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

DATA PACKAGE

METALS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q2842

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2842

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2842-01	RMW-03B-90.4-081225
Q2842-02	RMW-02B-66.3-081225
Q2842-03	MW-17B-55.5-081225
Q2842-04	MW-17B-55.5-081225MS
Q2842-05	MW-17B-55.5-081225MSD
Q2842-06	MW-06-6.5-081225
Q2842-08	TB01-081225
Q2842-09	MW-17B-55.5-081225
Q2842-10	MW-17B-55.5-081225MS
Q2842-11	MW-17B-55.5-081225MSD

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:21 am, Oct 28, 2025

Date: 10/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2842
Test Name: Dissolved ICP-Group2,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
10 Water samples were received on 08/12/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-SIM and VOCMS Group3. This data package contains results for Dissolved ICP-Group2,Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Dissolved ICP-Group2,Metals ICP-TAL was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (MW-17B-55.5-08122025MS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MW-17B-55.5-08122025MSD) analysis met criteria for all compounds except for Silver 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: This Data Package Has been Revised due to Data Package type Change as per Client Request.
The Post Digest Spike (MW-17B-55.5-08122025A) analysis met criteria for all compounds except for Silver 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.
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.
sample Q2842-03 analyzed as Total Metal and Sample Q2842-09 analyzed as Dissolved Metal.

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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:21 am, Oct 28, 2025

Alliance TECHNICAL GROUP
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

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2842 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 (MW-17B-55.5-08122025MS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (MW-17B-55.5-08122025MSD) analysis met criteria for all compounds except for Silver 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.			
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.			

ADDITIONAL COMMENTS:

This Data Package has been revised due to Data Package type Change as per Client Request.

The Post Digest Spike (MW-17B-55.5-08122025A) analysis met criteria for all compounds except for Silver 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.

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

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.
Sample Q2842-03 analyzed as Total Metal and Sample Q2842-09 analyzed as Dissolved Metal.

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 8:49 am, Oct 28, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2842

	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:** 10/28/2025

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LAB CHRONICLE

OrderID:	Q2842	**OrderDate:**	8/13/2025 8:34:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J23,J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2842-03	**MW-17B-55.5-081225**	**Water**			**08/12/25**			**08/12/25**
			Mercury	7470A		08/14/25	08/15/25	
			Metals ICP-TAL	6020B		08/14/25	08/15/25	
Q2842-09	**MW-17B-55.5-081225**	**Water**			**08/12/25**			**08/12/25**
			Dissolved ICP-Group2	6020B		08/14/25	08/15/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2842 **Order ID:** Q2842

Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger STC PTC Site D386

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-17B-55.5-081225								
Q2842-03	MW-17B-55.5-081225	Water	Aluminum	31.8		1.94	20.0	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Antimony	0.22	J	0.11	2.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Arsenic	0.63	J	0.089	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Barium	448		0.21	10.0	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Calcium	29600		45.7	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Cobalt	8.23		0.070	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Iron	7590		7.81	50.0	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Lead	0.61	J	0.21	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Magnesium	9260		19.5	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Manganese	618		0.43	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Nickel	11.3		0.27	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Potassium	7950		36.4	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Sodium	6170		128	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Thallium	0.21	J	0.060	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Vanadium	0.29	J	0.077	5.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Zinc	3.08	J	1.25	5.00	ug/L
Client ID : MW-17B-55.5-081225								
Q2842-09	MW-17B-55.5-081225	Water	Iron	7020		7.81	50.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	31.8		1	1.94	20.0	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-36-0	Antimony	0.22	J	1	0.11	2.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-38-2	Arsenic	0.63	J	1	0.089	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-39-3	Barium	448		1	0.21	10.0	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-70-2	Calcium	29600		1	45.7	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-48-4	Cobalt	8.23		1	0.070	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-89-6	Iron	7590		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-92-1	Lead	0.61	J	1	0.21	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-95-4	Magnesium	9260		1	19.5	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-96-5	Manganese	618		1	0.43	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	08/14/25 10:30	08/15/25 12:43	7470A	
7440-02-0	Nickel	11.3		1	0.27	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-09-7	Potassium	7950		1	36.4	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-23-5	Sodium	6170		1	128	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-28-0	Thallium	0.21	J	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-62-2	Vanadium	0.29	J	1	0.077	5.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-66-6	Zinc	3.08	J	1	1.25	5.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-09	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	7020		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 15:18	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

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

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: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Contract: JACO05
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
ICV18	Mercury	4.08	4.0	102	90 - 110	CV	08/15/2025	11:40	LB136836

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2842

Contract: JACO05

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
CCV54	Mercury	5.24	5.0	105	90 - 110	CV	08/15/2025	12:11	LB136836
CCV55	Mercury	4.83	5.0	96	90 - 110	CV	08/15/2025	12:38	LB136836
CCV56	Mercury	5.09	5.0	102	90 - 110	CV	08/15/2025	13:09	LB136836
CCV57	Mercury	5.18	5.0	104	90 - 110	CV	08/15/2025	13:15	LB136836

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Contract: JACO05
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	Aluminum	1500	1600	94	90 - 110	P	08/15/2025	13:22	LB136861
	Antimony	401	400	100	90 - 110	P	08/15/2025	13:22	LB136861
	Arsenic	386	400	97	90 - 110	P	08/15/2025	13:22	LB136861
	Barium	1610	1600	100	90 - 110	P	08/15/2025	13:22	LB136861
	Beryllium	39.0	40.0	98	90 - 110	P	08/15/2025	13:22	LB136861
	Cadmium	203	200	101	90 - 110	P	08/15/2025	13:22	LB136861
	Calcium	4130	4000	103	90 - 110	P	08/15/2025	13:22	LB136861
	Chromium	157	160	98	90 - 110	P	08/15/2025	13:22	LB136861
	Cobalt	394	400	98	90 - 110	P	08/15/2025	13:22	LB136861
	Copper	183	200	91	90 - 110	P	08/15/2025	13:22	LB136861
	Iron	853	800	107	90 - 110	P	08/15/2025	13:22	LB136861
	Lead	369	400	92	90 - 110	P	08/15/2025	13:22	LB136861
	Magnesium	3620	4000	90	90 - 110	P	08/15/2025	13:22	LB136861
	Manganese	364	400	91	90 - 110	P	08/15/2025	13:22	LB136861
	Nickel	398	400	100	90 - 110	P	08/15/2025	13:22	LB136861
	Potassium	3990	4000	100	90 - 110	P	08/15/2025	13:22	LB136861
	Selenium	398	400	99	90 - 110	P	08/15/2025	13:22	LB136861
	Silver	203	200	102	90 - 110	P	08/15/2025	13:22	LB136861
	Sodium	4040	4000	101	90 - 110	P	08/15/2025	13:22	LB136861
	Thallium	371	400	93	90 - 110	P	08/15/2025	13:22	LB136861
	Vanadium	387	400	97	90 - 110	P	08/15/2025	13:22	LB136861
	Zinc	366	400	91	90 - 110	P	08/15/2025	13:22	LB136861

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Contract: JACO05
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	Aluminum	19.4	20.0	97	80 - 120	P	08/15/2025	13:40	LB136861
	Antimony	2.12	2.0	106	80 - 120	P	08/15/2025	13:40	LB136861
	Arsenic	1.01	1.0	101	80 - 120	P	08/15/2025	13:40	LB136861
	Barium	10.0	10.0	100	80 - 120	P	08/15/2025	13:40	LB136861
	Beryllium	1.09	1.0	109	80 - 120	P	08/15/2025	13:40	LB136861
	Cadmium	0.96	1.0	96	80 - 120	P	08/15/2025	13:40	LB136861
	Calcium	554	500	111	80 - 120	P	08/15/2025	13:40	LB136861
	Chromium	1.98	2.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Cobalt	1.05	1.0	105	80 - 120	P	08/15/2025	13:40	LB136861
	Copper	1.95	2.0	98	80 - 120	P	08/15/2025	13:40	LB136861
	Iron	56.3	50.0	113	80 - 120	P	08/15/2025	13:40	LB136861
	Lead	0.84	1.0	84	80 - 120	P	08/15/2025	13:40	LB136861
	Magnesium	499	500	100	80 - 120	P	08/15/2025	13:40	LB136861
	Manganese	1.04	1.0	104	80 - 120	P	08/15/2025	13:40	LB136861
	Nickel	0.99	1.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Potassium	550	500	110	80 - 120	P	08/15/2025	13:40	LB136861
	Selenium	4.94	5.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Silver	1.13	1.0	113	80 - 120	P	08/15/2025	13:40	LB136861
	Sodium	521	500	104	80 - 120	P	08/15/2025	13:40	LB136861
	Thallium	1.02	1.0	102	80 - 120	P	08/15/2025	13:40	LB136861
	Vanadium	5.03	5.0	101	80 - 120	P	08/15/2025	13:40	LB136861
	Zinc	4.27	5.0	85	80 - 120	P	08/15/2025	13:40	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Aluminum	47100	50000	94	90 - 110	P	08/15/2025	13:53	LB136861
	Antimony	490	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Arsenic	474	500	95	90 - 110	P	08/15/2025	13:53	LB136861
	Barium	2460	2500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Beryllium	511	500	102	90 - 110	P	08/15/2025	13:53	LB136861
	Cadmium	479	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Calcium	250000	250000	100	90 - 110	P	08/15/2025	13:53	LB136861
	Chromium	489	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Cobalt	482	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Copper	4770	5000	95	90 - 110	P	08/15/2025	13:53	LB136861
	Iron	127000	125000	102	90 - 110	P	08/15/2025	13:53	LB136861
	Lead	2460	2500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Magnesium	239000	250000	96	90 - 110	P	08/15/2025	13:53	LB136861
	Manganese	4890	5000	98	90 - 110	P	08/15/2025	13:53	LB136861
	Nickel	479	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	13:53	LB136861
	Selenium	466	500	93	90 - 110	P	08/15/2025	13:53	LB136861
	Silver	485	500	97	90 - 110	P	08/15/2025	13:53	LB136861
	Sodium	244000	250000	98	90 - 110	P	08/15/2025	13:53	LB136861
	Thallium	503	500	101	90 - 110	P	08/15/2025	13:53	LB136861
	Vanadium	490	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Zinc	4670	5000	94	90 - 110	P	08/15/2025	13:53	LB136861
CCV02	Aluminum	47800	50000	96	90 - 110	P	08/15/2025	14:41	LB136861
	Antimony	496	500	99	90 - 110	P	08/15/2025	14:41	LB136861
	Arsenic	484	500	97	90 - 110	P	08/15/2025	14:41	LB136861
	Barium	2520	2500	101	90 - 110	P	08/15/2025	14:41	LB136861
	Beryllium	510	500	102	90 - 110	P	08/15/2025	14:41	LB136861
	Cadmium	492	500	98	90 - 110	P	08/15/2025	14:41	LB136861
	Calcium	253000	250000	101	90 - 110	P	08/15/2025	14:41	LB136861
	Chromium	498	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Cobalt	497	500	99	90 - 110	P	08/15/2025	14:41	LB136861
	Copper	4960	5000	99	90 - 110	P	08/15/2025	14:41	LB136861
	Iron	130000	125000	104	90 - 110	P	08/15/2025	14:41	LB136861
	Lead	2480	2500	99	90 - 110	P	08/15/2025	14:41	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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
CCV02	Magnesium	244000	250000	98	90 - 110	P	08/15/2025	14:41	LB136861
	Manganese	5000	5000	100	90 - 110	P	08/15/2025	14:41	LB136861
	Nickel	487	500	97	90 - 110	P	08/15/2025	14:41	LB136861
	Potassium	128000	125000	102	90 - 110	P	08/15/2025	14:41	LB136861
	Selenium	475	500	95	90 - 110	P	08/15/2025	14:41	LB136861
	Silver	502	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Sodium	249000	250000	100	90 - 110	P	08/15/2025	14:41	LB136861
	Thallium	512	500	102	90 - 110	P	08/15/2025	14:41	LB136861
	Vanadium	501	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Zinc	4830	5000	97	90 - 110	P	08/15/2025	14:41	LB136861
CCV03	Aluminum	48700	50000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Antimony	503	500	101	90 - 110	P	08/15/2025	15:21	LB136861
	Arsenic	480	500	96	90 - 110	P	08/15/2025	15:21	LB136861
	Barium	2500	2500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Beryllium	510	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Cadmium	494	500	99	90 - 110	P	08/15/2025	15:21	LB136861
	Calcium	253000	250000	101	90 - 110	P	08/15/2025	15:21	LB136861
	Chromium	495	500	99	90 - 110	P	08/15/2025	15:21	LB136861
	Cobalt	491	500	98	90 - 110	P	08/15/2025	15:21	LB136861
	Copper	4890	5000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Iron	127000	125000	102	90 - 110	P	08/15/2025	15:21	LB136861
	Lead	2500	2500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Magnesium	243000	250000	97	90 - 110	P	08/15/2025	15:21	LB136861
	Manganese	4930	5000	99	90 - 110	P	08/15/2025	15:21	LB136861
	Nickel	480	500	96	90 - 110	P	08/15/2025	15:21	LB136861
	Potassium	128000	125000	103	90 - 110	P	08/15/2025	15:21	LB136861
	Selenium	472	500	94	90 - 110	P	08/15/2025	15:21	LB136861
	Silver	508	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Sodium	246000	250000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Thallium	511	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Vanadium	498	500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Zinc	4780	5000	96	90 - 110	P	08/15/2025	15:21	LB136861
CCV04	Aluminum	47600	50000	95	90 - 110	P	08/15/2025	15:58	LB136861
	Antimony	494	500	99	90 - 110	P	08/15/2025	15:58	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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
CCV04	Arsenic	475	500	95	90 - 110	P	08/15/2025	15:58	LB136861
	Barium	2470	2500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Beryllium	505	500	101	90 - 110	P	08/15/2025	15:58	LB136861
	Cadmium	481	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Calcium	252000	250000	101	90 - 110	P	08/15/2025	15:58	LB136861
	Chromium	483	500	97	90 - 110	P	08/15/2025	15:58	LB136861
	Cobalt	482	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Copper	4690	5000	94	90 - 110	P	08/15/2025	15:58	LB136861
	Iron	126000	125000	101	90 - 110	P	08/15/2025	15:58	LB136861
	Lead	2430	2500	97	90 - 110	P	08/15/2025	15:58	LB136861
	Magnesium	240000	250000	96	90 - 110	P	08/15/2025	15:58	LB136861
	Manganese	4850	5000	97	90 - 110	P	08/15/2025	15:58	LB136861
	Nickel	470	500	94	90 - 110	P	08/15/2025	15:58	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	15:58	LB136861
	Selenium	477	500	95	90 - 110	P	08/15/2025	15:58	LB136861
	Silver	493	500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Sodium	244000	250000	98	90 - 110	P	08/15/2025	15:58	LB136861
	Thallium	496	500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Vanadium	480	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Zinc	4710	5000	94	90 - 110	P	08/15/2025	15:58	LB136861
CCV05	Aluminum	47800	50000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Antimony	504	500	101	90 - 110	P	08/15/2025	16:39	LB136861
	Arsenic	469	500	94	90 - 110	P	08/15/2025	16:39	LB136861
	Barium	2540	2500	102	90 - 110	P	08/15/2025	16:39	LB136861
	Beryllium	514	500	103	90 - 110	P	08/15/2025	16:39	LB136861
	Cadmium	491	500	98	90 - 110	P	08/15/2025	16:39	LB136861
	Calcium	260000	250000	104	90 - 110	P	08/15/2025	16:39	LB136861
	Chromium	487	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Cobalt	483	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Copper	4740	5000	95	90 - 110	P	08/15/2025	16:39	LB136861
	Iron	126000	125000	101	90 - 110	P	08/15/2025	16:39	LB136861
	Lead	2560	2500	103	90 - 110	P	08/15/2025	16:39	LB136861
	Magnesium	240000	250000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Manganese	4840	5000	97	90 - 110	P	08/15/2025	16:39	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Nickel	470	500	94	90 - 110	P	08/15/2025	16:39	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	16:39	LB136861
	Selenium	493	500	98	90 - 110	P	08/15/2025	16:39	LB136861
	Silver	509	500	102	90 - 110	P	08/15/2025	16:39	LB136861
	Sodium	240000	250000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Thallium	522	500	104	90 - 110	P	08/15/2025	16:39	LB136861
	Vanadium	483	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Zinc	4680	5000	94	90 - 110	P	08/15/2025	16:39	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Aluminum	1530	1600	95	90 - 110	P	08/21/2025	12:15	LB136916
	Antimony	410	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Arsenic	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Barium	1600	1600	100	90 - 110	P	08/21/2025	12:15	LB136916
	Beryllium	40.4	40.0	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cadmium	207	200	104	90 - 110	P	08/21/2025	12:15	LB136916
	Calcium	4220	4000	106	90 - 110	P	08/21/2025	12:15	LB136916
	Chromium	161	160	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cobalt	400	400	100	90 - 110	P	08/21/2025	12:15	LB136916
	Copper	187	200	93	90 - 110	P	08/21/2025	12:15	LB136916
	Iron	856	800	107	90 - 110	P	08/21/2025	12:15	LB136916
	Lead	371	400	93	90 - 110	P	08/21/2025	12:15	LB136916
	Magnesium	3710	4000	93	90 - 110	P	08/21/2025	12:15	LB136916
	Manganese	369	400	92	90 - 110	P	08/21/2025	12:15	LB136916
	Nickel	409	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Potassium	3900	4000	98	90 - 110	P	08/21/2025	12:15	LB136916
	Selenium	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Silver	209	200	105	90 - 110	P	08/21/2025	12:15	LB136916
	Sodium	4010	4000	100	90 - 110	P	08/21/2025	12:15	LB136916
	Thallium	378	400	94	90 - 110	P	08/21/2025	12:15	LB136916
	Vanadium	396	400	99	90 - 110	P	08/21/2025	12:15	LB136916
	Zinc	376	400	94	90 - 110	P	08/21/2025	12:15	LB136916

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Contract: JACO05
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	Aluminum	19.3	20.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Antimony	2.10	2.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Arsenic	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Barium	9.84	10.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Beryllium	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Cadmium	1.05	1.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Calcium	516	500	103	80 - 120	P	08/21/2025	12:26	LB136916
	Chromium	1.96	2.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Cobalt	1.06	1.0	106	80 - 120	P	08/21/2025	12:26	LB136916
	Copper	2.00	2.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Iron	53.8	50.0	108	80 - 120	P	08/21/2025	12:26	LB136916
	Lead	0.82	1.0	82	80 - 120	P	08/21/2025	12:26	LB136916
	Magnesium	497	500	99	80 - 120	P	08/21/2025	12:26	LB136916
	Manganese	1.02	1.0	102	80 - 120	P	08/21/2025	12:26	LB136916
	Nickel	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Potassium	504	500	101	80 - 120	P	08/21/2025	12:26	LB136916
	Selenium	5.45	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Silver	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Sodium	510	500	102	80 - 120	P	08/21/2025	12:26	LB136916
	Thallium	0.96	1.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Vanadium	4.98	5.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Zinc	5.43	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Aluminum	46300	50000	93	90 - 110	P	08/21/2025	12:39	LB136916
	Antimony	522	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Arsenic	500	500	100	90 - 110	P	08/21/2025	12:39	LB136916
	Barium	2650	2500	106	90 - 110	P	08/21/2025	12:39	LB136916
	Beryllium	521	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Cadmium	512	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Calcium	249000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Chromium	511	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Cobalt	505	500	101	90 - 110	P	08/21/2025	12:39	LB136916
	Copper	4990	5000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Iron	122000	125000	97	90 - 110	P	08/21/2025	12:39	LB136916
	Lead	2590	2500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Magnesium	247000	250000	99	90 - 110	P	08/21/2025	12:39	LB136916
	Manganese	5070	5000	101	90 - 110	P	08/21/2025	12:39	LB136916
	Nickel	495	500	99	90 - 110	P	08/21/2025	12:39	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	12:39	LB136916
	Selenium	489	500	98	90 - 110	P	08/21/2025	12:39	LB136916
	Silver	518	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Sodium	251000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Thallium	520	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Zinc	4820	5000	96	90 - 110	P	08/21/2025	12:39	LB136916
CCV02	Aluminum	46800	50000	94	90 - 110	P	08/21/2025	13:40	LB136916
	Antimony	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Arsenic	495	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Barium	2630	2500	105	90 - 110	P	08/21/2025	13:40	LB136916
	Beryllium	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Cadmium	506	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Calcium	252000	250000	101	90 - 110	P	08/21/2025	13:40	LB136916
	Chromium	496	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Cobalt	484	500	97	90 - 110	P	08/21/2025	13:40	LB136916
	Copper	4960	5000	99	90 - 110	P	08/21/2025	13:40	LB136916
	Iron	121000	125000	96	90 - 110	P	08/21/2025	13:40	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	13:40	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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
CCV02	Magnesium	249000	250000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Manganese	5000	5000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Nickel	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Potassium	121000	125000	97	90 - 110	P	08/21/2025	13:40	LB136916
	Selenium	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Silver	515	500	103	90 - 110	P	08/21/2025	13:40	LB136916
	Sodium	254000	250000	102	90 - 110	P	08/21/2025	13:40	LB136916
	Thallium	505	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Vanadium	498	500	100	90 - 110	P	08/21/2025	13:40	LB136916
	Zinc	4810	5000	96	90 - 110	P	08/21/2025	13:40	LB136916
CCV03	Aluminum	48300	50000	96	90 - 110	P	08/21/2025	14:32	LB136916
	Antimony	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Arsenic	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Barium	2560	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Beryllium	531	500	106	90 - 110	P	08/21/2025	14:32	LB136916
	Cadmium	495	500	99	90 - 110	P	08/21/2025	14:32	LB136916
	Calcium	244000	250000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Chromium	512	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Cobalt	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Copper	5010	5000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Iron	122000	125000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Lead	2540	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Magnesium	254000	250000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Manganese	5100	5000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Nickel	498	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Potassium	125000	125000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Selenium	483	500	96	90 - 110	P	08/21/2025	14:32	LB136916
	Silver	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	14:32	LB136916
	Thallium	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Zinc	4870	5000	97	90 - 110	P	08/21/2025	14:32	LB136916
CCV04	Aluminum	47200	50000	94	90 - 110	P	08/21/2025	15:12	LB136916
	Antimony	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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
CCV04	Arsenic	502	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Barium	2540	2500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Beryllium	515	500	103	90 - 110	P	08/21/2025	15:12	LB136916
	Cadmium	499	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Calcium	238000	250000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Chromium	501	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Cobalt	493	500	99	90 - 110	P	08/21/2025	15:12	LB136916
	Copper	4930	5000	99	90 - 110	P	08/21/2025	15:12	LB136916
	Iron	119000	125000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Magnesium	251000	250000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Manganese	5020	5000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Nickel	487	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	15:12	LB136916
	Selenium	483	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Silver	508	500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	15:12	LB136916
	Thallium	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Vanadium	505	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Zinc	4750	5000	95	90 - 110	P	08/21/2025	15:12	LB136916

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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
CRA	Mercury	0.19	0.2	94	70 - 130	CV	08/15/2025	12:16	LB136836
CRI	Aluminum	18.0	20.0	90	70 - 130	P	08/15/2025	14:03	LB136861
	Antimony	2.15	2.0	108	70 - 130	P	08/15/2025	14:03	LB136861
	Arsenic	1.04	1.0	104	70 - 130	P	08/15/2025	14:03	LB136861
	Barium	10.7	10.0	107	70 - 130	P	08/15/2025	14:03	LB136861
	Beryllium	1.17	1.0	117	70 - 130	P	08/15/2025	14:03	LB136861
	Cadmium	1.05	1.0	105	70 - 130	P	08/15/2025	14:03	LB136861
	Calcium	589	500	118	70 - 130	P	08/15/2025	14:03	LB136861
	Chromium	2.19	2.0	110	70 - 130	P	08/15/2025	14:03	LB136861
	Cobalt	1.15	1.0	115	50 - 150	P	08/15/2025	14:03	LB136861
	Copper	2.19	2.0	110	70 - 130	P	08/15/2025	14:03	LB136861
	Iron	60.5	50.0	121	70 - 130	P	08/15/2025	14:03	LB136861
	Lead	1.01	1.0	101	70 - 130	P	08/15/2025	14:03	LB136861
	Magnesium	522	500	104	70 - 130	P	08/15/2025	14:03	LB136861
	Manganese	1.06	1.0	106	50 - 150	P	08/15/2025	14:03	LB136861
	Nickel	1.16	1.0	116	70 - 130	P	08/15/2025	14:03	LB136861
	Potassium	591	500	118	70 - 130	P	08/15/2025	14:03	LB136861
	Selenium	5.56	5.0	111	70 - 130	P	08/15/2025	14:03	LB136861
	Silver	1.13	1.0	113	70 - 130	P	08/15/2025	14:03	LB136861
	Sodium	562	500	112	70 - 130	P	08/15/2025	14:03	LB136861
	Thallium	1.05	1.0	105	70 - 130	P	08/15/2025	14:03	LB136861
	Vanadium	5.53	5.0	111	70 - 130	P	08/15/2025	14:03	LB136861
	Zinc	4.70	5.0	94	50 - 150	P	08/15/2025	14:03	LB136861
CRI	Aluminum	20.2	20.0	101	70 - 130	P	08/21/2025	12:48	LB136916
	Antimony	2.16	2.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Arsenic	1.05	1.0	105	70 - 130	P	08/21/2025	12:48	LB136916
	Barium	10.7	10.0	107	70 - 130	P	08/21/2025	12:48	LB136916
	Beryllium	1.18	1.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Cadmium	0.98	1.0	98	70 - 130	P	08/21/2025	12:48	LB136916
	Calcium	555	500	111	70 - 130	P	08/21/2025	12:48	LB136916
	Chromium	2.13	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Cobalt	1.16	1.0	116	50 - 150	P	08/21/2025	12:48	LB136916
	Copper	2.11	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Iron	59.0	50.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Lead	1.03	1.0	103	70 - 130	P	08/21/2025	12:48	LB136916

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Magnesium	524	500	105	70 - 130	P	08/21/2025	12:48	LB136916
	Manganese	1.01	1.0	101	50 - 150	P	08/21/2025	12:48	LB136916
	Nickel	1.19	1.0	119	70 - 130	P	08/21/2025	12:48	LB136916
	Potassium	561	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Selenium	5.74	5.0	115	70 - 130	P	08/21/2025	12:48	LB136916
	Silver	1.10	1.0	110	70 - 130	P	08/21/2025	12:48	LB136916
	Sodium	558	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Thallium	1.00	1.0	100	70 - 130	P	08/21/2025	12:48	LB136916
	Vanadium	5.41	5.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Zinc	5.49	5.0	110	50 - 150	P	08/21/2025	12:48	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB18	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	11:45	LB136836

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB54	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	12:13	LB136836
CCB55	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	12:41	LB136836
CCB56	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	13:11	LB136836
CCB57	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	13:18	LB136836

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	13:43	LB136861
	Antimony	0.11	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	13:43	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	13:43	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	13:56	LB136861
	Antimony	0.11	+/-1	J	2.00	P	08/15/2025	13:56	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	13:56	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	13:56	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	13:56	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	13:56	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Thallium	0.070	+/-0.5	J	1.00	P	08/15/2025	13:56	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
CCB02	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	14:44	LB136861
	Antimony	0.13	+/-1	J	2.00	P	08/15/2025	14:44	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	14:44	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	14:44	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	14:44	LB136861
	Iron	9.88	+/-25	J	50.0	P	08/15/2025	14:44	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Thallium	0.10	+/-0.5	J	1.00	P	08/15/2025	14:44	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861
CCB03	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	15:24	LB136861
	Antimony	0.14	+/-1	J	2.00	P	08/15/2025	15:24	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	15:24	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	15:24	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	15:24	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	15:24	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
	Silver	0.060	+/-0.5	J	1.00	P	08/15/2025	15:24	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Thallium	0.090	+/-0.5	J	1.00	P	08/15/2025	15:24	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
CCB04	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	16:10	LB136861
	Antimony	0.13	+/-1	J	2.00	P	08/15/2025	16:10	LB136861
	Arsenic	0.20	+/-0.5	J	1.00	P	08/15/2025	16:10	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	16:10	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	16:10	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	16:10	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	16:10	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
	Silver	0.060	+/-0.5	J	1.00	P	08/15/2025	16:10	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
CCB05	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	16:50	LB136861
	Antimony	0.11	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	16:50	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	16:50	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:29	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:29	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:29	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:44	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:44	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:44	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
CCB02	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	13:43	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	13:43	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	13:43	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	13:43	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
CCB03	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	14:34	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	14:34	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	14:34	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	14:34	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
CCB04	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	15:18	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	15:18	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	15:18	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916

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PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169249BL		**WATER**		**Batch Number:**	**PB169249**		**Prep Date:**	**08/14/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	08/15/2025	12:22	LB136836

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PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169250BL		**WATER**		**Batch Number:**	**PB169250**		**Prep Date:**	**08/14/2025**	
	Aluminum	1.94	<10	U	20.0	P	08/21/2025	13:46	LB136916
	Antimony	0.11	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Arsenic	0.089	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Barium	0.21	<5	U	10.0	P	08/21/2025	13:46	LB136916
	Beryllium	0.32	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Cadmium	0.34	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Calcium	45.7	<250	U	500	P	08/21/2025	13:46	LB136916
	Chromium	0.21	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Cobalt	0.070	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Copper	0.30	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Iron	7.81	<25	U	50.0	P	08/21/2025	13:46	LB136916
	Lead	0.21	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Magnesium	19.5	<250	U	500	P	08/21/2025	13:46	LB136916
	Manganese	0.43	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Nickel	0.27	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Potassium	36.4	<250	U	500	P	08/21/2025	13:46	LB136916
	Selenium	2.90	<2.5	U	5.00	P	08/21/2025	13:46	LB136916
	Silver	0.060	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Sodium	128	<250	U	500	P	08/21/2025	13:46	LB136916
	Thallium	0.060	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Vanadium	0.077	<2.5	U	5.00	P	08/21/2025	13:46	LB136916
	Zinc	1.25	<2.5	U	5.00	P	08/21/2025	13:46	LB136916

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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Aluminum	89100	100000	89	0	0	08/15/2025	13:46	LB136861
	Antimony	1.11	1.5	74	-2.5	5.5	08/15/2025	13:46	LB136861
	Arsenic	0.29	0.1	290	-1.9	2.1	08/15/2025	13:46	LB136861
	Barium	1.35	1.2	112	-18.8	21.2	08/15/2025	13:46	LB136861
	Beryllium	0.28			-2	2	08/15/2025	13:46	LB136861
	Cadmium	0.17	0.7	24	-1.3	2.7	08/15/2025	13:46	LB136861
	Calcium	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Chromium	20.0	21.0	95	17	25	08/15/2025	13:46	LB136861
	Cobalt	1.28	1.0	128	-1	3	08/15/2025	13:46	LB136861
	Copper	7.41	8.0	93	4	12	08/15/2025	13:46	LB136861
	Iron	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Lead	4.10	4.0	102	2	6	08/15/2025	13:46	LB136861
	Magnesium	91200	100000	91	0	0	08/15/2025	13:46	LB136861
	Manganese	7.52	7.0	107	5	9	08/15/2025	13:46	LB136861
	Nickel	5.29	6.0	88	4	8	08/15/2025	13:46	LB136861
	Potassium	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Selenium	0	0.3		-9.7	10	08/15/2025	13:46	LB136861
	Silver	0.050			-2	2	08/15/2025	13:46	LB136861
	Sodium	100000	100000	100	0	0	08/15/2025	13:46	LB136861
	Thallium	0.040			-2	2	08/15/2025	13:46	LB136861
	Vanadium	0.22	0.5	44	-9.5	10.5	08/15/2025	13:46	LB136861
	Zinc	9.17	11.0	83	1	21	08/15/2025	13:46	LB136861
ICSAB01	Aluminum	89700	100000	90	0	0	08/15/2025	13:50	LB136861
	Antimony	20.9	22.0	95	18	26	08/15/2025	13:50	LB136861
	Arsenic	20.2	19.0	106	16.2	21.9	08/15/2025	13:50	LB136861
	Barium	21.7	22.0	99	2	42	08/15/2025	13:50	LB136861
	Beryllium	21.4	19.0	113	16.2	21.9	08/15/2025	13:50	LB136861
	Cadmium	20.4	20.0	102	17	23	08/15/2025	13:50	LB136861
	Calcium	102000	100000	102	0	0	08/15/2025	13:50	LB136861
	Chromium	40.6	40.0	102	34	46	08/15/2025	13:50	LB136861
	Cobalt	21.9	20.0	110	17	23	08/15/2025	13:50	LB136861
	Copper	26.5	25.0	106	21	29	08/15/2025	13:50	LB136861
	Iron	102000	100000	102	0	0	08/15/2025	13:50	LB136861
	Lead	23.6	25.0	94	21.3	28.8	08/15/2025	13:50	LB136861
	Magnesium	91800	100000	92	0	0	08/15/2025	13:50	LB136861
	Manganese	28.4	27.0	105	23	31.1	08/15/2025	13:50	LB136861
	Nickel	26.6	24.0	111	20.4	27.6	08/15/2025	13:50	LB136861
	Potassium	103000	100000	103	0	0	08/15/2025	13:50	LB136861
	Selenium	19.6	19.0	103	9	29	08/15/2025	13:50	LB136861
	Silver	19.9	18.0	111	15.3	20.7	08/15/2025	13:50	LB136861
	Sodium	101000	100000	101	0	0	08/15/2025	13:50	LB136861
	Thallium	20.4	21.0	97	17.9	24.2	08/15/2025	13:50	LB136861

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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Vanadium	20.3	19.0	107	9	29	08/15/2025	13:50	LB136861
	Zinc	27.1	29.0	93	19	39	08/15/2025	13:50	LB136861
ICSA01	Aluminum	93700	100000	94	0	0	08/21/2025	12:33	LB136916
	Antimony	1.09	1.5	73	-2.5	5.5	08/21/2025	12:33	LB136916
	Arsenic	0.28	0.1	280	-1.9	2.1	08/21/2025	12:33	LB136916
	Barium	1.42	1.2	118	-18.8	21.2	08/21/2025	12:33	LB136916
	Beryllium	0.27			-2	2	08/21/2025	12:33	LB136916
	Cadmium	0	0.7		-1.3	2.7	08/21/2025	12:33	LB136916
	Calcium	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Chromium	20.1	21.0	96	17	25	08/21/2025	12:33	LB136916
	Cobalt	1.30	1.0	130	-1	3	08/21/2025	12:33	LB136916
	Copper	7.38	8.0	92	4	12	08/21/2025	12:33	LB136916
	Iron	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Lead	4.27	4.0	107	2	6	08/21/2025	12:33	LB136916
	Magnesium	96000	100000	96	0	0	08/21/2025	12:33	LB136916
	Manganese	7.22	7.0	103	5	9	08/21/2025	12:33	LB136916
	Nickel	5.50	6.0	92	4	8	08/21/2025	12:33	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:33	LB136916
	Selenium	0.050	0.3	17	-9.7	10	08/21/2025	12:33	LB136916
	Silver	0.050			-2	2	08/21/2025	12:33	LB136916
	Sodium	105000	100000	105	0	0	08/21/2025	12:33	LB136916
	Thallium	0.040			-2	2	08/21/2025	12:33	LB136916
	Vanadium	0.19	0.5	38	-9.5	10.5	08/21/2025	12:33	LB136916
	Zinc	9.71	11.0	88	1	21	08/21/2025	12:33	LB136916
ICSAB01	Aluminum	93100	100000	93	0	0	08/21/2025	12:36	LB136916
	Antimony	21.4	22.0	97	18	26	08/21/2025	12:36	LB136916
	Arsenic	20.3	19.0	107	16.2	21.9	08/21/2025	12:36	LB136916
	Barium	21.8	22.0	99	2	42	08/21/2025	12:36	LB136916
	Beryllium	20.8	19.0	110	16.2	21.9	08/21/2025	12:36	LB136916
	Cadmium	20.7	20.0	104	17	23	08/21/2025	12:36	LB136916
	Calcium	99700	100000	100	0	0	08/21/2025	12:36	LB136916
	Chromium	40.2	40.0	100	34	46	08/21/2025	12:36	LB136916
	Cobalt	21.6	20.0	108	17	23	08/21/2025	12:36	LB136916
	Copper	26.5	25.0	106	21	29	08/21/2025	12:36	LB136916
	Iron	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Lead	23.3	25.0	93	21.3	28.8	08/21/2025	12:36	LB136916
	Magnesium	93700	100000	94	0	0	08/21/2025	12:36	LB136916
	Manganese	25.7	27.0	95	23	31.1	08/21/2025	12:36	LB136916
	Nickel	26.0	24.0	108	20.4	27.6	08/21/2025	12:36	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Selenium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Silver	20.2	18.0	112	15.3	20.7	08/21/2025	12:36	LB136916

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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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	Sodium	104000	100000	104	0	0	08/21/2025	12:36	LB136916
	Thallium	19.8	21.0	94	17.9	24.2	08/21/2025	12:36	LB136916
	Vanadium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Zinc	29.0	29.0	100	19	39	08/21/2025	12:36	LB136916

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-08122025MS

Percent Solids for Sample: NA **Spiked ID:** Q2842-04 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8440		31.8		10000	84		P
Antimony	ug/L	75 - 125	464		0.22	J	500	93		P
Arsenic	ug/L	75 - 125	489		0.63	J	500	98		P
Barium	ug/L	75 - 125	2580		448		2500	85		P
Beryllium	ug/L	75 - 125	485		1.00	U	500	97		P
Cadmium	ug/L	75 - 125	473		1.00	U	500	95		P
Calcium	ug/L	75 - 125	73500		29600		50000	88		P
Chromium	ug/L	75 - 125	456		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	476		8.23		500	94		P
Copper	ug/L	75 - 125	4350		2.00	U	5000	87		P
Iron	ug/L	75 - 125	28900		7590		25000	85		P
Lead	ug/L	75 - 125	2320		0.61	J	2500	93		P
Magnesium	ug/L	75 - 125	55100		9260		50000	92		P
Manganese	ug/L	75 - 125	4900		618		5000	86		P
Nickel	ug/L	75 - 125	478		11.3		500	93		P
Mercury	ug/L	82 - 119	3.75		0.20	U	4.0	94		CV
Potassium	ug/L	75 - 125	29700		7950		25000	87		P
Selenium	ug/L	75 - 125	475		5.00	U	500	95		P
Silver	ug/L	75 - 125	85.3		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	52200		6170		50000	92		P
Thallium	ug/L	75 - 125	462		0.21	J	500	92		P
Vanadium	ug/L	75 - 125	467		0.29	J	500	93		P
Zinc	ug/L	75 - 125	4520		3.08	J	5000	90		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Spiked ID:** Q2842-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8470		31.8		10000	84		P
Antimony	ug/L	75 - 125	482		0.22	J	500	96		P
Arsenic	ug/L	75 - 125	467		0.63	J	500	93		P
Barium	ug/L	75 - 125	2650		448		2500	88		P
Beryllium	ug/L	75 - 125	489		1.00	U	500	98		P
Cadmium	ug/L	75 - 125	484		1.00	U	500	97		P
Calcium	ug/L	75 - 125	74200		29600		50000	89		P
Chromium	ug/L	75 - 125	455		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	481		8.23		500	95		P
Copper	ug/L	75 - 125	4370		2.00	U	5000	87		P
Iron	ug/L	75 - 125	29000		7590		25000	86		P
Lead	ug/L	75 - 125	2370		0.61	J	2500	95		P
Magnesium	ug/L	75 - 125	55000		9260		50000	91		P
Manganese	ug/L	75 - 125	4960		618		5000	87		P
Nickel	ug/L	75 - 125	483		11.3		500	94		P
Mercury	ug/L	82 - 119	3.89		0.20	U	4.0	97		CV
Potassium	ug/L	75 - 125	29900		7950		25000	88		P
Selenium	ug/L	75 - 125	469		5.00	U	500	94		P
Silver	ug/L	75 - 125	87.6		1.00	U	500	18	N	P
Sodium	ug/L	75 - 125	51900		6170		50000	92		P
Thallium	ug/L	75 - 125	477		0.21	J	500	95		P
Vanadium	ug/L	75 - 125	476		0.29	J	500	95		P
Zinc	ug/L	75 - 125	4550		3.08	J	5000	91		P

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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-09 **client id:** MW-17B-55.5-08122025MS

Percent Solids for Sample: NA **Spiked ID:** Q2842-10 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8320		12.3	J	10000	83		P
Antimony	ug/L	75 - 125	474		0.23	J	500	95		P
Arsenic	ug/L	75 - 125	492		0.54	J	500	98		P
Barium	ug/L	75 - 125	2600		431		2500	87		P
Beryllium	ug/L	75 - 125	474		1.00	U	500	95		P
Cadmium	ug/L	75 - 125	473		1.00	U	500	95		P
Calcium	ug/L	75 - 125	72300		31900		50000	81		P
Chromium	ug/L	75 - 125	459		2.00	U	500	92		P
Cobalt	ug/L	75 - 125	475		8.13		500	93		P
Copper	ug/L	75 - 125	4250		2.00	U	5000	85		P
Iron	ug/L	75 - 125	27000		7020		25000	80		P
Lead	ug/L	75 - 125	2300		1.00	U	2500	92		P
Magnesium	ug/L	75 - 125	55500		9810		50000	91		P
Manganese	ug/L	75 - 125	4810		642		5000	83		P
Nickel	ug/L	75 - 125	463		10.3		500	91		P
Potassium	ug/L	75 - 125	29100		8190		25000	83		P
Selenium	ug/L	75 - 125	468		5.00	U	500	94		P
Silver	ug/L	75 - 125	85.3		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	53100		6520		50000	93		P
Thallium	ug/L	75 - 125	459		0.39	J	500	92		P
Vanadium	ug/L	75 - 125	471		0.17	J	500	94		P
Zinc	ug/L	75 - 125	4430		1.38	J	5000	89		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-09 **client id:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Spiked ID:** Q2842-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8320		12.3	J	10000	83		P
Antimony	ug/L	75 - 125	467		0.23	J	500	93		P
Arsenic	ug/L	75 - 125	494		0.54	J	500	99		P
Barium	ug/L	75 - 125	2520		431		2500	83		P
Beryllium	ug/L	75 - 125	469		1.00	U	500	94		P
Cadmium	ug/L	75 - 125	462		1.00	U	500	92		P
Calcium	ug/L	75 - 125	72600		31900		50000	81		P
Chromium	ug/L	75 - 125	457		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	465		8.13		500	91		P
Copper	ug/L	75 - 125	4300		2.00	U	5000	86		P
Iron	ug/L	75 - 125	26700		7020		25000	79		P
Lead	ug/L	75 - 125	2270		1.00	U	2500	91		P
Magnesium	ug/L	75 - 125	55800		9810		50000	92		P
Manganese	ug/L	75 - 125	4930		642		5000	86		P
Nickel	ug/L	75 - 125	462		10.3		500	90		P
Potassium	ug/L	75 - 125	28700		8190		25000	82		P
Selenium	ug/L	75 - 125	468		5.00	U	500	94		P
Silver	ug/L	75 - 125	82.8		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	53300		6520		50000	94		P
Thallium	ug/L	75 - 125	454		0.39	J	500	91		P
Vanadium	ug/L	75 - 125	472		0.17	J	500	94		P
Zinc	ug/L	75 - 125	4430		1.38	J	5000	89		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** MW-17B-55.5-08122025A

Sample ID: Q2842-03 **Spiked ID:** Q2842-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	85.7		1.00	U	500	17	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-03 **Client ID:** MW-17B-55.5-08122025DUP

Percent Solids for Sample: NA **Duplicate ID** Q2842-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	31.8		30.1		5		P
Antimony	ug/L	20	0.22	J	0.20	J	10		P
Arsenic	ug/L	20	0.63	J	0.64	J	2		P
Barium	ug/L	20	448		436		3		P
Beryllium	ug/L	20	1.00	U	1.00	U			P
Cadmium	ug/L	20	1.00	U	1.00	U			P
Calcium	ug/L	20	29600		28900		2		P
Chromium	ug/L	20	2.00	U	0.31	J	200.0		P
Cobalt	ug/L	20	8.23		8.18		1		P
Copper	ug/L	20	2.00	U	2.00	U			P
Iron	ug/L	20	7590		7560		0		P
Lead	ug/L	20	0.61	J	1.00	U	200.0		P
Magnesium	ug/L	20	9260		9200		1		P
Manganese	ug/L	20	618		617		0		P
Nickel	ug/L	20	11.3		11.1		2		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Potassium	ug/L	20	7950		8030		1		P
Selenium	ug/L	20	5.00	U	5.00	U			P
Silver	ug/L	20	1.00	U	1.00	U			P
Sodium	ug/L	20	6170		6120		1		P
Thallium	ug/L	20	0.21	J	0.19	J	10		P
Vanadium	ug/L	20	0.29	J	0.29	J	0		P
Zinc	ug/L	20	3.08	J	3.40	J	10		P

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

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-04 **Client ID:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Duplicate ID** Q2842-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	8440		8470		0		P
Antimony	ug/L	20	464		482		4		P
Arsenic	ug/L	20	489		467		5		P
Barium	ug/L	20	2580		2650		3		P
Beryllium	ug/L	20	485		489		1		P
Cadmium	ug/L	20	473		484		2		P
Calcium	ug/L	20	73500		74200		1		P
Chromium	ug/L	20	456		455		0		P
Cobalt	ug/L	20	476		481		1		P
Copper	ug/L	20	4350		4370		0		P
Iron	ug/L	20	28900		29000		0		P
Lead	ug/L	20	2320		2370		2		P
Magnesium	ug/L	20	55100		55000		0		P
Manganese	ug/L	20	4900		4960		1		P
Nickel	ug/L	20	478		483		1		P
Mercury	ug/L	20	3.75		3.89		4		CV
Potassium	ug/L	20	29700		29900		1		P
Selenium	ug/L	20	475		469		1		P
Silver	ug/L	20	85.3		87.6		3		P
Sodium	ug/L	20	52200		51900		1		P
Thallium	ug/L	20	462		477		3		P
Vanadium	ug/L	20	467		476		2		P
Zinc	ug/L	20	4520		4550		1		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

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-10 **Client ID:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Duplicate ID** Q2842-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	8320		8320		0		P
Antimony	ug/L	20	474		467		1		P
Arsenic	ug/L	20	492		494		0		P
Barium	ug/L	20	2600		2520		3		P
Beryllium	ug/L	20	474		469		1		P
Cadmium	ug/L	20	473		462		2		P
Calcium	ug/L	20	72300		72600		0		P
Chromium	ug/L	20	459		457		0		P
Cobalt	ug/L	20	475		465		2		P
Copper	ug/L	20	4250		4300		1		P
Iron	ug/L	20	27000		26700		1		P
Lead	ug/L	20	2300		2270		1		P
Magnesium	ug/L	20	55500		55800		1		P
Manganese	ug/L	20	4810		4930		2		P
Nickel	ug/L	20	463		462		0		P
Potassium	ug/L	20	29100		28700		1		P
Selenium	ug/L	20	468		468		0		P
Silver	ug/L	20	85.3		82.8		3		P
Sodium	ug/L	20	53100		53300		0		P
Thallium	ug/L	20	459		454		1		P
Vanadium	ug/L	20	471		472		0		P
Zinc	ug/L	20	4430		4430		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: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169249BS							
Mercury	ug/L	4.0	4.19		105	82 - 119	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169250BS							
Aluminum	ug/L	10000	9810		98	80 - 120	P
Antimony	ug/L	500	502		100	80 - 120	P
Arsenic	ug/L	500	486		97	80 - 120	P
Barium	ug/L	2500	2530		101	80 - 120	P
Beryllium	ug/L	500	493		99	80 - 120	P
Cadmium	ug/L	500	511		102	80 - 120	P
Calcium	ug/L	50000	50400		101	80 - 120	P
Chromium	ug/L	500	485		97	80 - 120	P
Cobalt	ug/L	500	488		98	80 - 120	P
Copper	ug/L	5000	5000		100	80 - 120	P
Iron	ug/L	25000	25700		103	80 - 120	P
Lead	ug/L	2500	2420		97	80 - 120	P
Magnesium	ug/L	50000	48900		98	80 - 120	P
Manganese	ug/L	5000	4890		98	80 - 120	P
Nickel	ug/L	500	488		98	80 - 120	P
Potassium	ug/L	25000	24600		98	80 - 120	P
Selenium	ug/L	500	505		101	80 - 120	P
Silver	ug/L	500	517		103	80 - 120	P
Sodium	ug/L	50000	50200		100	80 - 120	P
Thallium	ug/L	500	488		98	80 - 120	P
Vanadium	ug/L	500	485		97	80 - 120	P
Zinc	ug/L	5000	4950		99	80 - 120	P

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

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	1234	100		100		100		100		100	
S2	S2	1248	103		101		94		100		102	
S3	S3	1251	105		103		94		102		103	
S4	S4	1254	106		102		95		101		103	
S5	S5	1257	105		100		94		101		104	
S6	S6	1300	104		100		94		100		102	
S7	S7	1303	105		102		98		102		107	
S8	S8	1306	107		104		98		98		107	
ICV01	ICV01	1322	99		104		98		105		102	
LLICV01	LLICV01	1340	99		104		98		105		102	
ICB01	ICB01	1343	100		106		98		105		104	
ICSA01	ICSA01	1346	97		103		101		107		108	
ICSAB01	ICSAB01	1350	89		105		103		107		111	
CCV01	CCV01	1353	90		107		105		106		112	
CCB01	CCB01	1356	88		103		99		106		103	
CRI	CRI	1403	90		102		98		105		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	93		108		104		107		110	
CCB02	CCB02	1444	90		105		100		106		104	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5	1500	97		119		115		121		115	
Q2842-03DUP	MW-17B-55.5	1503	97		120		116		120		116	
Q2842-03L	MW-17B-55.5	1506	88		106		103		109		105	
Q2842-04	MW-17B-55.5	1509	99		119		114		119		120	
Q2842-05	MW-17B-55.5	1512	97		117		115		118		117	
Q2842-03A	MW-17B-55.5	1515	97		118		114		120		118	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

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
Q2842-09	MW-17B-55.5	1518	97		116		115		120		118	
CCV03	CCV03	1521	91		108		105		106		109	
CCB03	CCB03	1524	91		102		99		106		103	
Q2842-10	MW-17B-55.5	1527	105		121		114		121		120	
Q2842-11	MW-17B-55.5	1530	102		119		114		119		121	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	99		115		110		111		115	
CCB04	CCB04	1610	89		101		101		108		110	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

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	1234	100		100		100		100		100	
S2	S2	1248	100		94		99		100		98	
S3	S3	1251	102		95		101		102		101	
S4	S4	1254	102		94		100		101		101	
S5	S5	1257	101		94		100		101		101	
S6	S6	1300	104		98		102		103		104	
S7	S7	1303	102		96		100		105		104	
S8	S8	1306	106		100		98		106		106	
ICV01	ICV01	1322	104		98		104		103		103	
LLICV01	LLICV01	1340	103		98		103		103		101	
ICB01	ICB01	1343	104		100		105		105		103	
ICSA01	ICSA01	1346	105		101		105		108		107	
ICSAB01	ICSAB01	1350	107		103		107		109		109	
CCV01	CCV01	1353	110		106		106		111		109	
CCB01	CCB01	1356	104		100		105		103		102	
CRI	CRI	1403	103		100		105		104		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	108		105		106		109		107	
CCB02	CCB02	1444	104		102		106		104		102	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5	1500	118		115		120		119		116	
Q2842-03DUP	MW-17B-55.5	1503	117		113		119		117		117	
Q2842-03L	MW-17B-55.5	1506	108		105		111		109		106	
Q2842-04	MW-17B-55.5	1509	117		114		118		118		118	
Q2842-05	MW-17B-55.5	1512	116		114		116		118		117	
Q2842-03A	MW-17B-55.5	1515	117		114		119		119		119	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

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
Q2842-09	MW-17B-55.5	1518	116		113		120		118		116	
CCV03	CCV03	1521	108		105		106		110		107	
CCB03	CCB03	1524	103		101		105		104		100	
Q2842-10	MW-17B-55.5	1527	118		113		119		119		117	
Q2842-11	MW-17B-55.5	1530	118		113		118		121		118	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	115		111		110		115		113	
CCB04	CCB04	1610	103		101		108		107		104	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

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	1133	100		100		100		100		100	
S2	S2	1139	106		103		101		103		101	
S3	S3	1143	108		102		102		102		100	
S4	S4	1146	107		101		101		100		100	
S5	S5	1149	109		102		102		100		104	
S6	S6	1152	110		103		104		100		106	
S7	S7	1154	108		103		103		99		106	
S8	S8	1157	107		103		103		95		104	
ICV01	ICV01	1215	105		99		98		98		98	
LLICV01	LLICV01	1226	103		97		98		98		99	
ICB01	ICB01	1229	103		99		100		97		98	
ICSA01	ICSA01	1233	104		99		103		98		105	
ICSAB01	ICSAB01	1236	102		101		103		100		104	
CCV01	CCV01	1239	104		105		107		101		106	
CCB01	CCB01	1244	99		102		104		103		101	
CRI	CRI	1248	99		101		104		102		101	
CCV02	CCV02	1340	107		103		104		98		103	
CCB02	CCB02	1343	103		99		100		100		98	
PB169250BL	PB169250BL	1346	101		98		99		98		98	
PB169250BS	PB169250BS	1350	105		103		102		99		102	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	103		107		107		99		105	
CCB03	CCB03	1434	100		99		100		98		99	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

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	1133	100		100		100		100		100	
S2	S2	1139	103		103		103		102		103	
S3	S3	1143	103		102		102		103		102	
S4	S4	1146	101		99		101		101		102	
S5	S5	1149	101		100		98		103		103	
S6	S6	1152	102		101		100		101		104	
S7	S7	1154	105		104		102		107		107	
S8	S8	1157	107		105		98		105		108	
ICV01	ICV01	1215	99		97		99		98		101	
LLICV01	LLICV01	1226	99		100		101		101		101	
ICB01	ICB01	1229	97		100		99		100		101	
ICSA01	ICSA01	1233	101		102		100		102		104	
ICSAB01	ICSAB01	1236	104		103		101		105		107	
CCV01	CCV01	1239	111		111		105		108		110	
CCB01	CCB01	1244	103		104		105		103		104	
CRI	CRI	1248	103		103		103		102		103	
CCV02	CCV02	1340	106		105		99		106		108	
CCB02	CCB02	1343	99		100		99		101		103	
PB169250BL	PB169250BL	1346	98		98		97		97		101	
PB169250BS	PB169250BS	1350	105		106		102		106		108	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	106		104		99		103		107	
CCB03	CCB03	1434	100		101		99		100		105	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

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	1234	100		100							
S2	S2	1248	101		99							
S3	S3	1251	103		102							
S4	S4	1254	102		103							
S5	S5	1257	103		102							
S6	S6	1300	103		104							
S7	S7	1303	106		104							
S8	S8	1306	107		97							
ICV01	ICV01	1322	102		101							
LLICV01	LLICV01	1340	102		100							
ICB01	ICB01	1343	102		102							
ICSA01	ICSA01	1346	107		100							
ICSAB01	ICSAB01	1350	108		101							
CCV01	CCV01	1353	110		102							
CCB01	CCB01	1356	103		100							
CRI	CRI	1403	102		101							
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	108		100							
CCB02	CCB02	1444	103		98							
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5-	1500	117		110							
Q2842-03DUP	MW-17B-55.5-	1503	116		110							
Q2842-03L	MW-17B-55.5-	1506	103		102							
Q2842-04	MW-17B-55.5-	1509	117		112							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q2842-05	MW-17B-55.5-	1512	116		110							
Q2842-03A	MW-17B-55.5-	1515	118		112							
Q2842-09	MW-17B-55.5-	1518	116		112							
CCV03	CCV03	1521	107		97							
CCB03	CCB03	1524	101		99							
Q2842-10	MW-17B-55.5-	1527	119		114							
Q2842-11	MW-17B-55.5-	1530	119		115							
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	112		105							
CCB04	CCB04	1610	108		105							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1234	100									
S2	S2	1248	99									
S3	S3	1251	101									
S4	S4	1254	101									
S5	S5	1257	100									
S6	S6	1300	103									
S7	S7	1303	101									
S8	S8	1306	96									
ICV01	ICV01	1322	103									
LLICV01	LLICV01	1340	103									
ICB01	ICB01	1343	103									
ICSA01	ICSA01	1346	102									
ICSAB01	ICSAB01	1350	104									
CCV01	CCV01	1353	101									
CCB01	CCB01	1356	102									
CRI	CRI	1403	103									
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	101									
CCB02	CCB02	1444	101									
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5-	1500	115									
Q2842-03DUP	MW-17B-55.5-	1503	114									
Q2842-03L	MW-17B-55.5-	1506	105									
Q2842-04	MW-17B-55.5-	1509	114									

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q2842-05	MW-17B-55.5-	1512	113									
Q2842-03A	MW-17B-55.5-	1515	113									
Q2842-09	MW-17B-55.5-	1518	115									
CCV03	CCV03	1521	100									
CCB03	CCB03	1524	100									
Q2842-10	MW-17B-55.5-	1527	116									
Q2842-11	MW-17B-55.5-	1530	115									
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	106									
CCB04	CCB04	1610	106									

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

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	1133	100		100							
S2	S2	1139	102		104							
S3	S3	1143	101		104							
S4	S4	1146	103		106							
S5	S5	1149	103		106							
S6	S6	1152	104		105							
S7	S7	1154	106		105							
S8	S8	1157	103		98							
ICV01	ICV01	1215	99		101							
LLICV01	LLICV01	1226	99		101							
ICB01	ICB01	1229	99		102							
ICSA01	ICSA01	1233	105		103							
ICSAB01	ICSAB01	1236	106		102							
CCV01	CCV01	1239	107		104							
CCB01	CCB01	1244	101		104							
CRI	CRI	1248	103		103							
CCV02	CCV02	1340	106		102							
CCB02	CCB02	1343	102		101							
PB169250BL	PB169250BL	1346	99		99							
PB169250BS	PB169250BS	1350	104		102							
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	109		100							
CCB03	CCB03	1434	100		99							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1133	100									
S2	S2	1139	104									
S3	S3	1143	104									
S4	S4	1146	102									
S5	S5	1149	102									
S6	S6	1152	103									
S7	S7	1154	103									
S8	S8	1157	99									
ICV01	ICV01	1215	101									
LLICV01	LLICV01	1226	102									
ICB01	ICB01	1229	103									
ICSA01	ICSA01	1233	101									
ICSAB01	ICSAB01	1236	101									
CCV01	CCV01	1239	103									
CCB01	CCB01	1244	104									
CRI	CRI	1248	103									
CCV02	CCV02	1340	102									
CCB02	CCB02	1343	102									
PB169250BL	PB169250BL	1346	100									
PB169250BS	PB169250BS	1350	103									
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	97									
CCB03	CCB03	1434	99									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-17B-55.5-08122025L

Lab Name: Alliance **Contract:** JACO05

Lab Code: ACE **Lb No.:** lb136861 **Lab Sample ID :** Q2842-03L **SDG No.:** Q2842

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
Aluminum	31.8		22.0	J	31		P
Antimony	0.22	J	10.0	U	100.0		P
Arsenic	0.63	J	0.60	J	5		P
Barium	448		455		2		P
Beryllium	1.00	U	5.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	29600		30700		4		P
Chromium	2.00	U	10.0	U			P
Cobalt	8.23		8.25		0		P
Copper	2.00	U	10.0	U			P
Iron	7590		7950		5		P
Lead	0.61	J	5.00	U	100.0		P
Magnesium	9260		9290		0		P
Manganese	618		629		2		P
Nickel	11.3		11.7		4		P
Mercury	0.20	U	1.00	U			CV
Potassium	7950		8440		6		P
Selenium	5.00	U	25.0	U			P
Silver	1.00	U	5.00	U			P
Sodium	6170		6250		1		P
Thallium	0.21	J	5.00	U	100.0		P
Vanadium	0.29	J	25.0	U	100.0		P
Zinc	3.08	J	25.0	U	100.0		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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:	**PB169249**						
PB169249BL	PB169249BL	MB	WATER	08/14/2025	30.0	30.0	
PB169249BS	PB169249BS	LCS	WATER	08/14/2025	30.0	30.0	
Q2842-03	MW-17B-55.5-081225	SAM	WATER	08/14/2025	30.0	30.0	
Q2842-03DUP	MW-17B-55.5-081225DUP	DUP	WATER	08/14/2025	30.0	30.0	
Q2842-04	MW-17B-55.5-081225MS	MS	WATER	08/14/2025	30.0	30.0	
Q2842-05	MW-17B-55.5-081225MSD	MSD	WATER	08/14/2025	30.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **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:	**PB169250**						
PB169250BL	PB169250BL	MB	WATER	08/14/2025	50.0	50.0	
PB169250BS	PB169250BS	LCS	WATER	08/14/2025	50.0	50.0	
Q2842-03	MW-17B-55.5-081225	SAM	WATER	08/14/2025	50.0	50.0	
Q2842-03DUP	MW-17B-55.5-08122025DUP	DUP	WATER	08/14/2025	50.0	50.0	
Q2842-04	MW-17B-55.5-08122025MS	MS	WATER	08/14/2025	50.0	50.0	
Q2842-05	MW-17B-55.5-08122025MSD	MSD	WATER	08/14/2025	50.0	50.0	
Q2842-09	MW-17B-55.5-081225	SAM	WATER	08/14/2025	50.0	50.0	
Q2842-10	MW-17B-55.5-08122025MS	MS	WATER	08/14/2025	50.0	50.0	
Q2842-11	MW-17B-55.5-08122025MSD	MSD	WATER	08/14/2025	50.0	50.0	

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2842

Instrument id number: **Method:** **Run number:** LB136836

Start date: 08/15/2025 **End date:** 08/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1125	HG
S0.2	S0.2	1	1128	HG
S2.5	S2.5	1	1130	HG
S5	S5	1	1132	HG
S7.5	S7.5	1	1135	HG
S10	S10	1	1137	HG
ICV18	ICV18	1	1140	HG
ICB18	ICB18	1	1145	HG
CCV54	CCV54	1	1211	HG
CCB54	CCB54	1	1213	HG
CRA	CRA	1	1216	HG
PB169249BL	PB169249BL	1	1222	HG
PB169249BS	PB169249BS	1	1225	HG
CCV55	CCV55	1	1238	HG
CCB55	CCB55	1	1241	HG
Q2842-03	MW-17B-55.5-081225	1	1243	HG
Q2842-03DUP	MW-17B-55.5-081225DUP	1	1245	HG
Q2842-04	MW-17B-55.5-081225MS	1	1248	HG
Q2842-05	MW-17B-55.5-081225MSD	1	1250	HG
Q2842-03L	MW-17B-55.5-081225L	5	1304	HG
CCV56	CCV56	1	1309	HG
CCB56	CCB56	1	1311	HG
CCV57	CCV57	1	1315	HG
CCB57	CCB57	1	1318	HG

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2842

Instrument id number: **Method:** **Run number:** LB136861

Start date: 08/15/2025 **End date:** 08/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1234	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1248	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1251	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1254	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1257	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1300	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1303	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1306	Fe,Al,Ca,K,Mg,Na
ICV01	ICV01	1	1322	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1340	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1343	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1346	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1350	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1353	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1356	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1403	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1441	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1444	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03	MW-17B-55.5-081225	1	1500	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03DUP	MW-17B-55.5-08122025DUP	1	1503	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03L	MW-17B-55.5-08122025L	5	1506	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-04	MW-17B-55.5-08122025MS	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-05	MW-17B-55.5-08122025MSD	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03A	MW-17B-55.5-08122025A	1	1515	Ag
Q2842-09	MW-17B-55.5-081225	1	1518	Fe
CCV03	CCV03	1	1521	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1524	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-10	MW-17B-55.5-08122025MS	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-11	MW-17B-55.5-08122025MSD	1	1530	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1558	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1610	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1639	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1650	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2842

Instrument id number: **Method:** **Run number:** LB136916

Start date: 08/21/2025 **End date:** 08/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1133	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1139	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1143	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1146	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1149	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1152	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1154	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1157	Fe,Al,Ca,K,Mg,Na
ICV01	ICV01	1	1215	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1226	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1229	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1233	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1236	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1239	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1244	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1248	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1340	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1343	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169250BL	PB169250BL	1	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169250BS	PB169250BS	1	1350	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1432	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1434	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1512	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1518	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

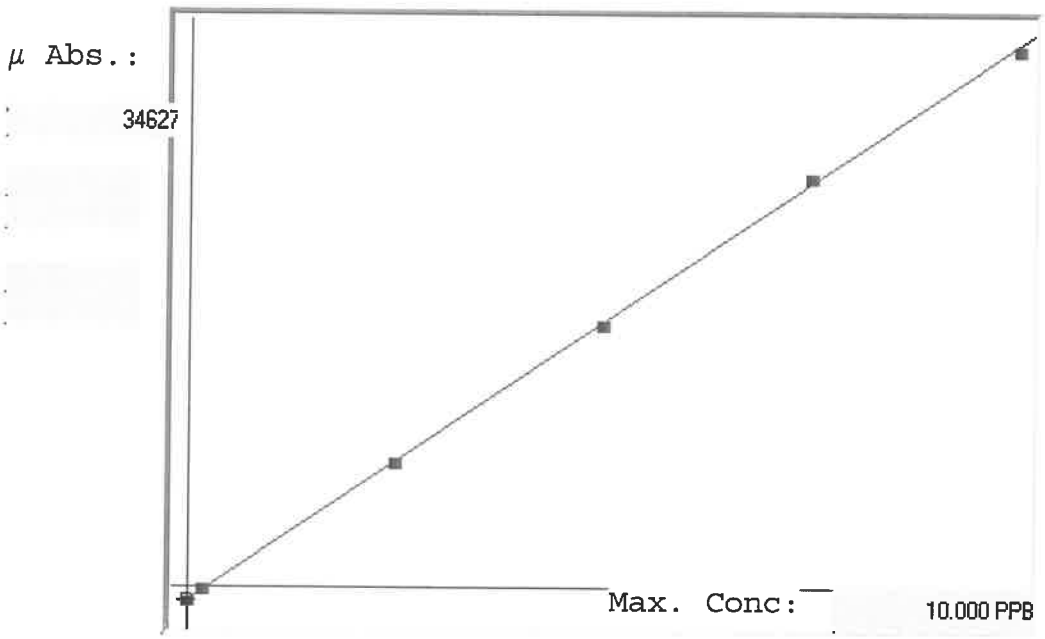
METAL
RAW DATA

LB136836
INSTRUMENT ID: CV1

Reviewed By:jaswal
On:8/17/2025 11:19:34 PM
Inst Id :CV1
LB :LB136836

7470A

Linear



A= 0.0000e+000
B= 2.7931e-004
C= 2.4972e-001
Rho= 0.9998804
Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%D
0.0	0.000	-0.007	-0.007	-920	0.000	-920	0				
0.2	0.200	0.184	-0.016	-234	0.0 %	-234					
2.5	2.500	2.507	0.007	8083	0.0 %	8083	0				
5.0	5.000	4.982	-0.018	16942	0.0 %	16942					
7.5	7.500	7.613	0.113	26361	0.0 %	26361					
10.0	10.000	9.921	-0.079	34627	0.0 %	34627					

Reviewed By:jaswal
On:8/17/2025 11:19:34 PM
Inst Id :CV1
LB :LB136836

LB136836 INSTRUMENT ID:CV1

Method: 7470A Operator: Admin Date of Analysis: 15 Aug 2025 10:34:38

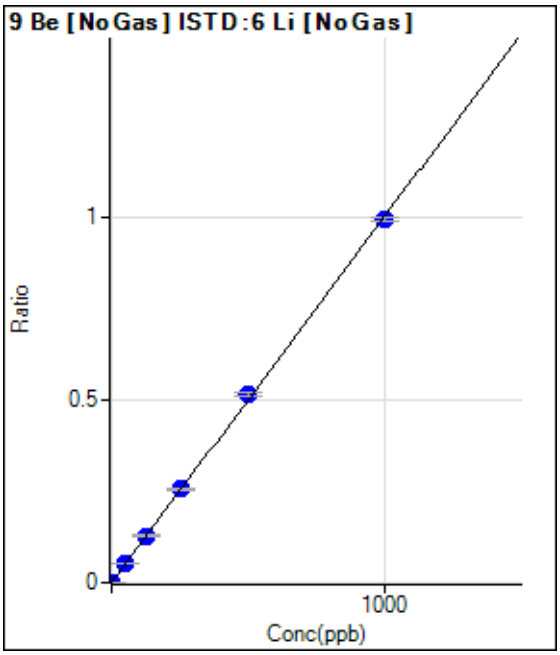
Type	Sample ID	Extended ID	Conc.	µ Abs.	Units	Type	Stnd Conc	Method	Date
S	0.0 - 1	S0.0	-	-920	PPB	Std	0.00000	7470A	15 Aug 2025 11:25:54
S	0.2 - 1	S0.2	-	-234	PPB	Std	0.20000	7470A	15 Aug 2025 11:28:11
S	2.5 - 1	S2.5	-	8083	PPB	Std	2.50000	7470A	15 Aug 2025 11:30:28
S	5.0 - 1	S5.0	-	16942	PPB	Std	5.00000	7470A	15 Aug 2025 11:32:44
S	7.5 - 1	S7.5	-	26361	PPB	Std	7.50000	7470A	15 Aug 2025 11:35:03
S	10.0 - 1	S10.0	-	34627	PPB	Std	10.00000	7470A	15 Aug 2025 11:37:20
U	ICV18 - 1	ICV18	4.0785	13708	PPB	SMPL		7470A	15 Aug 2025 11:40:06
U	ICB18 - 1	ICB18	0.0028	-884	PPB	SMPL		7470A	15 Aug 2025 11:45:30
U	CCV54 - 1	CCV54	5.2390	17863	PPB	SMPL		7470A	15 Aug 2025 12:11:25
U	CCB54 - 1	CCB54	-0.0595	-1107	PPB	SMPL		7470A	15 Aug 2025 12:13:45
U	CRA - 1	CRA	0.1877	-222	PPB	SMPL		7470A	15 Aug 2025 12:16:02
U	HighStd - 1	HighStd	9.9914	34878	PPB	SMPL		7470A	15 Aug 2025 12:18:20
U	ChkStd - 1	ChkStd	7.6262	26410	PPB	SMPL		7470A	15 Aug 2025 12:20:35
U	PB169249BL - 1	PBW	-0.1458	-1416	PPB	SMPL		7470A	15 Aug 2025 12:22:53
U	PB169249BS - 1	LCSW	4.1949	14125	PPB	SMPL		7470A	15 Aug 2025 12:25:11
U	Q2814-22 - 1	TW-84SB-E	-0.0447	-1054	PPB	SMPL		7470A	15 Aug 2025 12:27:28
U	Q2814-23 - 1	TW-17M-W	0.0132	-847	PPB	SMPL		7470A	15 Aug 2025 12:29:47
U	Q2815-25 - 1	TW-11M-W	0.1841	-235	PPB	SMPL		7470A	15 Aug 2025 12:32:04
U	Q2837-01 - 1	TW-WTS-13	0.0059	-873	PPB	SMPL		7470A	15 Aug 2025 12:34:21
U	Q2840-03 - 1	0804-E	0.6824	1549	PPB	SMPL		7470A	15 Aug 2025 12:36:38
U	CCV55 - 1	CCV55	4.8250	16381	PPB	SMPL		7470A	15 Aug 2025 12:38:53
U	CCB55 - 1	CCB55	-0.0111	-934	PPB	SMPL		7470A	15 Aug 2025 12:41:15
U	Q2842-03 - 1	MW-17B-55.5-081225	0.0226	-813	PPB	SMPL		7470A	15 Aug 2025 12:43:33
U	Q2842-03DUP - 1	MW-17B-55.5-081225DUP	0.0145	-842	PPB	SMPL		7470A	15 Aug 2025 12:45:48
U	Q2842-04 - 1	Q2842-03MS	3.7508	12535	PPB	SMPL		7470A	15 Aug 2025 12:48:03
U	Q2842-05 - 1	Q2842-03MSD	3.8882	13027	PPB	SMPL		7470A	15 Aug 2025 12:50:19
U	Q2849-01 - 1	BUR-25-0071	0.0821	-600	PPB	SMPL		7470A	15 Aug 2025 12:52:36
U	Q2856-01 - 1	#452	0.5153	951	PPB	SMPL		7470A	15 Aug 2025 12:54:54
U	Q2856-03 - 1	#456	-0.0533	-1085	PPB	SMPL		7470A	15 Aug 2025 12:57:13
U	Q2857-01 - 1	4023	-0.0290	-998	PPB	SMPL		7470A	15 Aug 2025 12:59:34
U	Q2857-02 - 1	3919	0.0037	-881	PPB	SMPL		7470A	15 Aug 2025 13:01:53
U	Q2842-03LX5 - 1		0.0129	-848	PPB	SMPL		7470A	15 Aug 2025 13:04:09
U	CCV56 - 1	CCV56	5.0932	17341	PPB	SMPL		7470A	15 Aug 2025 13:09:07
U	CCB56 - 1	CCB56	-0.0477	-1065	PPB	SMPL		7470A	15 Aug 2025 13:11:23
U	Q2842-03A - 1		3.9251	13159	PPB	SMPL		7470A	15 Aug 2025 13:13:41
U	CCV57 - 1	CCV57	5.1775	17643	PPB	SMPL		7470A	15 Aug 2025 13:15:59
U	CCB57 - 1	CCB57	-0.0651	-1127	PPB	SMPL		7470A	15 Aug 2025 13:18:16

Calibration for 008CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7081525-MS.b\
Analysis File: P7081525-MS.batch.bin
DA Date-Time: 2025-08-15 17:00:51
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	002CALB.d	S00	2025-08-15 12:34:51
2	006CALS.d	S02	2025-08-15 12:48:25
3	007CALS.d	S03	2025-08-15 12:51:42
4	008CALS.d	S04	2025-08-15 12:54:53
5	009CALS.d	S05	2025-08-15 12:57:53
6	010CALS.d	S06	2025-08-15 13:00:51
7	011CALS.d	S07	2025-08-15 13:03:39
8	012CALS.d	S08	2025-08-15 13:06:29

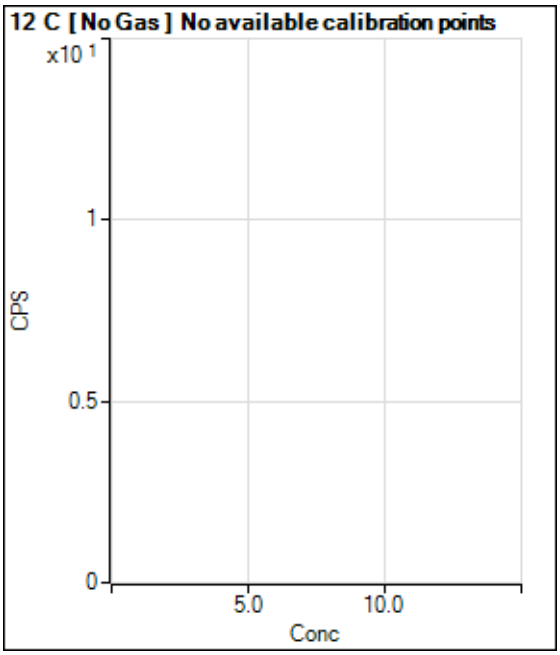
Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.54	0.0000	P	44.4
2	☐	1.000	1.140	885.63	0.0011	P	6.3
3	☐	50.000	52.171	40799.64	0.0521	P	1.2
4	☐	125.000	128.416	101471.65	0.1283	P	1.0
5	☐	250.000	255.671	200675.74	0.2555	P	1.7
6	☐	500.000	513.581	397234.28	0.5132	P	2.5
7	☐	1000.000	991.256	778273.95	0.9904	P	1.1
8	☐			142.36	0.0002	P	10.8

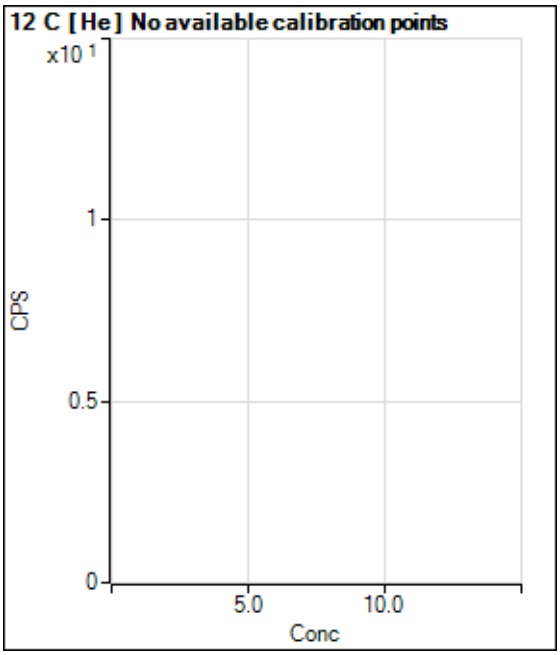
y = 9.9915E-004 * x + 6.0956E-006
R = 0.9998
DL = 0.008127
BEC = 0.006101

Weight: <None>
Min Conc: <None>

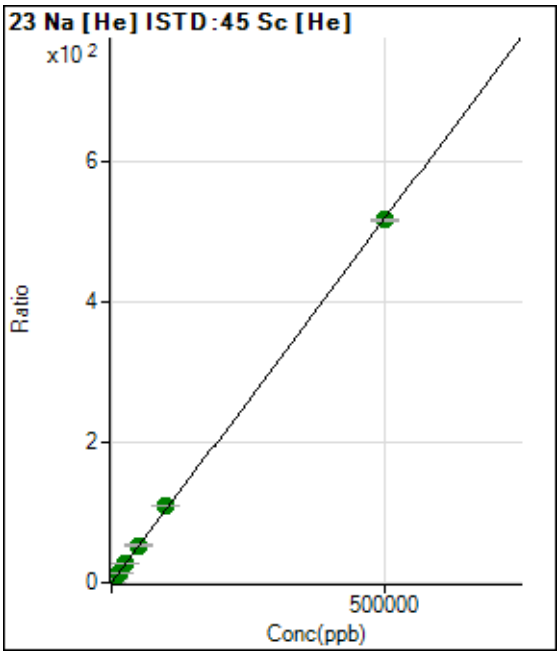


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
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6	☐						
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8	☐						

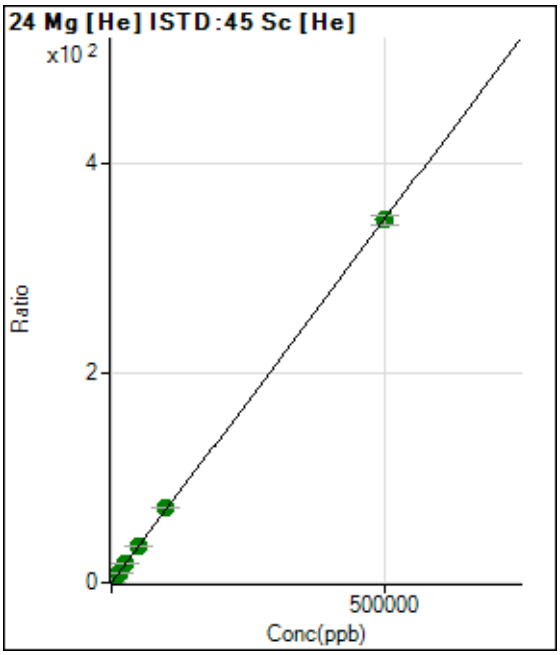


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38978.10	0.0928	P	0.7
2	☐	500.000	549.030	278404.13	0.6620	P	1.2
3	☐	5000.000	5220.923	2363656.56	5.5057	A	1.0
4	☐	12500.000	13374.940	5956904.77	13.9596	A	1.4
5	☐	25000.000	26514.688	11671013.86	27.5826	A	1.1
6	☐	50000.000	51171.642	23189127.15	53.1464	A	1.4
7	☐	100000.00	105208.68	46655050.97	109.1708	A	0.9
8	☐	500000.00	498741.23	230713507.6	517.1767	A	0.3

y = 0.0010 * x + 0.0928
R = 0.9999
DL = 1.766
BEC = 89.48

Weight: <None>
Min Conc: <None>

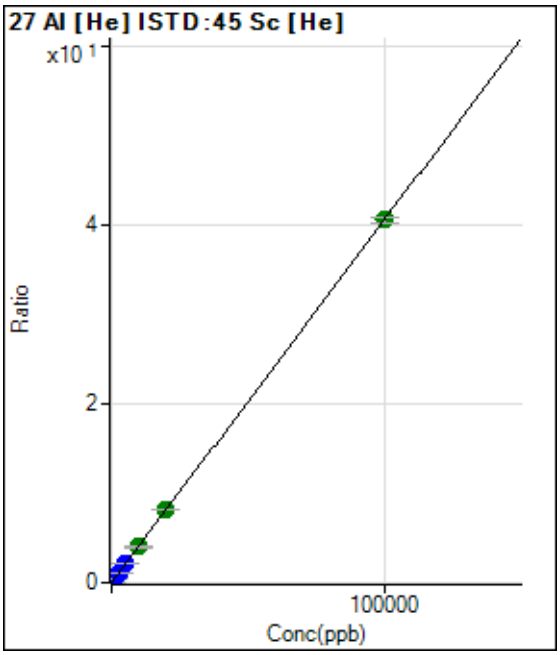
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3041.44	0.0072	P	4.4
2	☐	500.000	531.007	157820.76	0.3752	P	0.6
3	☐	5000.000	5093.941	1518754.58	3.5375	A	0.6
4	☐	12500.000	13152.131	3892621.99	9.1220	A	0.3
5	☐	25000.000	26036.390	7637702.60	18.0511	A	1.9
6	☐	50000.000	50050.511	15135563.38	34.6934	A	2.9
7	☐	100000.00	102886.31	30474068.71	71.3099	A	0.5
8	☐	500000.00	499348.59	154359308.8	346.0674	A	2.8

y = 6.9302E-004 * x + 0.0072
R = 1.0000
DL = 1.388
BEC = 10.45

Weight: <None>
Min Conc: <None>

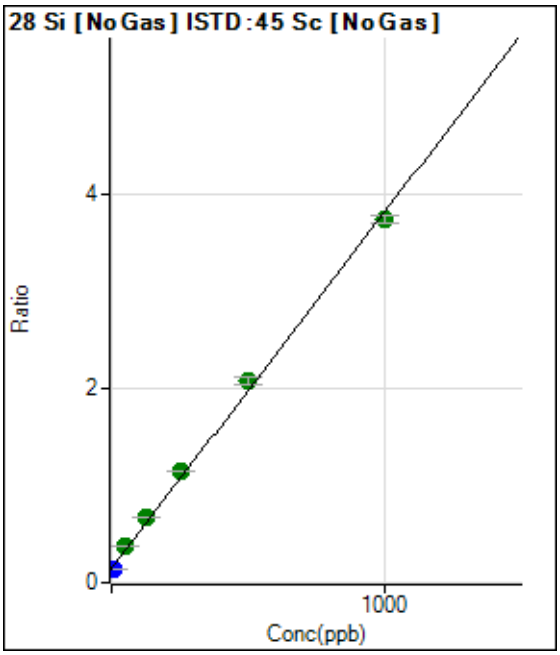


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1902.36	0.0045	P	2.9
2	☐	20.000	19.419	5222.06	0.0124	P	0.8
3	☐	1000.000	996.613	175727.53	0.4093	P	0.5
4	☐	2500.000	2544.435	442913.76	1.0380	P	1.0
5	☐	5000.000	5042.997	868547.34	2.0528	P	0.4
6	☐	10000.000	9814.931	1741270.08	3.9910	A	1.7
7	☐	20000.000	20251.636	3516957.38	8.2299	A	0.7
8	☐	100000.00	99964.953	18114209.45	40.6062	A	1.3

y = 4.0616E-004 * x + 0.0045
R = 1.0000
DL = 0.9825
BEC = 11.15

Weight: <None>
Min Conc: <None>

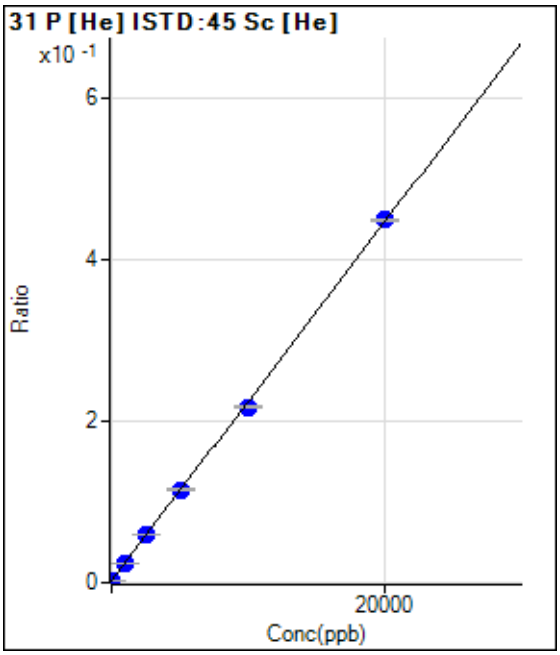
Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	548289.54	0.1454	P	1.3
2	☐	10.000	0.502	558152.49	0.1473	P	0.8
3	☐	50.000	63.765	1468051.82	0.3793	A	1.1
4	☐	125.000	144.217	2588714.39	0.6744	A	1.7
5	☐	250.000	272.557	4321776.67	1.1451	A	0.8
6	☐	500.000	525.853	7816369.19	2.0741	A	4.3
7	☐	1000.000	978.439	14344445.20	3.7341	A	2.2
8	☐			632768.87	0.1621	P	1.5

y = 0.0037 * x + 0.1454
R = 0.9989
DL = 1.58
BEC = 39.65

Weight: <None>
Min Conc: <None>

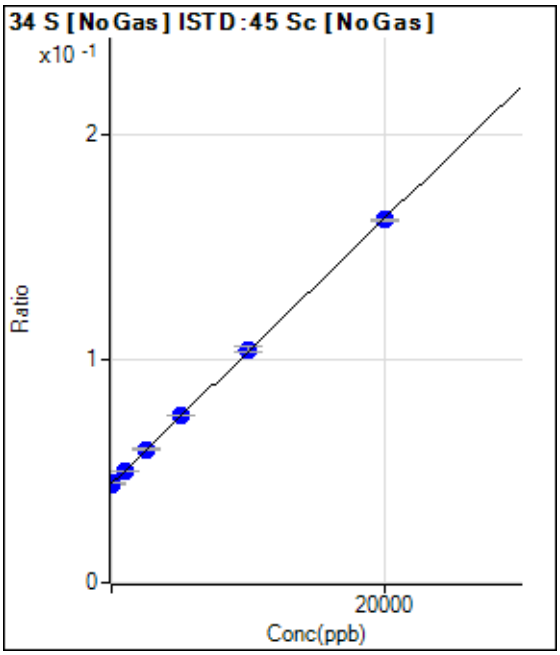


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-16.202	951.15	0.0023	P	1.3
2	☐	0.000	16.202	1254.51	0.0030	P	4.1
3	☐	1000.000	967.592	10360.27	0.0241	P	1.4
4	☐	2500.000	2542.538	25235.39	0.0591	P	1.3
5	☐	5000.000	5073.840	48830.15	0.1154	P	2.0
6	☐	10000.000	9700.172	95217.92	0.2182	P	1.9
7	☐	20000.000	20127.757	192308.99	0.4500	P	0.2
8	☐			916.70	0.0021	P	5.0

y = 2.2227E-005 * x + 0.0026
R = 0.9998
DL = 10.27
BEC = 118

Weight: <None>
Min Conc: <None>

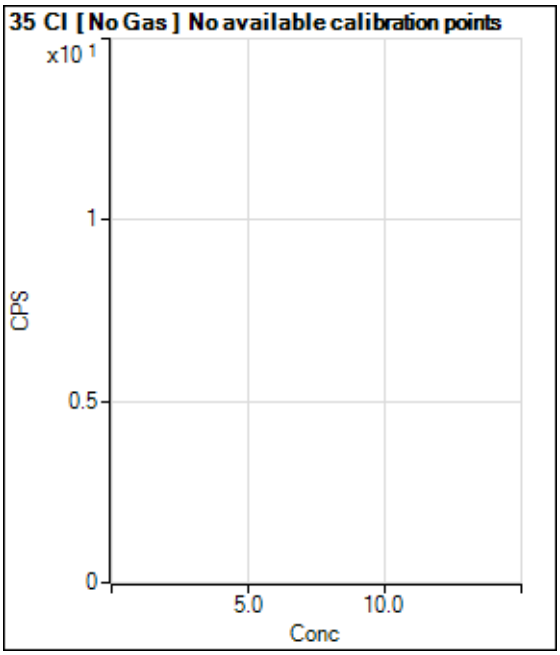
Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-48.173	165885.82	0.0440	P	1.1
2	☐	0.000	48.173	168920.77	0.0446	P	0.9
3	☐	1000.000	927.210	192648.05	0.0498	P	0.4
4	☐	2500.000	2581.394	228669.29	0.0596	P	0.6
5	☐	5000.000	5126.382	281669.05	0.0746	P	0.2
6	☐	10000.000	10129.039	392893.12	0.1042	P	3.1
7	☐	20000.000	19897.350	622620.00	0.1621	P	0.4
8	☐			161101.96	0.0413	P	0.6

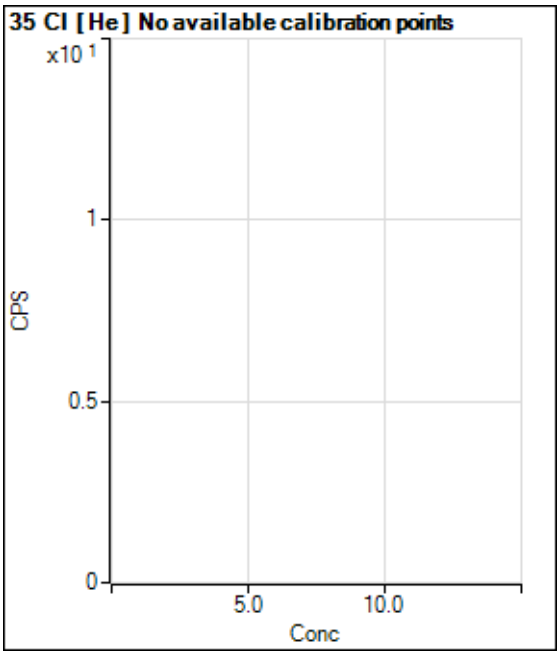
y = 5.9189E-006 * x + 0.0443
R = 0.9999
DL = 225.1
BEC = 7483

Weight: <None>
Min Conc: <None>

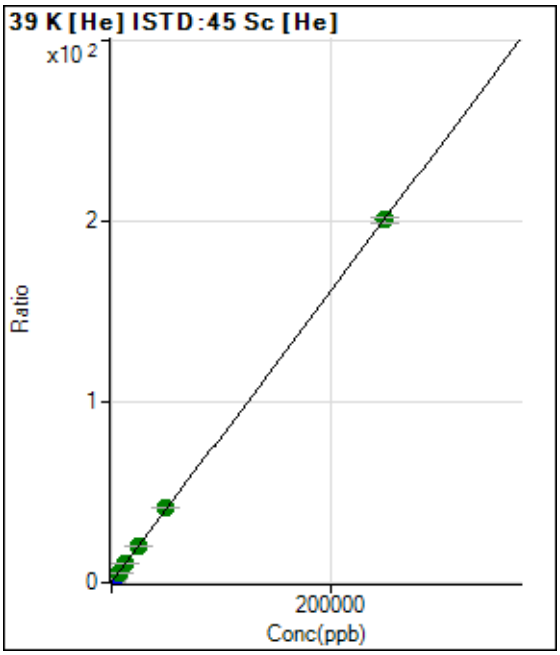


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

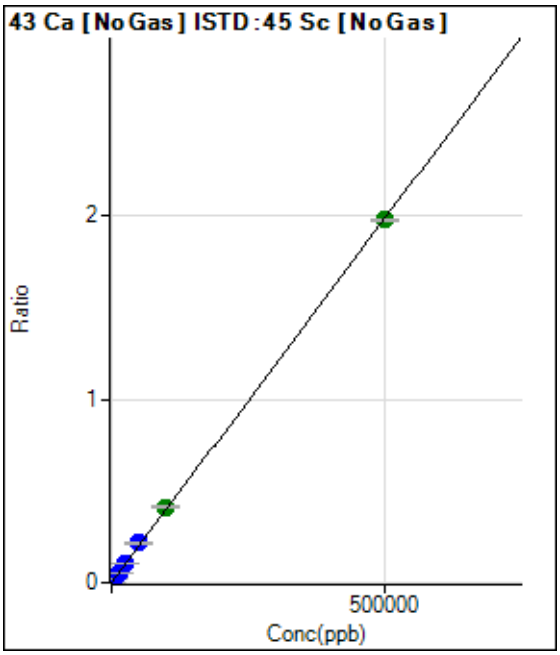


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78335.57	0.1864	P	1.3
2	☐	500.000	572.751	271860.36	0.6464	P	1.4
3	☐	2500.000	2642.403	991096.82	2.3086	P	1.3
4	☐	6250.000	6533.877	2318582.10	5.4340	A	1.6
5	☐	12500.000	13002.508	4497263.37	10.6291	A	0.3
6	☐	25000.000	24899.927	8807345.77	20.1841	A	0.6
7	☐	50000.000	51475.641	17746903.48	41.5277	A	1.2
8	☐	250000.00	249681.08	89531349.78	200.7109	A	1.5

y = 8.0312E-004 * x + 0.1864
R = 1.0000
DL = 8.755
BEC = 232.2

Weight: <None>
Min Conc: <None>

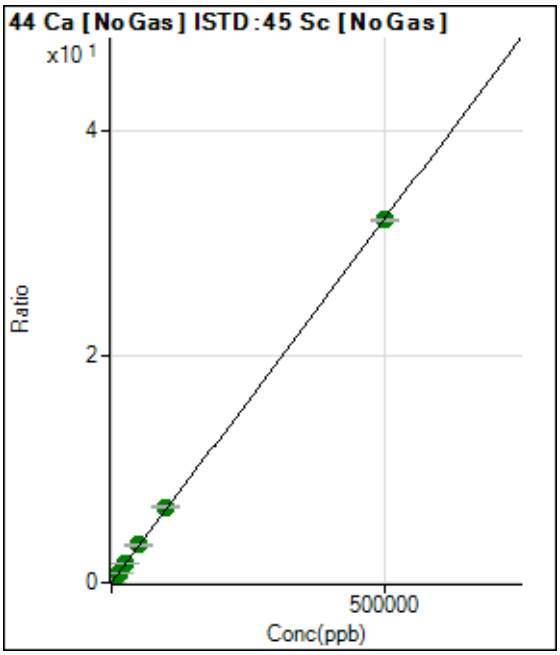
Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	644.46	0.0002	P	1.2
2	☐	500.000	577.378	9322.95	0.0025	P	1.0
3	☐	5000.000	5318.528	82272.87	0.0213	P	0.7
4	☐	12500.000	13676.275	208803.20	0.0544	P	0.7
5	☐	25000.000	27106.423	406249.20	0.1076	P	0.4
6	☐	50000.000	54380.856	813253.85	0.2158	P	3.2
7	☐	100000.00	103844.53	1582305.67	0.4119	A	1.5
8	☐	500000.00	498655.01	7717566.07	1.9772	A	0.6

y = 3.9647E-006 * x + 1.7095E-004
R = 0.9999
DL = 1.612
BEC = 43.12

Weight: <None>
Min Conc: <None>

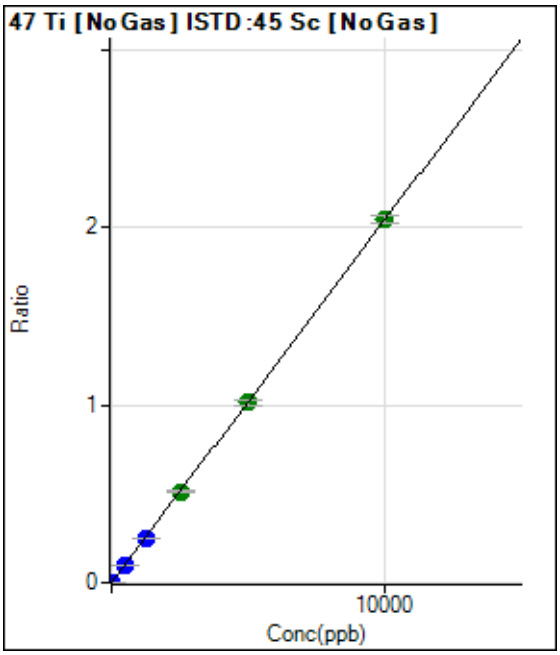


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	28525.80	0.0076	P	2.9
2	☐	500.000	574.614	168752.79	0.0445	P	0.7
3	☐	5000.000	5038.901	1283667.52	0.3317	A	1.7
4	☐	12500.000	13001.700	3239420.96	0.8439	A	1.3
5	☐	25000.000	25960.252	6330893.24	1.6774	A	0.9
6	☐	50000.000	51640.899	12547688.98	3.3293	A	3.4
7	☐	100000.00	103837.12	25688150.45	6.6867	A	1.4
8	☐	500000.00	499007.46	125319719.2	32.1055	A	0.6

y = 6.4324E-005 * x + 0.0076
R = 1.0000
DL = 10.28
BEC = 117.6

Weight: <None>
Min Conc: <None>

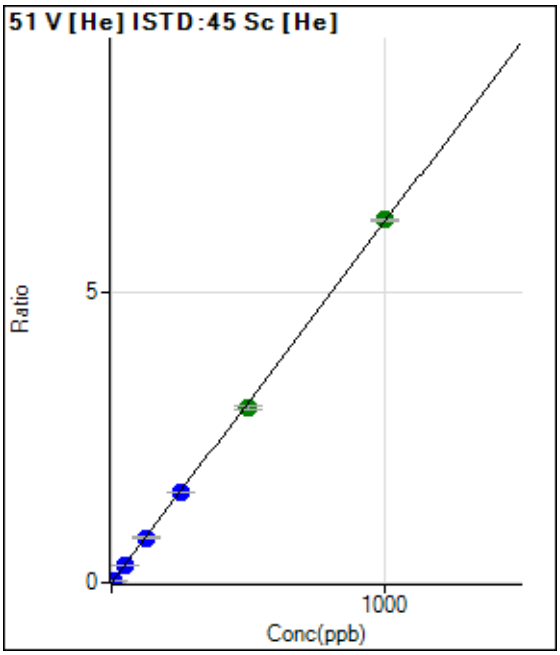
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	104.44	0.0000	P	18.3
2	☐	5.000	5.262	4171.72	0.0011	P	2.1
3	☐	500.000	482.840	381211.85	0.0985	P	0.3
4	☐	1250.000	1238.391	969619.22	0.2526	P	0.7
5	☐	2500.000	2501.833	1925771.20	0.5102	A	1.6
6	☐	5000.000	4980.441	3828273.83	1.0157	A	3.3
7	☐	10000.000	10011.630	7843437.66	2.0418	A	2.1
8	☐			1124.50	0.0003	P	1.0

y = 2.0394E-004 * x + 2.7732E-005
R = 1.0000
DL = 0.07475
BEC = 0.136

Weight: <None>
Min Conc: <None>

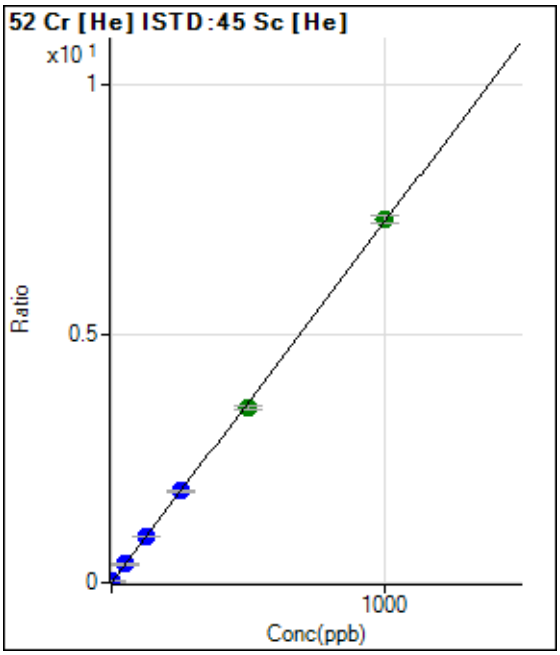


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23.34	0.0001	P	66.2
2	☐	5.000	5.522	14479.27	0.0344	P	0.4
3	☐	50.000	49.044	131078.12	0.3053	P	0.7
4	☐	125.000	124.716	331246.82	0.7763	P	1.2
5	☐	250.000	250.757	660382.63	1.5608	P	0.3
6	☐	500.000	486.395	1320867.41	3.0275	A	2.0
7	☐	1000.000	1006.694	2677677.41	6.2659	A	0.7
8	☐			1320.07	0.0030	P	5.5

y = 0.0062 * x + 5.5780E-005
R = 0.9999
DL = 0.0178
BEC = 0.008962

Weight: <None>
Min Conc: <None>

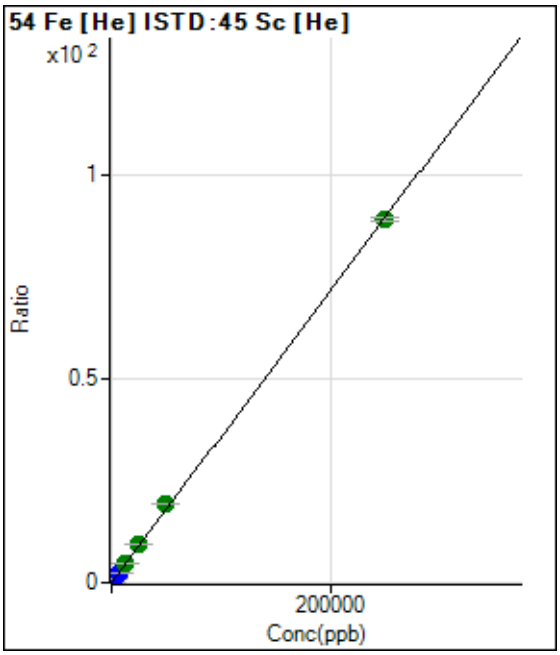
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2722.56	0.0065	P	7.1
2	☐	2.000	2.162	9312.99	0.0222	P	3.7
3	☐	50.000	50.019	158390.73	0.3689	P	1.4
4	☐	125.000	127.597	397296.11	0.9311	P	1.0
5	☐	250.000	252.678	777412.10	1.8375	P	1.2
6	☐	500.000	485.637	1538162.63	3.5256	A	2.2
7	☐	1000.000	1006.186	3118485.20	7.2976	A	2.1
8	☐			17335.62	0.0389	P	1.3

y = 0.0072 * x + 0.0065
R = 0.9998
DL = 0.1908
BEC = 0.8946

Weight: <None>
Min Conc: <None>

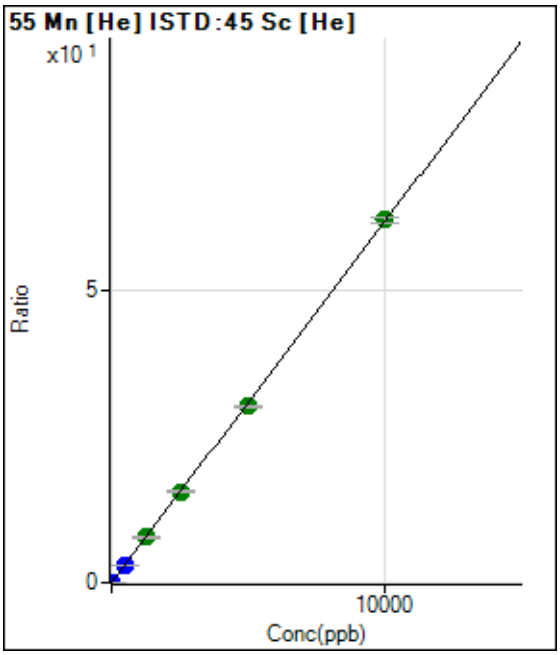


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3137.02	0.0075	P	2.1
2	☐	50.000	58.132	11865.88	0.0282	P	1.3
3	☐	2500.000	2802.334	432635.63	1.0077	P	0.8
4	☐	6250.000	7082.675	1081960.49	2.5355	P	0.2
5	☐	12500.000	13533.433	2047025.75	4.8381	A	0.2
6	☐	25000.000	25970.976	4047814.11	9.2775	A	1.7
7	☐	50000.000	54099.156	8254974.25	19.3175	A	1.4
8	☐	250000.00	249007.55	39651350.24	88.8878	A	1.1

y = 3.5694E-004 * x + 0.0075
R = 0.9999
DL = 1.345
BEC = 20.91

Weight: <None>
Min Conc: <None>

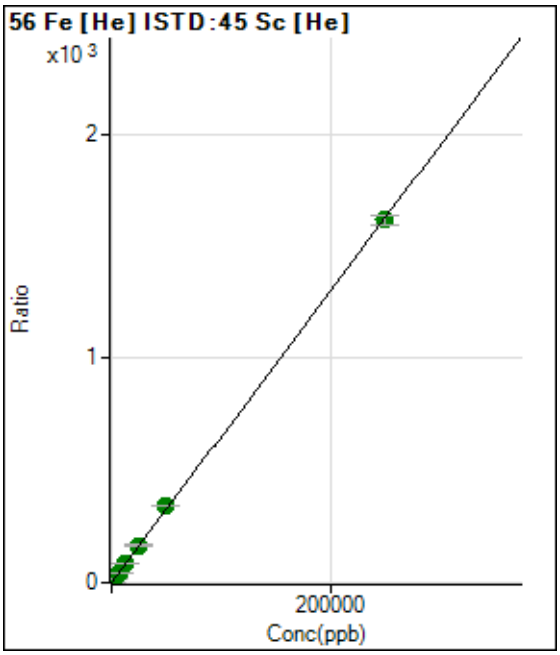
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1170.39	0.0028	P	1.8
2	☐	1.000	1.010	3801.13	0.0090	P	1.1
3	☐	500.000	498.933	1326785.14	3.0905	P	1.0
4	☐	1250.000	1257.977	3322684.80	7.7878	A	3.1
5	☐	2500.000	2523.109	6607661.43	15.6171	A	0.7
6	☐	5000.000	4880.369	13179680.10	30.2051	A	0.7
7	☐	10000.000	10053.095	26587058.29	62.2167	A	1.3
8	☐			14682.25	0.0329	P	1.3

y = 0.0062 * x + 0.0028
R = 0.9999
DL = 0.02467
BEC = 0.4501

Weight: <None>
Min Conc: <None>

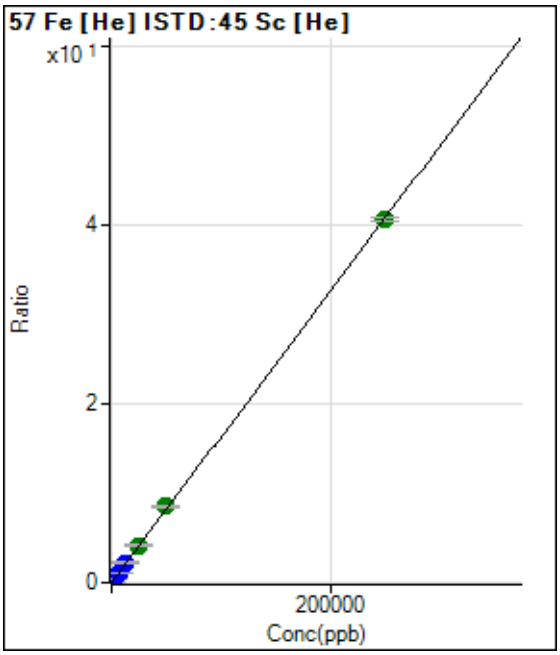


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27505.39	0.0655	P	2.4
2	☐	50.000	57.127	183421.08	0.4362	P	2.0
3	☐	2500.000	2615.449	7314966.90	17.0387	A	0.9
4	☐	6250.000	6667.192	18489629.45	43.3330	A	1.4
5	☐	12500.000	13301.286	36549257.51	86.3857	A	0.9
6	☐	25000.000	25567.078	72421181.14	165.9859	A	1.5
7	☐	50000.000	52756.586	146341352.2	342.4354	A	1.7
8	☐	250000.00	249340.32	721783153.6	1,618.188	A	2.5

y = 0.0065 * x + 0.0655
R = 0.9999
DL = 0.7395
BEC = 10.09

Weight: <None>
Min Conc: <None>

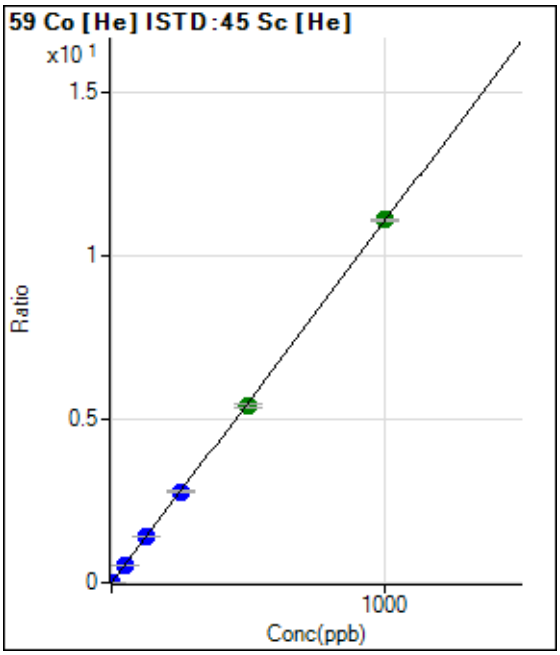
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1947.93	0.0046	P	2.7
2	☐	50.000	58.689	5961.36	0.0142	P	4.5
3	☐	2500.000	2707.433	190744.67	0.4443	P	1.2
4	☐	6250.000	6885.520	479072.60	1.1228	P	2.0
5	☐	12500.000	13810.256	950839.92	2.2473	P	0.6
6	☐	25000.000	25586.111	1814804.12	4.1597	A	2.5
7	☐	50000.000	52280.616	3630094.49	8.4947	A	0.6
8	☐	250000.00	249401.78	18068910.70	40.5059	A	1.0

y = 1.6239E-004 * x + 0.0046
R = 1.0000
DL = 2.27
BEC = 28.54

Weight: <None>
Min Conc: <None>

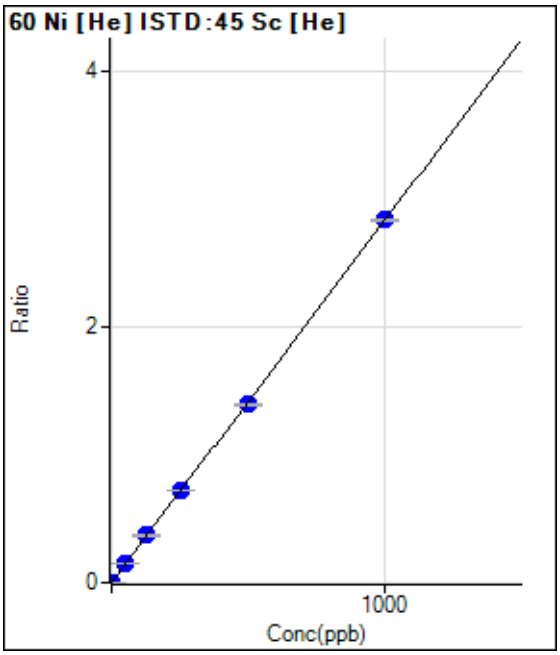


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0004	P	18.3
2	☐	1.000	1.151	5532.18	0.0132	P	1.7
3	☐	50.000	49.939	237144.83	0.5524	P	1.8
4	☐	125.000	127.178	599990.72	1.4061	P	0.8
5	☐	250.000	252.367	1180323.00	2.7898	P	0.8
6	☐	500.000	489.646	2361452.41	5.4124	A	1.7
7	☐	1000.000	1004.316	4743836.87	11.1009	A	0.8
8	☐			9370.76	0.0210	P	3.0

y = 0.0111 * x + 4.3606E-004
R = 0.9999
DL = 0.02168
BEC = 0.03945

Weight: <None>
Min Conc: <None>

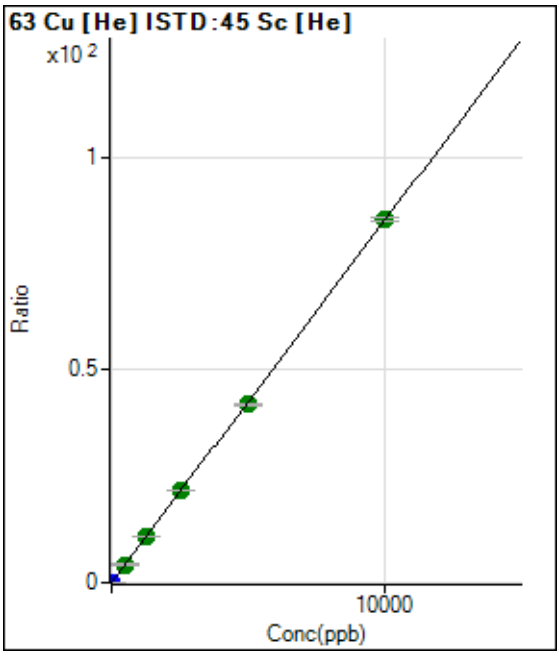
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	621.13	0.0015	P	7.2
2	☐	1.000	1.008	1821.24	0.0043	P	2.0
3	☐	50.000	50.880	62398.31	0.1454	P	2.0
4	☐	125.000	129.814	157265.31	0.3686	P	1.1
5	☐	250.000	255.908	306799.63	0.7251	P	0.9
6	☐	500.000	491.655	607303.52	1.3918	P	1.1
7	☐	1000.000	1002.050	1211531.07	2.8350	P	0.4
8	☐			5374.36	0.0120	P	3.9

y = 0.0028 * x + 0.0015
R = 0.9999
DL = 0.1136
BEC = 0.5227

Weight: <None>
Min Conc: <None>

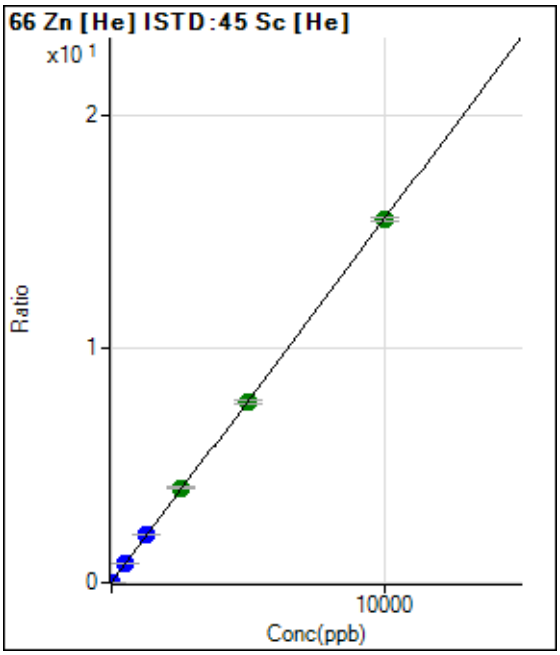


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1514.54	0.0036	P	3.5
2	☐	2.000	2.089	8979.42	0.0214	P	2.0
3	☐	500.000	504.209	1840708.62	4.2876	A	1.3
4	☐	1250.000	1277.106	4630979.72	10.8544	A	3.0
5	☐	2500.000	2554.035	9182976.46	21.7037	A	0.1
6	☐	5000.000	4916.159	18228076.67	41.7731	A	0.5
7	☐	10000.000	10024.813	36401408.35	85.1782	A	0.9
8	☐			8009.99	0.0180	P	1.2

y = 0.0085 * x + 0.0036
R = 0.9999
DL = 0.0446
BEC = 0.4243

Weight: <None>
Min Conc: <None>

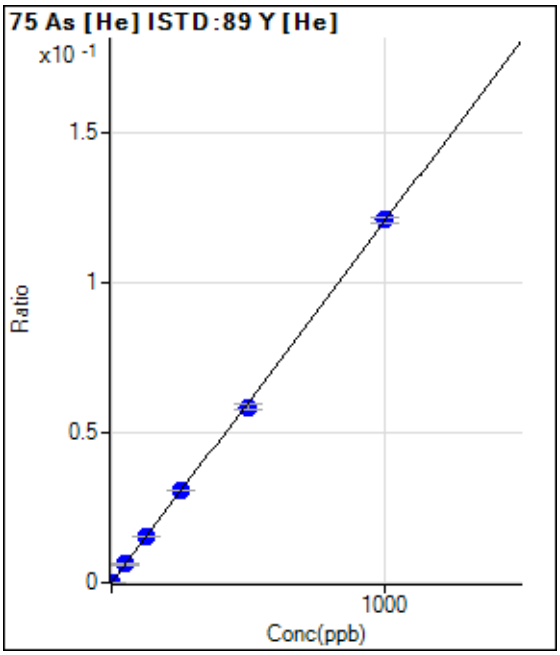
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4596.31	0.0109	P	2.2
2	☐	5.000	4.496	7539.75	0.0179	P	0.7
3	☐	500.000	514.923	348125.54	0.8109	P	1.4
4	☐	1250.000	1302.681	868244.26	2.0347	P	1.0
5	☐	2500.000	2607.539	1718729.63	4.0619	A	1.3
6	☐	5000.000	4985.014	3383717.07	7.7555	A	1.9
7	☐	10000.000	9973.277	6626229.42	15.5050	A	1.0
8	☐			8224.56	0.0184	P	2.5

y = 0.0016 * x + 0.0109
R = 0.9999
DL = 0.456
BEC = 7.042

Weight: <None>
Min Conc: <None>

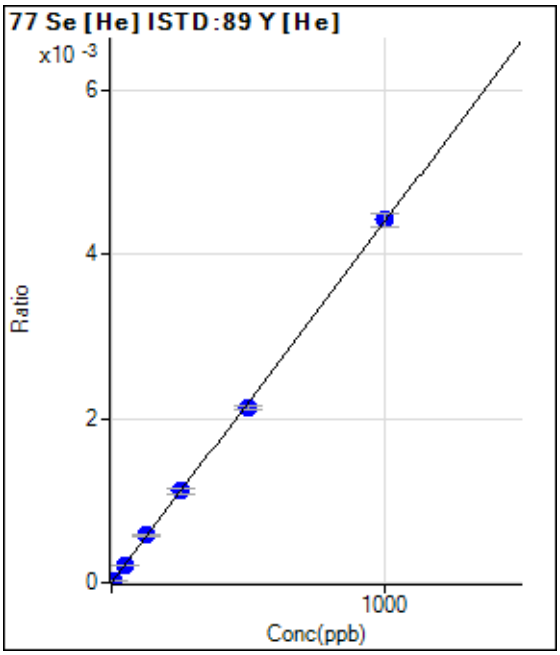


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14.44	0.0000	P	14.5
2	☐	1.000	1.082	430.01	0.0001	P	6.0
3	☐	50.000	50.765	19688.72	0.0061	P	1.4
4	☐	125.000	127.106	48794.63	0.0153	P	1.1
5	☐	250.000	256.337	98750.46	0.0309	P	0.2
6	☐	500.000	486.198	194030.45	0.0586	P	3.4
7	☐	1000.000	1005.015	393254.23	0.1211	P	1.3
8	☐			481.12	0.0001	P	4.4

y = 1.2053E-004 * x + 4.2753E-006
R = 0.9998
DL = 0.01546
BEC = 0.03547

Weight: <None>
Min Conc: <None>

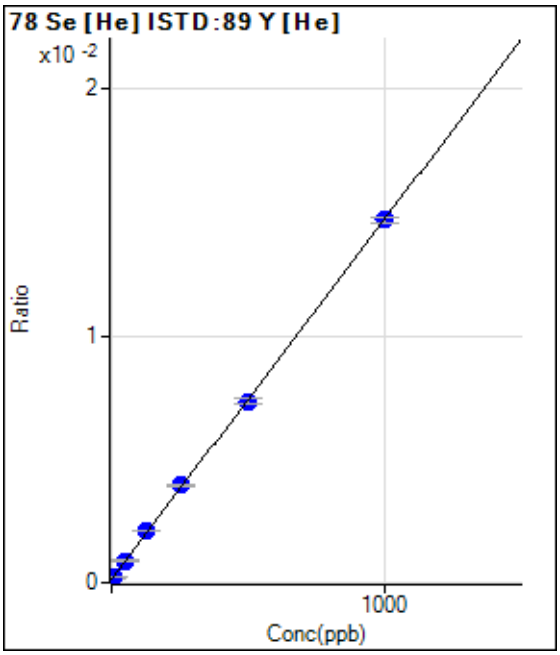
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	5.623	78.89	0.0000	P	35.8
3	☐	50.000	48.836	690.02	0.0002	P	5.8
4	☐	125.000	131.157	1836.80	0.0006	P	3.6
5	☐	250.000	253.991	3568.25	0.0011	P	5.4
6	☐	500.000	486.225	7080.65	0.0021	P	1.8
7	☐	1000.000	1005.175	14339.26	0.0044	P	3.4
8	☐			24.44	0.0000	P	46.9

y = 4.3956E-006 * x + 0.0000E+000
R = 0.9998
DL = 0
BEC = 0

Weight: <None>
Min Conc: <None>

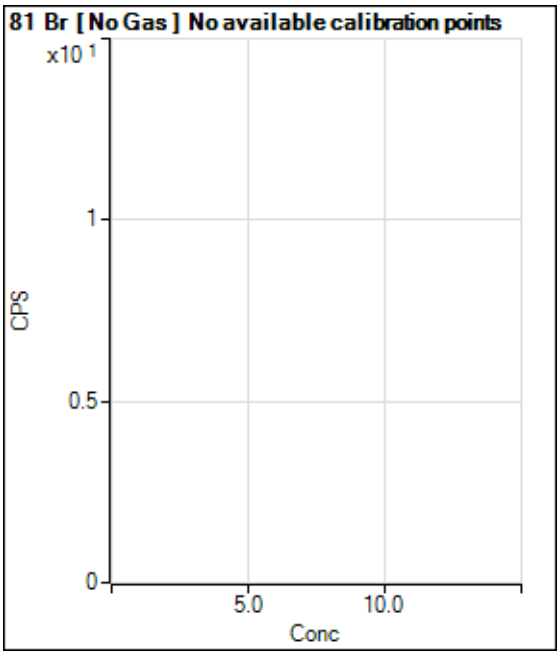


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	450.01	0.0001	P	4.4
2	☐	5.000	7.157	758.91	0.0002	P	3.5
3	☐	50.000	51.852	2859.20	0.0009	P	4.4
4	☐	125.000	134.543	6669.34	0.0021	P	1.1
5	☐	250.000	261.406	12601.03	0.0039	P	2.8
6	☐	500.000	495.083	24336.81	0.0074	P	3.3
7	☐	1000.000	998.311	47675.71	0.0147	P	1.6
8	☐			584.46	0.0002	P	7.8

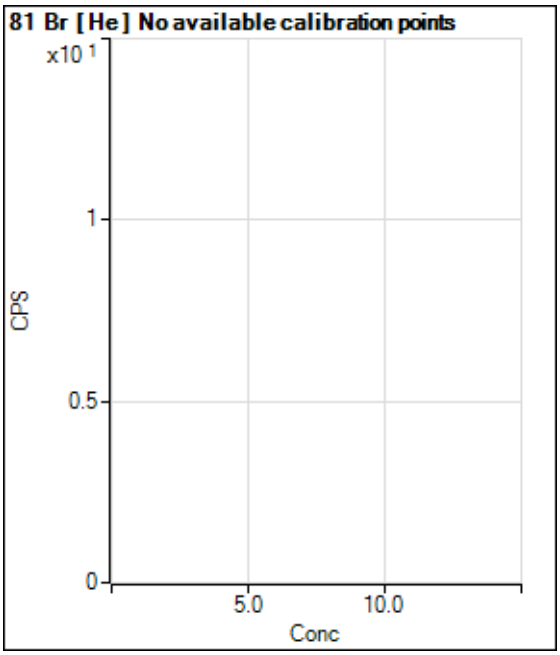
y = 1.4579E-005 * x + 1.3311E-004
R = 0.9999
DL = 1.214
BEC = 9.13

Weight: <None>
Min Conc: <None>

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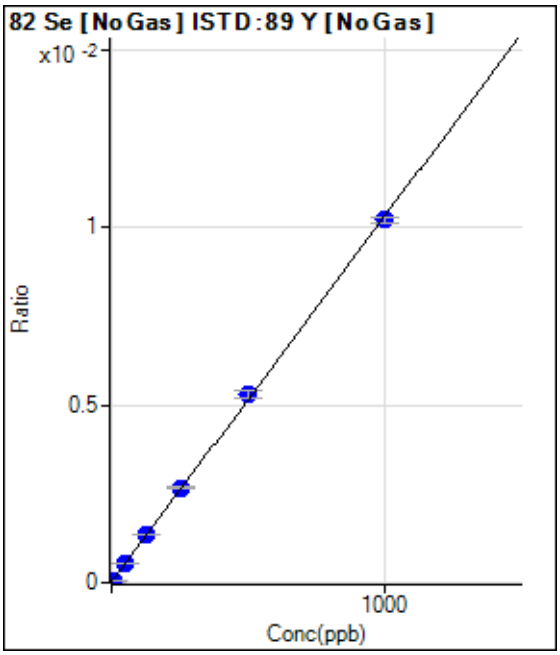


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			9494.26		P	1.5
2	☐			9572.08		P	1.9
3	☐			9563.18		P	1.7
4	☐			9492.04		P	1.9
5	☐			9241.87		P	1.9
6	☐			9214.08		P	2.7
7	☐			9214.07		P	2.0
8	☐			9513.15		P	2.8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			234.45		P	18.0
2	☐			225.56		P	17.1
3	☐			193.34		P	19.9
4	☐			195.56		P	17.2
5	☐			234.45		P	18.5
6	☐			184.45		P	10.3
7	☐			120.00		P	14.4
8	☐			217.78		P	4.7

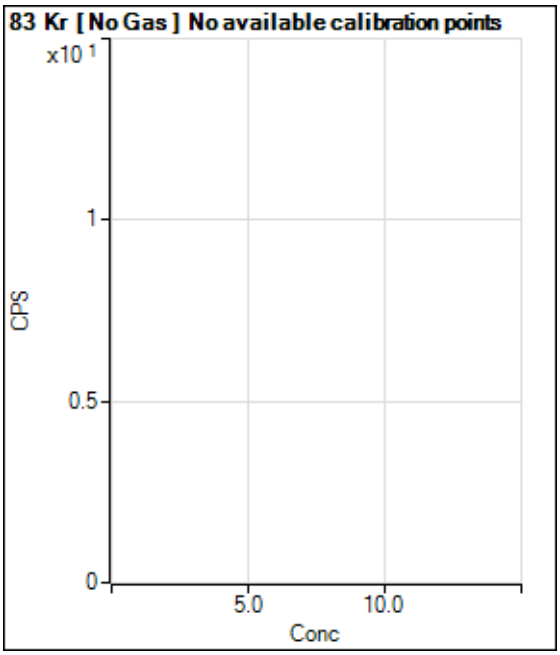
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Inst Id :P7
LB :LB136861



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	185.68	0.0000	P	16.6
2	☐	5.000	5.547	787.70	0.0001	P	10.6
3	☐	50.000	52.302	5966.63	0.0006	P	3.2
4	☐	125.000	129.509	14738.30	0.0013	P	1.9
5	☐	250.000	257.187	28635.33	0.0027	P	1.9
6	☐	500.000	513.402	57164.23	0.0053	P	4.4
7	☐	1000.000	990.821	114466.16	0.0102	P	1.3
8	☐			275.98	0.0000	P	39.9

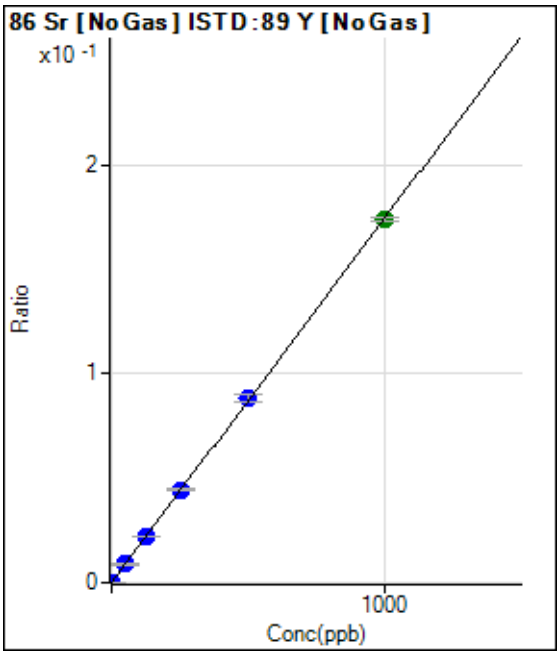
y = 1.0295E-005 * x + 1.6232E-005
R = 0.9998
DL = 0.784
BEC = 1.577

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			482.24		P	0.4
2	☐			444.46		P	9.7
3	☐			450.01		P	11.8
4	☐			500.01		P	8.1
5	☐			475.57		P	5.0
6	☐			478.91		P	7.0
7	☐			486.68		P	15.1
8	☐			502.24		P	14.3

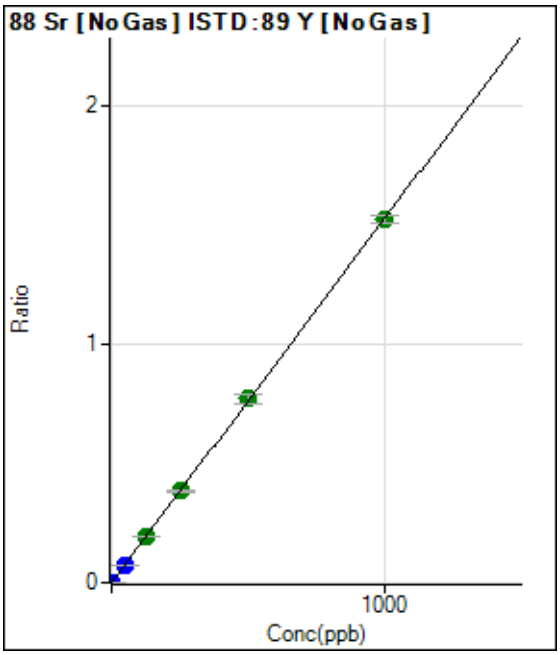
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	836.70	0.0001	P	3.5
2	☐	1.000	1.059	2769.18	0.0003	P	4.1
3	☐	50.000	50.086	94680.22	0.0088	P	1.8
4	☐	125.000	126.350	241258.24	0.0221	P	1.5
5	☐	250.000	253.419	475455.96	0.0442	P	2.1
6	☐	500.000	505.661	950851.46	0.0882	P	4.5
7	☐	1000.000	996.142	1945652.94	0.1737	A	1.1
8	☐			25285.14	0.0023	P	2.0

y = 1.7425E-004 * x + 7.3172E-005
R = 1.0000
DL = 0.04367
BEC = 0.4199

Weight: <None>
Min Conc: <None>

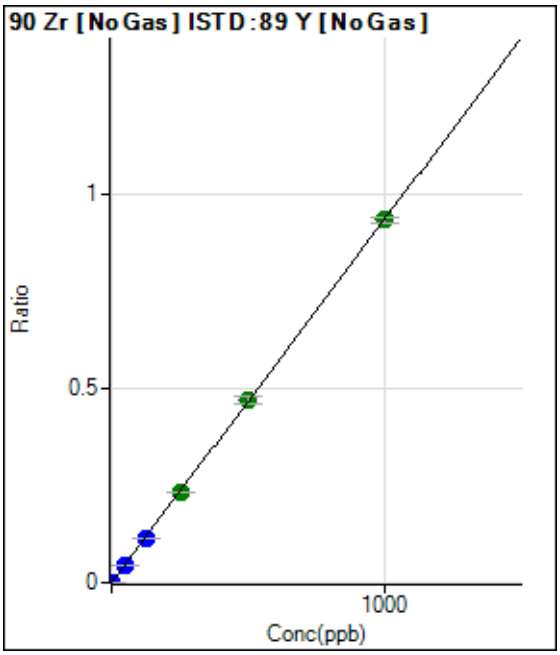


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	763.36	0.0001	P	6.8
2	☐	1.000	1.031	17639.55	0.0016	P	1.1
3	☐	50.000	49.791	818653.13	0.0761	P	0.8
4	☐	125.000	125.630	2095739.87	0.1919	A	1.6
5	☐	250.000	251.923	4135395.29	0.3847	A	2.8
6	☐	500.000	505.432	8320970.22	0.7718	A	4.8
7	☐	1000.000	996.735	17052614.74	1.5219	A	2.0
8	☐			212726.82	0.0190	P	1.7

y = 0.0015 * x + 6.6778E-005
R = 1.0000
DL = 0.008871
BEC = 0.04374

Weight: <None>
Min Conc: <None>

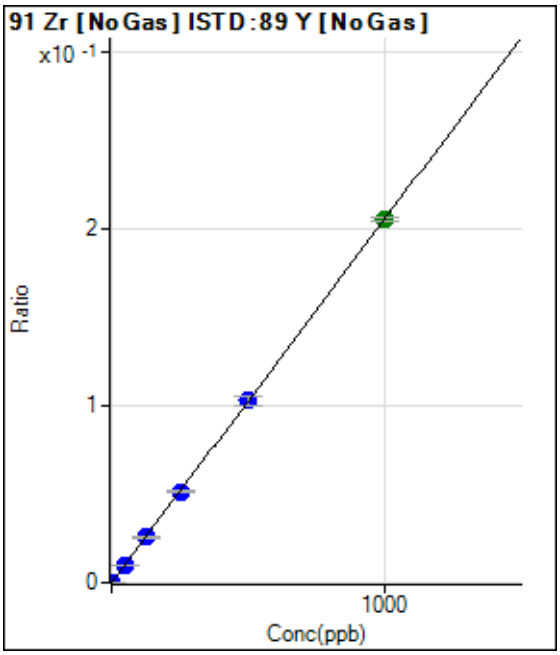
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	397.79	0.0000	P	8.5
2	☐	1.000	1.019	10586.14	0.0010	P	2.5
3	☐	50.000	49.080	492913.69	0.0458	P	1.3
4	☐	125.000	123.140	1254937.29	0.1149	P	0.7
5	☐	250.000	249.526	2502501.07	0.2328	A	1.1
6	☐	500.000	502.586	5055159.75	0.4688	A	4.5
7	☐	1000.000	999.104	10441880.40	0.9320	A	1.8
8	☐			9512.05	0.0009	P	3.2

y = 9.3278E-004 * x + 3.4801E-005
R = 1.0000
DL = 0.00956
BEC = 0.03731

Weight: <None>
Min Conc: <None>

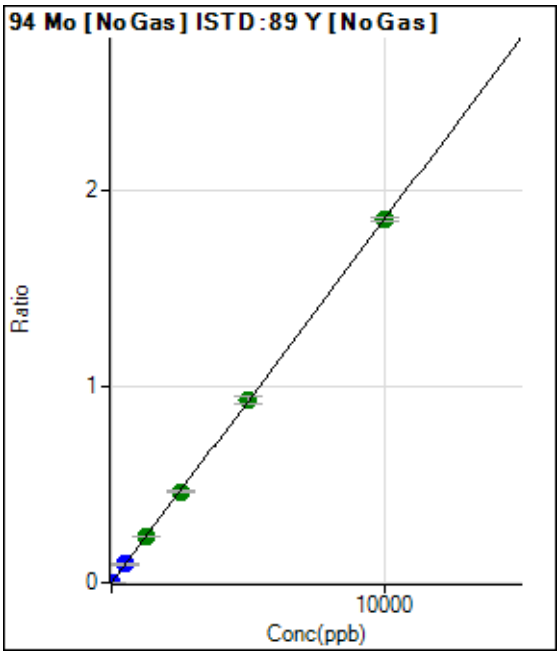


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90.00	0.0000	P	29.3
2	☐	1.000	0.974	2232.41	0.0002	P	6.2
3	☐	50.000	49.740	109992.33	0.0102	P	0.8
4	☐	125.000	124.709	279819.87	0.0256	P	1.7
5	☐	250.000	251.263	554798.77	0.0516	P	2.0
6	☐	500.000	502.431	1112501.54	0.1032	P	5.2
7	☐	1000.000	998.518	2297826.18	0.2051	A	1.1
8	☐			2095.73	0.0002	P	1.1

y = 2.0538E-004 * x + 7.8613E-006
R = 1.0000
DL = 0.03369
BEC = 0.03828

Weight: <None>
Min Conc: <None>

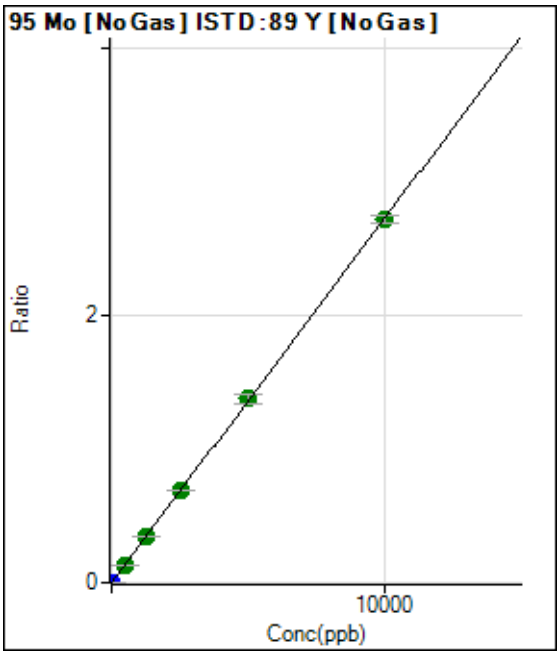
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	295.57	0.0000	P	4.0
2	☐	5.000	6.292	12809.03	0.0012	P	0.6
3	☐	500.000	503.530	1004237.76	0.0933	P	0.5
4	☐	1250.000	1265.425	2561785.13	0.2345	A	1.3
5	☐	2500.000	2510.293	5000520.00	0.4652	A	2.9
6	☐	5000.000	5026.588	10044853.53	0.9315	A	4.2
7	☐	10000.000	9982.027	20727213.86	1.8499	A	1.1
8	☐			7433.06	0.0007	P	4.1

y = 1.8532E-004 * x + 2.5838E-005
R = 1.0000
DL = 0.01683
BEC = 0.1394

Weight: <None>
Min Conc: <None>

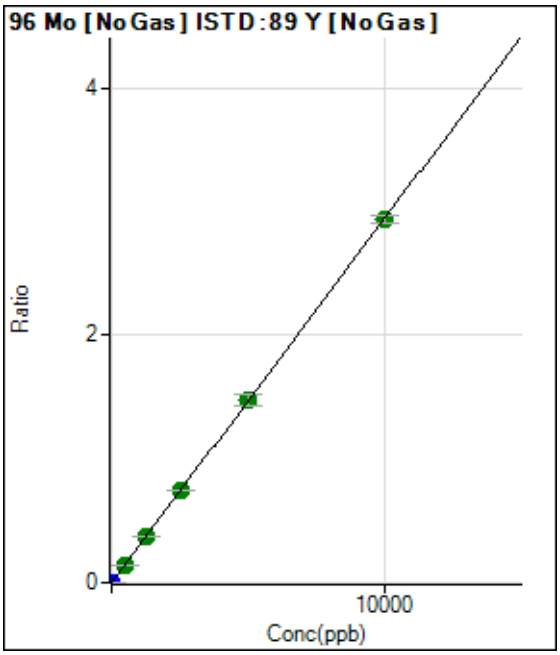


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	296.67	0.0000	P	3.9
2	☐	5.000	5.360	15962.10	0.0015	P	1.5
3	☐	500.000	497.312	1456880.43	0.1354	A	0.7
4	☐	1250.000	1273.772	3787843.66	0.3468	A	0.4
5	☐	2500.000	2534.171	7416081.49	0.6899	A	1.5
6	☐	5000.000	5046.128	14807720.19	1.3737	A	5.6
7	☐	10000.000	9965.556	30397139.82	2.7129	A	2.2
8	☐			6851.67	0.0006	P	1.8

y = 2.7223E-004 * x + 2.5936E-005
R = 1.0000
DL = 0.01121
BEC = 0.09527

Weight: <None>
Min Conc: <None>

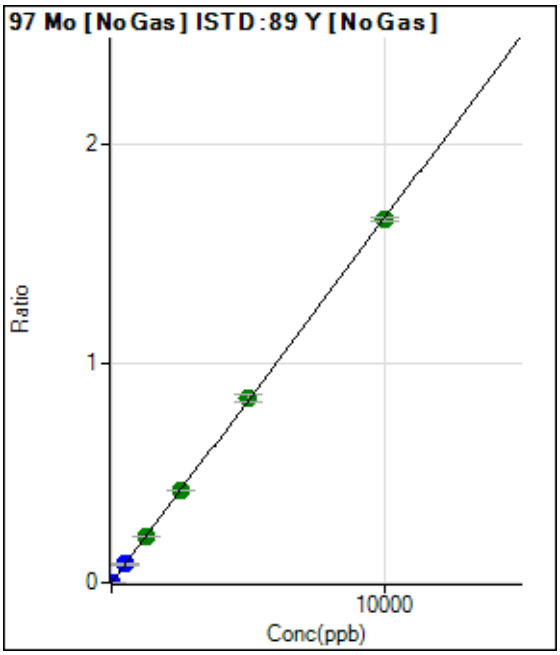
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	314.45	0.0000	P	6.6
2	☐	5.000	5.354	17223.59	0.0016	P	0.9
3	☐	500.000	492.531	1559257.03	0.1449	A	1.7
4	☐	1250.000	1272.393	4088688.65	0.3744	A	1.1
5	☐	2500.000	2545.676	8051004.95	0.7489	A	1.2
6	☐	5000.000	5038.867	15976042.54	1.4824	A	6.3
7	☐	10000.000	9966.721	32852735.62	2.9321	A	2.0
8	☐			12045.08	0.0011	P	1.1

y = 2.9419E-004 * x + 2.7507E-005
R = 1.0000
DL = 0.01857
BEC = 0.0935

Weight: <None>
Min Conc: <None>

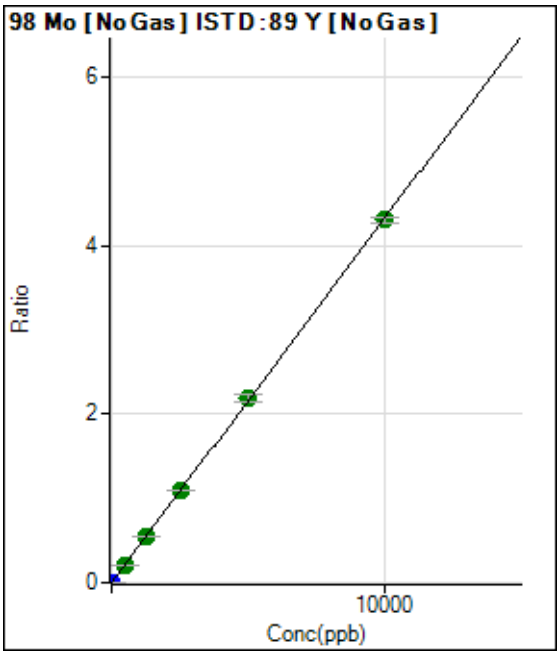


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	197.78	0.0000	P	9.7
2	☐	5.000	5.416	9840.08	0.0009	P	3.5
3	☐	500.000	502.397	896833.06	0.0834	P	1.0
4	☐	1250.000	1255.702	2275108.01	0.2083	A	2.4
5	☐	2500.000	2532.515	4516128.30	0.4201	A	1.9
6	☐	5000.000	5071.104	9069446.25	0.8413	A	5.0
7	☐	10000.000	9955.486	18505295.70	1.6515	A	0.9
8	☐			4312.89	0.0004	P	2.8

y = 1.6589E-004 * x + 1.7306E-005
R = 1.0000
DL = 0.03028
BEC = 0.1043

Weight: <None>
Min Conc: <None>

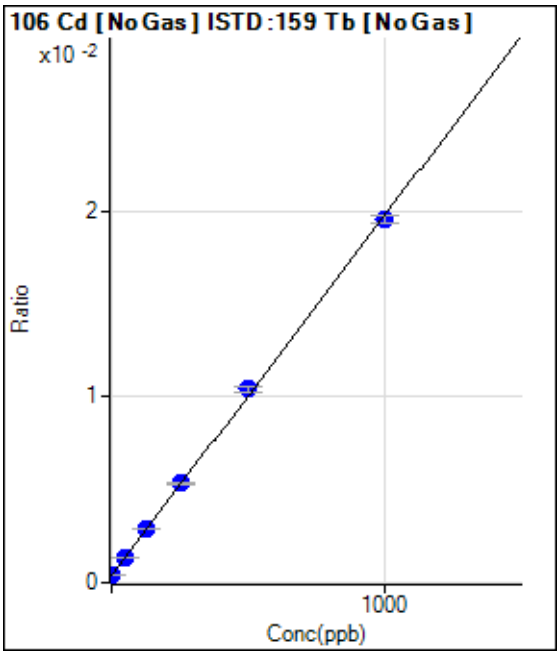
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	431.12	0.0000	P	8.6
2	☐	5.000	5.436	25635.95	0.0024	P	2.0
3	☐	500.000	489.671	2275993.94	0.2115	A	0.4
4	☐	1250.000	1259.469	5941789.28	0.5440	A	1.0
5	☐	2500.000	2532.628	11759742.88	1.0939	A	1.1
6	☐	5000.000	5063.414	23582450.20	2.1870	A	4.4
7	☐	10000.000	9959.468	48197010.39	4.3017	A	1.3
8	☐			10936.41	0.0010	P	1.0

y = 4.3192E-004 * x + 3.7697E-005
R = 1.0000
DL = 0.02249
BEC = 0.08728

Weight: <None>
Min Conc: <None>

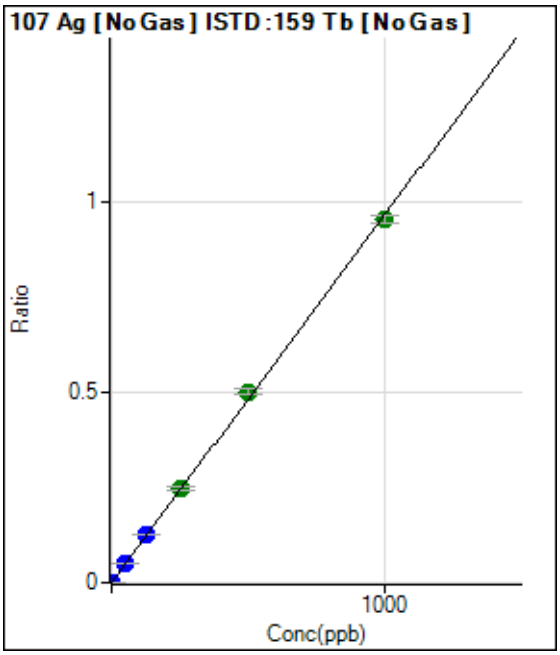


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2858.09	0.0004	P	5.6
2	☐	1.000	1.097	3080.36	0.0004	P	4.2
3	☐	50.000	52.068	10747.42	0.0014	P	0.6
4	☐	125.000	131.568	22583.24	0.0029	P	0.5
5	☐	250.000	256.378	41491.58	0.0054	P	2.4
6	☐	500.000	517.531	79611.49	0.0104	P	3.5
7	☐	1000.000	988.716	157062.06	0.0195	P	2.0
8	☐			3131.48	0.0004	P	3.4

y = 1.9381E-005 * x + 3.8224E-004
R = 0.9997
DL = 3.29
BEC = 19.72

Weight: <None>
Min Conc: <None>

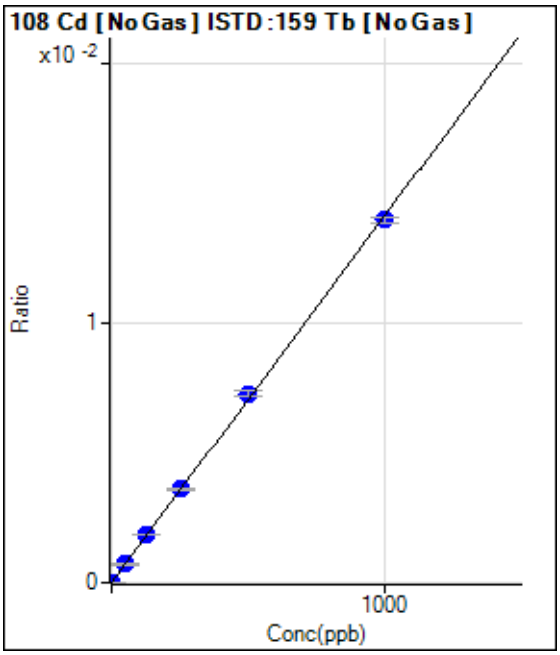
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	132.23	0.0000	P	4.5
2	☐	1.000	1.083	8120.13	0.0011	P	1.1
3	☐	50.000	50.785	378933.29	0.0491	P	1.8
4	☐	125.000	130.218	968505.96	0.1258	P	1.9
5	☐	250.000	256.128	1917844.09	0.2474	A	3.3
6	☐	500.000	520.571	3844173.48	0.5028	A	3.1
7	☐	1000.000	987.491	7663528.50	0.9537	A	2.1
8	☐			2244.67	0.0003	P	38.5

y = 9.6574E-004 * x + 1.7651E-005
R = 0.9997
DL = 0.002448
BEC = 0.01828

Weight: <None>
Min Conc: <None>

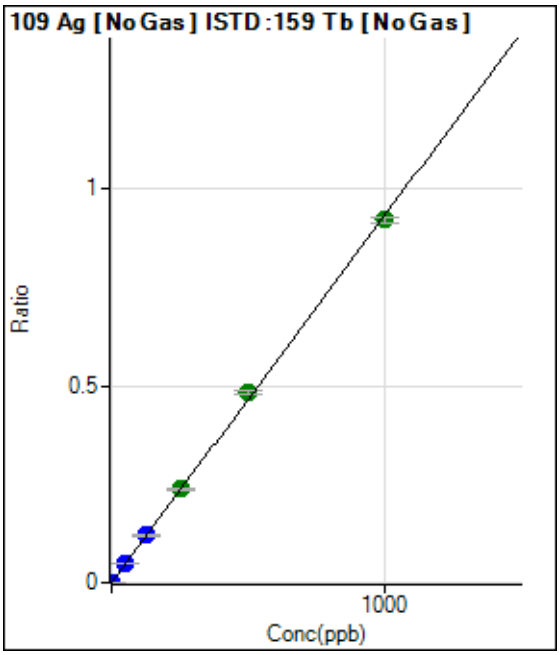


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	86.8
2	☐	1.000	1.016	118.89	0.0000	P	15.3
3	☐	50.000	50.282	5498.87	0.0007	P	2.8
4	☐	125.000	131.067	14274.91	0.0019	P	2.5
5	☐	250.000	254.516	27902.48	0.0036	P	3.3
6	☐	500.000	516.598	55845.04	0.0073	P	3.6
7	☐	1000.000	989.799	112455.22	0.0140	P	1.7
8	☐			100.00	0.0000	P	14.1

y = 1.4136E-005 * x + 1.1940E-006
R = 0.9998
DL = 0.2199
BEC = 0.08447

Weight: <None>
Min Conc: <None>

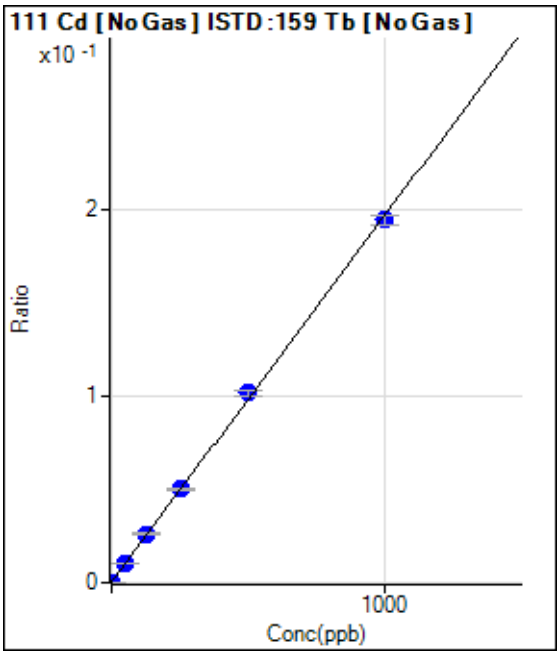
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	87.78	0.0000	P	22.1
2	☐	1.000	1.093	7875.56	0.0010	P	2.2
3	☐	50.000	50.829	366265.18	0.0474	P	2.7
4	☐	125.000	129.707	931739.15	0.1210	P	2.2
5	☐	250.000	254.865	1843718.93	0.2378	A	1.3
6	☐	500.000	518.533	3698944.46	0.4837	A	2.3
7	☐	1000.000	988.887	7412962.39	0.9225	A	1.9
8	☐			2104.63	0.0003	P	29.9

y = 9.3282E-004 * x + 1.1725E-005
R = 0.9997
DL = 0.00832
BEC = 0.01257

Weight: <None>
Min Conc: <None>

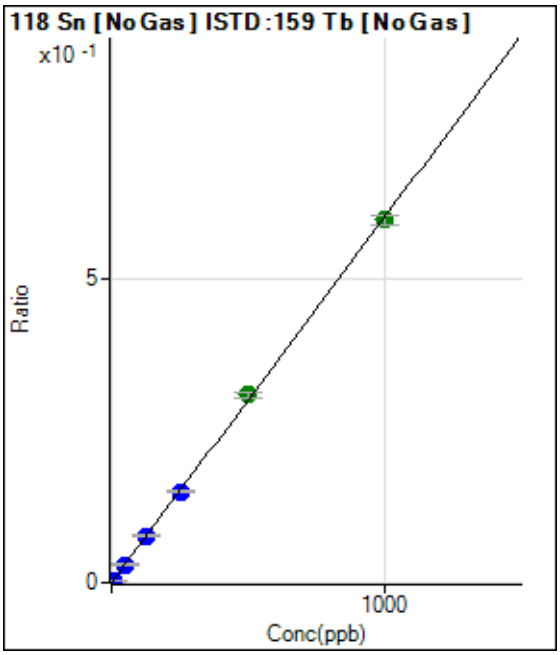


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2012.22	0.0003	P	5.9
2	☐	1.000	1.129	3749.81	0.0005	P	1.0
3	☐	50.000	51.211	79837.12	0.0103	P	2.3
4	☐	125.000	131.198	200681.52	0.0261	P	2.1
5	☐	250.000	255.352	391334.94	0.0505	P	2.4
6	☐	500.000	517.722	780305.76	0.1021	P	3.0
7	☐	1000.000	988.965	1564484.21	0.1947	P	2.3
8	☐			2996.52	0.0004	P	1.8

y = 1.9660E-004 * x + 2.6914E-004
R = 0.9997
DL = 0.2408
BEC = 1.369

Weight: <None>
Min Conc: <None>

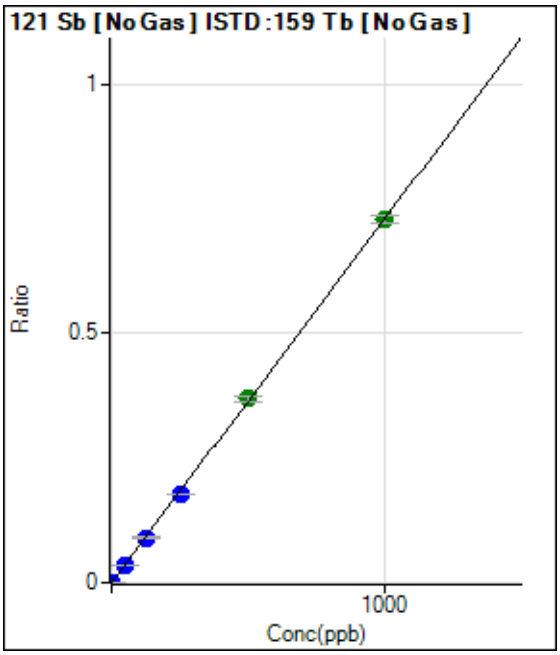
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2036.84	0.0003	P	1.7
2	☐	5.000	5.261	26213.95	0.0034	P	1.4
3	☐	50.000	49.580	232130.80	0.0301	P	1.3
4	☐	125.000	127.376	591272.48	0.0768	P	2.0
5	☐	250.000	248.694	1160375.99	0.1497	P	2.6
6	☐	500.000	513.684	2361162.02	0.3088	A	3.8
7	☐	1000.000	993.207	4795976.77	0.5969	A	2.6
8	☐			2463.57	0.0003	P	5.7

y = 6.0068E-004 * x + 2.7207E-004
R = 0.9999
DL = 0.02254
BEC = 0.4529

Weight: <None>
Min Conc: <None>

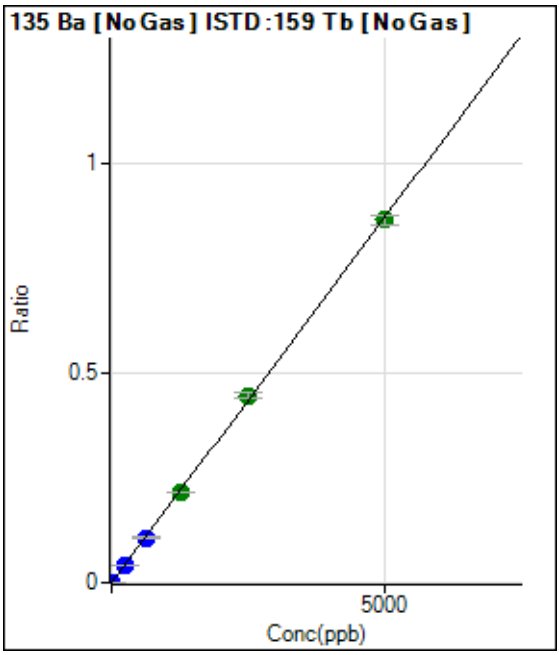


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.44	0.0000	P	15.4
2	☐	2.000	2.070	11559.18	0.0015	P	2.0
3	☐	50.000	48.637	273686.29	0.0354	P	1.7
4	☐	125.000	124.225	696828.29	0.0905	P	2.2
5	☐	250.000	243.579	1375903.43	0.1774	P	1.9
6	☐	500.000	507.270	2825392.63	0.3695	A	3.3
7	☐	1000.000	998.135	5842781.79	0.7271	A	2.1
8	☐			4773.07	0.0006	P	2.1

y = 7.2844E-004 * x + 5.9169E-006
R = 0.9999
DL = 0.00376
BEC = 0.008123

Weight: <None>
Min Conc: <None>

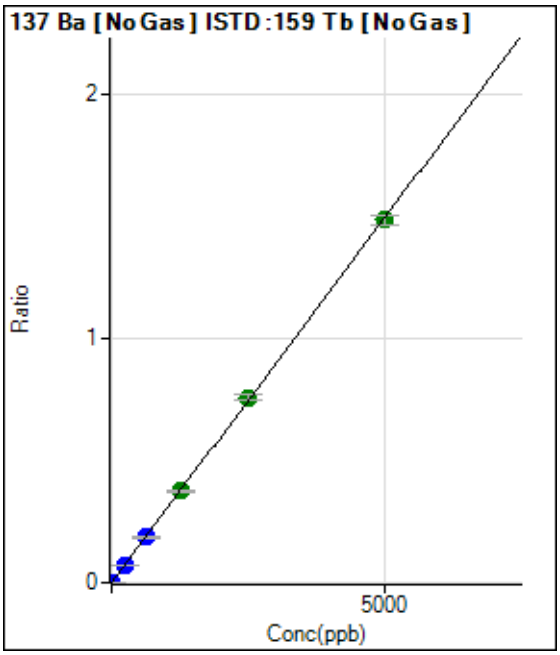
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	145.56	0.0000	P	9.4
2	☐	10.000	10.336	13910.23	0.0018	P	1.4
3	☐	250.000	238.821	321774.15	0.0417	P	2.1
4	☐	625.000	615.013	825819.51	0.1073	P	2.8
5	☐	1250.000	1238.737	1675324.28	0.2160	A	1.0
6	☐	2500.000	2567.656	3423352.69	0.4477	A	3.3
7	☐	5000.000	4970.794	6964852.53	0.8668	A	2.4
8	☐			4305.14	0.0005	P	2.5

y = 1.7437E-004 * x + 1.9492E-005
R = 0.9999
DL = 0.03144
BEC = 0.1118

Weight: <None>
Min Conc: <None>

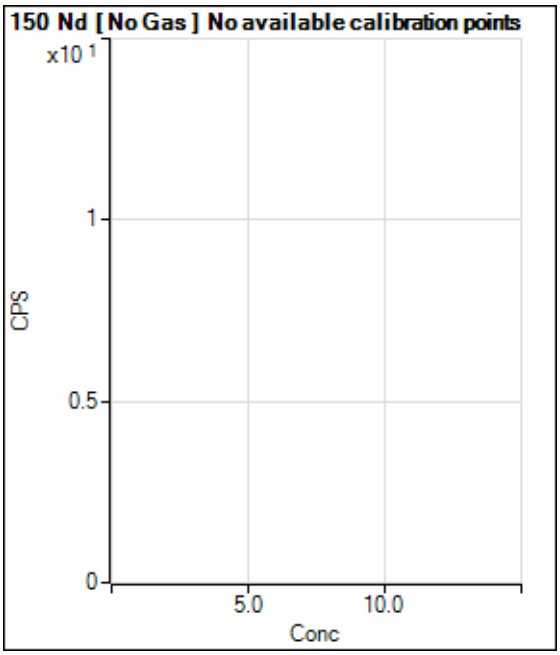


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	206.67	0.0000	P	21.7
2	☐	10.000	10.485	24087.17	0.0032	P	0.5
3	☐	250.000	244.566	563545.65	0.0730	P	0.9
4	☐	625.000	626.170	1438011.72	0.1868	P	2.4
5	☐	1250.000	1263.197	2921197.70	0.3767	A	2.2
6	☐	2500.000	2543.630	5800288.25	0.7586	A	3.0
7	☐	5000.000	4975.010	11921447.60	1.4836	A	2.5
8	☐			7659.91	0.0010	P	0.7

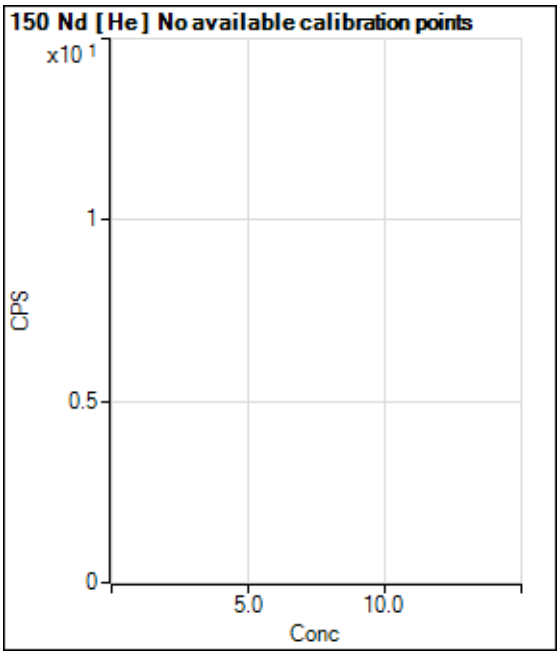
y = 2.9821E-004 * x + 2.7748E-005
R = 0.9999
DL = 0.06059
BEC = 0.09305

Weight: <None>
Min Conc: <None>

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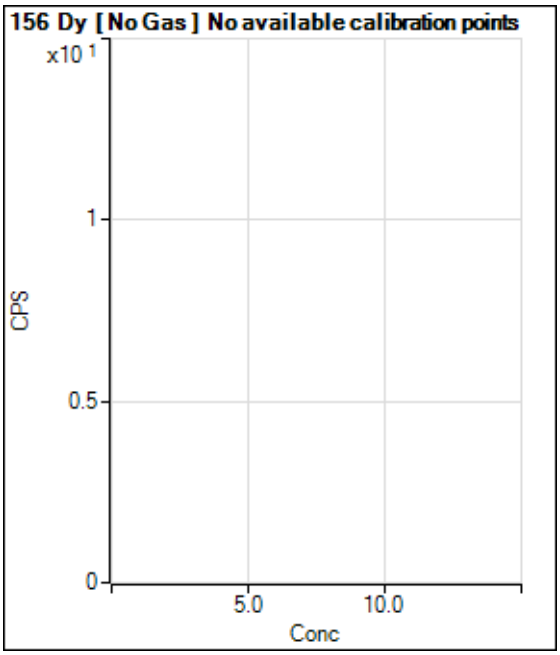


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.56		P	91.6
2	☐			6.67		P	50.0
3	☐			25.55		P	65.7
4	☐			32.22		P	6.0
5	☐			57.78		P	23.3
6	☐			113.33		P	20.6
7	☐			218.89		P	4.9
8	☐			134.45		P	5.2

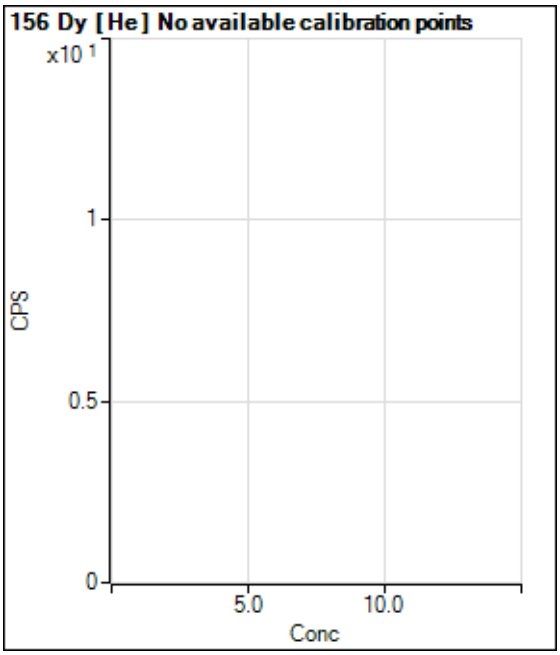


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			11.11		P	17.3
2	☐			2.22		P	173.
3	☐			7.78		P	49.5
4	☐			13.33		P	43.3
5	☐			17.78		P	54.1
6	☐			30.00		P	57.7
7	☐			78.89		P	8.8
8	☐			77.78		P	29.2

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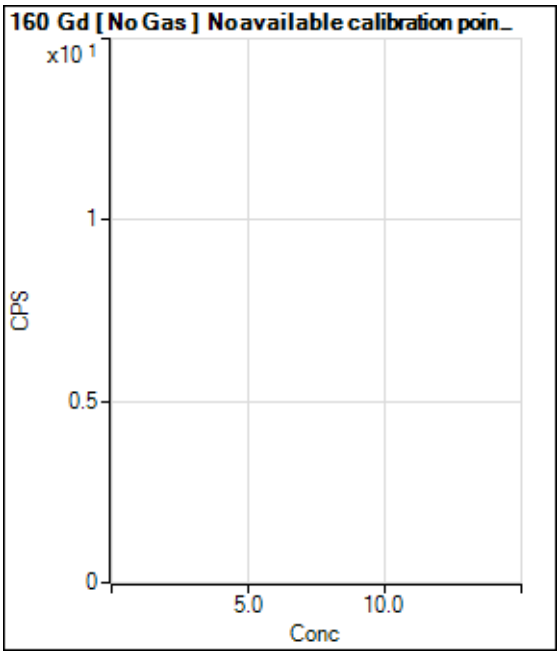


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			10.00		P	66.7
2	☐			7.78		P	107.
3	☐			12.22		P	68.7
4	☐			28.89		P	6.7
5	☐			34.44		P	29.6
6	☐			60.00		P	29.4
7	☐			147.78		P	24.3
8	☐			284.45		P	3.6

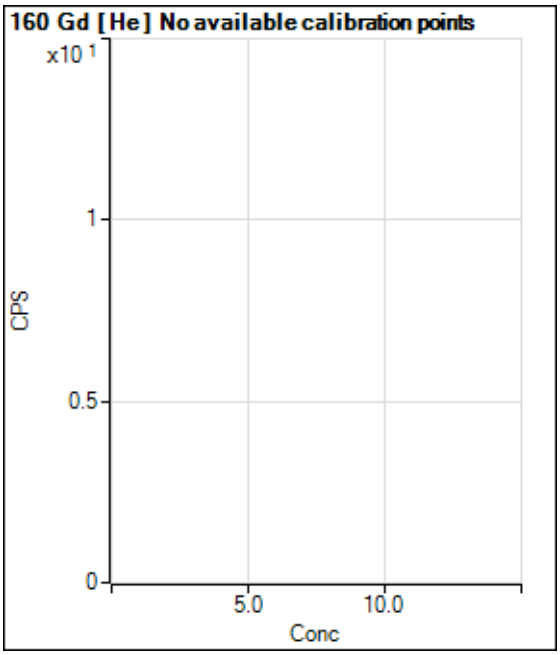


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	173.
2	☐			7.78		P	49.5
3	☐			23.33		P	28.6
4	☐			61.11		P	27.5
5	☐			106.67		P	13.6
6	☐			197.78		P	4.9
7	☐			398.90		P	3.9
8	☐			266.67		P	2.5

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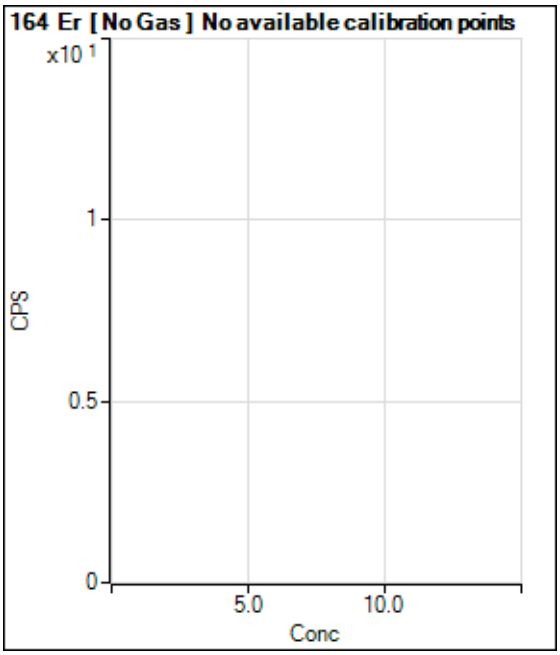


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			45.56		P	48.7
2	☐			37.78		P	65.0
3	☐			54.44		P	15.4
4	☐			71.11		P	7.2
5	☐			61.11		P	22.0
6	☐			101.11		P	24.3
7	☐			133.34		P	24.6
8	☐			371.12		P	11.7

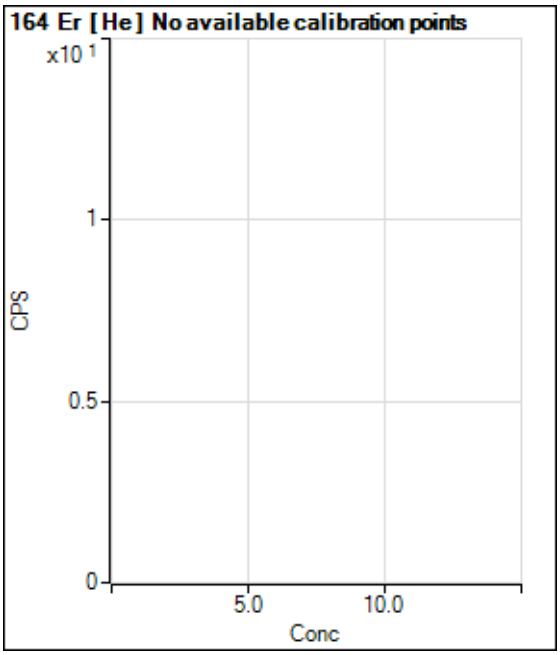


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1	☐			414.46		P	14.5
2	☐			405.57		P	3.7
3	☐			392.23		P	3.4
4	☐			431.12		P	14.0
5	☐			381.12		P	7.9
6	☐			391.12		P	11.0
7	☐			446.68		P	22.0
8	☐			593.35		P	11.4

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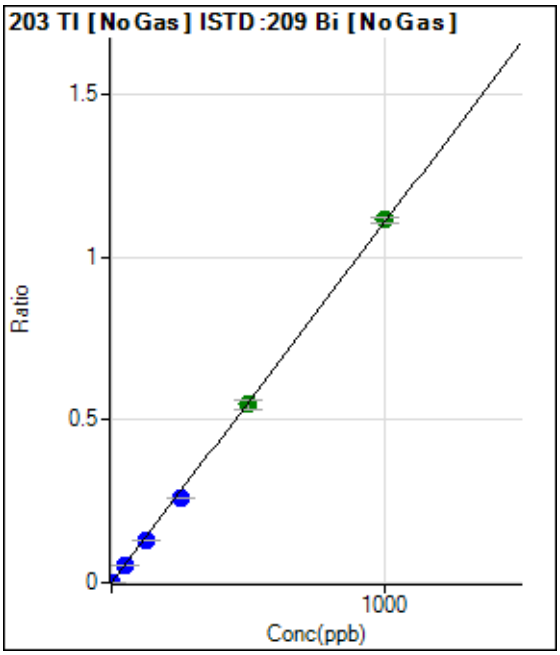


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			55.55		P	28.4
2	☐			67.78		P	10.2
3	☐			60.00		P	24.2
4	☐			77.78		P	25.8
5	☐			104.44		P	9.2
6	☐			128.89		P	29.8
7	☐			198.89		P	2.6
8	☐			643.36		P	7.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			26.67		P	12.5
2	☐			33.33		P	36.1
3	☐			55.55		P	12.5
4	☐			62.22		P	37.6
5	☐			57.78		P	32.8
6	☐			91.11		P	11.2
7	☐			180.01		P	3.2
8	☐			475.57		P	11.1

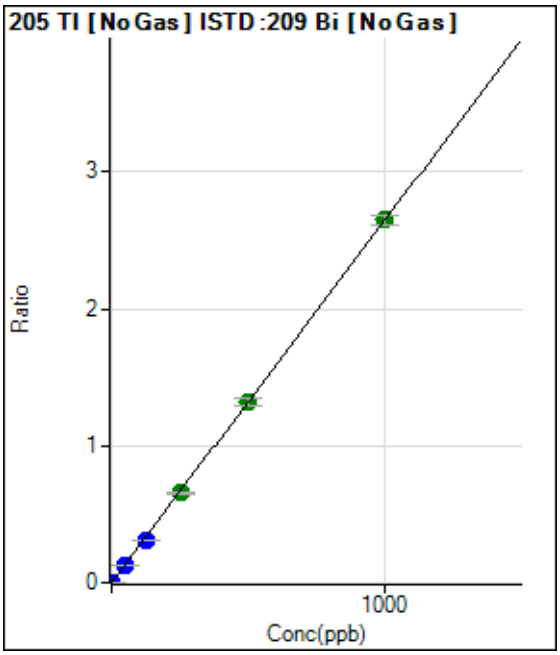
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	491.12	0.0001	P	6.2
2	☐	1.000	1.008	5657.89	0.0012	P	3.8
3	☐	50.000	46.969	248332.78	0.0521	P	0.8
4	☐	125.000	118.727	629906.06	0.1316	P	0.9
5	☐	250.000	235.451	1240389.86	0.2610	P	0.5
6	☐	500.000	495.254	2643025.73	0.5488	A	5.3
7	☐	1000.000	1006.946	5406310.09	1.1157	A	1.4
8	☐			7237.54	0.0016	P	1.7

y = 0.0011 * x + 1.0539E-004
R = 0.9999
DL = 0.01778
BEC = 0.09513

Weight: <None>
Min Conc: <None>

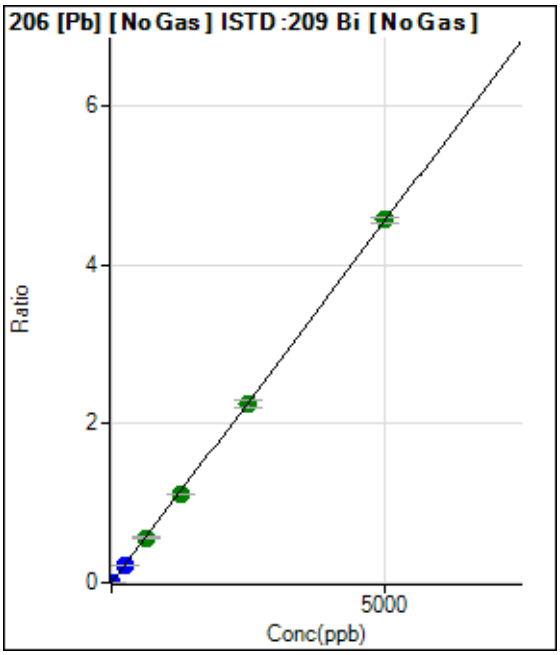


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1058.94	0.0002	P	6.2
2	☐	1.000	1.000	13279.97	0.0029	P	0.9
3	☐	50.000	46.596	587453.93	0.1233	P	1.0
4	☐	125.000	118.236	1495926.35	0.3126	P	1.6
5	☐	250.000	247.639	3111475.20	0.6545	A	2.1
6	☐	500.000	498.926	6352941.15	1.3185	A	3.8
7	☐	1000.000	1002.143	12831207.17	2.6481	A	2.8
8	☐			17158.73	0.0038	P	1.3

y = 0.0026 * x + 2.2723E-004
R = 1.0000
DL = 0.01596
BEC = 0.086

Weight: <None>
Min Conc: <None>

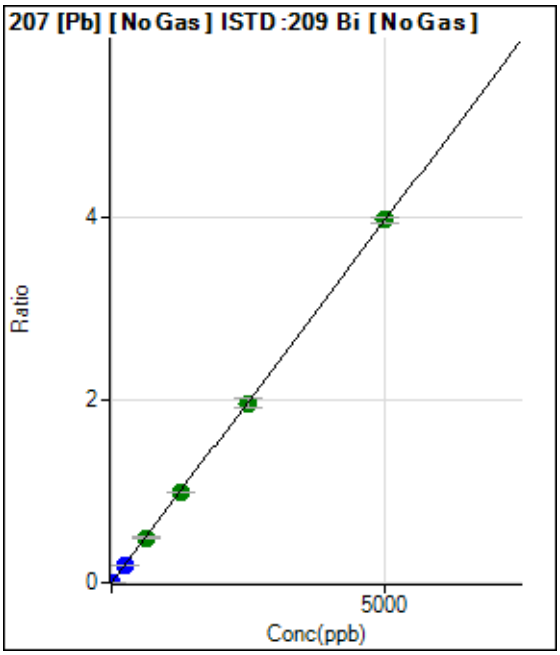
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	730.03	0.0002	P	2.9
2	☐	1.000	1.010	4970.96	0.0011	P	2.1
3	☐	250.000	233.489	1010835.11	0.2122	P	1.2
4	☐	625.000	620.060	2695583.80	0.5634	A	1.9
5	☐	1250.000	1224.246	5286699.47	1.1122	A	1.4
6	☐	2500.000	2467.839	10799250.67	2.2418	A	4.6
7	☐	5000.000	5023.962	22113909.39	4.5636	A	1.4
8	☐			6834.01	0.0015	P	1.7

y = 9.0833E-004 * x + 1.5667E-004
R = 1.0000
DL = 0.01494
BEC = 0.1725

Weight: <None>
Min Conc: <None>

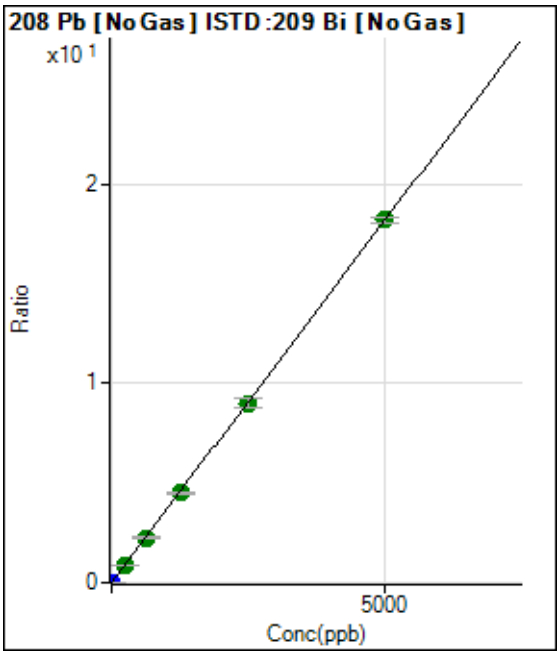


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	634.47	0.0001	P	4.4
2	☐	1.000	1.004	4306.29	0.0009	P	4.8
3	☐	250.000	231.820	873852.11	0.1835	P	1.0
4	☐	625.000	622.444	2356337.13	0.4924	A	1.0
5	☐	1250.000	1238.979	4658342.47	0.9800	A	0.4
6	☐	2500.000	2479.681	9443417.50	1.9613	A	5.9
7	☐	5000.000	5014.143	19216409.57	3.9657	A	1.8
8	☐			5946.91	0.0013	P	2.0

y = 7.9088E-004 * x + 1.3615E-004
R = 1.0000
DL = 0.02251
BEC = 0.1721

Weight: <None>
Min Conc: <None>

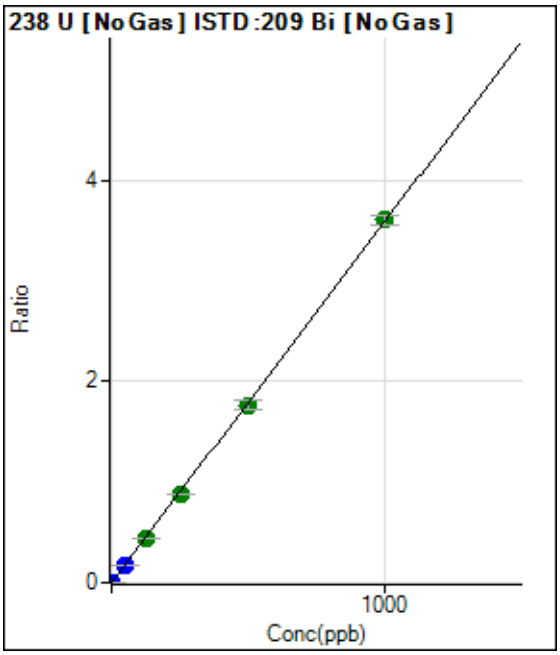
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2884.59	0.0006	P	2.0
2	☐	1.000	0.999	19641.32	0.0042	P	1.1
3	☐	250.000	237.635	4110585.89	0.8631	A	1.6
4	☐	625.000	623.673	10834128.41	2.2641	A	0.9
5	☐	1250.000	1239.547	21387228.29	4.4994	A	0.9
6	☐	2500.000	2479.440	43340352.55	8.9993	A	5.3
7	☐	5000.000	5013.677	88178067.16	18.1969	A	1.4
8	☐			27301.04	0.0060	P	2.4

y = 0.0036 * x + 6.1899E-004
R = 1.0000
DL = 0.01045
BEC = 0.1706

Weight: <None>
Min Conc: <None>

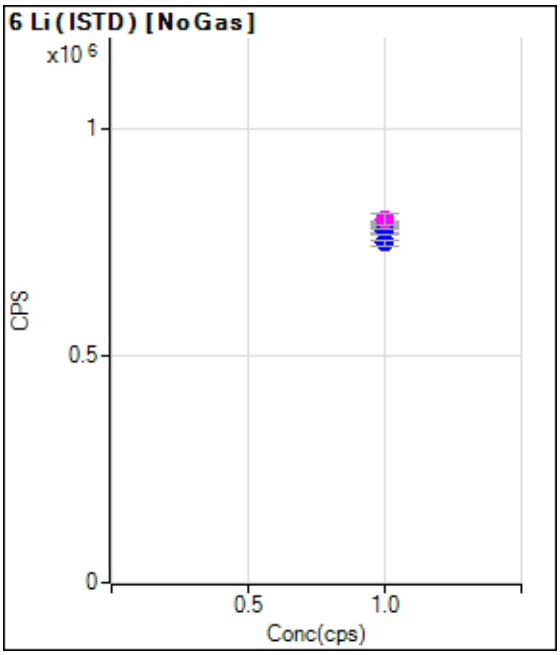


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	35.4
2	☐	1.000	1.002	16681.71	0.0036	P	2.6
3	☐	50.000	45.627	780274.89	0.1638	P	0.9
4	☐	125.000	122.277	2100844.41	0.4390	A	0.8
5	☐	250.000	245.045	4182255.63	0.8798	A	0.8
6	☐	500.000	492.546	8515777.65	1.7685	A	5.7
7	☐	1000.000	1005.525	17493707.79	3.6103	A	2.3
8	☐			1526.77	0.0003	P	2.3

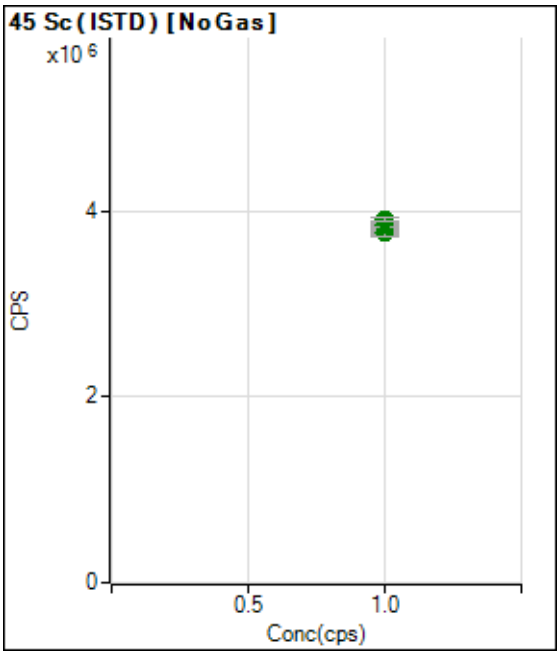
y = 0.0036 * x + 7.1369E-006
R = 0.9999
DL = 0.00211
BEC = 0.001988

Weight: <None>
Min Conc: <None>

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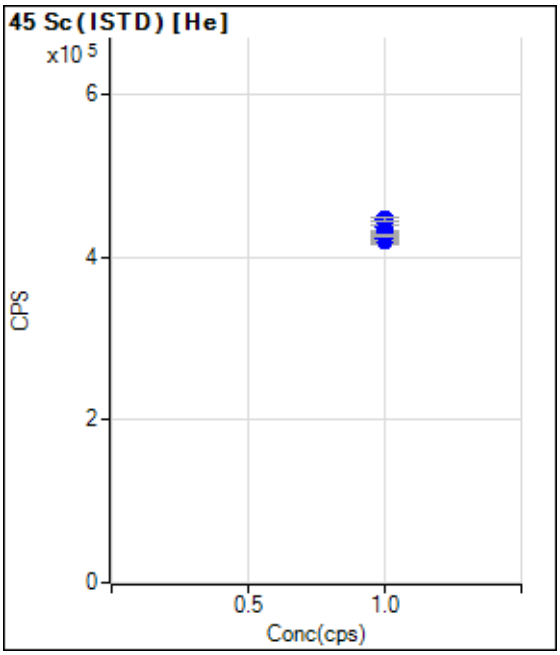


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		748123.53		P	2.0
2	☐	1.000		773543.95		P	1.2
3	☐	1.000		782676.76		P	1.1
4	☐	1.000		790869.47		P	1.2
5	☐	1.000		785626.64		P	1.1
6	☐	1.000		774382.35		P	2.3
7	☐	1.000		785867.70		P	1.5
8	☐	1.000		798716.29		M	3.2

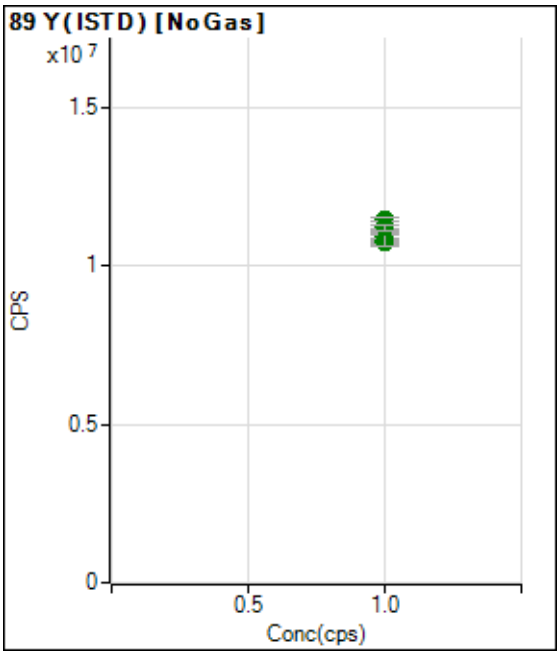


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3770144.35		A	1.0
2	☐	1.000		3789862.03		A	0.6
3	☐	1.000		3870330.43		A	0.6
4	☐	1.000		3838896.99		A	0.6
5	☐	1.000		3774175.71		A	0.2
6	☐	1.000		3770793.66		A	2.2
7	☐	1.000		3842040.85		A	1.2
8	☐	1.000		3903403.38		A	1.2

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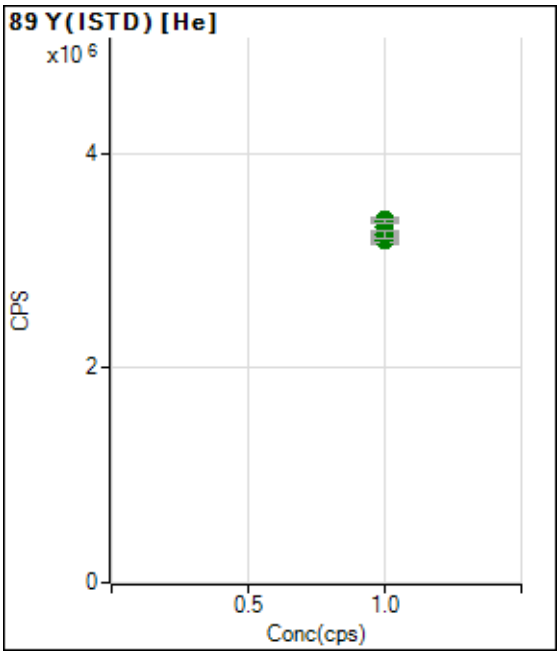


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		420191.01		P	1.2
2	☐	1.000		420611.39		P	1.7
3	☐	1.000		429337.95		P	1.0
4	☐	1.000		426723.40		P	0.9
5	☐	1.000		423106.50		P	0.8
6	☐	1.000		436359.71		P	1.1
7	☐	1.000		427346.40		P	0.5
8	☐	1.000		446108.90		P	0.9

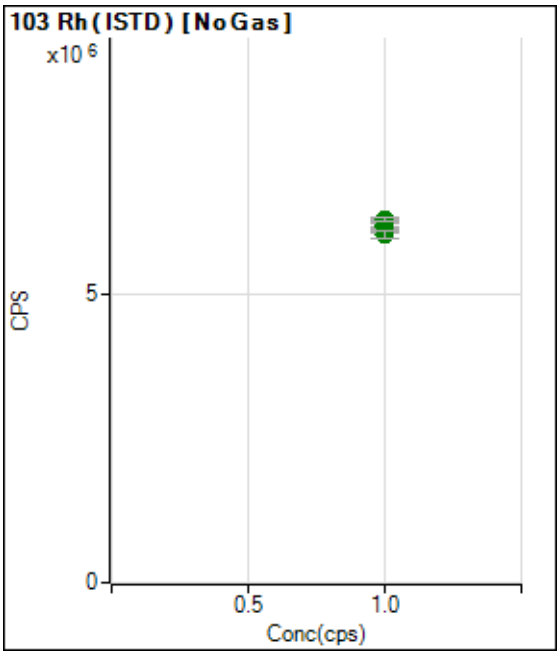


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11437602.61		A	1.2
2	☐	1.000		10747729.07		A	1.5
3	☐	1.000		10759308.94		A	1.0
4	☐	1.000		10922671.51		A	1.0
5	☐	1.000		10750853.59		A	1.2
6	☐	1.000		10794955.88		A	3.9
7	☐	1.000		11205016.50		A	1.0
8	☐	1.000		11185932.47		A	1.7

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

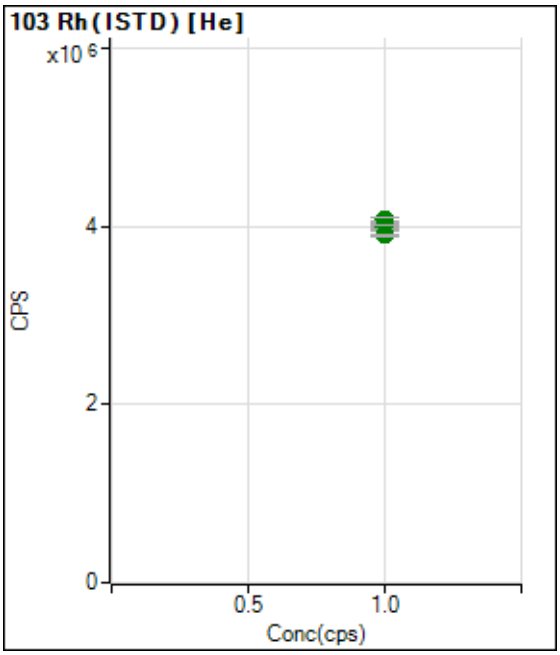


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3381893.35		A	1.1
2	☐	1.000		3195496.27		A	1.2
3	☐	1.000		3215911.83		A	1.5
4	☐	1.000		3184579.36		A	2.0
5	☐	1.000		3195784.23		A	1.4
6	☐	1.000		3313338.01		A	3.5
7	☐	1.000		3246749.78		A	1.9
8	☐	1.000		3366618.35		A	1.1

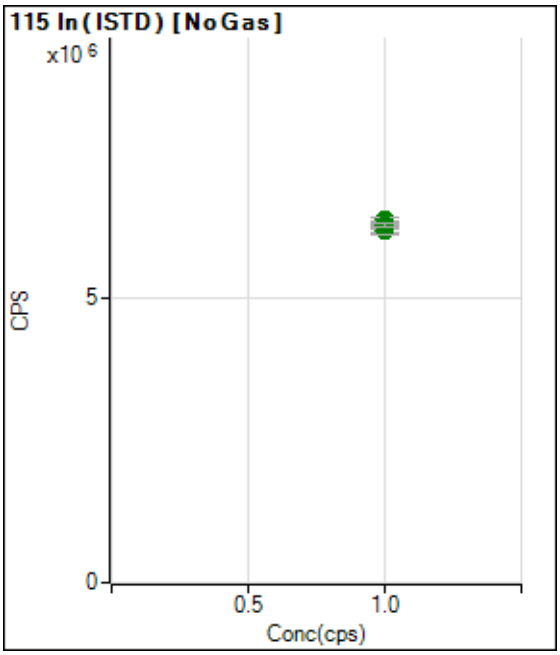


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6175629.35		A	1.7
2	☐	1.000		6174383.73		A	1.2
3	☐	1.000		6276530.60		A	0.8
4	☐	1.000		6218468.38		A	0.2
5	☐	1.000		6209017.62		A	1.3
6	☐	1.000		6178190.88		A	3.8
7	☐	1.000		6283700.74		A	1.2
8	☐	1.000		6030690.19		A	1.9

Reviewed By:jaswal
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Inst Id :P7
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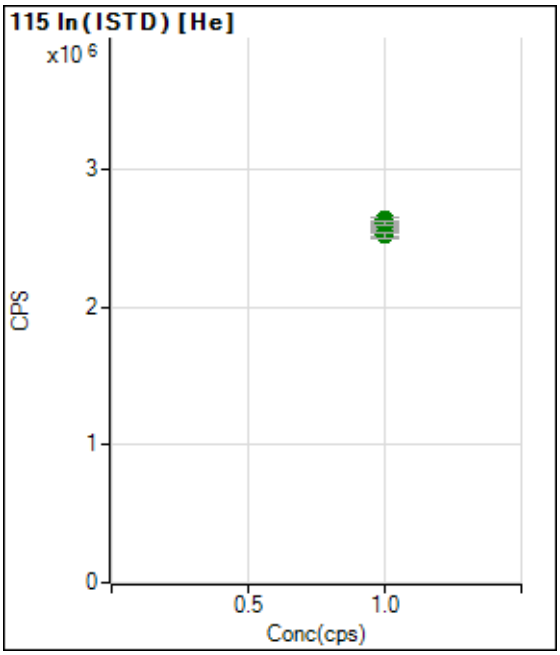


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3983387.47		A	0.4
2	☐	1.000		3963046.96		A	0.4
3	☐	1.000		4020495.22		A	1.5
4	☐	1.000		4001669.39		A	1.4
5	☐	1.000		3984416.78		A	1.0
6	☐	1.000		4072720.81		A	1.7
7	☐	1.000		3995791.82		A	1.3
8	☐	1.000		3898779.70		A	0.4

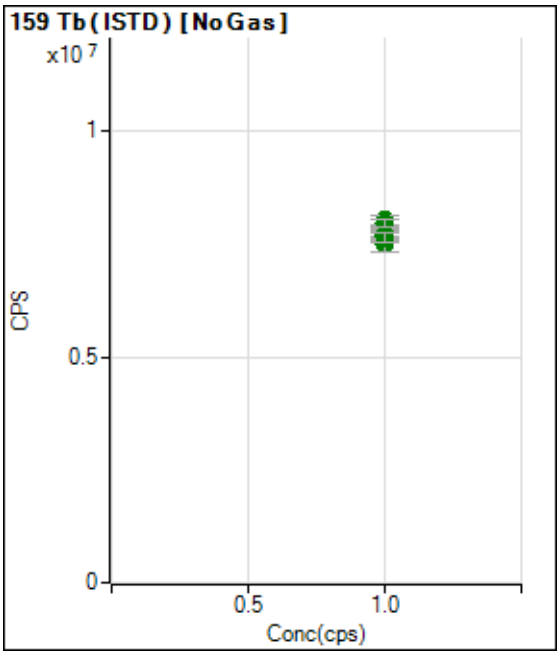


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6185882.93		A	1.3
2	☐	1.000		6228557.03		A	0.4
3	☐	1.000		6322550.16		A	0.5
4	☐	1.000		6256744.46		A	1.0
5	☐	1.000		6303319.91		A	0.9
6	☐	1.000		6202131.38		A	2.5
7	☐	1.000		6385297.32		A	0.9
8	☐	1.000		6292140.09		A	0.6

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
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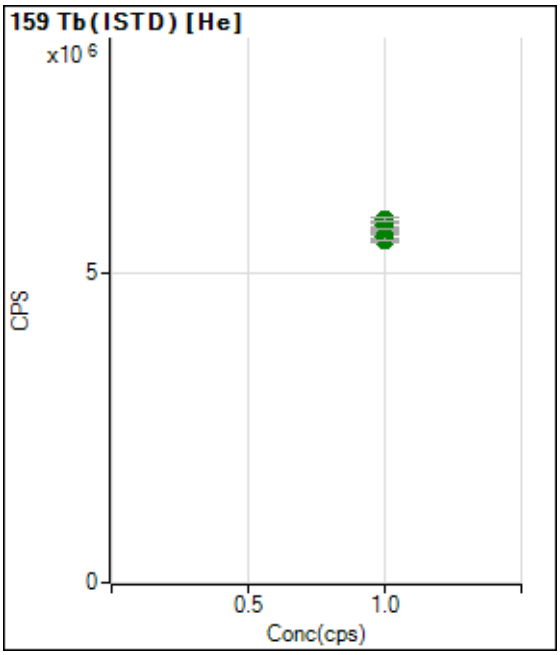


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2541458.48		A	0.6
2	☐	1.000		2531247.34		A	1.8
3	☐	1.000		2591594.99		A	0.6
4	☐	1.000		2570651.83		A	1.1
5	☐	1.000		2572539.55		A	0.6
6	☐	1.000		2630128.94		A	1.3
7	☐	1.000		2517083.90		A	1.2
8	☐	1.000		2606104.72		A	1.1

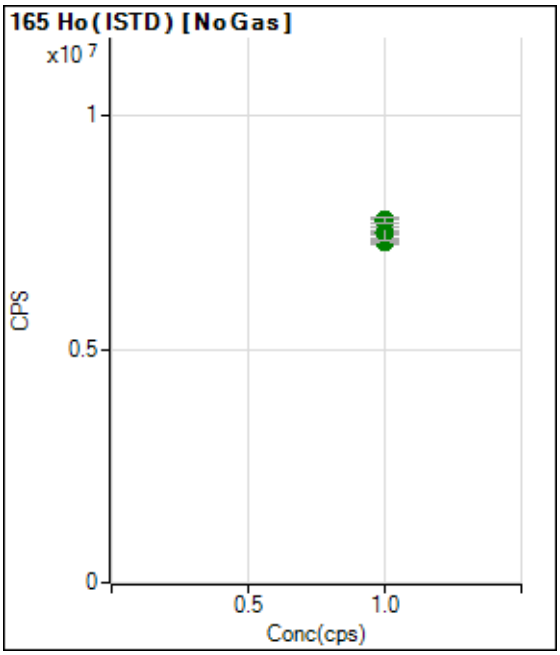


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7484825.09		A	3.7
2	☐	1.000		7636167.66		A	1.4
3	☐	1.000		7724501.00		A	1.1
4	☐	1.000		7702287.73		A	2.0
5	☐	1.000		7755921.06		A	1.8
6	☐	1.000		7649818.50		A	2.3
7	☐	1.000		8038383.56		A	2.3
8	☐	1.000		7975342.80		A	2.2

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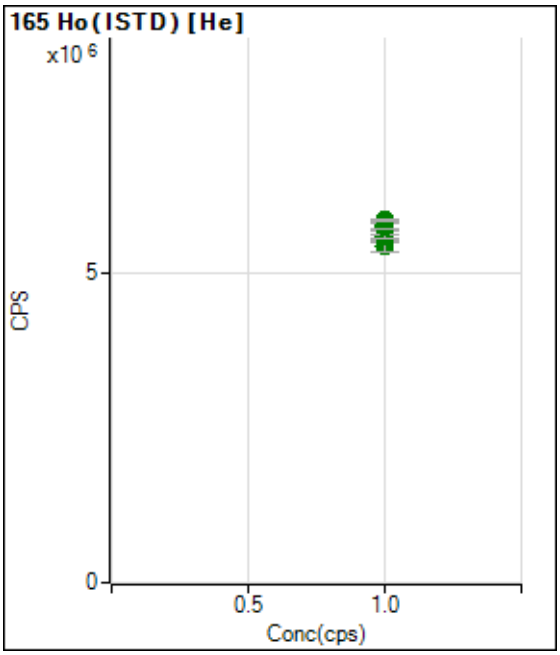


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5514585.68		A	1.3
2	☐	1.000		5519492.84		A	1.4
3	☐	1.000		5650831.72		A	1.0
4	☐	1.000		5587427.90		A	1.2
5	☐	1.000		5583165.61		A	2.2
6	☐	1.000		5702775.12		A	1.2
7	☐	1.000		5770509.98		A	1.5
8	☐	1.000		5855801.51		A	1.0

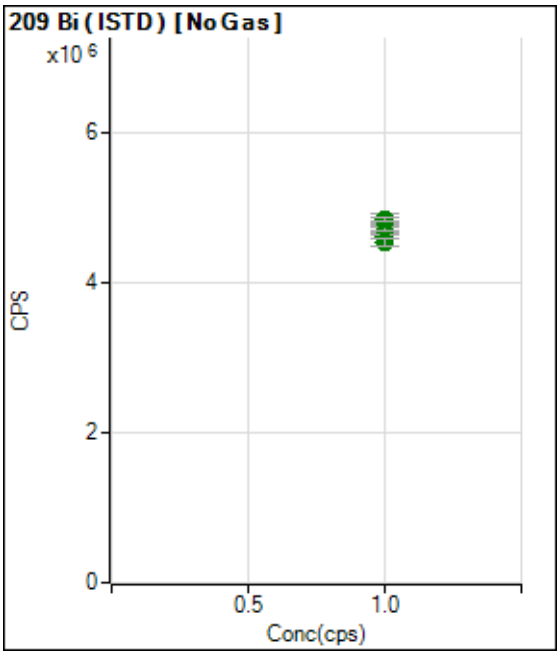


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7279091.97		A	0.8
2	☐	1.000		7341027.74		A	1.1
3	☐	1.000		7511921.21		A	1.0
4	☐	1.000		7443987.04		A	1.4
5	☐	1.000		7481026.41		A	0.7
6	☐	1.000		7490551.55		A	3.8
7	☐	1.000		7746536.00		A	0.9
8	☐	1.000		7768534.68		A	1.3

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Inst Id :P7
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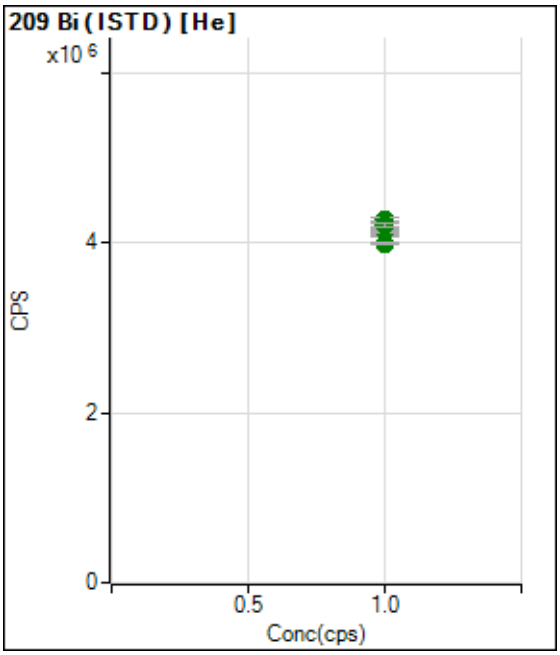


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5535984.05		A	0.6
2	☐	1.000		5448847.11		A	3.2
3	☐	1.000		5592308.81		A	1.5
4	☐	1.000		5608677.62		A	1.4
5	☐	1.000		5592626.58		A	1.2
6	☐	1.000		5773979.22		A	2.2
7	☐	1.000		5766551.09		A	1.8
8	☐	1.000		5870940.05		A	0.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4660528.26		A	0.9
2	☐	1.000		4628526.32		A	0.9
3	☐	1.000		4762895.48		A	0.6
4	☐	1.000		4785393.23		A	1.1
5	☐	1.000		4753384.41		A	0.5
6	☐	1.000		4824283.96		A	4.9
7	☐	1.000		4846296.11		A	1.2
8	☐	1.000		4540685.80		A	2.2

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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4154512.13		A	2.1
2	☐	1.000		4118972.19		A	1.7
3	☐	1.000		4209074.31		A	1.8
4	☐	1.000		4180950.32		A	0.4
5	☐	1.000		4141088.48		A	0.5
6	☐	1.000		4272960.21		A	1.6
7	☐	1.000		4213701.50		A	1.4
8	☐	1.000		3991117.16		A	0.7

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7081525-MS.b
Acq. Date-Time	2025-08-15 11:45:40
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		5335	53353.85			0.734	5.000
24		124321	1243211.78			1.282	5.000
25		15993	159929.38			1.017	5.000
26		19306	193058.70			1.231	5.000
59		76986	769862.87			0.578	5.000
113		9745	97451.74			0.726	5.000
115		113953	1139527.42			1.265	5.000
206		23801	238005.69			2.138	5.000
207		20468	204677.19			2.054	5.000
208		49920	499195.13			2.153	5.000
220		0	1.60			86.715	

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

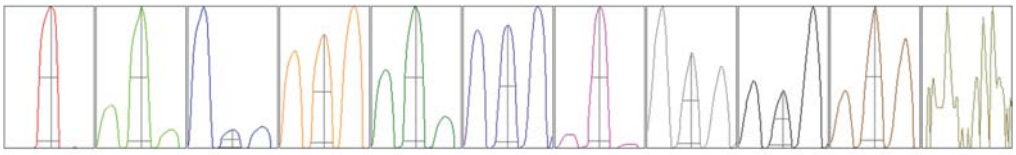
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	5327	5324	5308	5314	5404
24	121833	124144	125432	125965	124232
25	15988	15955	15822	15939	16261
26	18954	19432	19372	19571	19200
59	76818	76932	76414	77141	77626
113	9712	9653	9758	9756	9846
115	115484	111616	113900	114117	114646
206	23273	23331	24278	24355	23767
207	20068	19967	20901	20704	20699
208	48827	48798	51039	50864	50069

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	9248.66	9.10	8.90 - 9.10	
24	224233.18	24.05	23.90 - 24.10	
25	28496.85	25.00	24.90 - 25.10	
26	33453.05	26.00	25.90 - 26.10	
59	135463.21	59.00	58.90 - 59.10	
113	18775.26	113.00	112.90 - 113.10	
115	218342.94	115.00	114.90 - 115.10	
206	47970.86	206.00	205.90 - 206.10	
207	41239.38	207.00	206.90 - 207.10	
208	100630.97	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.735	0.900	
24	0.60	0.778	0.900	
25	0.60	0.733	0.900	
26	0.62	0.741	0.900	
59	0.60	0.739	0.900	
113	0.53	0.762	0.900	
115	0.52	0.735	0.900	
206	0.52	0.762	0.900	
207	0.51	0.774	0.900	
208	0.51	0.778	0.900	
220				

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

Tune Parameters

Plasma Parameters

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

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Inst Id :P7
LB :LB136861

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	7.8 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	170 V		

QP Parameters

Mass Gain	137	Axis Gain	0.9974	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.16		

Hardware Settings

Torch

Torch H	-1.9 mm	Torch V	0.2 mm

EM

Discriminator	4.7 mV	Analog HV	2292 V	Pulse HV	1180 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		30146	301463.73			0.636	
89		80973	809733.29			1.449	
205		28684	286843.46			1.266	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	30159	30213	30407	30069	29884
89	79982	81496	82435	79577	81377
205	29221	28788	28718	28363	28332

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	9.9 V	Deflect	3.0 V

US EPA Tune Check Report

Extract 2	-195.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-95 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	137	Axis Gain	0.9974	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.16		

Hardware Settings

Torch

Torch H	-1.9 mm	Torch V	0.2 mm		

EM

Discriminator	4.7 mV	Analog HV	2292 V	Pulse HV	1180 V

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:34:51	DataFile Name :	002CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.27	0.36	-0.09	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.01	0.00	0.00	N/A	ppb
Barium	135-1	-0.01	0.00	0.01	0.00	N/A	ppb
Barium	137-1	-0.02	0.00	0.02	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	-0.08	0.05	0.00	N/A	ppb
Cadmium	106-1	-0.14	-1.02	1.16	0.00	N/A	ppb
Cadmium	111-1	-0.02	-0.07	0.09	0.00	N/A	ppb
Calcium	43-1	-0.52	0.55	-0.04	0.00	N/A	ppb
Calcium	44-1	-3.63	0.45	3.18	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.07	0.01	0.06	0.00	N/A	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	N/A	ppb
Copper	63-2	0.00	-0.02	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	0.28	-0.14	-0.14	0.00	N/A	ppb
Iron	57-2	-0.43	0.87	-0.45	0.00	N/A	ppb
Iron	54-2	-0.34	0.51	-0.17	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:34:51	DataFile Name :	002CALB.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	0.00	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.18	-0.35	0.53	0.00	N/A	ppb
Manganese	55-2	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	97-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.01	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.04	-0.02	0.00	N/A	ppb
Phosphorus	31-2	-17.46	-14.84	-16.31	-16.20		ppb
Potassium	39-2	-2.15	-1.18	3.32	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.16	-0.30	0.14	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.14	0.46	-0.31	0.00	N/A	ppb
Silicon	28-1	-0.59	0.16	0.43	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	-0.63	0.09	0.54	0.00	N/A	ppb
Strontium	86-1	-0.01	-0.01	0.02	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-141.32	24.22	-27.41	-48.17		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.01	0.00	-0.01	0.00	N/A	ppb
Thallium	205-1	-0.01	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.01	-0.01	0.00	0.00	N/A	ppb
Titanium	47-1	-0.03	0.01	0.02	0.00	N/A	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:34:51	DataFile Name :	002CALB.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	-0.01	0.00	0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.14	-0.01	0.16	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.01	-0.01	0.00	N/A	ppb

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:48:25	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.68	19.37	19.21	19.42	1.23	ppb
Antimony	121-1	2.06	2.03	2.12	2.07	2.03	ppb
Arsenic	75-2	1.16	1.04	1.05	1.08	6.15	ppb
Barium	135-1	10.23	10.28	10.50	10.34	1.37	ppb
Barium	137-1	10.43	10.52	10.51	10.48	0.46	ppb
Beryllium	9-1	1.13	1.22	1.07	1.14	6.35	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.13	1.09	0.82	1.02	16.58	ppb
Cadmium	106-1	0.67	0.53	2.09	1.10	79.00	ppb
Cadmium	111-1	1.16	1.10	1.13	1.13	2.32	ppb
Calcium	43-1	573.08	584.85	574.20	577.38	1.13	ppb
Calcium	44-1	569.28	579.15	575.41	574.61	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.05	2.28	2.15	2.16	5.26	ppb
Cobalt	59-2	1.13	1.17	1.15	1.15	1.71	ppb
Copper	63-2	2.04	2.10	2.13	2.09	2.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	55.54	57.94	57.91	57.13	2.41	ppb
Iron	57-2	62.77	55.00	58.30	58.69	6.65	ppb
Iron	54-2	57.09	59.10	58.21	58.13	1.73	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:48:25	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.00	1.04	0.99	1.01	2.41	ppb
Lead	207-1	0.97	0.97	1.07	1.00	5.62	ppb
Lead	208-1	1.01	0.99	1.00	1.00	1.34	ppb
Lithium	6-1				103		%
Magnesium	24-2	527.51	532.16	533.35	531.01	0.58	ppb
Manganese	55-2	1.01	1.03	0.99	1.01	1.60	ppb
Molybdenum	94-1	6.32	6.25	6.31	6.29	0.64	ppb
Molybdenum	95-1	5.43	5.28	5.37	5.36	1.48	ppb
Molybdenum	96-1	5.30	5.39	5.37	5.35	0.92	ppb
Molybdenum	97-1	5.20	5.57	5.48	5.42	3.52	ppb
Molybdenum	98-1	5.35	5.39	5.56	5.44	2.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	0.98	1.01	1.01	2.98	ppb
Phosphorus	31-2	10.95	21.98	15.67	16.20	34.16	ppb
Potassium	39-2	562.28	584.74	571.23	572.75	1.97	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	5.61	4.76	6.27	5.55	13.65	ppb
Selenium	77-2	6.74	6.83	3.30	5.62	35.75	ppb
Selenium	78-2	6.69	6.99	7.80	7.16	8.01	ppb
Silicon	28-1	0.18	0.84	0.48	0.50	65.97	ppb
Silver	107-1	1.09	1.07	1.09	1.08	1.10	ppb
Silver	109-1	1.09	1.07	1.12	1.09	2.25	ppb
Sodium	23-2	541.37	557.09	548.64	549.03	1.43	ppb
Strontium	86-1	1.00	1.05	1.12	1.06	5.72	ppb
Strontium	88-1	1.02	1.04	1.04	1.03	1.12	ppb
Sulfur	34-1	13.85	123.57	7.10	48.17	135.73	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	1.06	0.98	0.99	1.01	4.13	ppb
Thallium	205-1	1.00	0.99	1.01	1.00	0.97	ppb
Tin	118-1	5.34	5.25	5.19	5.26	1.50	ppb
Titanium	47-1	5.21	5.39	5.18	5.26	2.15	ppb

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Inst Id :P7
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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:48:25	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.02	0.97	1.01	1.00	2.58	ppb
Vanadium	51-2	5.52	5.50	5.55	5.52	0.41	ppb
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	4.55	4.41	4.53	4.50	1.73	ppb
Zirconium	90-1	1.01	1.00	1.05	1.02	2.63	ppb
Zirconium	91-1	0.92	0.96	1.04	0.97	6.39	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:51:42	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	996.12	991.36	1002.36	996.61	0.55	ppb
Antimony	121-1	47.94	49.56	48.41	48.64	1.72	ppb
Arsenic	75-2	51.55	50.29	50.46	50.77	1.35	ppb
Barium	135-1	234.76	244.44	237.27	238.82	2.10	ppb
Barium	137-1	242.19	246.44	245.06	244.57	0.89	ppb
Beryllium	9-1	51.98	51.66	52.87	52.17	1.21	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	49.71	51.87	49.26	50.28	2.78	ppb
Cadmium	106-1	51.63	52.08	52.49	52.07	0.82	ppb
Cadmium	111-1	50.28	52.60	50.75	51.21	2.39	ppb
Calcium	43-1	5362.11	5301.51	5291.97	5318.53	0.72	ppb
Calcium	44-1	4983.33	4992.59	5140.78	5038.90	1.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.19	50.44	50.43	50.02	1.43	ppb
Cobalt	59-2	49.94	49.03	50.86	49.94	1.83	ppb
Copper	63-2	505.44	497.13	510.05	504.21	1.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	2602.28	2602.85	2641.22	2615.45	0.85	ppb
Iron	57-2	2704.31	2675.82	2742.17	2707.43	1.23	ppb
Iron	54-2	2797.92	2782.50	2826.58	2802.33	0.80	ppb
Krypton	83-1						cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:51:42	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	235.87	234.20	230.40	233.49	1.20	ppb
Lead	207-1	232.64	233.64	229.18	231.82	1.01	ppb
Lead	208-1	237.16	241.55	234.20	237.63	1.56	ppb
Lithium	6-1				105		%
Magnesium	24-2	5064.74	5121.42	5095.66	5093.94	0.56	ppb
Manganese	55-2	499.45	493.56	503.79	498.93	1.03	ppb
Molybdenum	94-1	500.88	503.80	505.91	503.53	0.50	ppb
Molybdenum	95-1	493.75	500.14	498.05	497.31	0.66	ppb
Molybdenum	96-1	483.50	499.41	494.68	492.53	1.66	ppb
Molybdenum	97-1	497.43	502.21	507.56	502.40	1.01	ppb
Molybdenum	98-1	488.64	491.93	488.44	489.67	0.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	50.20	50.37	52.07	50.88	2.03	ppb
Phosphorus	31-2	982.24	951.79	968.74	967.59	1.58	ppb
Potassium	39-2	2624.45	2616.67	2686.09	2642.40	1.44	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	50.87	51.80	54.24	52.30	3.33	ppb
Selenium	77-2	50.53	45.59	50.38	48.84	5.75	ppb
Selenium	78-2	52.83	53.93	48.80	51.85	5.21	ppb
Silicon	28-1	62.42	64.42	64.45	63.76	1.83	ppb
Silver	107-1	49.81	51.68	50.86	50.78	1.85	ppb
Silver	109-1	49.26	51.80	51.42	50.83	2.69	ppb
Sodium	23-2	5185.19	5195.98	5281.60	5220.92	1.01	ppb
Strontium	86-1	49.13	50.20	50.93	50.09	1.80	ppb
Strontium	88-1	49.33	49.91	50.14	49.79	0.83	ppb
Sulfur	34-1	907.40	906.79	967.45	927.21	3.76	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	47.21	47.16	46.54	46.97	0.80	ppb
Thallium	205-1	46.89	46.85	46.05	46.60	1.02	ppb
Tin	118-1	48.89	50.21	49.64	49.58	1.33	ppb
Titanium	47-1	482.22	481.74	484.56	482.84	0.31	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:51:42	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	45.79	45.91	45.18	45.63	0.85	ppb
Vanadium	51-2	48.99	48.76	49.39	49.04	0.65	ppb
Yttrium	89-1				94		%
Yttrium	89-2				95		%
Zinc	66-2	514.14	507.92	522.71	514.92	1.44	ppb
Zirconium	90-1	48.37	49.27	49.60	49.08	1.30	ppb
Zirconium	91-1	49.49	49.50	50.23	49.74	0.85	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:54:53	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2517.06	2551.95	2564.30	2544.44	0.96	ppb
Antimony	121-1	121.75	127.08	123.85	124.22	2.16	ppb
Arsenic	75-2	126.77	125.85	128.70	127.11	1.15	ppb
Barium	135-1	600.31	633.87	610.86	615.01	2.79	ppb
Barium	137-1	610.49	640.08	627.94	626.17	2.38	ppb
Beryllium	9-1	128.56	129.56	127.12	128.42	0.95	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	127.43	133.52	132.25	131.07	2.45	ppb
Cadmium	106-1	130.64	132.11	131.96	131.57	0.61	ppb
Cadmium	111-1	128.11	133.67	131.80	131.20	2.16	ppb
Calcium	43-1	13582.66	13785.25	13660.92	13676.28	0.75	ppb
Calcium	44-1	12901.24	13200.65	12903.21	13001.70	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	126.66	129.00	127.14	127.60	0.97	ppb
Cobalt	59-2	126.78	128.32	126.43	127.18	0.79	ppb
Copper	63-2	1249.82	1320.73	1260.77	1277.11	2.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	6610.46	6777.37	6613.75	6667.19	1.43	ppb
Iron	57-2	6829.26	7040.73	6786.57	6885.52	1.98	ppb
Iron	54-2	7064.65	7099.11	7084.26	7082.67	0.24	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:54:53	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	606.57	628.50	625.11	620.06	1.90	ppb
Lead	207-1	620.44	617.76	629.13	622.44	0.95	ppb
Lead	208-1	617.67	628.77	624.58	623.67	0.90	ppb
Lithium	6-1				106		%
Magnesium	24-2	13165.97	13108.00	13182.43	13152.13	0.30	ppb
Manganese	55-2	1215.10	1291.07	1267.76	1257.98	3.09	ppb
Molybdenum	94-1	1246.89	1270.65	1278.74	1265.43	1.31	ppb
Molybdenum	95-1	1269.51	1272.35	1279.46	1273.77	0.40	ppb
Molybdenum	96-1	1281.08	1279.57	1256.53	1272.39	1.08	ppb
Molybdenum	97-1	1252.28	1287.01	1227.81	1255.70	2.37	ppb
Molybdenum	98-1	1257.52	1273.26	1247.62	1259.47	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.21	130.53	130.70	129.81	1.07	ppb
Phosphorus	31-2	2572.29	2551.29	2504.04	2542.54	1.37	ppb
Potassium	39-2	6487.45	6660.94	6453.24	6533.88	1.70	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	129.23	132.14	127.15	129.51	1.94	ppb
Selenium	77-2	134.24	133.57	125.66	131.16	3.64	ppb
Selenium	78-2	133.77	133.50	136.35	134.54	1.17	ppb
Silicon	28-1	142.03	147.85	142.77	144.22	2.20	ppb
Silver	107-1	128.02	132.87	129.75	130.22	1.89	ppb
Silver	109-1	127.42	132.94	128.75	129.71	2.22	ppb
Sodium	23-2	13230.83	13311.10	13582.90	13374.94	1.38	ppb
Strontium	86-1	126.39	128.24	124.43	126.35	1.51	ppb
Strontium	88-1	124.75	127.88	124.25	125.63	1.57	ppb
Sulfur	34-1	2585.02	2644.03	2515.13	2581.39	2.50	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	117.66	119.71	118.81	118.73	0.87	ppb
Thallium	205-1	116.27	120.06	118.38	118.24	1.61	ppb
Tin	118-1	125.70	130.36	126.07	127.38	2.03	ppb
Titanium	47-1	1237.40	1247.89	1229.87	1238.39	0.73	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:54:53	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	121.14	122.63	123.07	122.28	0.83	ppb
Vanadium	51-2	123.97	126.49	123.68	124.72	1.24	ppb
Yttrium	89-1				95		%
Yttrium	89-2				94		%
Zinc	66-2	1307.00	1313.11	1287.93	1302.68	1.01	ppb
Zirconium	90-1	123.09	124.00	122.33	123.14	0.68	ppb
Zirconium	91-1	125.68	126.19	122.26	124.71	1.71	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:57:53	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5037.90	5065.59	5025.50	5043.00	0.41	ppb
Antimony	121-1	240.03	248.75	241.95	243.58	1.88	ppb
Arsenic	75-2	255.69	256.97	256.35	256.34	0.25	ppb
Barium	135-1	1224.30	1242.50	1249.41	1238.74	1.05	ppb
Barium	137-1	1234.31	1291.05	1264.23	1263.20	2.25	ppb
Beryllium	9-1	250.99	259.55	256.47	255.67	1.70	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	249.70	264.07	249.78	254.52	3.25	ppb
Cadmium	106-1	252.85	264.08	252.21	256.38	2.60	ppb
Cadmium	111-1	251.10	262.40	252.56	255.35	2.41	ppb
Calcium	43-1	27082.31	27222.69	27014.27	27106.42	0.39	ppb
Calcium	44-1	25719.03	26191.97	25969.76	25960.25	0.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	250.98	250.91	256.13	252.68	1.18	ppb
Cobalt	59-2	250.32	252.36	254.42	252.37	0.81	ppb
Copper	63-2	2554.89	2554.82	2552.39	2554.04	0.06	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				103		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	13193.72	13438.49	13271.65	13301.29	0.94	ppb
Iron	57-2	13729.71	13904.60	13796.46	13810.26	0.64	ppb
Iron	54-2	13553.12	13494.82	13552.35	13533.43	0.25	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:57:53	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1205.98	1228.38	1238.38	1224.25	1.36	ppb
Lead	207-1	1237.27	1244.54	1235.13	1238.98	0.40	ppb
Lead	208-1	1226.87	1247.17	1244.60	1239.55	0.89	ppb
Lithium	6-1				105		%
Magnesium	24-2	26045.03	26517.86	25546.28	26036.39	1.87	ppb
Manganese	55-2	2514.84	2542.55	2511.94	2523.11	0.67	ppb
Molybdenum	94-1	2427.25	2550.99	2552.64	2510.29	2.86	ppb
Molybdenum	95-1	2489.79	2562.85	2549.87	2534.17	1.54	ppb
Molybdenum	96-1	2512.12	2575.27	2549.64	2545.68	1.25	ppb
Molybdenum	97-1	2479.44	2569.29	2548.82	2532.52	1.86	ppb
Molybdenum	98-1	2509.50	2565.28	2523.10	2532.63	1.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	254.66	258.67	254.40	255.91	0.93	ppb
Phosphorus	31-2	5123.71	5142.41	4955.39	5073.84	2.03	ppb
Potassium	39-2	13019.71	13032.95	12954.86	13002.51	0.32	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	251.94	261.53	258.09	257.19	1.89	ppb
Selenium	77-2	256.08	266.43	239.46	253.99	5.36	ppb
Selenium	78-2	252.85	267.58	263.79	261.41	2.93	ppb
Silicon	28-1	270.52	275.28	271.87	272.56	0.90	ppb
Silver	107-1	250.20	265.83	252.36	256.13	3.31	ppb
Silver	109-1	251.92	258.57	254.10	254.86	1.33	ppb
Sodium	23-2	26785.64	26548.16	26210.26	26514.69	1.09	ppb
Strontium	86-1	247.57	257.86	254.83	253.42	2.09	ppb
Strontium	88-1	246.63	259.93	249.21	251.92	2.80	ppb
Sulfur	34-1	5152.02	5126.48	5100.65	5126.38	0.50	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	234.90	236.87	234.59	235.45	0.52	ppb
Thallium	205-1	250.89	241.72	250.31	247.64	2.07	ppb
Tin	118-1	244.15	256.26	245.68	248.69	2.65	ppb
Titanium	47-1	2455.41	2527.68	2522.40	2501.83	1.61	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:57:53	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	243.27	244.63	247.24	245.04	0.82	ppb
Vanadium	51-2	249.99	250.97	251.32	250.76	0.27	ppb
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	2645.68	2579.96	2596.97	2607.54	1.31	ppb
Zirconium	90-1	246.65	250.14	251.79	249.53	1.05	ppb
Zirconium	91-1	245.59	254.24	253.96	251.26	1.95	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:00:51	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9731.37	9708.12	10005.30	9814.93	1.68	ppb
Antimony	121-1	491.11	524.86	505.84	507.27	3.34	ppb
Arsenic	75-2	467.74	491.48	499.38	486.20	3.39	ppb
Barium	135-1	2481.16	2650.75	2571.06	2567.66	3.30	ppb
Barium	137-1	2465.74	2616.31	2548.84	2543.63	2.97	ppb
Beryllium	9-1	501.50	527.35	511.89	513.58	2.53	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	501.93	537.37	510.49	516.60	3.58	ppb
Cadmium	106-1	497.26	534.81	520.51	517.53	3.66	ppb
Cadmium	111-1	500.25	531.08	521.83	517.72	3.06	ppb
Calcium	43-1	52750.44	56190.16	54201.97	54380.86	3.18	ppb
Calcium	44-1	50040.11	53541.74	51340.84	51640.90	3.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	479.73	479.19	497.99	485.64	2.20	ppb
Cobalt	59-2	487.15	482.99	498.80	489.65	1.67	ppb
Copper	63-2	4938.43	4889.92	4920.13	4916.16	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				103		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	25365.60	25314.07	26021.56	25567.08	1.54	ppb
Iron	57-2	25507.62	24991.01	26259.70	25586.11	2.49	ppb
Iron	54-2	25775.09	25658.24	26479.61	25970.98	1.71	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:00:51	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2386.07	2598.40	2419.05	2467.84	4.63	ppb
Lead	207-1	2348.52	2639.23	2451.29	2479.68	5.95	ppb
Lead	208-1	2363.14	2623.17	2452.01	2479.44	5.33	ppb
Lithium	6-1				104		%
Magnesium	24-2	49392.92	49057.79	51700.82	50050.51	2.88	ppb
Manganese	55-2	4873.87	4850.77	4916.46	4880.37	0.68	ppb
Molybdenum	94-1	4795.06	5211.47	5073.23	5026.59	4.22	ppb
Molybdenum	95-1	4730.12	5267.41	5140.85	5046.13	5.57	ppb
Molybdenum	96-1	4694.75	5324.37	5097.47	5038.87	6.33	ppb
Molybdenum	97-1	4795.74	5291.32	5126.25	5071.10	4.98	ppb
Molybdenum	98-1	4852.22	5293.31	5044.71	5063.41	4.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	496.97	485.72	492.28	491.65	1.15	ppb
Phosphorus	31-2	9742.72	9495.21	9862.59	9700.17	1.93	ppb
Potassium	39-2	24968.01	24735.07	24996.70	24899.93	0.58	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				104		%
Selenium	82-1	489.08	534.16	516.96	513.40	4.43	ppb
Selenium	77-2	485.96	477.58	495.14	486.23	1.81	ppb
Selenium	78-2	475.90	502.34	507.01	495.08	3.39	ppb
Silicon	28-1	497.98	544.16	535.42	525.85	4.67	ppb
Silver	107-1	502.04	530.49	529.18	520.57	3.09	ppb
Silver	109-1	504.63	526.74	524.23	518.53	2.34	ppb
Sodium	23-2	51274.91	50415.20	51824.81	51171.64	1.39	ppb
Strontium	86-1	482.68	528.21	506.10	505.66	4.50	ppb
Strontium	88-1	479.29	527.56	509.45	505.43	4.82	ppb
Sulfur	34-1	9564.78	10637.73	10184.61	10129.04	5.32	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	475.22	524.94	485.61	495.25	5.30	ppb
Thallium	205-1	481.03	519.02	496.73	498.93	3.83	ppb
Tin	118-1	493.73	532.26	515.06	513.68	3.76	ppb
Titanium	47-1	4856.90	5168.06	4916.37	4980.44	3.32	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:00:51	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	464.26	520.62	492.76	492.55	5.72	ppb
Vanadium	51-2	478.80	482.72	497.66	486.40	2.05	ppb
Yttrium	89-1				94		%
Yttrium	89-2				98		%
Zinc	66-2	4891.10	4980.82	5083.12	4985.01	1.93	ppb
Zirconium	90-1	478.91	523.84	505.00	502.59	4.49	ppb
Zirconium	91-1	473.49	524.45	509.35	502.43	5.21	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:03:39	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20164.04	20167.90	20422.96	20251.64	0.73	ppb
Antimony	121-1	988.13	984.05	1022.22	998.14	2.10	ppb
Arsenic	75-2	997.32	997.22	1020.51	1005.02	1.34	ppb
Barium	135-1	4905.82	4900.62	5105.94	4970.79	2.36	ppb
Barium	137-1	4886.78	4919.77	5118.48	4975.01	2.52	ppb
Beryllium	9-1	980.66	1001.56	991.55	991.26	1.05	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	970.51	994.88	1004.00	989.80	1.75	ppb
Cadmium	106-1	978.75	975.68	1011.72	988.72	2.02	ppb
Cadmium	111-1	974.32	976.84	1015.74	988.97	2.35	ppb
Calcium	43-1	102111.58	104994.72	104427.29	103844.53	1.47	ppb
Calcium	44-1	102210.20	104695.36	104605.80	103837.12	1.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	983.98	1026.23	1008.35	1006.19	2.11	ppb
Cobalt	59-2	1001.52	998.09	1013.33	1004.32	0.80	ppb
Copper	63-2	10071.38	10083.45	9919.62	10024.81	0.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	52695.20	53685.48	51889.08	52756.59	1.71	ppb
Iron	57-2	51932.05	52317.29	52592.51	52280.62	0.63	ppb
Iron	54-2	53224.29	54693.13	54380.04	54099.16	1.43	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:03:39	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5038.50	5086.17	4947.21	5023.96	1.41	ppb
Lead	207-1	4967.48	5120.27	4954.68	5014.14	1.84	ppb
Lead	208-1	5005.61	5086.52	4948.90	5013.68	1.38	ppb
Lithium	6-1				105		%
Magnesium	24-2	103192.15	102305.52	103161.27	102886.31	0.49	ppb
Manganese	55-2	9907.64	10102.79	10148.85	10053.09	1.27	ppb
Molybdenum	94-1	9951.59	10099.90	9894.59	9982.03	1.06	ppb
Molybdenum	95-1	9960.22	10185.64	9750.81	9965.56	2.18	ppb
Molybdenum	96-1	9915.05	10184.14	9800.97	9966.72	1.97	ppb
Molybdenum	97-1	9984.39	10025.60	9856.47	9955.49	0.89	ppb
Molybdenum	98-1	9859.16	10110.01	9909.24	9959.47	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	999.46	1006.24	1000.45	1002.05	0.37	ppb
Phosphorus	31-2	20139.88	20072.79	20170.60	20127.76	0.25	ppb
Potassium	39-2	51938.74	50798.00	51690.18	51475.64	1.17	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	976.75	1002.68	993.03	990.82	1.32	ppb
Selenium	77-2	974.74	998.82	1041.97	1005.18	3.39	ppb
Selenium	78-2	979.83	1003.62	1011.48	998.31	1.65	ppb
Silicon	28-1	954.63	998.52	982.17	978.44	2.27	ppb
Silver	107-1	971.43	979.61	1011.43	987.49	2.14	ppb
Silver	109-1	975.21	981.30	1010.15	988.89	1.89	ppb
Sodium	23-2	106242.12	104958.56	104425.37	105208.69	0.89	ppb
Strontium	86-1	985.92	1007.58	994.93	996.14	1.09	ppb
Strontium	88-1	993.16	1017.85	979.19	996.73	1.96	ppb
Sulfur	34-1	19829.77	19825.69	20036.59	19897.35	0.61	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	1014.52	1015.71	990.61	1006.95	1.41	ppb
Thallium	205-1	1017.99	1018.51	969.93	1002.14	2.78	ppb
Tin	118-1	974.38	982.12	1023.12	993.21	2.64	ppb
Titanium	47-1	9830.76	9962.75	10241.38	10011.63	2.09	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:03:39	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1017.22	1020.73	978.62	1005.52	2.32	ppb
Vanadium	51-2	998.75	1012.77	1008.56	1006.69	0.71	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	10065.85	9989.75	9864.23	9973.28	1.02	ppb
Zirconium	90-1	985.92	1019.98	991.41	999.10	1.83	ppb
Zirconium	91-1	986.72	1008.40	1000.44	998.52	1.10	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:06:29	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101442.06	99304.92	99147.88	99964.95	1.28	ppb
Antimony	121-1	0.79	0.83	0.82	0.81	2.16	ppb
Arsenic	75-2	1.10	1.21	1.14	1.15	4.57	ppb
Barium	135-1	2.91	3.07	2.98	2.98	2.62	ppb
Barium	137-1	3.10	3.13	3.15	3.13	0.75	ppb
Beryllium	9-1	0.18	0.15	0.19	0.17	11.22	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.67	0.83	0.91	0.80	15.59	ppb
Cadmium	106-1	0.18	0.12	1.33	0.55	125.42	ppb
Cadmium	111-1	0.52	0.52	0.58	0.54	6.23	ppb
Calcium	43-1	499371.02	495545.01	501049.02	498655.02	0.57	ppb
Calcium	44-1	501010.15	495448.76	500563.49	499007.47	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.49	4.39	4.52	4.47	1.50	ppb
Cobalt	59-2	1.87	1.80	1.91	1.86	3.03	ppb
Copper	63-2	1.71	1.66	1.69	1.69	1.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	56-2	250551.40	242658.59	254810.98	249340.33	2.47	ppb
Iron	57-2	250051.05	246534.64	251619.68	249401.79	1.04	ppb
Iron	54-2	248983.18	246380.88	251658.62	249007.56	1.06	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:06:29	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.45	1.50	1.50	1.48	1.92	ppb
Lead	207-1	1.45	1.51	1.50	1.48	2.26	ppb
Lead	208-1	1.44	1.52	1.50	1.49	2.67	ppb
Lithium	6-1				107		%
Magnesium	24-2	511671.74	484278.10	502095.93	499348.59	2.78	ppb
Manganese	55-2	4.94	4.80	4.86	4.87	1.41	ppb
Molybdenum	94-1	3.50	3.28	3.56	3.45	4.23	ppb
Molybdenum	95-1	2.19	2.11	2.16	2.15	1.88	ppb
Molybdenum	96-1	3.58	3.52	3.60	3.57	1.17	ppb
Molybdenum	97-1	2.29	2.19	2.17	2.22	2.96	ppb
Molybdenum	98-1	2.15	2.19	2.19	2.18	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.64	3.65	3.93	3.74	4.44	ppb
Phosphorus	31-2	-25.81	-20.91	-30.13	-25.62		ppb
Potassium	39-2	250207.07	245796.43	253039.76	249681.09	1.46	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				106		%
Selenium	82-1	1.74	0.84	-0.16	0.81	117.69	ppb
Selenium	77-2	1.58	2.45	0.91	1.65	46.86	ppb
Selenium	78-2	1.71	3.28	3.34	2.78	33.42	ppb
Silicon	28-1	3.98	4.37	5.30	4.55	14.96	ppb
Silver	107-1	0.40	0.21	0.21	0.27	41.11	ppb
Silver	109-1	0.36	0.24	0.20	0.27	31.28	ppb
Sodium	23-2	500484.59	497225.58	498513.52	498741.23	0.33	ppb
Strontium	86-1	12.27	12.77	12.63	12.55	2.03	ppb
Strontium	88-1	12.21	12.40	12.63	12.41	1.70	ppb
Sulfur	34-1	-491.84	-557.71	-478.77	-509.44		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	1.34	1.37	1.32	1.34	1.86	ppb
Thallium	205-1	1.32	1.36	1.35	1.34	1.39	ppb
Tin	118-1	0.09	0.04	0.05	0.06	47.66	ppb
Titanium	47-1	1.26	1.29	1.28	1.28	1.14	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:06:29	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.09	0.09	0.09	0.09	2.39	ppb
Vanadium	51-2	0.46	0.49	0.44	0.47	5.56	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	5.16	4.58	4.75	4.83	6.17	ppb
Zirconium	90-1	0.85	0.87	0.90	0.87	3.33	ppb
Zirconium	91-1	0.88	0.86	0.87	0.87	1.12	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:22:05	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1511.84	1484.44	1500.70	1499.00	0.92	ppb
Antimony	121-1	401.10	401.21	401.80	401.37	0.09	ppb
Arsenic	75-2	389.12	386.06	384.20	386.46	0.64	ppb
Barium	135-1	1569.19	1570.55	1606.82	1582.18	1.35	ppb
Barium	137-1	1614.54	1578.62	1628.45	1607.21	1.60	ppb
Beryllium	9-1	39.04	38.65	39.47	39.05	1.05	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	184.45	183.56	181.84	183.29	0.72	ppb
Cadmium	106-1	184.01	189.44	182.75	185.40	1.92	ppb
Cadmium	111-1	200.60	204.77	203.19	202.85	1.04	ppb
Calcium	43-1	4097.57	4231.95	4150.18	4159.90	1.63	ppb
Calcium	44-1	4067.51	4178.10	4159.10	4134.90	1.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	158.98	155.71	157.42	157.37	1.04	ppb
Cobalt	59-2	397.60	397.46	386.44	393.83	1.63	ppb
Copper	63-2	184.09	182.16	181.93	182.72	0.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	824.16	805.12	814.73	814.67	1.17	ppb
Iron	57-2	861.84	846.88	849.32	852.68	0.94	ppb
Iron	54-2	965.13	945.68	941.85	950.89	1.31	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:22:05	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	365.79	358.69	368.19	364.22	1.36	ppb
Lead	207-1	358.49	350.77	358.01	355.76	1.22	ppb
Lead	208-1	371.95	366.35	369.39	369.23	0.76	ppb
Lithium	6-1				99		%
Magnesium	24-2	3591.01	3558.60	3699.90	3616.50	2.05	ppb
Manganese	55-2	367.36	362.12	361.23	363.57	0.91	ppb
Molybdenum	94-1	0.26	0.27	0.29	0.27	4.82	ppb
Molybdenum	95-1	0.26	0.21	0.28	0.25	14.14	ppb
Molybdenum	96-1	0.32	0.26	0.32	0.30	11.18	ppb
Molybdenum	97-1	0.28	0.27	0.27	0.27	0.35	ppb
Molybdenum	98-1	0.28	0.27	0.26	0.27	3.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	398.89	398.86	397.42	398.39	0.21	ppb
Phosphorus	31-2	-23.97	-32.15	-19.96	-25.36		ppb
Potassium	39-2	3998.78	3945.52	4026.07	3990.13	1.03	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	392.61	396.59	403.90	397.70	1.44	ppb
Selenium	77-2	406.96	394.73	392.51	398.07	1.96	ppb
Selenium	78-2	396.08	394.96	392.02	394.35	0.53	ppb
Silicon	28-1	1.22	2.43	1.95	1.87	32.87	ppb
Silver	107-1	202.44	204.00	203.32	203.25	0.38	ppb
Silver	109-1	199.91	203.42	201.79	201.70	0.87	ppb
Sodium	23-2	4020.05	4061.32	4028.71	4036.69	0.54	ppb
Strontium	86-1	0.10	0.11	0.08	0.09	17.82	ppb
Strontium	88-1	0.07	0.07	0.08	0.08	5.72	ppb
Sulfur	34-1	-137.64	17.01	0.92	-39.91		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	373.70	371.52	377.71	374.31	0.84	ppb
Thallium	205-1	371.64	361.86	379.80	371.10	2.42	ppb
Tin	118-1	0.36	0.42	0.34	0.37	11.16	ppb
Titanium	47-1	0.20	0.17	0.21	0.19	10.06	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:22:05	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	17.72	ppb
Vanadium	51-2	388.89	385.79	384.92	386.53	0.54	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	368.40	367.61	360.65	365.55	1.17	ppb
Zirconium	90-1	0.10	0.02	0.02	0.04	106.21	ppb
Zirconium	91-1	0.07	0.09	0.07	0.08	12.24	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:40:20	DataFile Name :	016LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.60	20.10	18.43	19.38	4.44	ppb
Antimony	121-1	2.10	2.12	2.15	2.12	1.13	ppb
Arsenic	75-2	0.92	1.14	0.96	1.01	11.81	ppb
Barium	135-1	9.80	10.07	10.01	9.96	1.45	ppb
Barium	137-1	9.96	10.30	9.82	10.03	2.46	ppb
Beryllium	9-1	1.10	1.13	1.06	1.09	2.95	ppb
Bismuth	209-1				100		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.75	0.91	0.82	0.83	10.20	ppb
Cadmium	106-1	1.62	0.87	0.03	0.84	94.21	ppb
Cadmium	111-1	0.99	0.98	0.91	0.96	4.36	ppb
Calcium	43-1	527.34	541.80	530.98	533.38	1.41	ppb
Calcium	44-1	549.00	556.15	558.15	554.43	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.96	1.99	1.98	1.98	0.89	ppb
Cobalt	59-2	1.07	1.03	1.04	1.05	2.16	ppb
Copper	63-2	2.08	1.86	1.91	1.95	5.79	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				102		%
Holmium	165-2				101		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	56.28	53.13	53.31	54.24	3.26	ppb
Iron	57-2	60.33	54.55	54.02	56.30	6.22	ppb
Iron	54-2	61.57	52.46	55.31	56.45	8.25	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:40:20	DataFile Name :	016LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.79	0.86	0.85	0.83	4.66	ppb
Lead	207-1	0.80	0.80	0.91	0.84	7.17	ppb
Lead	208-1	0.82	0.83	0.86	0.84	2.73	ppb
Lithium	6-1				99		%
Magnesium	24-2	522.02	485.57	489.21	498.93	4.02	ppb
Manganese	55-2	1.07	1.04	1.02	1.04	2.50	ppb
Molybdenum	94-1	5.99	5.80	6.19	5.99	3.20	ppb
Molybdenum	95-1	4.94	4.89	5.03	4.95	1.44	ppb
Molybdenum	96-1	5.08	5.04	5.05	5.06	0.45	ppb
Molybdenum	97-1	5.04	4.92	5.00	4.99	1.26	ppb
Molybdenum	98-1	4.99	4.97	5.02	4.99	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.10	0.93	0.93	0.99	9.74	ppb
Phosphorus	31-2	234.75	212.58	229.84	225.73	5.16	ppb
Potassium	39-2	583.32	535.60	531.92	550.28	5.21	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	4.40	5.18	5.24	4.94	9.52	ppb
Selenium	77-2	5.22	6.45	6.67	6.11	12.76	ppb
Selenium	78-2	6.83	5.90	7.29	6.67	10.62	ppb
Silicon	28-1	0.25	1.04	1.88	1.06	76.77	ppb
Silver	107-1	1.13	1.12	1.13	1.13	0.61	ppb
Silver	109-1	1.12	1.14	1.12	1.13	1.26	ppb
Sodium	23-2	547.44	510.95	505.23	521.21	4.39	ppb
Strontium	86-1	0.99	1.02	1.02	1.01	1.52	ppb
Strontium	88-1	0.97	0.95	0.94	0.95	1.25	ppb
Sulfur	34-1	-548.13	-349.29	-287.89	-395.10		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	1.06	1.02	1.07	1.05	2.80	ppb
Thallium	205-1	1.02	0.98	1.05	1.02	3.16	ppb
Tin	118-1	5.09	5.07	5.18	5.11	1.14	ppb
Titanium	47-1	4.93	5.08	5.16	5.05	2.33	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:40:20	DataFile Name :	016LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.90	0.90	0.92	0.91	1.36	ppb
Vanadium	51-2	5.22	4.99	4.89	5.03	3.35	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	4.93	3.71	4.18	4.27	14.43	ppb
Zirconium	90-1	0.99	1.01	0.98	0.99	2.00	ppb
Zirconium	91-1	1.09	1.01	1.01	1.04	4.42	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:43:39	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.98	-2.36	-1.86	-2.07		ppb
Antimony	121-1	0.02	0.02	0.02	0.02	18.04	ppb
Arsenic	75-2	-0.02	-0.03	-0.01	-0.02		ppb
Barium	135-1	-0.02	-0.01	-0.01	-0.01		ppb
Barium	137-1	0.01	0.00	0.00	0.00	80.08	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				102		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.07	-0.05	0.02	387.71	ppb
Cadmium	106-1	-0.54	-0.90	-1.11	-0.85		ppb
Cadmium	111-1	-0.03	-0.06	-0.07	-0.06		ppb
Calcium	43-1	-8.64	-5.14	-6.74	-6.84		ppb
Calcium	44-1	15.72	14.84	15.62	15.39	3.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.10	0.02	0.00	0.04	140.53	ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.01		ppb
Copper	63-2	-0.01	-0.03	-0.03	-0.02		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	-0.59	-1.25	-1.28	-1.04		ppb
Iron	57-2	-2.09	0.19	-0.29	-0.73		ppb
Iron	54-2	-1.92	-0.91	-1.37	-1.40		ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:43:39	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.02	0.02	21.71	ppb
Lead	207-1	0.00	0.02	0.00	0.01	115.39	ppb
Lead	208-1	0.01	0.01	0.02	0.01	26.79	ppb
Lithium	6-1				100		%
Magnesium	24-2	-6.57	-6.28	-6.48	-6.44		ppb
Manganese	55-2	-0.07	-0.04	-0.02	-0.04		ppb
Molybdenum	94-1	0.00	0.01	-0.02	0.00		ppb
Molybdenum	95-1	-0.01	0.01	-0.01	-0.01		ppb
Molybdenum	96-1	0.00	0.02	0.01	0.01	95.08	ppb
Molybdenum	97-1	0.03	0.02	0.02	0.02	16.94	ppb
Molybdenum	98-1	0.00	-0.01	0.00	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.08	-0.06	-0.07	-0.07		ppb
Phosphorus	31-2	-32.26	-30.80	-39.25	-34.10		ppb
Potassium	39-2	-0.76	10.09	9.98	6.44	96.81	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	-0.42	-0.42	-0.55	-0.46		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.42	0.48	1.36	1.09	48.36	ppb
Silicon	28-1	-1.16	-1.03	-0.61	-0.94		ppb
Silver	107-1	0.01	0.01	0.00	0.01	58.90	ppb
Silver	109-1	0.02	0.01	0.01	0.01	29.04	ppb
Sodium	23-2	2.94	6.35	6.35	5.21	37.74	ppb
Strontium	86-1	0.01	0.04	0.04	0.03	56.26	ppb
Strontium	88-1	0.00	0.01	0.01	0.00	196.13	ppb
Sulfur	34-1	-704.86	-690.09	-658.91	-684.62		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.02	0.00	0.01	0.01	173.77	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	20.74	ppb
Tin	118-1	-0.04	-0.02	-0.03	-0.03		ppb
Titanium	47-1	-0.02	-0.02	0.03	0.00		ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:43:39	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.01	0.00	0.00	49.59	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	-0.94	-1.11	-0.92	-0.99		ppb
Zirconium	90-1	0.01	0.01	0.00	0.01	46.57	ppb
Zirconium	91-1	-0.01	-0.01	0.02	0.00	1043.20	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:46:58	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89189.51	87381.04	90775.56	89115.37	1.91	ppb
Antimony	121-1	1.13	1.10	1.10	1.11	1.27	ppb
Arsenic	75-2	0.26	0.34	0.26	0.29	16.88	ppb
Barium	135-1	1.28	1.27	1.28	1.27	0.67	ppb
Barium	137-1	1.36	1.32	1.36	1.35	1.82	ppb
Beryllium	9-1	0.32	0.26	0.27	0.28	11.87	ppb
Bismuth	209-1				100		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.18	7.08	7.52	7.59	7.28	ppb
Cadmium	106-1	-0.90	-1.23	-1.35	-1.16		ppb
Cadmium	111-1	0.17	0.23	0.12	0.17	31.72	ppb
Calcium	43-1	104226.73	100798.82	103199.93	102741.83	1.71	ppb
Calcium	44-1	103778.99	100621.36	102486.50	102295.61	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.77	20.16	20.11	20.01	1.05	ppb
Cobalt	59-2	1.33	1.25	1.26	1.28	3.44	ppb
Copper	63-2	7.35	7.36	7.52	7.41	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				107		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	101978.70	103526.79	102146.79	102550.76	0.83	ppb
Iron	57-2	100341.36	102827.53	101802.85	101657.25	1.23	ppb
Iron	54-2	102785.03	102791.09	103209.57	102928.56	0.24	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:46:58	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.26	4.51	4.42	4.40	2.96	ppb
Lead	207-1	3.85	4.16	4.03	4.01	3.80	ppb
Lead	208-1	3.97	4.22	4.11	4.10	3.06	ppb
Lithium	6-1				97		%
Magnesium	24-2	90996.10	92048.98	90425.65	91156.91	0.90	ppb
Manganese	55-2	7.63	7.57	7.36	7.52	1.94	ppb
Molybdenum	94-1	1596.05	1554.18	1590.05	1580.09	1.43	ppb
Molybdenum	95-1	1968.91	1880.90	1963.30	1937.71	2.54	ppb
Molybdenum	96-1	1943.55	1874.09	1918.07	1911.90	1.84	ppb
Molybdenum	97-1	1995.30	1978.91	1930.57	1968.26	1.71	ppb
Molybdenum	98-1	2003.67	1934.77	1930.33	1956.26	2.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.11	5.45	5.31	5.29	3.22	ppb
Phosphorus	31-2	98294.33	98857.61	97783.90	98311.95	0.55	ppb
Potassium	39-2	101497.54	101445.12	101631.61	101524.76	0.09	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	0.00	0.06	-0.70	-0.21		ppb
Selenium	77-2	0.22	0.00	0.22	0.15	86.60	ppb
Selenium	78-2	0.46	1.21	3.07	1.58	85.11	ppb
Silicon	28-1	1.83	1.51	2.59	1.98	28.00	ppb
Silver	107-1	0.05	0.04	0.04	0.05	16.05	ppb
Silver	109-1	0.07	0.04	0.05	0.05	28.51	ppb
Sodium	23-2	100320.76	99500.67	100743.16	100188.20	0.63	ppb
Strontium	86-1	32.58	31.67	31.62	31.96	1.68	ppb
Strontium	88-1	32.69	31.78	31.52	31.99	1.92	ppb
Sulfur	34-1	102589.70	102049.44	101785.49	102141.54	0.40	ppb
Terbium	159-1				108		%
Terbium	159-2				108		%
Thallium	203-1	0.02	0.04	0.05	0.04	36.35	ppb
Thallium	205-1	0.02	0.04	0.06	0.04	40.30	ppb
Tin	118-1	0.32	0.57	0.73	0.54	39.01	ppb
Titanium	47-1	2000.24	2000.22	1959.99	1986.82	1.17	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:46:58	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.02	0.01	15.58	ppb
Vanadium	51-2	0.23	0.23	0.20	0.22	8.19	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	8.99	9.34	9.19	9.17	1.89	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	8.99	ppb
Zirconium	91-1	0.01	0.02	0.01	0.01	45.04	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:50:08	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91071.28	88369.14	89739.20	89726.54	1.51	ppb
Antimony	121-1	20.74	20.44	21.45	20.88	2.48	ppb
Arsenic	75-2	19.48	20.47	20.65	20.20	3.12	ppb
Barium	135-1	21.92	20.70	21.63	21.41	2.98	ppb
Barium	137-1	21.63	21.80	21.70	21.71	0.40	ppb
Beryllium	9-1	22.10	21.67	20.39	21.39	4.15	ppb
Bismuth	209-1				101		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.55	25.14	23.70	25.13	5.66	ppb
Cadmium	106-1	16.87	15.77	16.04	16.23	3.52	ppb
Cadmium	111-1	20.35	20.00	20.82	20.39	2.02	ppb
Calcium	43-1	103045.28	106429.96	96857.63	102110.96	4.75	ppb
Calcium	44-1	103357.56	104297.27	99771.27	102475.36	2.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.08	39.77	40.90	40.58	1.75	ppb
Cobalt	59-2	22.06	21.61	22.10	21.92	1.24	ppb
Copper	63-2	26.67	26.28	26.49	26.48	0.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				109		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	104620.99	103866.98	102516.50	103668.15	1.03	ppb
Iron	57-2	103511.11	99985.34	102468.35	101988.27	1.78	ppb
Iron	54-2	104225.19	101228.69	102550.74	102668.20	1.46	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:50:08	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.85	24.27	23.93	24.35	1.92	ppb
Lead	207-1	24.16	24.04	22.51	23.57	3.91	ppb
Lead	208-1	23.81	23.59	23.50	23.63	0.67	ppb
Lithium	6-1				89		%
Magnesium	24-2	94173.71	90445.09	90749.49	91789.43	2.26	ppb
Manganese	55-2	28.65	28.32	28.36	28.44	0.64	ppb
Molybdenum	94-1	1573.37	1599.46	1649.83	1607.55	2.42	ppb
Molybdenum	95-1	1936.85	1932.31	1988.08	1952.41	1.59	ppb
Molybdenum	96-1	1897.18	1885.34	1928.09	1903.53	1.16	ppb
Molybdenum	97-1	1914.75	1995.83	1972.32	1960.96	2.13	ppb
Molybdenum	98-1	1959.45	1982.05	1986.15	1975.88	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.50	25.93	26.26	26.56	3.12	ppb
Phosphorus	31-2	99045.43	97187.51	97593.08	97942.01	1.00	ppb
Potassium	39-2	103859.25	101616.23	103485.67	102987.05	1.17	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	82-1	19.31	18.94	20.57	19.60	4.35	ppb
Selenium	77-2	17.76	19.97	17.82	18.51	6.80	ppb
Selenium	78-2	21.56	19.58	22.18	21.10	6.42	ppb
Silicon	28-1	17.29	17.17	13.43	15.96	13.74	ppb
Silver	107-1	19.73	19.28	20.69	19.90	3.61	ppb
Silver	109-1	19.60	19.50	20.22	19.77	1.97	ppb
Sodium	23-2	103837.36	98456.00	99623.52	100638.96	2.81	ppb
Strontium	86-1	32.18	32.81	33.92	32.97	2.67	ppb
Strontium	88-1	32.09	32.50	32.95	32.51	1.33	ppb
Sulfur	34-1	101093.00	99753.64	92611.63	97819.42	4.66	ppb
Terbium	159-1				111		%
Terbium	159-2				109		%
Thallium	203-1	21.08	21.20	19.40	20.56	4.90	ppb
Thallium	205-1	20.23	20.41	20.56	20.40	0.80	ppb
Tin	118-1	0.47	0.63	0.72	0.61	20.35	ppb
Titanium	47-1	1992.34	2013.64	1943.65	1983.21	1.81	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:50:08	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	3.26	ppb
Vanadium	51-2	20.61	20.18	20.24	20.34	1.15	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	26.67	26.79	27.90	27.12	2.49	ppb
Zirconium	90-1	0.09	0.10	0.09	0.09	2.71	ppb
Zirconium	91-1	0.10	0.11	0.09	0.10	10.40	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:53:13	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46998.26	47028.06	47269.04	47098.45	0.32	ppb
Antimony	121-1	483.17	491.76	495.34	490.09	1.28	ppb
Arsenic	75-2	470.12	471.44	480.97	474.18	1.25	ppb
Barium	135-1	2431.62	2468.44	2443.41	2447.82	0.77	ppb
Barium	137-1	2432.74	2499.08	2441.74	2457.85	1.46	ppb
Beryllium	9-1	509.23	507.58	515.62	510.81	0.83	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	472.13	482.75	485.48	480.12	1.47	ppb
Cadmium	106-1	481.46	471.51	498.92	483.96	2.87	ppb
Cadmium	111-1	473.96	478.18	485.42	479.18	1.21	ppb
Calcium	43-1	253555.71	250080.75	250433.42	251356.63	0.76	ppb
Calcium	44-1	248162.16	249194.34	251240.69	249532.40	0.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	472.88	492.53	502.12	489.18	3.05	ppb
Cobalt	59-2	471.16	487.84	485.75	481.58	1.89	ppb
Copper	63-2	4747.71	4770.22	4795.18	4771.04	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				110		%
Holmium	165-2				109		%
Indium	115-1				109		%
Indium	115-2				108		%
Iron	56-2	125428.15	126925.27	126698.55	126350.66	0.64	ppb
Iron	57-2	123726.60	126235.08	130545.90	126835.86	2.72	ppb
Iron	54-2	125395.37	129734.16	128765.79	127965.11	1.78	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:53:13	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2455.71	2554.16	2498.21	2502.69	1.97	ppb
Lead	207-1	2457.75	2485.51	2482.42	2475.23	0.61	ppb
Lead	208-1	2443.21	2483.32	2459.34	2461.96	0.82	ppb
Lithium	6-1				90		%
Magnesium	24-2	236621.45	241577.66	239391.55	239196.88	1.04	ppb
Manganese	55-2	4758.51	4937.38	4959.31	4885.07	2.25	ppb
Molybdenum	94-1	4836.37	4948.56	4903.47	4896.14	1.15	ppb
Molybdenum	95-1	4915.70	4930.26	4847.36	4897.78	0.90	ppb
Molybdenum	96-1	4906.52	4882.91	4758.47	4849.30	1.64	ppb
Molybdenum	97-1	4791.14	4906.52	4824.44	4840.70	1.23	ppb
Molybdenum	98-1	4764.07	4875.06	4865.15	4834.76	1.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	474.05	481.26	481.11	478.81	0.86	ppb
Phosphorus	31-2	9470.80	9592.58	9549.87	9537.75	0.65	ppb
Potassium	39-2	124773.33	124455.88	123461.73	124230.31	0.55	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				107		%
Scandium	45-2				110		%
Selenium	82-1	459.77	473.40	464.34	465.84	1.49	ppb
Selenium	77-2	481.82	458.06	480.07	473.32	2.80	ppb
Selenium	78-2	465.18	460.75	469.18	465.04	0.91	ppb
Silicon	28-1	486.20	487.47	484.76	486.15	0.28	ppb
Silver	107-1	477.04	487.24	490.08	484.79	1.41	ppb
Silver	109-1	479.58	485.02	487.13	483.91	0.81	ppb
Sodium	23-2	240106.66	249743.77	241538.51	243796.31	2.13	ppb
Strontium	86-1	482.40	488.97	486.20	485.86	0.68	ppb
Strontium	88-1	492.17	495.75	494.00	493.97	0.36	ppb
Sulfur	34-1	8261.47	8160.88	8082.21	8168.19	1.10	ppb
Terbium	159-1				112		%
Terbium	159-2				111		%
Thallium	203-1	502.21	511.69	518.82	510.91	1.63	ppb
Thallium	205-1	495.44	511.30	501.56	502.76	1.59	ppb
Tin	118-1	491.66	496.06	500.41	496.04	0.88	ppb
Titanium	47-1	4779.85	4881.86	4893.49	4851.73	1.29	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:53:13	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	476.74	492.75	491.63	487.04	1.84	ppb
Vanadium	51-2	482.05	493.95	492.90	489.63	1.35	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	4588.26	4700.66	4730.43	4673.12	1.60	ppb
Zirconium	90-1	484.18	483.22	481.32	482.91	0.30	ppb
Zirconium	91-1	475.08	486.22	477.73	479.68	1.21	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:56:14	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.23	-1.37	-1.95	-1.52		ppb
Antimony	121-1	0.10	0.11	0.11	0.11	2.70	ppb
Arsenic	75-2	0.01	0.01	0.00	0.01	148.92	ppb
Barium	135-1	0.00	0.02	0.00	0.00	269.53	ppb
Barium	137-1	0.01	0.03	0.01	0.02	79.85	ppb
Beryllium	9-1	-0.01	0.00	0.00	0.00		ppb
Bismuth	209-1				100		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.07	0.28	0.13	102.52	ppb
Cadmium	106-1	-2.02	-0.64	-2.22	-1.63		ppb
Cadmium	111-1	-0.12	-0.03	-0.14	-0.10		ppb
Calcium	43-1	-7.40	-4.09	-9.07	-6.85		ppb
Calcium	44-1	31.15	27.95	30.48	29.86	5.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	0.00	-0.01	-0.01		ppb
Cobalt	59-2	-0.02	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.13	0.20	0.17	0.16	21.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	56-2	0.68	0.20	4.98	1.95	134.81	ppb
Iron	57-2	-0.20	-3.22	3.69	0.09	3704.16	ppb
Iron	54-2	2.26	0.17	0.98	1.14	92.61	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:56:14	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.03	0.03	0.03	8.07	ppb
Lead	207-1	0.04	0.01	0.02	0.03	67.69	ppb
Lead	208-1	0.04	0.03	0.03	0.03	15.08	ppb
Lithium	6-1				88		%
Magnesium	24-2	-4.25	-4.73	-4.54	-4.51		ppb
Manganese	55-2	-0.02	0.02	0.00	0.00	4896.07	ppb
Molybdenum	94-1	0.20	0.18	0.10	0.16	32.60	ppb
Molybdenum	95-1	0.16	0.14	0.17	0.16	8.03	ppb
Molybdenum	96-1	0.15	0.19	0.15	0.16	13.05	ppb
Molybdenum	97-1	0.19	0.17	0.16	0.17	9.36	ppb
Molybdenum	98-1	0.15	0.16	0.13	0.15	8.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.06	-0.06	-0.05		ppb
Phosphorus	31-2	-39.68	-43.48	-33.72	-38.96		ppb
Potassium	39-2	29.47	23.05	31.96	28.16	16.32	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	0.33	-0.23	-0.71	-0.20		ppb
Selenium	77-2	0.22	0.22	0.22	0.22	0.41	ppb
Selenium	78-2	2.24	0.76	2.80	1.93	54.54	ppb
Silicon	28-1	-0.40	-0.72	0.32	-0.26		ppb
Silver	107-1	0.05	0.04	0.03	0.04	25.10	ppb
Silver	109-1	0.05	0.04	0.03	0.04	33.98	ppb
Sodium	23-2	48.90	43.76	47.10	46.59	5.60	ppb
Strontium	86-1	0.00	0.01	0.05	0.02	109.04	ppb
Strontium	88-1	0.00	0.01	0.00	0.01	118.86	ppb
Sulfur	34-1	-970.99	-944.24	-708.86	-874.69		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.07	0.06	0.07	0.06	7.85	ppb
Thallium	205-1	0.08	0.06	0.06	0.07	14.46	ppb
Tin	118-1	0.12	0.12	0.12	0.12	2.56	ppb
Titanium	47-1	0.01	0.05	0.03	0.03	78.78	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:56:14	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	28.22	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	23.71	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	-0.48	-0.72	-0.43	-0.54		ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	8.17	ppb
Zirconium	91-1	0.00	0.01	0.03	0.02	96.51	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:03:24	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.48	17.09	18.53	18.03	4.55	ppb
Antimony	121-1	2.15	2.16	2.15	2.15	0.34	ppb
Arsenic	75-2	0.95	1.07	1.09	1.04	7.59	ppb
Barium	135-1	10.59	10.63	10.62	10.61	0.18	ppb
Barium	137-1	10.65	10.54	10.87	10.69	1.57	ppb
Beryllium	9-1	1.03	1.24	1.23	1.17	10.46	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.31	1.26	1.09	1.22	9.51	ppb
Cadmium	106-1	-1.13	-0.49	-0.82	-0.81		ppb
Cadmium	111-1	0.99	1.13	1.03	1.05	6.86	ppb
Calcium	43-1	588.23	560.29	582.72	577.08	2.56	ppb
Calcium	44-1	586.10	587.60	593.75	589.15	0.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.23	2.14	2.22	2.19	2.27	ppb
Cobalt	59-2	1.17	1.13	1.15	1.15	1.78	ppb
Copper	63-2	2.16	2.24	2.15	2.19	2.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	56-2	58.49	57.12	61.98	59.20	4.24	ppb
Iron	57-2	62.16	60.73	58.77	60.55	2.81	ppb
Iron	54-2	60.68	58.17	59.02	59.29	2.15	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:03:24	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.98	1.08	0.97	1.01	5.84	ppb
Lead	207-1	1.01	1.03	0.91	0.98	6.63	ppb
Lead	208-1	1.00	1.04	0.98	1.01	2.80	ppb
Lithium	6-1				90		%
Magnesium	24-2	529.29	518.08	518.10	521.82	1.24	ppb
Manganese	55-2	1.08	1.06	1.03	1.06	1.99	ppb
Molybdenum	94-1	6.09	6.44	6.55	6.36	3.78	ppb
Molybdenum	95-1	5.21	5.47	5.40	5.36	2.51	ppb
Molybdenum	96-1	5.43	5.63	5.47	5.51	1.88	ppb
Molybdenum	97-1	5.31	5.52	5.56	5.46	2.54	ppb
Molybdenum	98-1	5.33	5.62	5.50	5.48	2.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.13	1.23	1.11	1.16	5.73	ppb
Phosphorus	31-2	-8.54	-6.34	-0.45	-5.11		ppb
Potassium	39-2	596.61	590.88	586.40	591.30	0.87	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	5.62	5.65	5.41	5.56	2.34	ppb
Selenium	77-2	7.58	7.04	6.96	7.19	4.72	ppb
Selenium	78-2	8.42	6.22	6.56	7.07	16.77	ppb
Silicon	28-1	-0.12	0.29	1.18	0.45	147.11	ppb
Silver	107-1	1.08	1.16	1.16	1.13	4.34	ppb
Silver	109-1	1.11	1.10	1.10	1.10	0.56	ppb
Sodium	23-2	568.77	557.57	558.97	561.77	1.09	ppb
Strontium	86-1	1.13	1.12	1.10	1.11	1.30	ppb
Strontium	88-1	1.06	1.08	1.07	1.07	0.94	ppb
Sulfur	34-1	-520.99	-425.93	-321.43	-422.78		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	1.01	1.01	1.02	1.01	0.39	ppb
Thallium	205-1	1.03	1.07	1.06	1.05	1.80	ppb
Tin	118-1	5.59	5.51	5.51	5.54	0.79	ppb
Titanium	47-1	5.09	5.29	5.43	5.27	3.25	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:03:24	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.97	0.99	0.95	0.97	1.98	ppb
Vanadium	51-2	5.47	5.67	5.45	5.53	2.21	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	4.73	4.94	4.42	4.70	5.55	ppb
Zirconium	90-1	0.97	1.08	1.03	1.03	5.05	ppb
Zirconium	91-1	1.08	1.05	1.04	1.05	1.84	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BL	Instrumnet Name :	P7
Client Sample ID :	PB169251BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:10:08	DataFile Name :	024CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.26	-2.87	-2.01	-2.38		ppb
Antimony	121-1	0.00	0.01	0.01	0.01	40.55	ppb
Arsenic	75-2	-0.03	-0.02	-0.03	-0.02		ppb
Barium	135-1	-0.01	-0.01	-0.03	-0.02		ppb
Barium	137-1	0.00	-0.02	0.00	-0.01		ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00	1888.87	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.04	0.07	0.05	39.84	ppb
Cadmium	106-1	-1.10	-0.93	-2.13	-1.39		ppb
Cadmium	111-1	-0.06	-0.07	-0.14	-0.09		ppb
Calcium	43-1	-10.75	-4.70	-13.70	-9.72		ppb
Calcium	44-1	0.96	4.72	1.51	2.40	84.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.10	-0.05	-0.04	-0.06		ppb
Cobalt	59-2	-0.02	-0.02	-0.01	-0.02		ppb
Copper	63-2	0.37	0.80	0.35	0.50	50.07	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				105		%
Indium	115-2				103		%
Iron	56-2	-0.99	-0.93	5.07	1.05	331.19	ppb
Iron	57-2	-1.83	-1.85	-3.11	-2.26		ppb
Iron	54-2	-1.39	-0.12	-0.25	-0.59		ppb
Krypton	83-1						cps

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BL	Instrumnet Name :	P7
Client Sample ID :	PB169251BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:10:08	DataFile Name :	024CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.04	0.02	0.03	38.64	ppb
Lead	207-1	0.03	0.05	0.02	0.03	52.80	ppb
Lead	208-1	0.04	0.04	0.02	0.03	38.34	ppb
Lithium	6-1				93		%
Magnesium	24-2	-6.02	-6.23	-6.30	-6.18		ppb
Manganese	55-2	0.01	-0.04	-0.02	-0.01		ppb
Molybdenum	94-1	0.03	-0.02	0.05	0.02	168.92	ppb
Molybdenum	95-1	0.01	0.01	-0.01	0.00	494.89	ppb
Molybdenum	96-1	0.00	0.01	0.02	0.01	92.31	ppb
Molybdenum	97-1	0.03	0.02	0.02	0.02	49.82	ppb
Molybdenum	98-1	0.01	0.00	0.01	0.01	84.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.08	0.03	0.03	200.47	ppb
Phosphorus	31-2	-31.88	-27.76	-25.49	-28.38		ppb
Potassium	39-2	11.51	15.77	12.47	13.25	16.88	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	-0.97	-0.32	-0.46	-0.58		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.16	3.05	1.35	1.52	95.16	ppb
Silicon	28-1	-1.98	-1.13	-1.07	-1.39		ppb
Silver	107-1	0.00	0.00	0.01	0.00	114.25	ppb
Silver	109-1	0.00	0.01	0.01	0.01	49.56	ppb
Sodium	23-2	14.61	16.26	15.21	15.36	5.43	ppb
Strontium	86-1	0.02	0.01	-0.03	0.00	1249.85	ppb
Strontium	88-1	0.00	0.00	0.01	0.00	43.38	ppb
Sulfur	34-1	-471.10	-305.89	-274.01	-350.33		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.01	0.01	0.01	47.29	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	35.69	ppb
Tin	118-1	0.04	-0.04	-0.03	-0.01		ppb
Titanium	47-1	-0.03	-0.04	-0.06	-0.04		ppb

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BL	Instrumnet Name :	P7
Client Sample ID :	PB169251BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:10:08	DataFile Name :	024CCBD.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	0.01	-0.01	0.00	527.67	ppb
Yttrium	89-1				98		%
Yttrium	89-2				99		%
Zinc	66-2	0.13	-0.28	-0.11	-0.09		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	7.65	ppb
Zirconium	91-1	0.00	0.01	-0.01	0.00		ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BS	Instrumnet Name :	P7
Client Sample ID :	PB169251BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:13:27	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9686.17	9752.41	9820.85	9753.14	0.69	ppb
Antimony	121-1	484.21	499.32	503.12	495.55	2.02	ppb
Arsenic	75-2	481.46	515.38	495.15	497.33	3.43	ppb
Barium	135-1	2422.47	2520.20	2522.63	2488.43	2.30	ppb
Barium	137-1	2428.36	2519.22	2560.00	2502.53	2.69	ppb
Beryllium	9-1	500.98	504.10	513.27	506.12	1.26	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	489.23	512.67	510.17	504.02	2.55	ppb
Cadmium	106-1	491.42	509.48	518.02	506.31	2.68	ppb
Cadmium	111-1	490.56	503.49	512.70	502.25	2.21	ppb
Calcium	43-1	52722.33	52985.00	52941.87	52883.07	0.27	ppb
Calcium	44-1	51121.25	51213.78	50775.94	51036.99	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	486.66	511.41	503.69	500.58	2.53	ppb
Cobalt	59-2	484.16	492.41	497.93	491.50	1.41	ppb
Copper	63-2	5047.13	4987.80	5051.47	5028.80	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				107		%
Holmium	165-2				106		%
Indium	115-1				108		%
Indium	115-2				106		%
Iron	56-2	25717.79	26191.77	26385.60	26098.38	1.32	ppb
Iron	57-2	25847.29	26008.87	26077.88	25978.01	0.46	ppb
Iron	54-2	26303.19	27063.16	26682.69	26683.01	1.42	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BS	Instrumnet Name :	P7
Client Sample ID :	PB169251BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:13:27	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2452.38	2471.99	2498.60	2474.33	0.94	ppb
Lead	207-1	2474.54	2472.41	2500.79	2482.58	0.64	ppb
Lead	208-1	2490.97	2464.22	2503.65	2486.28	0.81	ppb
Lithium	6-1				98		%
Magnesium	24-2	48328.89	50713.05	50432.83	49824.92	2.62	ppb
Manganese	55-2	4892.00	4968.62	5010.90	4957.17	1.22	ppb
Molybdenum	94-1	4919.77	4987.51	5024.49	4977.26	1.07	ppb
Molybdenum	95-1	4941.30	4958.52	5081.12	4993.64	1.53	ppb
Molybdenum	96-1	4957.74	4991.09	5188.18	5045.67	2.47	ppb
Molybdenum	97-1	4948.55	5028.24	5190.28	5055.69	2.44	ppb
Molybdenum	98-1	4892.42	4951.98	5097.04	4980.48	2.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	492.20	491.39	491.84	491.81	0.08	ppb
Phosphorus	31-2	9263.43	9678.26	9779.75	9573.81	2.86	ppb
Potassium	39-2	25425.20	25172.19	25040.52	25212.63	0.78	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	494.62	501.25	516.29	504.05	2.20	ppb
Selenium	77-2	500.24	502.50	499.86	500.87	0.29	ppb
Selenium	78-2	496.92	510.11	486.16	497.73	2.41	ppb
Silicon	28-1	504.97	504.77	499.55	503.10	0.61	ppb
Silver	107-1	491.72	514.50	519.16	508.46	2.89	ppb
Silver	109-1	499.26	499.68	520.26	506.40	2.37	ppb
Sodium	23-2	50171.46	51216.74	50853.30	50747.17	1.05	ppb
Strontium	86-1	490.45	493.04	501.74	495.08	1.19	ppb
Strontium	88-1	497.22	498.89	505.64	500.58	0.89	ppb
Sulfur	34-1	9305.08	9256.24	9056.22	9205.84	1.43	ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	504.18	500.96	502.34	502.49	0.32	ppb
Thallium	205-1	498.15	499.09	502.70	499.98	0.48	ppb
Tin	118-1	481.36	496.83	514.70	497.63	3.35	ppb
Titanium	47-1	4918.00	4942.36	4811.90	4890.75	1.42	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BS	Instrumnet Name :	P7
Client Sample ID :	PB169251BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:13:27	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	477.36	489.70	492.28	486.45	1.64	ppb
Vanadium	51-2	490.32	505.57	502.48	499.46	1.61	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	5024.57	5035.41	5077.41	5045.80	0.55	ppb
Zirconium	90-1	500.38	494.16	496.59	497.04	0.63	ppb
Zirconium	91-1	488.69	486.93	503.70	493.11	1.87	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:19:44	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.36	-1.91	-1.76	-2.01		ppb
Antimony	121-1	0.02	0.03	0.03	0.02	32.73	ppb
Arsenic	75-2	-0.03	-0.01	-0.01	-0.02		ppb
Barium	135-1	-0.01	0.01	-0.04	-0.01		ppb
Barium	137-1	0.01	0.01	-0.01	0.00	269.92	ppb
Beryllium	9-1	0.00	0.00	0.02	0.01	217.54	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.07	0.28	0.12	121.66	ppb
Cadmium	106-1	-0.69	0.39	-0.45	-0.25		ppb
Cadmium	111-1	-0.03	0.03	-0.04	-0.02		ppb
Calcium	43-1	-10.23	-5.48	-11.44	-9.05		ppb
Calcium	44-1	25.14	30.36	30.59	28.69	10.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.43	0.01	-0.11	0.11	261.94	ppb
Cobalt	59-2	-0.01	-0.02	-0.01	-0.02		ppb
Copper	63-2	0.35	0.36	0.34	0.35	3.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	-1.24	-1.18	-1.45	-1.29		ppb
Iron	57-2	-3.91	-3.56	-0.96	-2.81		ppb
Iron	54-2	-1.01	-0.83	-0.88	-0.91		ppb
Krypton	83-1						cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:19:44	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.06	0.02	0.04	42.41	ppb
Lead	207-1	0.01	0.05	0.03	0.03	57.40	ppb
Lead	208-1	0.03	0.05	0.03	0.04	26.98	ppb
Lithium	6-1				94		%
Magnesium	24-2	-6.15	-6.20	-6.29	-6.21		ppb
Manganese	55-2	-0.06	-0.04	-0.04	-0.05		ppb
Molybdenum	94-1	0.04	0.03	0.04	0.04	17.05	ppb
Molybdenum	95-1	0.04	0.06	0.02	0.04	45.92	ppb
Molybdenum	96-1	0.04	0.04	0.04	0.04	9.37	ppb
Molybdenum	97-1	0.04	0.07	0.06	0.06	29.91	ppb
Molybdenum	98-1	0.05	0.03	0.03	0.04	28.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.09	0.00	0.09	0.06	80.41	ppb
Phosphorus	31-2	-38.12	-40.61	-30.89	-36.54		ppb
Potassium	39-2	7.17	11.18	13.87	10.74	31.41	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	-0.54	-1.07	-0.96	-0.86		ppb
Selenium	77-2	0.00	0.23	0.23	0.15	86.60	ppb
Selenium	78-2	1.63	4.14	2.47	2.75	46.60	ppb
Silicon	28-1	-1.68	-0.51	-0.55	-0.91		ppb
Silver	107-1	0.01	0.01	0.00	0.01	110.01	ppb
Silver	109-1	0.01	0.01	0.01	0.01	12.03	ppb
Sodium	23-2	16.98	13.26	13.13	14.46	15.15	ppb
Strontium	86-1	0.01	-0.03	0.04	0.01	402.66	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-745.78	-556.10	-569.71	-623.87		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.01	-0.01	0.00	0.00	388.97	ppb
Thallium	205-1	0.02	0.02	0.01	0.02	48.20	ppb
Tin	118-1	0.15	0.12	0.09	0.12	25.10	ppb
Titanium	47-1	0.01	0.02	0.02	0.02	28.97	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:19:44	DataFile Name :	027CCBE.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	-0.01	0.00	0.00		ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	-0.20	-0.49	0.27	-0.14		ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	23.76	ppb
Zirconium	91-1	0.01	-0.01	0.00	0.00	499.32	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:23:36	DataFile Name :	028LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9815.30	10445.38	9974.33	10078.34	3.25	ppb
Antimony	121-1	514.04	515.09	505.54	511.55	1.02	ppb
Arsenic	75-2	496.17	517.13	490.15	501.15	2.83	ppb
Barium	135-1	2599.68	2546.51	2561.77	2569.32	1.07	ppb
Barium	137-1	2623.39	2530.34	2491.81	2548.51	2.65	ppb
Beryllium	9-1	497.70	505.08	510.33	504.37	1.26	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	509.48	517.96	506.48	511.31	1.16	ppb
Cadmium	106-1	524.31	517.93	510.01	517.41	1.38	ppb
Cadmium	111-1	521.86	521.73	510.21	517.93	1.29	ppb
Calcium	43-1	53370.89	54713.92	55016.48	54367.10	1.61	ppb
Calcium	44-1	51821.98	52528.84	53593.85	52648.22	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	496.59	520.15	503.35	506.70	2.39	ppb
Cobalt	59-2	490.48	518.02	502.09	503.53	2.75	ppb
Copper	63-2	5082.20	5101.92	5159.26	5114.46	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	26090.62	27829.82	26242.58	26721.00	3.60	ppb
Iron	57-2	26211.93	27639.69	26078.15	26643.26	3.25	ppb
Iron	54-2	26303.60	27908.62	26846.20	27019.47	3.02	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:23:36	DataFile Name :	028LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2483.27	2594.24	2625.26	2567.59	2.91	ppb
Lead	207-1	2494.65	2563.39	2596.82	2551.62	2.04	ppb
Lead	208-1	2489.89	2526.47	2580.05	2532.14	1.79	ppb
Lithium	6-1				100		%
Magnesium	24-2	51253.33	53354.09	50524.62	51710.68	2.84	ppb
Manganese	55-2	4969.98	5145.78	4997.62	5037.79	1.88	ppb
Molybdenum	94-1	4877.85	5047.78	5059.22	4994.95	2.03	ppb
Molybdenum	95-1	4956.20	4957.78	5063.63	4992.54	1.23	ppb
Molybdenum	96-1	4962.60	4990.09	5074.00	5008.89	1.16	ppb
Molybdenum	97-1	4904.89	5030.78	5082.36	5006.01	1.82	ppb
Molybdenum	98-1	5019.58	5072.40	5119.32	5070.43	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	497.09	512.57	506.13	505.27	1.54	ppb
Phosphorus	31-2	9617.73	10145.01	9750.10	9837.61	2.79	ppb
Potassium	39-2	25020.45	26151.86	26204.60	25792.30	2.59	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	82-1	491.71	503.78	509.03	501.51	1.77	ppb
Selenium	77-2	484.53	512.84	504.19	500.52	2.90	ppb
Selenium	78-2	519.77	508.72	508.81	512.43	1.24	ppb
Silicon	28-1	512.27	510.70	518.07	513.68	0.76	ppb
Silver	107-1	533.73	541.33	508.08	527.71	3.30	ppb
Silver	109-1	531.35	528.15	502.68	520.73	3.02	ppb
Sodium	23-2	53171.82	53721.57	51744.38	52879.26	1.93	ppb
Strontium	86-1	491.61	495.81	510.46	499.29	1.98	ppb
Strontium	88-1	491.84	503.07	507.40	500.77	1.60	ppb
Sulfur	34-1	9294.88	9436.39	9668.23	9466.50	1.99	ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	503.12	519.72	517.79	513.54	1.77	ppb
Thallium	205-1	486.33	507.48	513.59	502.47	2.85	ppb
Tin	118-1	521.86	514.49	509.77	515.37	1.18	ppb
Titanium	47-1	4961.18	5049.18	5157.00	5055.79	1.94	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:23:36	DataFile Name :	028LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	473.32	491.28	496.61	487.07	2.51	ppb
Vanadium	51-2	491.66	509.20	496.25	499.04	1.82	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	5097.41	5126.00	5109.89	5111.10	0.28	ppb
Zirconium	90-1	485.35	493.26	503.45	494.02	1.84	ppb
Zirconium	91-1	485.18	493.54	499.07	492.60	1.42	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01	Instrumnet Name :	P7
Client Sample ID :	0804-SOIL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:26:19	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	58442.07	58072.61	58937.04	58483.91	0.74	ppb
Antimony	121-1	1.42	1.58	1.42	1.47	6.33	ppb
Arsenic	75-2	39.80	40.84	42.36	41.00	3.15	ppb
Barium	135-1	495.81	527.25	501.19	508.08	3.31	ppb
Barium	137-1	511.52	531.74	515.86	519.71	2.05	ppb
Beryllium	9-1	3.38	3.37	3.34	3.36	0.63	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.14	6.01	4.64	5.27	13.21	ppb
Cadmium	106-1	6.03	8.03	8.69	7.58	18.24	ppb
Cadmium	111-1	4.05	4.51	4.26	4.27	5.40	ppb
Calcium	43-1	18177.69	19170.02	18061.39	18469.70	3.30	ppb
Calcium	44-1	17426.34	18435.21	17681.48	17847.68	2.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134.84	135.48	136.32	135.55	0.55	ppb
Cobalt	59-2	45.95	45.48	46.04	45.82	0.66	ppb
Copper	63-2	291.56	292.40	295.29	293.08	0.67	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				112		%
Holmium	165-2				110		%
Indium	115-1				111		%
Indium	115-2				110		%
Iron	56-2	120322.37	116221.89	120059.48	118867.91	1.93	ppb
Iron	57-2	118930.23	117727.74	118140.54	118266.17	0.52	ppb
Iron	54-2	120454.43	119832.82	120458.71	120248.66	0.30	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01	Instrumnet Name :	P7
Client Sample ID :	0804-SOIL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:26:19	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1902.38	1943.90	1888.68	1911.65	1.50	ppb
Lead	207-1	1876.56	1934.69	1829.66	1880.30	2.80	ppb
Lead	208-1	1865.98	1914.18	1851.87	1877.34	1.74	ppb
Lithium	6-1				101		%
Magnesium	24-2	18406.77	18598.88	18836.65	18614.10	1.16	ppb
Manganese	55-2	2629.42	2561.37	2616.96	2602.58	1.39	ppb
Molybdenum	94-1	39.60	39.74	40.85	40.06	1.71	ppb
Molybdenum	95-1	5.76	5.63	5.93	5.78	2.65	ppb
Molybdenum	96-1	10.04	9.45	10.37	9.95	4.68	ppb
Molybdenum	97-1	5.70	5.94	6.02	5.89	2.88	ppb
Molybdenum	98-1	5.87	5.55	5.95	5.79	3.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.89	101.06	101.10	101.68	1.03	ppb
Phosphorus	31-2	7926.54	7878.81	7914.05	7906.47	0.31	ppb
Potassium	39-2	6622.56	6665.51	6773.20	6687.09	1.16	ppb
Rhodium	103-1				110		%
Rhodium	103-2				109		%
Scandium	45-1				115		%
Scandium	45-2				114		%
Selenium	82-1	4.31	3.55	3.59	3.82	11.18	ppb
Selenium	77-2	27.76	28.61	28.63	28.33	1.76	ppb
Selenium	78-2	9.19	9.91	11.17	10.09	9.91	ppb
Silicon	28-1	198.77	195.74	209.44	201.32	3.57	ppb
Silver	107-1	0.95	1.07	0.98	1.00	6.12	ppb
Silver	109-1	1.02	1.05	1.00	1.03	2.33	ppb
Sodium	23-2	2955.14	2993.58	3081.98	3010.23	2.16	ppb
Strontium	86-1	92.14	89.49	95.22	92.28	3.11	ppb
Strontium	88-1	92.79	90.98	93.81	92.53	1.55	ppb
Sulfur	34-1	910.93	1211.44	926.55	1016.31	16.65	ppb
Terbium	159-1				112		%
Terbium	159-2				111		%
Thallium	203-1	0.68	0.61	0.62	0.64	5.60	ppb
Thallium	205-1	0.65	0.64	0.61	0.63	2.61	ppb
Tin	118-1	7.06	7.20	7.09	7.12	1.03	ppb
Titanium	47-1	949.30	965.95	954.19	956.48	0.89	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01	Instrumnet Name :	P7
Client Sample ID :	0804-SOIL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:26:19	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.80	5.72	5.71	5.75	0.82	ppb
Vanadium	51-2	166.53	166.04	166.73	166.43	0.21	ppb
Yttrium	89-1				117		%
Yttrium	89-2				118		%
Zinc	66-2	946.74	944.86	950.61	947.40	0.31	ppb
Zirconium	90-1	19.14	18.86	20.03	19.34	3.15	ppb
Zirconium	91-1	19.99	19.20	20.69	19.96	3.72	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01DUP	Instrumnet Name :	P7
Client Sample ID :	0804-SOILDUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:29:26	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	58828.24	58995.01	60189.98	59337.74	1.25	ppb
Antimony	121-1	1.68	1.60	1.65	1.64	2.53	ppb
Arsenic	75-2	42.43	41.72	41.77	41.97	0.93	ppb
Barium	135-1	545.41	537.90	551.12	544.81	1.22	ppb
Barium	137-1	552.44	561.62	562.75	558.94	1.01	ppb
Beryllium	9-1	3.41	3.65	3.27	3.44	5.64	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.85	5.97	5.49	5.77	4.30	ppb
Cadmium	106-1	8.11	8.04	7.56	7.90	3.81	ppb
Cadmium	111-1	4.37	4.29	4.39	4.35	1.14	ppb
Calcium	43-1	17332.29	17867.90	17028.92	17409.70	2.44	ppb
Calcium	44-1	16426.94	17171.19	16943.31	16847.15	2.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	120.48	122.62	122.10	121.73	0.92	ppb
Cobalt	59-2	41.19	41.81	42.53	41.84	1.60	ppb
Copper	63-2	288.57	291.55	291.23	290.45	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				110		%
Holmium	165-2				111		%
Indium	115-1				110		%
Indium	115-2				113		%
Iron	56-2	104072.16	106467.46	106545.82	105695.15	1.33	ppb
Iron	57-2	100901.85	104510.64	102528.59	102647.03	1.76	ppb
Iron	54-2	103998.66	104024.99	105079.05	104367.57	0.59	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01DUP	Instrumnet Name :	P7
Client Sample ID :	0804-SOILDUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:29:26	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2011.76	2203.07	1968.27	2061.04	6.06	ppb
Lead	207-1	2004.27	2127.00	1974.76	2035.34	3.97	ppb
Lead	208-1	1980.82	2125.14	1973.60	2026.52	4.22	ppb
Lithium	6-1				100		%
Magnesium	24-2	17658.61	17670.73	17712.85	17680.73	0.16	ppb
Manganese	55-2	2500.29	2557.39	2490.65	2516.11	1.43	ppb
Molybdenum	94-1	41.27	40.81	41.05	41.04	0.56	ppb
Molybdenum	95-1	4.61	4.52	4.50	4.54	1.25	ppb
Molybdenum	96-1	8.76	8.90	9.17	8.94	2.34	ppb
Molybdenum	97-1	4.65	4.56	4.49	4.57	1.76	ppb
Molybdenum	98-1	4.54	4.50	4.63	4.56	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.78	98.13	97.03	97.31	0.73	ppb
Phosphorus	31-2	7898.77	7909.44	8055.32	7954.51	1.10	ppb
Potassium	39-2	6934.28	6854.73	6842.00	6877.00	0.73	ppb
Rhodium	103-1				112		%
Rhodium	103-2				111		%
Scandium	45-1				115		%
Scandium	45-2				116		%
Selenium	82-1	3.97	4.42	3.92	4.10	6.77	ppb
Selenium	77-2	25.66	30.57	28.28	28.17	8.71	ppb
Selenium	78-2	10.87	8.96	9.27	9.70	10.54	ppb
Silicon	28-1	759.70	792.05	812.53	788.09	3.38	ppb
Silver	107-1	1.02	1.03	1.00	1.02	1.59	ppb
Silver	109-1	1.04	1.08	1.04	1.05	2.14	ppb
Sodium	23-2	2770.27	2789.90	2801.33	2787.17	0.56	ppb
Strontium	86-1	88.31	90.01	91.13	89.82	1.58	ppb
Strontium	88-1	89.77	88.89	89.71	89.46	0.55	ppb
Sulfur	34-1	595.85	753.57	308.73	552.72	40.80	ppb
Terbium	159-1				114		%
Terbium	159-2				112		%
Thallium	203-1	0.63	0.65	0.63	0.64	2.29	ppb
Thallium	205-1	0.59	0.65	0.57	0.60	6.68	ppb
Tin	118-1	4.69	4.69	4.86	4.75	2.12	ppb
Titanium	47-1	1062.63	1104.58	1057.40	1074.87	2.41	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01DUP	Instrumnet Name :	P7
Client Sample ID :	0804-SOILDUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:29:26	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.72	6.22	5.60	5.85	5.64	ppb
Vanadium	51-2	159.84	161.98	161.66	161.16	0.72	ppb
Yttrium	89-1				118		%
Yttrium	89-2				120		%
Zinc	66-2	987.32	992.24	998.94	992.83	0.59	ppb
Zirconium	90-1	20.07	20.03	20.69	20.26	1.82	ppb
Zirconium	91-1	20.09	20.81	21.38	20.76	3.10	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01LX5	Instrumnet Name :	P7
Client Sample ID :	0804-SOILL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 14:32:33	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12313.02	11926.70	12169.80	12136.51	1.61	ppb
Antimony	121-1	0.29	0.29	0.30	0.29	2.62	ppb
Arsenic	75-2	9.02	9.65	8.95	9.21	4.19	ppb
Barium	135-1	106.73	103.92	103.63	104.76	1.63	ppb
Barium	137-1	107.63	105.79	105.52	106.31	1.08	ppb
Beryllium	9-1	0.74	0.73	0.68	0.71	4.05	ppb
Bismuth	209-1				99		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.59	1.47	1.24	1.43	12.53	ppb
Cadmium	106-1	0.39	-0.34	0.52	0.19	247.60	ppb
Cadmium	111-1	0.79	0.73	0.78	0.77	4.45	ppb
Calcium	43-1	3881.92	4051.01	4048.45	3993.79	2.43	ppb
Calcium	44-1	3855.34	3932.56	3993.27	3927.06	1.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27.82	27.78	28.45	28.02	1.34	ppb
Cobalt	59-2	9.63	9.22	9.52	9.46	2.24	ppb
Copper	63-2	61.71	60.90	61.06	61.22	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	25156.49	24498.33	24755.06	24803.29	1.34	ppb
Iron	57-2	24402.18	23969.98	24176.09	24182.75	0.89	ppb
Iron	54-2	24665.29	24605.19	24476.27	24582.25	0.39	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01LX5	Instrumnet Name :	P7
Client Sample ID :	0804-SOILL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 14:32:33	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	365.76	369.44	359.63	364.94	1.36	ppb
Lead	207-1	355.51	364.09	357.04	358.88	1.27	ppb
Lead	208-1	365.50	380.04	366.87	370.80	2.17	ppb
Lithium	6-1				93		%
Magnesium	24-2	3915.62	3825.87	3832.15	3857.88	1.30	ppb
Manganese	55-2	541.03	539.23	539.94	540.07	0.17	ppb
Molybdenum	94-1	8.94	8.95	9.05	8.98	0.72	ppb
Molybdenum	95-1	1.27	1.21	1.31	1.26	3.89	ppb
Molybdenum	96-1	2.25	2.32	2.22	2.27	2.17	ppb
Molybdenum	97-1	1.30	1.35	1.25	1.30	3.97	ppb
Molybdenum	98-1	1.32	1.24	1.24	1.27	3.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	21.25	21.10	21.58	21.31	1.16	ppb
Phosphorus	31-2	1591.19	1626.83	1583.35	1600.45	1.45	ppb
Potassium	39-2	1438.11	1411.81	1466.40	1438.77	1.90	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	82-1	0.08	0.78	-0.48	0.13	499.63	ppb
Selenium	77-2	6.89	5.40	6.28	6.19	12.13	ppb
Selenium	78-2	2.10	3.82	3.34	3.09	28.82	ppb
Silicon	28-1	49.15	49.36	50.07	49.53	0.97	ppb
Silver	107-1	0.20	0.21	0.21	0.21	1.01	ppb
Silver	109-1	0.23	0.23	0.21	0.22	5.58	ppb
Sodium	23-2	617.77	607.83	621.65	615.75	1.16	ppb
Strontium	86-1	21.25	20.85	21.15	21.08	0.98	ppb
Strontium	88-1	20.52	20.25	20.40	20.39	0.67	ppb
Sulfur	34-1	-1909.70	-1744.68	-1563.55	-1739.31		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.09	0.09	0.09	0.09	2.02	ppb
Thallium	205-1	0.11	0.12	0.11	0.11	6.52	ppb
Tin	118-1	1.60	1.49	1.54	1.54	3.63	ppb
Titanium	47-1	202.53	205.87	207.79	205.40	1.30	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01LX5	Instrumnet Name :	P7
Client Sample ID :	0804-SOILL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 14:32:33	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.13	1.18	1.11	1.14	3.24	ppb
Vanadium	51-2	33.86	34.02	35.10	34.33	1.97	ppb
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	203.84	193.66	201.76	199.75	2.69	ppb
Zirconium	90-1	4.38	4.35	4.35	4.36	0.43	ppb
Zirconium	91-1	4.49	4.33	4.39	4.40	1.85	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MS	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:35:48	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	69570.26	69537.61	68664.84	69257.57	0.74	ppb
Antimony	121-1	463.38	468.67	471.87	467.97	0.92	ppb
Arsenic	75-2	468.96	475.22	473.65	472.61	0.69	ppb
Barium	135-1	2578.80	2689.60	2729.24	2665.88	2.92	ppb
Barium	137-1	2669.75	2695.41	2700.43	2688.53	0.61	ppb
Beryllium	9-1	478.69	477.79	483.72	480.07	0.67	ppb
Bismuth	209-1				102		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	462.83	474.34	469.26	468.81	1.23	ppb
Cadmium	106-1	480.13	483.62	484.20	482.65	0.46	ppb
Cadmium	111-1	466.39	482.12	481.56	476.69	1.87	ppb
Calcium	43-1	63804.64	63977.39	65091.58	64291.20	1.09	ppb
Calcium	44-1	61331.92	61029.49	62774.72	61712.04	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	588.66	574.17	576.00	579.61	1.36	ppb
Cobalt	59-2	501.55	502.83	493.33	499.24	1.03	ppb
Copper	63-2	4452.48	4564.74	4436.94	4484.72	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				109		%
Indium	115-1				110		%
Indium	115-2				109		%
Iron	56-2	126528.95	126137.76	122214.79	124960.50	1.91	ppb
Iron	57-2	123565.70	124750.64	119657.03	122657.79	2.17	ppb
Iron	54-2	126388.81	126154.73	124402.35	125648.63	0.86	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MS	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:35:48	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3850.88	3996.89	4140.76	3996.17	3.63	ppb
Lead	207-1	3896.62	3922.43	4116.30	3978.45	3.02	ppb
Lead	208-1	3886.95	3884.08	4081.92	3950.98	2.87	ppb
Lithium	6-1				98		%
Magnesium	24-2	65901.11	65337.51	65410.46	65549.70	0.47	ppb
Manganese	55-2	6601.27	6613.87	6427.33	6547.49	1.59	ppb
Molybdenum	94-1	1925.61	2025.43	2006.87	1985.97	2.67	ppb
Molybdenum	95-1	1456.76	1491.24	1541.91	1496.63	2.86	ppb
Molybdenum	96-1	1513.60	1552.29	1556.98	1540.96	1.55	ppb
Molybdenum	97-1	1448.14	1531.66	1577.75	1519.18	4.32	ppb
Molybdenum	98-1	1443.09	1514.75	1519.60	1492.48	2.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	564.01	562.49	553.38	559.96	1.03	ppb
Phosphorus	31-2	8170.82	8208.52	8184.53	8187.96	0.23	ppb
Potassium	39-2	27978.68	27912.57	28677.23	28189.49	1.50	ppb
Rhodium	103-1				111		%
Rhodium	103-2				109		%
Scandium	45-1				118		%
Scandium	45-2				114		%
Selenium	82-1	410.89	424.45	428.04	421.13	2.15	ppb
Selenium	77-2	426.68	451.79	456.12	444.86	3.57	ppb
Selenium	78-2	417.87	426.96	438.62	427.82	2.43	ppb
Silicon	28-1	449.27	446.34	440.14	445.25	1.05	ppb
Silver	107-1	85.03	89.10	89.85	87.99	2.95	ppb
Silver	109-1	84.67	85.91	85.92	85.50	0.83	ppb
Sodium	23-2	47232.59	47009.41	47629.91	47290.64	0.66	ppb
Strontium	86-1	550.21	557.38	575.89	561.16	2.36	ppb
Strontium	88-1	555.67	564.72	581.08	567.16	2.27	ppb
Sulfur	34-1	281.17	202.73	308.50	264.13	20.79	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	465.18	474.04	489.82	476.35	2.62	ppb
Thallium	205-1	457.98	470.86	486.42	471.75	3.02	ppb
Tin	118-1	419.89	435.04	430.54	428.49	1.82	ppb
Titanium	47-1	985.19	986.42	1018.56	996.73	1.90	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MS	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:35:48	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	457.39	450.37	475.13	460.96	2.77	ppb
Vanadium	51-2	622.44	620.42	621.91	621.59	0.17	ppb
Yttrium	89-1				119		%
Yttrium	89-2				118		%
Zinc	66-2	5129.28	5167.53	5078.28	5125.03	0.87	ppb
Zirconium	90-1	420.27	434.01	437.26	430.51	2.09	ppb
Zirconium	91-1	414.19	428.84	437.46	426.83	2.76	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MSD	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:38:34	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	70601.80	71232.23	70928.72	70920.92	0.44	ppb
Antimony	121-1	460.01	466.71	465.52	464.08	0.77	ppb
Arsenic	75-2	452.16	477.55	474.82	468.17	2.98	ppb
Barium	135-1	2652.93	2768.44	2684.81	2702.06	2.21	ppb
Barium	137-1	2659.73	2805.21	2750.37	2738.44	2.68	ppb
Beryllium	9-1	461.40	467.64	489.24	472.76	3.09	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	457.97	479.20	456.85	464.67	2.71	ppb
Cadmium	106-1	470.60	482.82	475.26	476.23	1.30	ppb
Cadmium	111-1	460.82	483.82	469.19	471.27	2.47	ppb
Calcium	43-1	64045.71	66593.58	66531.48	65723.59	2.21	ppb
Calcium	44-1	63329.02	64977.75	64902.03	64402.93	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	557.97	570.94	574.07	567.66	1.50	ppb
Cobalt	59-2	481.39	499.93	490.75	490.69	1.89	ppb
Copper	63-2	4424.38	4421.39	4429.78	4425.18	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				111		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				110		%
Iron	56-2	133464.24	134418.60	135249.79	134377.54	0.66	ppb
Iron	57-2	132013.22	133164.45	133633.24	132936.97	0.63	ppb
Iron	54-2	134623.91	135511.05	134269.69	134801.55	0.47	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MSD	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:38:34	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4205.77	4474.63	4332.56	4337.66	3.10	ppb
Lead	207-1	4206.64	4387.03	4374.69	4322.78	2.33	ppb
Lead	208-1	4238.87	4372.47	4348.11	4319.82	1.65	ppb
Lithium	6-1				96		%
Magnesium	24-2	66832.02	69560.63	68667.71	68353.45	2.04	ppb
Manganese	55-2	6644.64	6649.41	6761.75	6685.27	0.99	ppb
Molybdenum	94-1	1908.52	1935.53	2010.75	1951.60	2.71	ppb
Molybdenum	95-1	1445.49	1477.13	1515.28	1479.30	2.36	ppb
Molybdenum	96-1	1500.28	1503.55	1520.11	1507.98	0.70	ppb
Molybdenum	97-1	1458.15	1460.35	1494.78	1471.09	1.40	ppb
Molybdenum	98-1	1429.03	1446.03	1504.53	1459.86	2.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	539.31	550.77	550.57	546.88	1.20	ppb
Phosphorus	31-2	8499.60	8632.25	8636.21	8589.35	0.91	ppb
Potassium	39-2	27391.56	28181.89	28223.41	27932.29	1.68	ppb
Rhodium	103-1				110		%
Rhodium	103-2				109		%
Scandium	45-1				117		%
Scandium	45-2				116		%
Selenium	82-1	402.72	411.38	421.89	412.00	2.33	ppb
Selenium	77-2	416.73	429.57	441.16	429.15	2.85	ppb
Selenium	78-2	408.60	409.46	431.46	416.51	3.11	ppb
Silicon	28-1	295.57	386.61	270.43	317.54	19.25	ppb
Silver	107-1	83.94	88.58	85.72	86.08	2.72	ppb
Silver	109-1	83.99	86.94	84.13	85.02	1.95	ppb
Sodium	23-2	47286.76	47558.40	47837.92	47561.03	0.58	ppb
Strontium	86-1	556.58	554.44	576.54	562.52	2.17	ppb
Strontium	88-1	562.02	562.96	573.39	566.12	1.11	ppb
Sulfur	34-1	521.29	820.04	677.77	673.03	22.20	ppb
Terbium	159-1				111		%
Terbium	159-2				113		%
Thallium	203-1	452.29	483.74	479.73	471.92	3.63	ppb
Thallium	205-1	449.34	467.29	462.42	459.68	2.02	ppb
Tin	118-1	429.28	437.93	435.26	434.16	1.02	ppb
Titanium	47-1	1114.11	1148.63	1169.67	1144.13	2.45	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MSD	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:38:34	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	414.58	463.98	441.54	440.04	5.62	ppb
Vanadium	51-2	623.88	625.88	627.78	625.84	0.31	ppb
Yttrium	89-1				121		%
Yttrium	89-2				121		%
Zinc	66-2	5415.31	5382.78	5455.73	5417.94	0.67	ppb
Zirconium	90-1	408.68	410.15	422.40	413.74	1.82	ppb
Zirconium	91-1	405.45	411.94	421.00	412.80	1.89	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:41:26	DataFile Name :	034CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48219.87	47623.79	47461.73	47768.46	0.84	ppb
Antimony	121-1	488.72	500.82	497.74	495.76	1.27	ppb
Arsenic	75-2	496.14	475.08	481.25	484.15	2.24	ppb
Barium	135-1	2482.00	2535.58	2533.76	2517.11	1.21	ppb
Barium	137-1	2449.38	2555.64	2562.16	2522.39	2.51	ppb
Beryllium	9-1	503.41	513.99	513.80	510.40	1.19	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	479.76	503.30	493.22	492.09	2.40	ppb
Cadmium	106-1	484.76	491.68	494.05	490.16	0.98	ppb
Cadmium	111-1	478.67	499.81	497.59	492.02	2.36	ppb
Calcium	43-1	255724.31	259320.51	258022.02	257688.94	0.71	ppb
Calcium	44-1	251811.60	258359.04	250075.27	253415.31	1.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.93	495.83	493.60	497.79	1.09	ppb
Cobalt	59-2	490.26	503.60	496.73	496.86	1.34	ppb
Copper	63-2	4970.56	4954.09	4944.64	4956.43	0.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				108		%
Iron	56-2	131104.39	130490.11	130512.55	130702.35	0.27	ppb
Iron	57-2	131172.58	130014.06	128604.38	129930.34	0.99	ppb
Iron	54-2	130043.12	131244.59	129838.22	130375.31	0.58	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:41:26	DataFile Name :	034CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2469.94	2528.32	2489.67	2495.98	1.19	ppb
Lead	207-1	2431.72	2503.90	2472.68	2469.44	1.47	ppb
Lead	208-1	2438.61	2508.01	2487.69	2478.10	1.44	ppb
Lithium	6-1				93		%
Magnesium	24-2	242028.08	242725.99	246745.38	243833.15	1.04	ppb
Manganese	55-2	5052.60	4976.44	4956.54	4995.19	1.01	ppb
Molybdenum	94-1	4892.25	5135.15	5042.91	5023.44	2.44	ppb
Molybdenum	95-1	4866.15	5109.07	5007.19	4994.14	2.44	ppb
Molybdenum	96-1	4950.20	5076.41	4978.48	5001.70	1.32	ppb
Molybdenum	97-1	4915.63	5196.66	4959.34	5023.88	3.01	ppb
Molybdenum	98-1	4945.72	5174.94	5019.88	5046.85	2.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	491.03	486.92	482.18	486.71	0.91	ppb
Phosphorus	31-2	9823.25	9730.42	9730.27	9761.31	0.55	ppb
Potassium	39-2	127817.07	127689.03	127928.98	127811.69	0.09	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	468.04	482.11	473.73	474.63	1.49	ppb
Selenium	77-2	496.80	465.51	471.88	478.06	3.46	ppb
Selenium	78-2	477.13	468.77	469.08	471.66	1.00	ppb
Silicon	28-1	491.06	500.60	507.98	499.88	1.70	ppb
Silver	107-1	497.50	501.98	507.43	502.30	0.99	ppb
Silver	109-1	498.80	500.19	496.87	498.62	0.33	ppb
Sodium	23-2	246051.18	252178.32	250161.79	249463.76	1.25	ppb
Strontium	86-1	488.27	505.84	500.01	498.04	1.80	ppb
Strontium	88-1	487.04	513.09	506.82	502.32	2.71	ppb
Sulfur	34-1	8067.56	8214.31	8273.10	8184.99	1.29	ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	503.37	531.11	513.15	515.88	2.73	ppb
Thallium	205-1	499.11	520.70	515.92	511.91	2.22	ppb
Tin	118-1	498.41	513.22	508.87	506.83	1.50	ppb
Titanium	47-1	4913.92	4918.30	4913.83	4915.35	0.05	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:41:26	DataFile Name :	034CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	485.89	491.56	491.27	489.57	0.65	ppb
Vanadium	51-2	506.93	501.84	495.59	501.45	1.13	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	4873.28	4821.03	4800.84	4831.72	0.77	ppb
Zirconium	90-1	485.06	503.94	502.33	497.11	2.11	ppb
Zirconium	91-1	484.34	501.93	498.33	494.87	1.88	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:44:12	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.94	-2.30	-1.27	-1.84		ppb
Antimony	121-1	0.12	0.13	0.14	0.13	9.71	ppb
Arsenic	75-2	0.01	-0.02	-0.01	-0.01		ppb
Barium	135-1	0.01	0.01	-0.02	0.00		ppb
Barium	137-1	0.03	0.04	0.03	0.04	20.12	ppb
Beryllium	9-1	0.02	0.00	0.01	0.01	61.29	ppb
Bismuth	209-1				98		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.01	0.07	0.04	82.14	ppb
Cadmium	106-1	-1.15	-0.92	-0.55	-0.87		ppb
Cadmium	111-1	-0.04	-0.03	-0.01	-0.02		ppb
Calcium	43-1	-9.50	-7.56	-11.28	-9.45		ppb
Calcium	44-1	25.87	26.21	23.82	25.30	5.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.06	-0.02	-0.04		ppb
Cobalt	59-2	-0.02	-0.02	-0.01	-0.02		ppb
Copper	63-2	0.15	0.16	0.13	0.15	10.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	2.38	0.52	1.38	1.43	65.27	ppb
Iron	57-2	1.44	28.90	-0.71	9.88	167.12	ppb
Iron	54-2	0.31	0.75	0.10	0.39	85.82	ppb
Krypton	83-1						cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:44:12	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.07	0.05	0.06	16.94	ppb
Lead	207-1	0.03	0.03	0.05	0.04	37.19	ppb
Lead	208-1	0.04	0.05	0.05	0.05	10.15	ppb
Lithium	6-1				90		%
Magnesium	24-2	-4.79	-4.69	-4.65	-4.71		ppb
Manganese	55-2	0.00	0.01	0.01	0.01	41.82	ppb
Molybdenum	94-1	0.21	0.21	0.17	0.20	11.48	ppb
Molybdenum	95-1	0.18	0.16	0.14	0.16	11.87	ppb
Molybdenum	96-1	0.20	0.18	0.13	0.17	20.67	ppb
Molybdenum	97-1	0.16	0.15	0.15	0.15	2.77	ppb
Molybdenum	98-1	0.21	0.16	0.15	0.17	18.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.02	-0.05	-0.02		ppb
Phosphorus	31-2	-43.73	-34.49	-38.83	-39.02		ppb
Potassium	39-2	38.71	28.59	28.85	32.05	17.99	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	-0.62	-0.41	-0.07	-0.37		ppb
Selenium	77-2	0.00	0.00	0.22	0.07	173.21	ppb
Selenium	78-2	3.16	0.22	1.95	1.78	83.34	ppb
Silicon	28-1	-0.29	-0.28	-0.16	-0.24		ppb
Silver	107-1	0.04	0.03	0.03	0.04	18.56	ppb
Silver	109-1	0.04	0.03	0.03	0.04	16.27	ppb
Sodium	23-2	58.19	51.61	52.01	53.94	6.84	ppb
Strontium	86-1	-0.01	0.01	0.07	0.02	179.23	ppb
Strontium	88-1	0.01	0.01	0.01	0.01	17.53	ppb
Sulfur	34-1	-1034.21	-848.18	-972.05	-951.48		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.10	0.09	0.08	0.09	9.76	ppb
Thallium	205-1	0.11	0.10	0.10	0.10	8.10	ppb
Tin	118-1	-0.01	-0.02	0.03	0.00		ppb
Titanium	47-1	0.05	0.04	0.03	0.04	26.82	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:44:12	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.01	0.01	20.50	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	65.52	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	-0.34	-0.53	-1.08	-0.65		ppb
Zirconium	90-1	0.03	0.03	0.04	0.03	16.69	ppb
Zirconium	91-1	0.02	0.00	0.02	0.02	65.58	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01A	Instrumnet Name :	P7
Client Sample ID :	0804-SOILA	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:50:45	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	68909.81	71055.86	68658.09	69541.25	1.89	ppb
Antimony	121-1	471.92	464.12	470.26	468.77	0.88	ppb
Arsenic	75-2	454.46	458.68	456.69	456.61	0.46	ppb
Barium	135-1	2738.56	2759.53	2745.42	2747.84	0.39	ppb
Barium	137-1	2730.02	2758.23	2712.95	2733.73	0.84	ppb
Beryllium	9-1	476.53	494.75	476.20	482.49	2.20	ppb
Bismuth	209-1				104		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	468.99	465.24	450.07	461.43	2.17	ppb
Cadmium	106-1	489.59	491.43	472.08	484.37	2.21	ppb
Cadmium	111-1	483.38	471.53	473.50	476.14	1.33	ppb
Calcium	43-1	65078.66	66658.10	65621.30	65786.02	1.22	ppb
Calcium	44-1	62995.03	63532.00	63231.00	63252.68	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	582.03	583.83	571.71	579.19	1.13	ppb
Cobalt	59-2	509.48	518.00	493.39	506.96	2.47	ppb
Copper	63-2	4325.94	4428.72	4368.03	4374.23	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				110		%
Holmium	165-2				111		%
Indium	115-1				109		%
Indium	115-2				111		%
Iron	56-2	124900.79	127121.70	123647.92	125223.47	1.40	ppb
Iron	57-2	123563.93	126626.44	120795.89	123662.09	2.36	ppb
Iron	54-2	126329.61	127760.86	125740.15	126610.21	0.82	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01A	Instrumnet Name :	P7
Client Sample ID :	0804-SOILA	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:50:45	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3987.44	3927.26	4092.02	4002.24	2.08	ppb
Lead	207-1	3967.40	3883.72	4056.74	3969.29	2.18	ppb
Lead	208-1	3959.89	3890.64	3998.72	3949.75	1.39	ppb
Lithium	6-1				97		%
Magnesium	24-2	64838.23	66139.72	63868.62	64948.86	1.75	ppb
Manganese	55-2	6568.58	6606.46	6442.87	6539.30	1.31	ppb
Molybdenum	94-1	2032.82	2042.46	2005.83	2027.04	0.94	ppb
Molybdenum	95-1	1511.23	1521.70	1504.77	1512.57	0.56	ppb
Molybdenum	96-1	1566.40	1575.13	1555.76	1565.76	0.62	ppb
Molybdenum	97-1	1499.86	1531.27	1488.92	1506.68	1.46	ppb
Molybdenum	98-1	1491.37	1505.07	1492.97	1496.47	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	558.29	567.18	547.78	557.75	1.74	ppb
Phosphorus	31-2	8333.84	8214.94	8035.76	8194.85	1.83	ppb
Potassium	39-2	28002.59	29334.01	27865.65	28400.75	2.86	ppb
Rhodium	103-1				110		%
Rhodium	103-2				109		%
Scandium	45-1				115		%
Scandium	45-2				116		%
Selenium	82-1	420.86	421.89	418.17	420.31	0.46	ppb
Selenium	77-2	439.57	454.32	446.19	446.69	1.65	ppb
Selenium	78-2	428.49	435.52	416.14	426.72	2.30	ppb
Silicon	28-1	451.77	486.15	1211.19	716.37	59.87	ppb
Silver	107-1	87.39	87.19	86.11	86.89	0.79	ppb
Silver	109-1	86.09	86.25	83.91	85.42	1.53	ppb
Sodium	23-2	47156.71	47623.12	46594.33	47124.72	1.09	ppb
Strontium	86-1	564.84	573.63	567.46	568.64	0.79	ppb
Strontium	88-1	577.86	578.20	569.87	575.31	0.82	ppb
Sulfur	34-1	877.02	990.08	755.56	874.22	13.42	ppb
Terbium	159-1				110		%
Terbium	159-2				114		%
Thallium	203-1	473.70	468.40	480.45	474.18	1.27	ppb
Thallium	205-1	472.72	459.41	473.22	468.45	1.67	ppb
Tin	118-1	435.09	424.56	423.69	427.78	1.48	ppb
Titanium	47-1	994.24	1035.46	1013.41	1014.37	2.03	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01A	Instrumnet Name :	P7
Client Sample ID :	0804-SOILA	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:50:45	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	464.60	443.51	446.71	451.61	2.52	ppb
Vanadium	51-2	614.69	632.61	605.99	617.76	2.20	ppb
Yttrium	89-1				117		%
Yttrium	89-2				120		%
Zinc	66-2	5070.57	5170.55	4885.31	5042.14	2.87	ppb
Zirconium	90-1	430.19	435.74	425.57	430.50	1.18	ppb
Zirconium	91-1	428.63	436.64	429.35	431.54	1.03	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-02	Instrumnet Name :	P7
Client Sample ID :	0804-D	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:53:34	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1932.54	1923.16	1930.23	1928.64	0.25	ppb
Antimony	121-1	0.48	0.55	0.59	0.54	10.04	ppb
Arsenic	75-2	1.56	1.66	1.66	1.63	3.71	ppb
Barium	135-1	29.22	31.45	30.88	30.52	3.80	ppb
Barium	137-1	29.85	31.18	30.41	30.48	2.18	ppb
Beryllium	9-1	0.19	0.15	0.18	0.18	11.93	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.62	0.52	0.67	0.60	12.88	ppb
Cadmium	106-1	-1.01	0.09	0.39	-0.18		ppb
Cadmium	111-1	0.27	0.33	0.35	0.32	13.92	ppb
Calcium	43-1	70731.87	72110.97	72948.23	71930.36	1.56	ppb
Calcium	44-1	70381.58	70565.63	72107.01	71018.07	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.95	12.92	13.05	12.97	0.55	ppb
Cobalt	59-2	2.92	2.94	2.82	2.89	2.19	ppb
Copper	63-2	13.21	13.49	13.61	13.44	1.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				111		%
Indium	115-2				111		%
Iron	56-2	6052.47	5951.63	5929.89	5978.00	1.09	ppb
Iron	57-2	6530.90	6461.54	6632.97	6541.80	1.32	ppb
Iron	54-2	6191.41	6135.26	6269.82	6198.83	1.09	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-02	Instrumnet Name :	P7
Client Sample ID :	0804-D	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:53:34	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	58.95	59.31	58.34	58.87	0.83	ppb
Lead	207-1	58.24	55.33	54.55	56.04	3.47	ppb
Lead	208-1	57.28	56.69	56.86	56.94	0.54	ppb
Lithium	6-1				92		%
Magnesium	24-2	1829.36	1812.86	1850.51	1830.91	1.03	ppb
Manganese	55-2	168.28	166.09	169.71	168.03	1.09	ppb
Molybdenum	94-1	4.67	4.55	4.59	4.61	1.30	ppb
Molybdenum	95-1	0.87	0.81	0.82	0.84	3.95	ppb
Molybdenum	96-1	1.25	1.28	1.23	1.25	2.02	ppb
Molybdenum	97-1	0.87	0.81	0.86	0.85	3.87	ppb
Molybdenum	98-1	0.90	0.82	0.84	0.85	4.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.71	7.52	7.49	7.57	1.60	ppb
Phosphorus	31-2	487.59	486.38	473.88	482.62	1.57	ppb
Potassium	39-2	727.26	720.30	745.56	731.04	1.78	ppb
Rhodium	103-1				111		%
Rhodium	103-2				110		%
Scandium	45-1				110		%
Scandium	45-2				108		%
Selenium	82-1	0.15	0.16	-0.32	0.00		ppb
Selenium	77-2	1.48	1.25	1.27	1.34	9.67	ppb
Selenium	78-2	3.27	1.13	1.78	2.06	53.44	ppb
Silicon	28-1	179.22	179.33	176.93	178.49	0.76	ppb
Silver	107-1	0.10	0.12	0.10	0.10	10.03	ppb
Silver	109-1	0.11	0.09	0.11	0.10	9.05	ppb
Sodium	23-2	2023.13	2011.29	2016.01	2016.81	0.30	ppb
Strontium	86-1	42.97	40.99	41.33	41.76	2.54	ppb
Strontium	88-1	40.97	41.13	40.90	41.00	0.28	ppb
Sulfur	34-1	-853.45	-517.67	-418.65	-596.59		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	0.19	0.14	0.12	0.15	22.44	ppb
Thallium	205-1	0.19	0.15	0.14	0.16	17.25	ppb
Tin	118-1	33.58	35.20	34.72	34.50	2.42	ppb
Titanium	47-1	74.97	75.46	76.65	75.69	1.14	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-02	Instrumnet Name :	P7
Client Sample ID :	0804-D	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:53:34	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.26	0.26	0.27	0.26	2.14	ppb
Vanadium	51-2	6.70	6.73	6.87	6.77	1.36	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	78.29	76.57	78.93	77.93	1.57	ppb
Zirconium	90-1	2.20	2.13	2.11	2.14	2.14	ppb
Zirconium	91-1	2.21	2.21	2.09	2.17	3.35	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03	Instrumnet Name :	P7
Client Sample ID :	0804-E	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:56:49	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18233.95	18223.66	18716.34	18391.31	1.53	ppb
Antimony	121-1	0.84	0.83	0.82	0.83	1.29	ppb
Arsenic	75-2	7.61	8.09	7.98	7.89	3.18	ppb
Barium	135-1	475.46	479.26	478.70	477.80	0.43	ppb
Barium	137-1	482.17	482.41	484.91	483.16	0.31	ppb
Beryllium	9-1	7.72	8.15	8.17	8.01	3.19	ppb
Bismuth	209-1				108		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.71	16.03	14.78	14.84	7.84	ppb
Cadmium	106-1	16.46	16.58	15.53	16.19	3.55	ppb
Cadmium	111-1	14.49	14.90	14.55	14.64	1.50	ppb
Calcium	43-1	98463.50	96864.40	99987.38	98438.43	1.59	ppb
Calcium	44-1	96414.19	97142.18	97864.62	97140.33	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	63.91	64.00	64.41	64.11	0.41	ppb
Cobalt	59-2	63.21	64.86	63.61	63.89	1.35	ppb
Copper	63-2	75.64	77.70	76.49	76.61	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				114		%
Holmium	165-2				116		%
Indium	115-1				118		%
Indium	115-2				119		%
Iron	56-2	39822.87	40846.07	39967.64	40212.19	1.38	ppb
Iron	57-2	39221.90	40887.73	39872.87	39994.16	2.10	ppb
Iron	54-2	39545.97	40024.17	40278.26	39949.47	0.93	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03	Instrumnet Name :	P7
Client Sample ID :	0804-E	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:56:49	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	136.76	137.66	146.36	140.26	3.78	ppb
Lead	207-1	133.04	131.29	138.87	134.40	2.95	ppb
Lead	208-1	134.09	134.56	140.39	136.34	2.57	ppb
Lithium	6-1				98		%
Magnesium	24-2	45160.09	46404.79	45222.05	45595.65	1.54	ppb
Manganese	55-2	1184.80	1220.42	1207.66	1204.29	1.50	ppb
Molybdenum	94-1	35.72	35.37	35.82	35.64	0.67	ppb
Molybdenum	95-1	21.80	22.01	22.50	22.10	1.62	ppb
Molybdenum	96-1	23.52	24.07	23.94	23.84	1.21	ppb
Molybdenum	97-1	22.27	22.27	22.88	22.47	1.55	ppb
Molybdenum	98-1	21.83	22.17	22.62	22.21	1.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	57.46	57.77	57.19	57.47	0.50	ppb
Phosphorus	31-2	17017.72	16958.73	17099.08	17025.18	0.41	ppb
Potassium	39-2	25599.54	25808.51	26218.35	25875.47	1.22	ppb
Rhodium	103-1				116		%
Rhodium	103-2				115		%
Scandium	45-1				119		%
Scandium	45-2				119		%
Selenium	82-1	3.47	2.99	3.92	3.46	13.53	ppb
Selenium	77-2	21.03	20.19	21.27	20.83	2.74	ppb
Selenium	78-2	7.73	8.14	7.71	7.86	3.09	ppb
Silicon	28-1	15693.13	15742.25	16146.94	15860.77	1.57	ppb
Silver	107-1	0.12	0.13	0.14	0.13	5.30	ppb
Silver	109-1	0.12	0.13	0.12	0.12	2.22	ppb
Sodium	23-2	121780.06	124157.65	121563.42	122500.38	1.17	ppb
Strontium	86-1	321.39	313.66	315.75	316.93	1.26	ppb
Strontium	88-1	319.77	309.33	323.75	317.62	2.35	ppb
Sulfur	34-1	32012.43	31725.44	33161.03	32299.64	2.35	ppb
Terbium	159-1				117		%
Terbium	159-2				118		%
Thallium	203-1	0.64	0.67	0.64	0.65	2.95	ppb
Thallium	205-1	0.65	0.64	0.69	0.66	3.71	ppb
Tin	118-1	3.96	3.18	3.23	3.46	12.63	ppb
Titanium	47-1	172.86	174.57	178.71	175.38	1.71	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03	Instrumnet Name :	P7
Client Sample ID :	0804-E	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:56:49	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.50	6.65	6.64	6.60	1.25	ppb
Vanadium	51-2	378.82	385.22	386.39	383.48	1.06	ppb
Yttrium	89-1				127		%
Yttrium	89-2				130		%
Zinc	66-2	400.30	412.54	411.30	408.05	1.65	ppb
Zirconium	90-1	9.34	9.24	9.62	9.40	2.06	ppb
Zirconium	91-1	9.79	9.62	9.67	9.70	0.91	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:00:01	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	31.31	32.01	32.03	31.78	1.28	ppb
Antimony	121-1	0.22	0.20	0.24	0.22	10.75	ppb
Arsenic	75-2	0.70	0.55	0.65	0.63	11.96	ppb
Barium	135-1	444.47	439.87	442.71	442.35	0.52	ppb
Barium	137-1	449.54	447.20	446.70	447.81	0.34	ppb
Beryllium	9-1	0.05	0.06	0.08	0.07	19.37	ppb
Bismuth	209-1				110		%
Bismuth	209-2				115		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.14	0.11	0.25	0.16	45.12	ppb
Cadmium	106-1	-0.22	-1.42	-0.85	-0.83		ppb
Cadmium	111-1	0.01	-0.08	-0.05	-0.04		ppb
Calcium	43-1	30437.21	30431.37	30777.50	30548.69	0.65	ppb
Calcium	44-1	29174.84	29755.24	29737.66	29555.91	1.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.17	0.17	0.25	0.20	23.14	ppb
Cobalt	59-2	8.17	8.15	8.37	8.23	1.52	ppb
Copper	63-2	0.19	0.19	0.23	0.20	12.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				116		%
Indium	115-1				122		%
Indium	115-2				121		%
Iron	56-2	7325.65	7227.43	7373.60	7308.89	1.02	ppb
Iron	57-2	7560.07	7448.50	7761.89	7590.15	2.09	ppb
Iron	54-2	7427.97	7450.37	7618.28	7498.87	1.39	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:00:01	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.63	0.63	0.61	0.62	1.59	ppb
Lead	207-1	0.58	0.61	0.60	0.60	3.24	ppb
Lead	208-1	0.61	0.64	0.59	0.61	3.81	ppb
Lithium	6-1				97		%
Magnesium	24-2	9224.57	9189.50	9380.85	9264.97	1.10	ppb
Manganese	55-2	615.95	605.65	631.31	617.64	2.09	ppb
Molybdenum	94-1	11.06	11.07	11.13	11.09	0.35	ppb
Molybdenum	95-1	13.26	13.39	13.44	13.37	0.69	ppb
Molybdenum	96-1	13.14	13.12	13.32	13.19	0.83	ppb
Molybdenum	97-1	13.57	13.61	13.67	13.62	0.36	ppb
Molybdenum	98-1	13.36	13.45	13.70	13.51	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.27	11.32	11.31	11.30	0.24	ppb
Phosphorus	31-2	226.98	229.39	245.03	233.80	4.19	ppb
Potassium	39-2	7990.90	7844.34	8009.64	7948.29	1.14	ppb
Rhodium	103-1				121		%
Rhodium	103-2				120		%
Scandium	45-1				119		%
Scandium	45-2				118		%
Selenium	82-1	0.36	-0.35	0.10	0.04	934.91	ppb
Selenium	77-2	0.20	0.00	0.20	0.13	86.61	ppb
Selenium	78-2	-0.33	0.73	1.66	0.68	145.44	ppb
Silicon	28-1	3839.49	3977.49	4005.72	3940.90	2.26	ppb
Silver	107-1	0.00	0.00	0.00	0.00	123.40	ppb
Silver	109-1	0.01	0.01	0.01	0.01	20.64	ppb
Sodium	23-2	6206.36	6091.17	6226.42	6174.65	1.18	ppb
Strontium	86-1	285.91	287.41	291.85	288.39	1.07	ppb
Strontium	88-1	292.73	292.92	293.85	293.17	0.21	ppb
Sulfur	34-1	8230.66	8446.84	8665.63	8447.71	2.57	ppb
Terbium	159-1				115		%
Terbium	159-2				119		%
Thallium	203-1	0.22	0.22	0.20	0.21	6.32	ppb
Thallium	205-1	0.21	0.22	0.19	0.21	6.64	ppb
Tin	118-1	1.03	1.02	1.01	1.02	0.94	ppb
Titanium	47-1	0.74	0.81	0.96	0.84	13.20	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:00:01	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	3.31	ppb
Vanadium	51-2	0.31	0.30	0.27	0.29	6.33	ppb
Yttrium	89-1				115		%
Yttrium	89-2				115		%
Zinc	66-2	3.08	2.75	3.42	3.08	10.82	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	16.29	ppb
Zirconium	91-1	0.02	0.04	0.01	0.03	57.13	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03DUP	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:03:09	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	30.15	31.18	29.07	30.13	3.50	ppb
Antimony	121-1	0.21	0.21	0.19	0.20	5.34	ppb
Arsenic	75-2	0.67	0.61	0.63	0.64	4.58	ppb
Barium	135-1	433.88	429.21	429.39	430.83	0.61	ppb
Barium	137-1	442.43	432.86	433.40	436.23	1.23	ppb
Beryllium	9-1	0.03	0.05	0.05	0.04	24.91	ppb
Bismuth	209-1				110		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.02	0.13	0.08	69.98	ppb
Cadmium	106-1	-0.31	-1.24	-2.42	-1.32		ppb
Cadmium	111-1	-0.02	-0.08	-0.17	-0.09		ppb
Calcium	43-1	28794.97	30064.22	29844.50	29567.90	2.29	ppb
Calcium	44-1	28443.13	29367.44	28899.36	28903.31	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.28	0.30	0.34	0.31	10.22	ppb
Cobalt	59-2	8.14	8.26	8.13	8.18	0.87	ppb
Copper	63-2	0.16	0.17	0.16	0.16	3.84	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				116		%
Holmium	165-2				117		%
Indium	115-1				120		%
Indium	115-2				121		%
Iron	56-2	7221.71	7415.27	7360.54	7332.51	1.36	ppb
Iron	57-2	7495.69	7604.51	7572.25	7557.48	0.74	ppb
Iron	54-2	7448.35	7593.67	7486.02	7509.35	1.00	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03DUP	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:03:09	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.01	0.04	0.03	52.12	ppb
Lead	207-1	0.01	0.02	0.04	0.02	52.63	ppb
Lead	208-1	0.02	0.02	0.04	0.02	54.53	ppb
Lithium	6-1				97		%
Magnesium	24-2	8995.10	9433.88	9160.65	9196.55	2.41	ppb
Manganese	55-2	598.84	625.04	627.16	617.02	2.56	ppb
Molybdenum	94-1	14.22	14.30	14.34	14.29	0.44	ppb
Molybdenum	95-1	16.96	17.23	17.19	17.13	0.83	ppb
Molybdenum	96-1	16.69	17.08	16.72	16.83	1.28	ppb
Molybdenum	97-1	17.52	17.48	17.48	17.49	0.14	ppb
Molybdenum	98-1	16.92	17.12	17.38	17.14	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.77	11.35	11.11	11.08	2.66	ppb
Phosphorus	31-2	236.61	247.56	229.17	237.78	3.89	ppb
Potassium	39-2	7950.82	8043.52	8101.19	8031.84	0.94	ppb
Rhodium	103-1				120		%
Rhodium	103-2				119		%
Scandium	45-1				120		%
Scandium	45-2				117		%
Selenium	82-1	0.05	-0.39	-0.12	-0.15		ppb
Selenium	77-2	0.40	0.20	0.00	0.20	100.42	ppb
Selenium	78-2	1.93	1.22	1.84	1.66	23.35	ppb
Silicon	28-1	3781.62	3947.72	3941.38	3890.24	2.42	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	182.43	ppb
Sodium	23-2	6124.63	6217.86	6002.69	6115.06	1.76	ppb
Strontium	86-1	282.42	282.82	285.12	283.46	0.51	ppb
Strontium	88-1	280.89	288.02	285.97	284.96	1.29	ppb
Sulfur	34-1	7843.08	8560.54	8798.80	8400.81	5.92	ppb
Terbium	159-1				116		%
Terbium	159-2				117		%
Thallium	203-1	0.16	0.19	0.18	0.18	7.08	ppb
Thallium	205-1	0.17	0.20	0.19	0.19	7.97	ppb
Tin	118-1	0.95	0.91	0.93	0.93	2.09	ppb
Titanium	47-1	0.79	0.85	0.76	0.80	6.18	ppb

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Inst Id :P7
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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03DUP	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:03:09	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	14.19	ppb
Vanadium	51-2	0.28	0.31	0.27	0.29	7.65	ppb
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	3.44	3.56	3.21	3.40	5.16	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	3.48	ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	93.64	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03LX5	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025l	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:06:24	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.93	4.88	4.38	4.40	10.87	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	9.02	ppb
Arsenic	75-2	0.09	0.14	0.13	0.12	23.98	ppb
Barium	135-1	90.88	88.42	92.22	90.51	2.13	ppb
Barium	137-1	90.81	91.26	90.82	90.96	0.28	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	25.75	ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.03	0.04	0.05	39.24	ppb
Cadmium	106-1	-0.43	-1.36	-2.52	-1.44		ppb
Cadmium	111-1	-0.02	-0.08	-0.17	-0.09		ppb
Calcium	43-1	6312.73	6394.15	6111.45	6272.78	2.32	ppb
Calcium	44-1	6125.42	6150.85	6129.17	6135.15	0.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.15	0.18	0.20	0.17	15.02	ppb
Cobalt	59-2	1.65	1.69	1.63	1.65	1.79	ppb
Copper	63-2	0.07	0.09	0.10	0.09	17.19	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				103		%
Holmium	165-2				106		%
Indium	115-1				110		%
Indium	115-2				112		%
Iron	56-2	1512.42	1563.26	1514.59	1530.09	1.88	ppb
Iron	57-2	1559.28	1622.95	1585.07	1589.10	2.02	ppb
Iron	54-2	1553.40	1622.87	1563.35	1579.88	2.38	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03LX5	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025l	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:06:24	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.05	0.06	0.05	26.70	ppb
Lead	207-1	0.04	0.07	0.04	0.05	32.43	ppb
Lead	208-1	0.04	0.07	0.05	0.05	20.48	ppb
Lithium	6-1				88		%
Magnesium	24-2	1833.19	1904.62	1836.49	1858.10	2.17	ppb
Manganese	55-2	123.79	129.58	124.22	125.86	2.56	ppb
Molybdenum	94-1	2.09	2.07	2.08	2.08	0.50	ppb
Molybdenum	95-1	2.42	2.48	2.58	2.49	3.42	ppb
Molybdenum	96-1	2.40	2.56	2.48	2.48	3.26	ppb
Molybdenum	97-1	2.55	2.61	2.66	2.61	2.27	ppb
Molybdenum	98-1	2.51	2.47	2.60	2.53	2.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.18	2.56	2.29	2.34	8.27	ppb
Phosphorus	31-2	5.15	12.33	19.84	12.44	59.04	ppb
Potassium	39-2	1643.83	1745.81	1673.45	1687.70	3.11	ppb
Rhodium	103-1				109		%
Rhodium	103-2				111		%
Scandium	45-1				106		%
Scandium	45-2				108		%
Selenium	82-1	-0.63	-0.80	-1.45	-0.96		ppb
Selenium	77-2	0.00	0.22	0.21	0.14	86.64	ppb
Selenium	78-2	2.01	2.58	3.20	2.59	22.93	ppb
Silicon	28-1	802.69	843.44	817.98	821.37	2.51	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	42.85	ppb
Sodium	23-2	1235.09	1281.81	1233.83	1250.25	2.19	ppb
Strontium	86-1	58.70	60.86	60.52	60.03	1.94	ppb
Strontium	88-1	59.85	59.45	58.77	59.36	0.92	ppb
Sulfur	34-1	-324.86	105.31	-299.48	-173.01		ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	203-1	0.03	0.03	0.02	0.03	20.99	ppb
Thallium	205-1	0.03	0.02	0.02	0.03	21.41	ppb
Tin	118-1	0.11	0.10	0.13	0.11	11.66	ppb
Titanium	47-1	0.13	0.13	0.24	0.17	35.70	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03LX5	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025l	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:06:24	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	325.05	ppb
Vanadium	51-2	0.05	0.07	0.05	0.06	12.33	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	0.11	0.29	-0.04	0.12	133.66	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	76.93	ppb
Zirconium	91-1	0.00	0.01	0.00	0.00	208.10	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-04	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:09:39	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8465.05	8258.20	8585.44	8436.23	1.96	ppb
Antimony	121-1	467.00	458.93	466.68	464.20	0.98	ppb
Arsenic	75-2	486.97	479.02	499.92	488.64	2.16	ppb
Barium	135-1	2545.48	2562.94	2628.50	2578.97	1.70	ppb
Barium	137-1	2541.26	2563.34	2639.81	2581.47	2.00	ppb
Beryllium	9-1	480.23	486.22	487.43	484.63	0.80	ppb
Bismuth	209-1				112		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	451.03	451.49	461.19	454.57	1.26	ppb
Cadmium	106-1	472.03	478.43	481.35	477.27	1.00	ppb
Cadmium	111-1	467.81	471.10	479.14	472.68	1.23	ppb
Calcium	43-1	72916.87	73888.12	75609.58	74138.19	1.84	ppb
Calcium	44-1	72986.01	73902.24	73615.08	73501.11	0.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	450.61	458.53	458.77	455.97	1.02	ppb
Cobalt	59-2	463.99	472.54	491.88	476.14	3.00	ppb
Copper	63-2	4256.00	4336.56	4444.78	4345.78	2.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				118		%
Indium	115-1				119		%
Indium	115-2				119		%
Iron	56-2	28317.11	29065.98	29323.46	28902.18	1.81	ppb
Iron	57-2	28484.96	28834.04	29438.65	28919.22	1.67	ppb
Iron	54-2	28948.23	28680.88	29419.69	29016.26	1.29	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-04	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:09:39	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2330.54	2381.61	2279.67	2330.61	2.19	ppb
Lead	207-1	2338.78	2404.48	2279.48	2340.91	2.67	ppb
Lead	208-1	2307.98	2361.66	2289.52	2319.72	1.62	ppb
Lithium	6-1				99		%
Magnesium	24-2	56129.63	53857.04	55170.43	55052.37	2.07	ppb
Manganese	55-2	4896.77	4849.27	4953.22	4899.75	1.06	ppb
Molybdenum	94-1	2188.81	2196.98	2209.53	2198.44	0.47	ppb
Molybdenum	95-1	1713.95	1697.23	1718.50	1709.89	0.66	ppb
Molybdenum	96-1	1795.28	1765.43	1762.05	1774.26	1.03	ppb
Molybdenum	97-1	1723.62	1710.47	1721.40	1718.50	0.41	ppb
Molybdenum	98-1	1664.43	1661.74	1713.78	1679.98	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	460.08	480.55	494.30	478.31	3.60	ppb
Phosphorus	31-2	215.44	227.35	239.27	227.35	5.24	ppb
Potassium	39-2	28716.06	29782.86	30663.80	29720.91	3.28	ppb
Rhodium	103-1				119		%
Rhodium	103-2				118		%
Scandium	45-1				119		%
Scandium	45-2				117		%
Selenium	82-1	466.69	473.18	486.20	475.36	2.09	ppb
Selenium	77-2	445.46	462.21	484.53	464.07	4.22	ppb
Selenium	78-2	464.93	470.71	485.26	473.63	2.21	ppb
Silicon	28-1	3811.12	3807.76	3923.70	3847.53	1.72	ppb
Silver	107-1	85.15	83.91	86.94	85.33	1.79	ppb
Silver	109-1	82.74	83.67	85.60	84.00	1.73	ppb
Sodium	23-2	52762.55	51621.48	52335.89	52239.97	1.10	ppb
Strontium	86-1	801.46	833.84	826.68	820.66	2.07	ppb
Strontium	88-1	804.66	813.70	829.87	816.08	1.57	ppb
Sulfur	34-1	8444.26	8552.63	9381.73	8792.88	5.83	ppb
Terbium	159-1				120		%
Terbium	159-2				118		%
Thallium	203-1	457.87	484.47	462.41	468.25	3.04	ppb
Thallium	205-1	464.42	467.06	453.75	461.74	1.53	ppb
Tin	118-1	432.11	437.88	441.40	437.13	1.07	ppb
Titanium	47-1	2.38	2.61	2.55	2.51	4.76	ppb

Reviewed By:jaswal
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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-04	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:09:39	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	424.43	436.49	437.06	432.66	1.65	ppb
Vanadium	51-2	466.87	464.53	468.60	466.67	0.44	ppb
Yttrium	89-1				114		%
Yttrium	89-2				114		%
Zinc	66-2	4532.46	4472.54	4558.72	4521.24	0.98	ppb
Zirconium	90-1	453.19	453.11	459.03	455.11	0.75	ppb
Zirconium	91-1	441.49	449.04	454.17	448.23	1.42	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-05	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:12:27	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8453.04	8689.38	8280.00	8474.14	2.43	ppb
Antimony	121-1	481.44	475.73	489.84	482.33	1.47	ppb
Arsenic	75-2	460.74	479.74	459.72	466.73	2.42	ppb
Barium	135-1	2631.82	2678.47	2645.49	2651.92	0.90	ppb
Barium	137-1	2612.67	2651.45	2675.28	2646.47	1.19	ppb
Beryllium	9-1	491.67	481.51	494.02	489.06	1.36	ppb
Bismuth	209-1				110		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	471.42	458.13	483.47	471.00	2.69	ppb
Cadmium	106-1	483.12	482.41	498.24	487.92	1.83	ppb
Cadmium	111-1	477.21	484.88	489.71	483.93	1.30	ppb
Calcium	43-1	73958.31	74839.40	74860.22	74552.64	0.69	ppb
Calcium	44-1	74508.90	73430.22	74555.69	74164.94	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	453.06	455.70	456.20	454.98	0.37	ppb
Cobalt	59-2	483.70	487.45	472.81	481.32	1.58	ppb
Copper	63-2	4392.75	4352.33	4368.39	4371.16	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				117		%
Indium	115-1				120		%
Indium	115-2				118		%
Iron	56-2	28853.06	29367.85	28139.26	28786.72	2.14	ppb
Iron	57-2	29092.36	29391.90	28500.52	28994.93	1.56	ppb
Iron	54-2	29201.50	29862.73	28999.48	29354.57	1.54	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-05	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:12:27	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2356.04	2397.98	2441.75	2398.59	1.79	ppb
Lead	207-1	2313.24	2377.26	2468.81	2386.43	3.28	ppb
Lead	208-1	2336.34	2353.97	2422.01	2370.77	1.91	ppb
Lithium	6-1				97		%
Magnesium	24-2	54727.98	56477.47	53745.65	54983.70	2.52	ppb
Manganese	55-2	4967.67	5013.95	4884.11	4955.24	1.33	ppb
Molybdenum	94-1	2176.02	2164.79	2239.43	2193.42	1.83	ppb
Molybdenum	95-1	1682.40	1661.61	1748.22	1697.41	2.66	ppb
Molybdenum	96-1	1722.83	1723.76	1777.96	1741.51	1.81	ppb
Molybdenum	97-1	1698.23	1649.33	1707.40	1684.98	1.85	ppb
Molybdenum	98-1	1692.05	1653.91	1664.95	1670.30	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	487.84	476.86	482.79	482.50	1.14	ppb
Phosphorus	31-2	231.07	200.27	212.47	214.60	7.23	ppb
Potassium	39-2	30387.46	29281.22	29957.41	29875.36	1.87	ppb
Rhodium	103-1				118		%
Rhodium	103-2				116		%
Scandium	45-1				117		%
Scandium	45-2				116		%
Selenium	82-1	463.83	463.62	478.18	468.54	1.78	ppb
Selenium	77-2	480.17	476.02	467.03	474.41	1.42	ppb
Selenium	78-2	467.13	470.81	457.28	465.07	1.50	ppb
Silicon	28-1	3715.53	3752.30	3767.33	3745.06	0.71	ppb
Silver	107-1	87.30	86.95	88.52	87.59	0.94	ppb
Silver	109-1	85.87	85.29	87.10	86.09	1.07	ppb
Sodium	23-2	51823.65	53636.69	50341.35	51933.90	3.18	ppb
Strontium	86-1	799.31	808.90	837.62	815.27	2.45	ppb
Strontium	88-1	785.72	800.07	811.52	799.10	1.62	ppb
Sulfur	34-1	8791.22	8826.65	9186.44	8934.77	2.45	ppb
Terbium	159-1				117		%
Terbium	159-2				118		%
Thallium	203-1	463.40	478.26	472.35	471.34	1.59	ppb
Thallium	205-1	464.82	479.24	486.90	476.99	2.35	ppb
Tin	118-1	444.07	442.42	451.02	445.84	1.02	ppb
Titanium	47-1	2.46	2.51	2.48	2.48	1.19	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-05	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:12:27	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	439.40	448.14	444.14	443.89	0.98	ppb
Vanadium	51-2	475.30	482.75	469.86	475.97	1.36	ppb
Yttrium	89-1				115		%
Yttrium	89-2				114		%
Zinc	66-2	4609.54	4537.85	4492.92	4546.77	1.29	ppb
Zirconium	90-1	441.50	442.70	449.78	444.66	1.01	ppb
Zirconium	91-1	435.40	438.01	447.36	440.26	1.43	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03A	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025/	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:15:13	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8231.53	8357.83	8088.08	8225.81	1.64	ppb
Antimony	121-1	463.19	470.09	484.58	472.62	2.31	ppb
Arsenic	75-2	491.09	477.86	495.78	488.24	1.90	ppb
Barium	135-1	2572.93	2583.10	2643.94	2599.99	1.48	ppb
Barium	137-1	2566.57	2633.43	2621.50	2607.17	1.37	ppb
Beryllium	9-1	470.87	477.20	484.15	477.41	1.39	ppb
Bismuth	209-1				112		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	456.41	471.71	467.54	465.22	1.70	ppb
Cadmium	106-1	471.91	481.26	483.09	478.76	1.25	ppb
Cadmium	111-1	468.21	479.15	484.47	477.28	1.74	ppb
Calcium	43-1	73313.35	71460.09	73999.11	72924.18	1.80	ppb
Calcium	44-1	72279.95	71662.13	74039.42	72660.50	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	448.78	440.96	450.63	446.79	1.15	ppb
Cobalt	59-2	464.11	461.88	468.98	464.99	0.78	ppb
Copper	63-2	4367.33	4312.16	4315.55	4331.68	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				118		%
Holmium	165-2				119		%
Indium	115-1				120		%
Indium	115-2				119		%
Iron	56-2	28352.00	28030.68	28161.36	28181.34	0.57	ppb
Iron	57-2	28257.29	27946.41	28220.58	28141.43	0.60	ppb
Iron	54-2	28509.54	28241.87	28212.41	28321.27	0.58	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03A	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025/	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:15:13	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2333.74	2198.95	2303.99	2278.89	3.11	ppb
Lead	207-1	2360.51	2236.57	2317.15	2304.74	2.73	ppb
Lead	208-1	2345.17	2233.46	2318.80	2299.14	2.54	ppb
Lithium	6-1				97		%
Magnesium	24-2	53665.83	53491.88	53603.63	53587.11	0.16	ppb
Manganese	55-2	4838.61	4780.77	4807.05	4808.81	0.60	ppb
Molybdenum	94-1	2169.88	2207.21	2169.73	2182.27	0.99	ppb
Molybdenum	95-1	1675.13	1681.12	1685.45	1680.57	0.31	ppb
Molybdenum	96-1	1706.33	1761.82	1753.11	1740.42	1.71	ppb
Molybdenum	97-1	1657.16	1687.97	1713.08	1686.07	1.66	ppb
Molybdenum	98-1	1668.58	1659.60	1674.56	1667.58	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	467.04	463.12	469.59	466.58	0.70	ppb
Phosphorus	31-2	210.22	209.33	217.92	212.49	2.22	ppb
Potassium	39-2	28722.57	28184.64	28651.60	28519.60	1.02	ppb
Rhodium	103-1				120		%
Rhodium	103-2				119		%
Scandium	45-1				118		%
Scandium	45-2				117		%
Selenium	82-1	462.42	474.97	472.04	469.81	1.40	ppb
Selenium	77-2	455.53	459.49	467.84	460.96	1.36	ppb
Selenium	78-2	483.61	469.87	477.94	477.14	1.45	ppb
Silicon	28-1	3655.16	3647.74	3731.78	3678.22	1.26	ppb
Silver	107-1	84.67	85.72	86.80	85.73	1.24	ppb
Silver	109-1	83.91	84.87	85.31	84.70	0.85	ppb
Sodium	23-2	51314.99	50706.37	49769.14	50596.83	1.54	ppb
Strontium	86-1	796.50	809.10	825.09	810.23	1.77	ppb
Strontium	88-1	804.04	820.54	813.48	812.69	1.02	ppb
Sulfur	34-1	8588.15	8440.41	8836.71	8621.76	2.32	ppb
Terbium	159-1				118		%
Terbium	159-2				119		%
Thallium	203-1	465.22	441.95	463.86	457.01	2.86	ppb
Thallium	205-1	466.65	436.84	464.21	455.90	3.63	ppb
Tin	118-1	419.65	429.76	447.43	432.28	3.25	ppb
Titanium	47-1	2.31	2.39	2.39	2.36	2.02	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03A	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025/	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:15:13	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	450.10	428.31	431.46	436.62	2.70	ppb
Vanadium	51-2	467.07	453.45	461.49	460.67	1.49	ppb
Yttrium	89-1				114		%
Yttrium	89-2				114		%
Zinc	66-2	4481.07	4428.09	4408.06	4439.08	0.85	ppb
Zirconium	90-1	441.45	442.49	448.75	444.23	0.89	ppb
Zirconium	91-1	437.20	446.32	439.73	441.08	1.07	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-09	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:18:02	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.78	13.69	11.32	12.26	10.23	ppb
Antimony	121-1	0.22	0.24	0.22	0.23	4.29	ppb
Arsenic	75-2	0.55	0.62	0.45	0.54	15.99	ppb
Barium	135-1	430.46	428.70	422.37	427.17	1.00	ppb
Barium	137-1	432.93	434.42	424.51	430.62	1.24	ppb
Beryllium	9-1	0.04	0.08	0.07	0.06	31.46	ppb
Bismuth	209-1				112		%
Bismuth	209-2				115		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.10	0.08	0.09	19.10	ppb
Cadmium	106-1	0.76	-1.09	-1.47	-0.60		ppb
Cadmium	111-1	0.10	-0.03	-0.05	0.01	1078.78	ppb
Calcium	43-1	32617.62	32451.27	33105.39	32724.76	1.04	ppb
Calcium	44-1	32036.44	31527.74	32011.12	31858.43	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.24	-0.22	-0.21	-0.22		ppb
Cobalt	59-2	8.17	8.12	8.11	8.13	0.44	ppb
Copper	63-2	0.28	0.31	0.29	0.29	4.32	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				116		%
Holmium	165-2				116		%
Indium	115-1				122		%
Indium	115-2				121		%
Iron	56-2	6723.34	6864.50	6851.09	6812.97	1.14	ppb
Iron	57-2	7056.17	6961.26	7046.31	7021.25	0.74	ppb
Iron	54-2	6928.24	6908.49	7018.19	6951.64	0.84	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-09	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:18:02	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.04	0.04	0.04	17.20	ppb
Lead	207-1	0.03	0.02	0.03	0.03	27.71	ppb
Lead	208-1	0.03	0.03	0.04	0.03	10.09	ppb
Lithium	6-1				97		%
Magnesium	24-2	10055.05	9719.16	9658.98	9811.06	2.18	ppb
Manganese	55-2	638.85	645.51	642.05	642.14	0.52	ppb
Molybdenum	94-1	10.73	10.75	10.83	10.77	0.48	ppb
Molybdenum	95-1	12.63	12.66	12.77	12.68	0.59	ppb
Molybdenum	96-1	12.31	12.49	12.32	12.37	0.80	ppb
Molybdenum	97-1	13.28	12.82	13.05	13.05	1.74	ppb
Molybdenum	98-1	12.77	12.62	12.73	12.71	0.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.37	10.03	10.43	10.28	2.08	ppb
Phosphorus	31-2	203.19	173.31	199.96	192.15	8.53	ppb
Potassium	39-2	8239.77	8144.91	8192.10	8192.26	0.58	ppb
Rhodium	103-1				120		%
Rhodium	103-2				120		%
Scandium	45-1				116		%
Scandium	45-2				116		%
Selenium	82-1	-0.17	-0.56	0.31	-0.14		ppb
Selenium	77-2	0.20	0.00	0.00	0.07	173.21	ppb
Selenium	78-2	1.30	0.32	-0.37	0.42	201.36	ppb
Silicon	28-1	4031.02	3978.31	4105.50	4038.28	1.58	ppb
Silver	107-1	0.04	0.03	0.03	0.03	19.92	ppb
Silver	109-1	0.03	0.04	0.04	0.04	4.75	ppb
Sodium	23-2	6554.42	6492.20	6508.00	6518.21	0.50	ppb
Strontium	86-1	305.61	306.51	308.91	307.01	0.56	ppb
Strontium	88-1	307.10	308.86	306.07	307.34	0.46	ppb
Sulfur	34-1	11901.55	11941.37	12128.05	11990.32	1.01	ppb
Terbium	159-1				118		%
Terbium	159-2				118		%
Thallium	203-1	0.44	0.43	0.35	0.40	11.73	ppb
Thallium	205-1	0.43	0.39	0.36	0.39	8.04	ppb
Tin	118-1	-0.12	-0.13	-0.12	-0.12		ppb
Titanium	47-1	0.52	0.50	0.62	0.54	12.11	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-09	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:18:02	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.02	0.02	11.06	ppb
Vanadium	51-2	0.16	0.17	0.19	0.17	9.47	ppb
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	1.42	1.51	1.20	1.38	11.75	ppb
Zirconium	90-1	0.17	0.15	0.16	0.16	6.38	ppb
Zirconium	91-1	0.15	0.15	0.13	0.14	7.77	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:21:12	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47712.38	49399.13	49080.31	48730.61	1.84	ppb
Antimony	121-1	507.61	497.31	503.37	502.76	1.03	ppb
Arsenic	75-2	479.22	488.20	471.09	479.50	1.78	ppb
Barium	135-1	2504.88	2515.55	2572.82	2531.08	1.44	ppb
Barium	137-1	2530.65	2436.63	2531.14	2499.47	2.18	ppb
Beryllium	9-1	505.66	518.64	505.88	510.06	1.46	ppb
Bismuth	209-1				97		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	490.40	487.02	494.77	490.73	0.79	ppb
Cadmium	106-1	498.00	498.25	507.82	501.36	1.12	ppb
Cadmium	111-1	494.73	486.76	501.11	494.20	1.45	ppb
Calcium	43-1	251828.93	258245.10	248624.64	252899.55	1.94	ppb
Calcium	44-1	247013.86	259872.82	251949.75	252945.48	2.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	494.89	497.61	491.42	494.64	0.63	ppb
Cobalt	59-2	492.66	488.24	492.41	491.10	0.51	ppb
Copper	63-2	4882.79	4874.53	4912.64	4889.99	0.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				108		%
Indium	115-2				108		%
Iron	56-2	126248.97	129620.24	130623.76	128830.99	1.78	ppb
Iron	57-2	127059.89	125671.06	128569.66	127100.20	1.14	ppb
Iron	54-2	127680.48	130367.80	130209.35	129419.21	1.17	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:21:12	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2473.84	2532.46	2593.55	2533.28	2.36	ppb
Lead	207-1	2480.76	2500.33	2527.69	2502.93	0.94	ppb
Lead	208-1	2478.52	2507.70	2515.24	2500.48	0.78	ppb
Lithium	6-1				91		%
Magnesium	24-2	242864.53	244387.89	242571.69	243274.70	0.40	ppb
Manganese	55-2	4784.52	5011.11	4991.53	4929.05	2.55	ppb
Molybdenum	94-1	4905.43	4876.01	4931.58	4904.34	0.57	ppb
Molybdenum	95-1	4906.83	4904.83	4960.55	4924.07	0.64	ppb
Molybdenum	96-1	4910.86	4860.02	4959.78	4910.22	1.02	ppb
Molybdenum	97-1	4899.38	4870.59	5056.88	4942.28	2.03	ppb
Molybdenum	98-1	4852.19	4895.02	5040.48	4929.23	2.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	475.95	482.22	483.15	480.44	0.81	ppb
Phosphorus	31-2	9634.16	9740.36	9689.18	9687.90	0.55	ppb
Potassium	39-2	126033.50	128922.97	129746.27	128234.25	1.52	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	464.22	469.07	482.40	471.90	2.00	ppb
Selenium	77-2	463.62	482.35	464.74	470.23	2.23	ppb
Selenium	78-2	475.84	490.49	465.35	477.23	2.65	ppb
Silicon	28-1	488.92	505.66	483.59	492.72	2.34	ppb
Silver	107-1	509.55	498.30	515.90	507.92	1.76	ppb
Silver	109-1	510.31	494.79	515.00	506.70	2.09	ppb
Sodium	23-2	243248.51	246364.43	247509.95	245707.63	0.90	ppb
Strontium	86-1	488.96	491.71	497.83	492.84	0.92	ppb
Strontium	88-1	494.89	496.63	500.28	497.27	0.55	ppb
Sulfur	34-1	8104.60	8603.02	8250.03	8319.22	3.08	ppb
Terbium	159-1				109		%
Terbium	159-2				110		%
Thallium	203-1	507.36	511.49	529.85	516.23	2.32	ppb
Thallium	205-1	499.46	512.32	521.75	511.18	2.19	ppb
Tin	118-1	511.17	503.60	515.90	510.22	1.22	ppb
Titanium	47-1	4771.90	4983.42	4860.88	4872.07	2.18	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:21:12	DataFile Name :	046CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	489.93	495.53	494.78	493.41	0.62	ppb
Vanadium	51-2	493.41	503.45	498.43	498.43	1.01	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	4737.45	4804.63	4795.56	4779.22	0.76	ppb
Zirconium	90-1	485.00	495.32	490.98	490.43	1.06	ppb
Zirconium	91-1	481.59	479.79	495.62	485.67	1.78	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:24:00	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.90	-2.18	-0.66	-1.58		ppb
Antimony	121-1	0.14	0.15	0.14	0.14	4.89	ppb
Arsenic	75-2	0.00	-0.01	-0.02	-0.01		ppb
Barium	135-1	0.00	-0.02	-0.03	-0.02		ppb
Barium	137-1	0.02	0.03	0.02	0.02	22.99	ppb
Beryllium	9-1	0.02	0.01	0.00	0.01	81.84	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.01	0.13	0.11	84.10	ppb
Cadmium	106-1	-1.45	0.11	-1.54	-0.96		ppb
Cadmium	111-1	-0.07	0.05	-0.07	-0.03		ppb
Calcium	43-1	-10.19	-3.75	-15.48	-9.81		ppb
Calcium	44-1	26.80	26.07	26.05	26.31	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.03	-0.04	0.00		ppb
Cobalt	59-2	-0.02	-0.01	-0.01	-0.02		ppb
Copper	63-2	0.17	0.18	0.18	0.18	2.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	0.11	0.45	0.04	0.20	107.31	ppb
Iron	57-2	0.32	3.66	0.64	1.54	119.44	ppb
Iron	54-2	0.38	1.29	1.60	1.09	58.10	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:24:00	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.00	0.02	0.02	76.83	ppb
Lead	207-1	0.02	0.02	0.03	0.02	35.98	ppb
Lead	208-1	0.02	0.02	0.02	0.02	8.29	ppb
Lithium	6-1				91		%
Magnesium	24-2	-4.37	-3.99	-4.39	-4.25		ppb
Manganese	55-2	0.01	0.02	0.06	0.03	85.86	ppb
Molybdenum	94-1	0.23	0.17	0.18	0.19	15.33	ppb
Molybdenum	95-1	0.20	0.15	0.12	0.16	23.75	ppb
Molybdenum	96-1	0.17	0.17	0.17	0.17	3.00	ppb
Molybdenum	97-1	0.20	0.20	0.13	0.18	23.74	ppb
Molybdenum	98-1	0.18	0.16	0.16	0.17	6.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.07	-0.10	-0.05		ppb
Phosphorus	31-2	-46.94	-46.60	-54.17	-49.24		ppb
Potassium	39-2	35.00	34.14	34.99	34.71	1.42	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	0.19	-1.08	-0.57	-0.48		ppb
Selenium	77-2	0.00	0.23	0.22	0.15	86.62	ppb
Selenium	78-2	0.46	1.68	0.43	0.86	83.34	ppb
Silicon	28-1	-0.33	-0.05	0.78	0.13	434.28	ppb
Silver	107-1	0.06	0.06	0.07	0.06	6.89	ppb
Silver	109-1	0.07	0.06	0.07	0.06	7.12	ppb
Sodium	23-2	54.74	53.37	50.65	52.92	3.94	ppb
Strontium	86-1	0.03	0.01	0.01	0.02	74.96	ppb
Strontium	88-1	0.01	0.01	0.01	0.01	27.80	ppb
Sulfur	34-1	-1111.68	-988.85	-737.66	-946.06		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.07	0.10	0.08	0.08	17.15	ppb
Thallium	205-1	0.08	0.09	0.09	0.09	4.77	ppb
Tin	118-1	-0.02	-0.04	-0.01	-0.02		ppb
Titanium	47-1	0.03	0.00	-0.01	0.01	408.06	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:24:00	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	28.17	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	25.71	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	-0.37	-0.71	-0.38	-0.49		ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	2.52	ppb
Zirconium	91-1	0.02	0.03	0.02	0.02	22.93	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-10	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:27:19	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8206.61	8228.41	8515.06	8316.69	2.07	ppb
Antimony	121-1	475.31	468.89	478.32	474.18	1.02	ppb
Arsenic	75-2	488.53	485.11	501.06	491.56	1.71	ppb
Barium	135-1	2545.09	2540.87	2678.30	2588.09	3.02	ppb
Barium	137-1	2569.77	2582.12	2643.56	2598.48	1.52	ppb
Beryllium	9-1	468.32	471.74	481.09	473.72	1.40	ppb
Bismuth	209-1				114		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	455.53	459.87	472.60	462.67	1.92	ppb
Cadmium	106-1	465.23	473.31	482.39	473.64	1.81	ppb
Cadmium	111-1	469.68	469.04	480.34	473.02	1.34	ppb
Calcium	43-1	72575.00	73800.45	71556.81	72644.08	1.55	ppb
Calcium	44-1	73409.27	73560.17	70075.37	72348.27	2.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	464.19	454.04	459.80	459.34	1.11	ppb
Cobalt	59-2	480.58	470.62	473.75	474.98	1.07	ppb
Copper	63-2	4246.09	4212.97	4281.58	4246.88	0.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				117		%
Indium	115-1				121		%
Indium	115-2				119		%
Iron	56-2	27324.31	26482.84	27082.96	26963.37	1.61	ppb
Iron	57-2	26612.17	27297.09	27141.25	27016.84	1.33	ppb
Iron	54-2	27210.93	26473.00	27987.89	27223.94	2.78	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-10	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:27:19	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2333.15	2348.98	2256.01	2312.71	2.15	ppb
Lead	207-1	2331.17	2364.87	2249.60	2315.21	2.56	ppb
Lead	208-1	2302.85	2348.84	2256.49	2302.72	2.01	ppb
Lithium	6-1				105		%
Magnesium	24-2	55821.72	54897.19	55736.76	55485.22	0.92	ppb
Manganese	55-2	4841.92	4708.52	4879.60	4810.01	1.87	ppb
Molybdenum	94-1	2185.15	2268.97	2197.14	2217.09	2.04	ppb
Molybdenum	95-1	1721.93	1720.36	1686.46	1709.58	1.17	ppb
Molybdenum	96-1	1735.04	1770.46	1750.01	1751.84	1.01	ppb
Molybdenum	97-1	1740.86	1740.79	1685.79	1722.48	1.84	ppb
Molybdenum	98-1	1713.20	1725.29	1715.56	1718.01	0.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	468.73	459.64	461.90	463.42	1.02	ppb
Phosphorus	31-2	168.38	163.59	160.19	164.05	2.51	ppb
Potassium	39-2	29116.20	28583.54	29494.40	29064.71	1.57	ppb
Rhodium	103-1				121		%
Rhodium	103-2				119		%
Scandium	45-1				121		%
Scandium	45-2				118		%
Selenium	82-1	465.24	477.89	461.88	468.33	1.80	ppb
Selenium	77-2	465.57	438.90	456.88	453.78	3.00	ppb
Selenium	78-2	478.11	469.71	468.11	471.98	1.14	ppb
Silicon	28-1	3687.49	3708.35	3626.60	3674.15	1.16	ppb
Silver	107-1	85.31	83.82	86.61	85.25	1.64	ppb
Silver	109-1	83.86	84.31	86.53	84.90	1.68	ppb
Sodium	23-2	53657.94	51677.56	54046.00	53127.17	2.39	ppb
Strontium	86-1	820.14	824.67	793.00	812.60	2.11	ppb
Strontium	88-1	819.54	813.07	810.10	814.24	0.59	ppb
Sulfur	34-1	8744.39	8753.72	8625.65	8707.92	0.82	ppb
Terbium	159-1				120		%
Terbium	159-2				119		%
Thallium	203-1	458.67	480.56	451.51	463.58	3.26	ppb
Thallium	205-1	458.53	464.28	453.22	458.67	1.21	ppb
Tin	118-1	431.87	430.60	439.69	434.05	1.14	ppb
Titanium	47-1	2.06	1.95	2.04	2.02	2.89	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-10	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:27:19	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	430.20	433.68	434.63	432.84	0.54	ppb
Vanadium	51-2	469.62	466.57	477.97	471.39	1.25	ppb
Yttrium	89-1				114		%
Yttrium	89-2				113		%
Zinc	66-2	4440.03	4389.32	4453.85	4427.73	0.77	ppb
Zirconium	90-1	456.54	455.64	444.10	452.10	1.53	ppb
Zirconium	91-1	443.30	453.84	442.89	446.68	1.39	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-11	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:30:07	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8780.39	8291.59	7892.02	8321.34	5.35	ppb
Antimony	121-1	463.38	462.52	473.73	466.55	1.34	ppb
Arsenic	75-2	498.66	504.98	478.96	494.20	2.75	ppb
Barium	135-1	2452.35	2570.46	2546.10	2522.97	2.47	ppb
Barium	137-1	2477.58	2488.75	2587.79	2518.04	2.41	ppb
Beryllium	9-1	464.02	477.80	466.29	469.37	1.57	ppb
Bismuth	209-1				115		%
Bismuth	209-2				115		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	428.81	435.35	461.24	441.80	3.88	ppb
Cadmium	106-1	456.52	462.72	476.45	465.23	2.19	ppb
Cadmium	111-1	449.85	463.08	474.48	462.47	2.67	ppb
Calcium	43-1	72034.68	70871.67	74585.29	72497.21	2.62	ppb
Calcium	44-1	71697.41	72099.40	73948.86	72581.89	1.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	473.09	457.13	442.08	457.43	3.39	ppb
Cobalt	59-2	476.28	468.31	450.40	465.00	2.85	ppb
Copper	63-2	4344.44	4312.19	4240.24	4298.96	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				119		%
Holmium	165-2				118		%
Indium	115-1				120		%
Indium	115-2				120		%
Iron	56-2	27482.67	26860.49	25499.18	26614.11	3.81	ppb
Iron	57-2	27204.63	27043.20	25774.50	26674.11	2.94	ppb
Iron	54-2	28613.03	27022.25	26023.87	27219.71	4.80	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-11	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:30:07	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2254.76	2248.80	2268.17	2257.24	0.44	ppb
Lead	207-1	2222.64	2304.00	2278.89	2268.51	1.84	ppb
Lead	208-1	2253.69	2274.68	2270.75	2266.37	0.49	ppb
Lithium	6-1				102		%
Magnesium	24-2	56477.43	55822.10	55097.47	55799.00	1.24	ppb
Manganese	55-2	5161.33	4883.13	4743.71	4929.39	4.31	ppb
Molybdenum	94-1	2179.86	2228.40	2155.95	2188.07	1.69	ppb
Molybdenum	95-1	1660.15	1685.57	1679.04	1674.92	0.79	ppb
Molybdenum	96-1	1694.97	1744.56	1702.89	1714.14	1.55	ppb
Molybdenum	97-1	1688.31	1684.24	1681.90	1684.82	0.19	ppb
Molybdenum	98-1	1688.13	1673.74	1676.68	1679.52	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	471.32	461.05	452.18	461.52	2.08	ppb
Phosphorus	31-2	120.39	107.16	119.74	115.76	6.44	ppb
Potassium	39-2	29768.02	28476.39	27930.90	28725.10	3.28	ppb
Rhodium	103-1				119		%
Rhodium	103-2				118		%
Scandium	45-1				119		%
Scandium	45-2				118		%
Selenium	82-1	463.42	474.08	466.14	467.88	1.18	ppb
Selenium	77-2	474.54	481.68	433.95	463.39	5.56	ppb
Selenium	78-2	461.07	477.97	463.56	467.53	1.95	ppb
Silicon	28-1	3770.59	3641.75	3782.48	3731.61	2.09	ppb
Silver	107-1	80.61	83.21	84.52	82.78	2.40	ppb
Silver	109-1	80.69	82.67	83.77	82.38	1.89	ppb
Sodium	23-2	54187.96	53427.44	52347.97	53321.12	1.73	ppb
Strontium	86-1	812.16	820.20	826.39	819.59	0.87	ppb
Strontium	88-1	813.99	825.07	792.36	810.47	2.05	ppb
Sulfur	34-1	8891.58	8766.14	9104.25	8920.66	1.92	ppb
Terbium	159-1				121		%
Terbium	159-2				121		%
Thallium	203-1	450.76	463.26	452.74	455.59	1.48	ppb
Thallium	205-1	455.36	460.54	447.09	454.33	1.49	ppb
Tin	118-1	411.40	421.18	424.83	419.13	1.66	ppb
Titanium	47-1	2.14	1.91	1.94	1.99	6.26	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-11	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:30:07	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	420.58	429.55	425.94	425.36	1.06	ppb
Vanadium	51-2	484.81	468.36	463.23	472.13	2.39	ppb
Yttrium	89-1				114		%
Yttrium	89-2				113		%
Zinc	66-2	4500.19	4428.66	4368.62	4432.49	1.49	ppb
Zirconium	90-1	428.87	448.53	441.76	439.72	2.27	ppb
Zirconium	91-1	442.08	446.45	437.48	442.00	1.01	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2849-01DLX5	Instrumnet Name :	P7
Client Sample ID :	BUR-25-0071DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:32:53	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.57	9.76	9.59	9.64	1.06	ppb
Antimony	121-1	0.20	0.23	0.21	0.22	6.05	ppb
Arsenic	75-2	14.64	14.83	15.59	15.02	3.35	ppb
Barium	135-1	65.78	66.03	66.52	66.11	0.57	ppb
Barium	137-1	66.38	66.83	65.24	66.15	1.24	ppb
Beryllium	9-1	0.01	0.03	0.02	0.02	54.50	ppb
Bismuth	209-1				114		%
Bismuth	209-2				121		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.14	0.05	0.13	0.11	44.07	ppb
Cadmium	106-1	0.27	-0.71	0.01	-0.14		ppb
Cadmium	111-1	0.07	0.03	0.06	0.05	43.91	ppb
Calcium	43-1	4436.56	4588.31	4461.72	4495.53	1.81	ppb
Calcium	44-1	4553.76	4761.43	4722.95	4679.38	2.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.30	1.19	1.18	1.22	5.32	ppb
Cobalt	59-2	1.07	1.12	1.08	1.09	2.15	ppb
Copper	63-2	2.90	2.80	2.77	2.82	2.41	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				118		%
Holmium	165-2				119		%
Indium	115-1				122		%
Indium	115-2				122		%
Iron	56-2	21269.55	20777.57	20762.77	20936.63	1.38	ppb
Iron	57-2	20872.96	20466.74	20079.87	20473.19	1.94	ppb
Iron	54-2	21106.39	20889.82	20582.83	20859.68	1.26	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2849-01DLX5	Instrumnet Name :	P7
Client Sample ID :	BUR-25-0071DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:32:53	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.09	7.11	7.17	7.12	0.63	ppb
Lead	207-1	6.82	7.06	6.72	6.87	2.56	ppb
Lead	208-1	6.78	7.02	6.80	6.87	1.96	ppb
Lithium	6-1				98		%
Magnesium	24-2	1538.83	1525.92	1537.11	1533.96	0.46	ppb
Manganese	55-2	840.74	840.07	815.39	832.07	1.74	ppb
Molybdenum	94-1	1.56	0.90	0.87	1.11	35.06	ppb
Molybdenum	95-1	0.32	0.31	0.29	0.31	5.05	ppb
Molybdenum	96-1	0.58	0.53	0.46	0.52	11.67	ppb
Molybdenum	97-1	0.40	0.32	0.26	0.32	21.55	ppb
Molybdenum	98-1	0.31	0.31	0.27	0.30	8.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.69	2.62	2.79	2.70	3.13	ppb
Phosphorus	31-2	159.20	143.49	154.28	152.32	5.27	ppb
Potassium	39-2	513.39	510.84	517.52	513.92	0.66	ppb
Rhodium	103-1				119		%
Rhodium	103-2				123		%
Scandium	45-1				115		%
Scandium	45-2				119		%
Selenium	82-1	31.22	35.07	36.37	34.22	7.82	ppb
Selenium	77-2	39.49	40.78	51.10	43.79	14.53	ppb
Selenium	78-2	42.49	45.29	43.37	43.71	3.27	ppb
Silicon	28-1	192.67	224.90	215.18	210.92	7.84	ppb
Silver	107-1	0.07	0.09	0.09	0.08	10.53	ppb
Silver	109-1	0.09	0.10	0.10	0.10	3.13	ppb
Sodium	23-2	12686.37	12721.31	12554.85	12654.18	0.69	ppb
Strontium	86-1	18.69	19.64	18.52	18.95	3.18	ppb
Strontium	88-1	18.36	18.64	17.90	18.30	2.05	ppb
Sulfur	34-1	-906.84	-775.91	-1188.63	-957.12		ppb
Terbium	159-1				116		%
Terbium	159-2				121		%
Thallium	203-1	0.56	0.70	0.61	0.62	11.94	ppb
Thallium	205-1	0.60	0.67	0.61	0.63	5.80	ppb
Tin	118-1	0.69	0.62	0.62	0.64	6.53	ppb
Titanium	47-1	0.07	0.10	0.10	0.09	17.60	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2849-01DLX5	Instrumnet Name :	P7
Client Sample ID :	BUR-25-0071DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:32:53	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	56.79	ppb
Vanadium	51-2	0.04	0.02	0.03	0.03	22.10	ppb
Yttrium	89-1				110		%
Yttrium	89-2				115		%
Zinc	66-2	43.04	43.24	42.53	42.94	0.85	ppb
Zirconium	90-1	0.68	0.38	0.35	0.47	38.11	ppb
Zirconium	91-1	0.73	0.36	0.36	0.48	44.11	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01	Instrumnet Name :	P7
Client Sample ID :	#452	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:36:09	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	828.22	820.15	815.68	821.35	0.77	ppb
Antimony	121-1	0.66	0.67	0.66	0.66	0.72	ppb
Arsenic	75-2	1.89	1.60	1.71	1.74	8.39	ppb
Barium	135-1	28.88	30.02	30.08	29.66	2.28	ppb
Barium	137-1	28.79	30.12	30.10	29.67	2.57	ppb
Beryllium	9-1	0.03	0.03	0.02	0.03	33.39	ppb
Bismuth	209-1				114		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.38	0.29	0.35	0.34	13.54	ppb
Cadmium	106-1	0.07	0.47	1.14	0.56	95.94	ppb
Cadmium	111-1	0.19	0.24	0.25	0.23	13.32	ppb
Calcium	43-1	4070.17	4219.59	4223.26	4171.01	2.09	ppb
Calcium	44-1	4040.80	4079.09	4184.22	4101.37	1.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.04	38.99	38.67	38.90	0.52	ppb
Cobalt	59-2	2.25	2.21	2.22	2.23	0.86	ppb
Copper	63-2	49.12	49.09	48.25	48.82	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				118		%
Holmium	165-2				117		%
Indium	115-1				121		%
Indium	115-2				119		%
Iron	56-2	279772.04	274621.52	272334.17	275575.91	1.38	ppb
Iron	57-2	269938.76	269753.66	270853.07	270181.83	0.22	ppb
Iron	54-2	279102.46	271619.07	275205.21	275308.91	1.36	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01	Instrumnet Name :	P7
Client Sample ID :	#452	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:36:09	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.06	15.46	15.56	15.36	1.74	ppb
Lead	207-1	14.31	14.18	14.73	14.41	2.00	ppb
Lead	208-1	14.55	14.98	15.00	14.84	1.72	ppb
Lithium	6-1				103		%
Magnesium	24-2	485.26	477.65	479.78	480.90	0.82	ppb
Manganese	55-2	679.48	668.45	652.40	666.78	2.04	ppb
Molybdenum	94-1	6.00	6.00	6.27	6.09	2.52	ppb
Molybdenum	95-1	5.74	5.70	5.75	5.73	0.40	ppb
Molybdenum	96-1	7.29	7.28	7.43	7.33	1.19	ppb
Molybdenum	97-1	5.89	5.82	5.78	5.83	0.99	ppb
Molybdenum	98-1	5.67	5.70	5.73	5.70	0.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.03	6.05	5.91	5.99	1.28	ppb
Phosphorus	31-2	-21.64	-18.41	-15.67	-18.57		ppb
Potassium	39-2	6331.95	6214.21	6310.04	6285.40	1.00	ppb
Rhodium	103-1				119		%
Rhodium	103-2				116		%
Scandium	45-1				117		%
Scandium	45-2				116		%
Selenium	82-1	10.42	10.05	8.69	9.72	9.37	ppb
Selenium	77-2	7.27	8.71	8.86	8.28	10.64	ppb
Selenium	78-2	7.81	8.36	7.74	7.97	4.27	ppb
Silicon	28-1	246.77	257.39	256.94	253.70	2.37	ppb
Silver	107-1	0.09	0.09	0.11	0.09	12.35	ppb
Silver	109-1	0.09	0.10	0.07	0.09	16.52	ppb
Sodium	23-2	216115.03	215628.47	214259.29	215334.26	0.45	ppb
Strontium	86-1	17.80	17.62	18.35	17.92	2.10	ppb
Strontium	88-1	17.50	18.13	17.92	17.85	1.79	ppb
Sulfur	34-1	345.40	643.13	746.53	578.35	36.01	ppb
Terbium	159-1				119		%
Terbium	159-2				119		%
Thallium	203-1	0.11	0.09	0.08	0.10	13.73	ppb
Thallium	205-1	0.11	0.11	0.10	0.11	1.85	ppb
Tin	118-1	5.37	5.60	5.74	5.57	3.34	ppb
Titanium	47-1	11.50	11.71	11.89	11.70	1.69	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01	Instrumnet Name :	P7
Client Sample ID :	#452	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:36:09	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	16.08	ppb
Vanadium	51-2	2.17	2.20	2.26	2.21	2.10	ppb
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	455.07	458.21	456.19	456.49	0.35	ppb
Zirconium	90-1	0.60	0.61	0.61	0.61	1.35	ppb
Zirconium	91-1	0.61	0.60	0.65	0.62	4.33	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DLX5	Instrumnet Name :	P7
Client Sample ID :	#456DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:39:23	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	333.35	349.83	349.41	344.20	2.73	ppb
Antimony	121-1	7.47	8.13	7.43	7.68	5.10	ppb
Arsenic	75-2	26.90	29.27	28.04	28.07	4.21	ppb
Barium	135-1	37.64	40.07	36.33	38.01	5.00	ppb
Barium	137-1	38.00	39.89	36.49	38.13	4.47	ppb
Beryllium	9-1	0.01	0.03	0.01	0.02	65.54	ppb
Bismuth	209-1				81		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	164.25	168.81	150.20	161.09	6.02	ppb
Cadmium	106-1	-0.76	0.26	-0.82	-0.44		ppb
Cadmium	111-1	5.56	5.98	5.16	5.57	7.29	ppb
Calcium	43-1	2074.84	2197.58	2065.44	2112.62	3.49	ppb
Calcium	44-1	2586.76	2773.93	2597.32	2652.67	3.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.30	6.55	6.78	6.54	3.69	ppb
Cobalt	59-2	0.30	0.32	0.29	0.30	5.62	ppb
Copper	63-2	196.04	208.90	210.07	205.01	3.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				87		%
Holmium	165-2				90		%
Indium	115-1				89		%
Indium	115-2				91		%
Iron	56-2	398.11	417.55	415.90	410.52	2.63	ppb
Iron	57-2	394.01	425.34	430.80	416.71	4.76	ppb
Iron	54-2	405.11	427.25	432.41	421.59	3.44	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DLX5	Instrumnet Name :	P7
Client Sample ID :	#456DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:39:23	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	18.96	19.69	18.42	19.02	3.34	ppb
Lead	207-1	18.96	19.55	18.66	19.06	2.39	ppb
Lead	208-1	18.76	19.48	18.48	18.91	2.73	ppb
Lithium	6-1				78		%
Magnesium	24-2	653.95	702.32	710.68	688.98	4.44	ppb
Manganese	55-2	91.60	97.59	99.11	96.10	4.13	ppb
Molybdenum	94-1	37425.33	39561.10	36962.29	37982.91	3.65	ppb
Molybdenum	95-1	45854.35	47834.11	44576.97	46088.48	3.56	ppb
Molybdenum	96-1	45227.47	47318.99	44618.40	45721.62	3.10	ppb
Molybdenum	97-1	46725.49	47903.77	44812.00	46480.42	3.36	ppb
Molybdenum	98-1	46401.61	48327.27	44225.93	46318.27	4.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.35	1.59	1.31	1.41	10.62	ppb
Phosphorus	31-2	4675.07	4986.31	5098.83	4920.07	4.46	ppb
Potassium	39-2	923164.42	970708.80	979442.40	957771.87	3.16	ppb
Rhodium	103-1				87		%
Rhodium	103-2				90		%
Scandium	45-1				86		%
Scandium	45-2				91		%
Selenium	82-1	47.33	55.24	53.76	52.11	8.07	ppb
Selenium	77-2	39.90	53.34	44.24	45.83	14.97	ppb
Selenium	78-2	45.52	48.46	47.01	46.99	3.13	ppb
Silicon	28-1	1783.22	2157.18	2204.87	2048.42	11.27	ppb
Silver	107-1	0.50	0.49	0.48	0.49	2.78	ppb
Silver	109-1	0.50	0.55	0.49	0.51	5.76	ppb
Sodium	23-2	385261.84	405879.89	399284.71	396808.81	2.65	ppb
Strontium	86-1	71.58	74.66	70.54	72.26	2.96	ppb
Strontium	88-1	71.32	74.49	69.71	71.84	3.38	ppb
Sulfur	34-1	6792.26	7169.41	6241.28	6734.32	6.93	ppb
Terbium	159-1				88		%
Terbium	159-2				91		%
Thallium	203-1	0.30	0.36	0.39	0.35	13.26	ppb
Thallium	205-1	0.32	0.37	0.39	0.36	10.58	ppb
Tin	118-1	5.80	6.11	5.57	5.83	4.69	ppb
Titanium	47-1	4.61	4.71	4.79	4.70	1.93	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DLX5	Instrumnet Name :	P7
Client Sample ID :	#456DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:39:23	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.03	0.02	0.02	9.85	ppb
Vanadium	51-2	1.84	1.97	1.97	1.92	3.91	ppb
Yttrium	89-1				84		%
Yttrium	89-2				88		%
Zinc	66-2	773.92	819.22	822.94	805.36	3.39	ppb
Zirconium	90-1	0.26	0.27	0.24	0.26	5.15	ppb
Zirconium	91-1	0.27	0.27	0.25	0.26	3.19	ppb

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DLX5	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:42:38	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10166.17	10431.14	10835.91	10477.74	3.22	ppb
Antimony	121-1	0.95	0.91	0.97	0.94	3.06	ppb
Arsenic	75-2	23.75	23.57	24.07	23.79	1.06	ppb
Barium	135-1	30.04	29.78	29.33	29.71	1.21	ppb
Barium	137-1	30.28	30.45	29.59	30.11	1.51	ppb
Beryllium	9-1	0.02	0.02	0.01	0.02	37.59	ppb
Bismuth	209-1				84		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	34.83	37.13	32.05	34.67	7.34	ppb
Cadmium	106-1	0.28	-0.02	0.49	0.25	100.57	ppb
Cadmium	111-1	1.81	1.47	1.79	1.69	11.32	ppb
Calcium	43-1	8155.62	8285.48	8013.96	8151.69	1.67	ppb
Calcium	44-1	8442.58	8730.97	8515.23	8562.93	1.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.30	5.68	5.74	5.58	4.33	ppb
Cobalt	59-2	0.13	0.15	0.18	0.15	14.97	ppb
Copper	63-2	291.68	298.23	309.56	299.82	3.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				89		%
Holmium	165-2				94		%
Indium	115-1				90		%
Indium	115-2				95		%
Iron	56-2	469.44	473.17	493.26	478.62	2.68	ppb
Iron	57-2	497.41	513.15	538.94	516.50	4.06	ppb
Iron	54-2	478.70	486.16	507.90	490.92	3.09	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DLX5	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:42:38	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.89	1.96	1.96	1.94	2.17	ppb
Lead	207-1	1.88	1.97	1.97	1.94	2.56	ppb
Lead	208-1	1.88	1.98	1.95	1.93	2.68	ppb
Lithium	6-1				80		%
Magnesium	24-2	623.89	638.77	669.80	644.15	3.64	ppb
Manganese	55-2	444.64	450.45	464.90	453.33	2.30	ppb
Molybdenum	94-1	8024.40	8189.58	8312.45	8175.48	1.77	ppb
Molybdenum	95-1	9840.27	10085.90	10079.46	10001.88	1.40	ppb
Molybdenum	96-1	9672.01	9907.12	9664.18	9747.77	1.42	ppb
Molybdenum	97-1	10021.57	10222.13	9868.27	10037.32	1.77	ppb
Molybdenum	98-1	9709.18	10189.66	9797.16	9898.67	2.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.68	1.75	1.61	1.68	4.13	ppb
Phosphorus	31-2	224.96	251.26	228.18	234.80	6.11	ppb
Potassium	39-2	742586.13	746898.28	775845.37	755109.93	2.40	ppb
Rhodium	103-1				88		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				95		%
Selenium	82-1	53.79	61.79	62.97	59.51	8.39	ppb
Selenium	77-2	39.73	57.55	53.63	50.31	18.61	ppb
Selenium	78-2	54.58	53.34	57.41	55.11	3.78	ppb
Silicon	28-1	1029.34	1230.88	1256.43	1172.22	10.61	ppb
Silver	107-1	0.05	0.05	0.04	0.04	17.04	ppb
Silver	109-1	0.05	0.06	0.05	0.06	4.47	ppb
Sodium	23-2	306983.91	313015.39	317108.35	312369.21	1.63	ppb
Strontium	86-1	29.15	29.45	29.53	29.38	0.69	ppb
Strontium	88-1	28.64	28.99	29.15	28.93	0.90	ppb
Sulfur	34-1	11236.16	11600.27	10644.20	11160.21	4.32	ppb
Terbium	159-1				89		%
Terbium	159-2				94		%
Thallium	203-1	0.45	0.46	0.47	0.46	2.47	ppb
Thallium	205-1	0.47	0.45	0.45	0.46	2.18	ppb
Tin	118-1	5.61	5.62	5.34	5.52	2.86	ppb
Titanium	47-1	2.00	2.22	2.06	2.09	5.43	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DLX5	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:42:38	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.06	0.06	0.06	7.14	ppb
Vanadium	51-2	4.26	4.46	4.36	4.36	2.35	ppb
Yttrium	89-1				85		%
Yttrium	89-2				91		%
Zinc	66-2	1798.35	1832.34	1894.85	1841.85	2.66	ppb
Zirconium	90-1	0.34	0.37	0.37	0.36	4.15	ppb
Zirconium	91-1	0.34	0.34	0.36	0.35	3.22	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-01DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2005DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:45:45	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	74.95	76.33	74.99	75.42	1.04	ppb
Antimony	121-1	2.22	2.20	2.13	2.18	2.27	ppb
Arsenic	75-2	16.15	16.04	16.80	16.33	2.51	ppb
Barium	135-1	21.47	20.03	19.88	20.46	4.28	ppb
Barium	137-1	21.38	21.33	20.27	20.99	2.98	ppb
Beryllium	9-1	0.02	0.02	0.00	0.02	71.73	ppb
Bismuth	209-1				113		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.35	0.33	0.56	0.41	30.10	ppb
Cadmium	106-1	-1.18	-0.94	-1.58	-1.23		ppb
Cadmium	111-1	0.01	-0.01	-0.07	-0.02		ppb
Calcium	43-1	9273.34	9803.65	9688.65	9588.55	2.91	ppb
Calcium	44-1	9747.33	9737.62	9497.33	9660.76	1.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.03	1.09	1.09	1.07	3.18	ppb
Cobalt	59-2	0.84	0.82	0.81	0.83	2.24	ppb
Copper	63-2	2.33	2.22	2.35	2.30	3.11	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				117		%
Holmium	165-2				116		%
Indium	115-1				119		%
Indium	115-2				119		%
Iron	56-2	48912.26	50651.03	48978.42	49513.90	1.99	ppb
Iron	57-2	47490.86	48980.49	48513.63	48328.32	1.58	ppb
Iron	54-2	49264.25	49574.11	50086.98	49641.78	0.84	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-01DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2005DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:45:45	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.97	0.96	0.91	0.94	3.12	ppb
Lead	207-1	0.85	0.91	0.89	0.88	3.56	ppb
Lead	208-1	0.87	0.93	0.88	0.90	3.64	ppb
Lithium	6-1				106		%
Magnesium	24-2	1374.60	1406.46	1384.28	1388.44	1.18	ppb
Manganese	55-2	239.74	245.68	240.00	241.81	1.39	ppb
Molybdenum	94-1	3.05	2.85	2.66	2.85	6.94	ppb
Molybdenum	95-1	3.30	3.03	2.82	3.05	7.82	ppb
Molybdenum	96-1	3.55	3.39	3.11	3.35	6.60	ppb
Molybdenum	97-1	3.36	3.14	2.91	3.14	7.16	ppb
Molybdenum	98-1	3.35	2.97	2.85	3.06	8.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.56	3.52	3.49	3.52	0.93	ppb
Phosphorus	31-2	24196.11	24667.17	24448.58	24437.29	0.96	ppb
Potassium	39-2	232727.73	236659.78	229772.13	233053.21	1.48	ppb
Rhodium	103-1				120		%
Rhodium	103-2				118		%
Scandium	45-1				119		%
Scandium	45-2				117		%
Selenium	82-1	28.10	30.98	30.22	29.77	5.02	ppb
Selenium	77-2	34.40	30.64	33.01	32.68	5.82	ppb
Selenium	78-2	32.48	32.47	32.54	32.50	0.13	ppb
Silicon	28-1	349.95	362.19	354.31	355.49	1.74	ppb
Silver	107-1	0.04	0.05	0.04	0.04	12.45	ppb
Silver	109-1	0.04	0.04	0.04	0.04	2.85	ppb
Sodium	23-2	11379.67	11501.08	11367.38	11416.05	0.65	ppb
Strontium	86-1	26.22	26.74	25.83	26.26	1.76	ppb
Strontium	88-1	25.44	26.36	25.49	25.76	2.01	ppb
Sulfur	34-1	2946.71	3951.80	3609.40	3502.64	14.59	ppb
Terbium	159-1				120		%
Terbium	159-2				118		%
Thallium	203-1	0.05	0.06	0.08	0.06	20.48	ppb
Thallium	205-1	0.06	0.08	0.07	0.07	14.56	ppb
Tin	118-1	0.30	0.25	0.26	0.27	8.76	ppb
Titanium	47-1	4.15	3.97	4.22	4.11	3.06	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-01DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2005DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:45:45	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.00	0.01	33.22	ppb
Vanadium	51-2	0.15	0.14	0.15	0.15	5.54	ppb
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	448.76	460.61	452.08	453.82	1.35	ppb
Zirconium	90-1	0.14	0.14	0.13	0.14	5.39	ppb
Zirconium	91-1	0.13	0.15	0.14	0.14	8.53	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-02DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2006DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:49:06	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	64.62	62.01	64.72	63.78	2.41	ppb
Antimony	121-1	0.36	0.34	0.34	0.34	3.44	ppb
Arsenic	75-2	8.82	8.57	9.28	8.89	4.03	ppb
Barium	135-1	8.44	8.35	8.43	8.40	0.61	ppb
Barium	137-1	8.64	8.62	8.63	8.63	0.14	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	167.53	ppb
Bismuth	209-1				115		%
Bismuth	209-2				117		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.13	-0.03	0.02	422.26	ppb
Cadmium	106-1	-1.37	-1.62	-0.95	-1.31		ppb
Cadmium	111-1	-0.07	-0.10	-0.05	-0.08		ppb
Calcium	43-1	1689.45	1685.11	1686.35	1686.97	0.13	ppb
Calcium	44-1	1788.91	1778.39	1807.29	1791.53	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.90	1.83	1.91	1.88	2.42	ppb
Cobalt	59-2	0.16	0.12	0.15	0.14	15.31	ppb
Copper	63-2	2.84	2.62	2.78	2.75	4.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				117		%
Indium	115-1				121		%
Indium	115-2				121		%
Iron	56-2	30824.38	30340.32	31338.25	30834.31	1.62	ppb
Iron	57-2	30556.30	29811.06	30833.23	30400.20	1.74	ppb
Iron	54-2	30926.98	31132.04	31349.56	31136.19	0.68	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-02DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2006DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:49:06	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.48	0.50	0.49	0.49	1.88	ppb
Lead	207-1	0.47	0.48	0.50	0.48	3.11	ppb
Lead	208-1	0.47	0.49	0.48	0.48	1.58	ppb
Lithium	6-1				105		%
Magnesium	24-2	210.48	208.25	218.32	212.35	2.49	ppb
Manganese	55-2	902.35	889.43	923.35	905.04	1.89	ppb
Molybdenum	94-1	0.56	0.58	0.59	0.58	2.40	ppb
Molybdenum	95-1	0.51	0.50	0.52	0.51	1.95	ppb
Molybdenum	96-1	0.69	0.73	0.76	0.73	5.32	ppb
Molybdenum	97-1	0.58	0.57	0.54	0.56	4.32	ppb
Molybdenum	98-1	0.54	0.52	0.49	0.52	4.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.63	0.68	0.62	0.64	5.44	ppb
Phosphorus	31-2	2459.14	2403.65	2470.72	2444.50	1.47	ppb
Potassium	39-2	25477.14	24717.84	25925.88	25373.62	2.41	ppb
Rhodium	103-1				120		%
Rhodium	103-2				121		%
Scandium	45-1				118		%
Scandium	45-2				118		%
Selenium	82-1	19.75	21.31	21.02	20.70	4.01	ppb
Selenium	77-2	24.39	26.48	24.28	25.05	4.96	ppb
Selenium	78-2	25.34	23.33	22.45	23.70	6.24	ppb
Silicon	28-1	160.10	165.58	174.73	166.80	4.43	ppb
Silver	107-1	0.05	0.07	0.09	0.07	26.94	ppb
Silver	109-1	0.06	0.08	0.09	0.08	18.79	ppb
Sodium	23-2	2109.82	2119.58	2125.94	2118.45	0.38	ppb
Strontium	86-1	2.42	2.53	2.47	2.47	2.17	ppb
Strontium	88-1	2.41	2.52	2.45	2.46	2.36	ppb
Sulfur	34-1	-1679.83	-1652.73	-1573.91	-1635.49		ppb
Terbium	159-1				119		%
Terbium	159-2				119		%
Thallium	203-1	0.02	0.02	0.03	0.03	29.42	ppb
Thallium	205-1	0.03	0.05	0.04	0.04	20.93	ppb
Tin	118-1	0.44	0.44	0.45	0.44	0.95	ppb
Titanium	47-1	0.85	0.86	0.72	0.81	9.39	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-02DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2006DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:49:06	DataFile Name :	055SMPL.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	0.07	0.07	0.08	0.07	4.89	ppb
Yttrium	89-1				113		%
Yttrium	89-2				115		%
Zinc	66-2	30.26	27.84	31.05	29.71	5.63	ppb
Zirconium	90-1	0.06	0.07	0.07	0.07	7.73	ppb
Zirconium	91-1	0.07	0.08	0.09	0.08	17.19	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-01	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:52:19	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.50	2.56	2.37	2.81	21.49	ppb
Antimony	121-1	0.06	0.05	0.05	0.05	7.55	ppb
Arsenic	75-2	1.87	1.73	1.66	1.75	6.09	ppb
Barium	135-1	182.39	185.51	187.23	185.04	1.33	ppb
Barium	137-1	184.21	187.99	191.21	187.80	1.87	ppb
Beryllium	9-1	0.01	0.02	0.02	0.01	46.86	ppb
Bismuth	209-1				120		%
Bismuth	209-2				120		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.02	-0.01	0.06	159.83	ppb
Cadmium	106-1	-0.92	-0.02	-1.03	-0.66		ppb
Cadmium	111-1	-0.06	0.00	-0.06	-0.04		ppb
Calcium	43-1	62217.63	61721.65	64290.35	62743.21	2.17	ppb
Calcium	44-1	61903.48	62537.82	63150.11	62530.47	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.13	-0.10	-0.16	-0.13		ppb
Cobalt	59-2	1.75	1.75	1.68	1.73	2.30	ppb
Copper	63-2	0.05	0.05	0.04	0.05	9.33	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				123		%
Holmium	165-2				120		%
Indium	115-1				128		%
Indium	115-2				126		%
Iron	56-2	21868.63	21936.54	21482.62	21762.60	1.13	ppb
Iron	57-2	22118.14	22021.35	21683.73	21941.07	1.04	ppb
Iron	54-2	21999.06	22124.84	22001.45	22041.78	0.33	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-01	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:52:19	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.38	13.99	14.06	14.14	1.49	ppb
Lead	207-1	13.27	12.78	12.87	12.98	2.03	ppb
Lead	208-1	13.69	13.30	13.33	13.44	1.59	ppb
Lithium	6-1				110		%
Magnesium	24-2	21262.05	21503.90	21141.69	21302.55	0.87	ppb
Manganese	55-2	1183.67	1205.52	1208.38	1199.19	1.13	ppb
Molybdenum	94-1	0.53	0.53	0.52	0.53	1.11	ppb
Molybdenum	95-1	0.60	0.66	0.62	0.63	4.40	ppb
Molybdenum	96-1	0.72	0.70	0.73	0.72	1.97	ppb
Molybdenum	97-1	0.57	0.60	0.57	0.58	2.93	ppb
Molybdenum	98-1	0.60	0.61	0.59	0.60	1.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.98	0.93	0.93	0.95	3.39	ppb
Phosphorus	31-2	142.34	135.32	112.78	130.14	11.87	ppb
Potassium	39-2	9808.47	9902.90	9607.72	9773.03	1.54	ppb
Rhodium	103-1				128		%
Rhodium	103-2				123		%
Scandium	45-1				128		%
Scandium	45-2				123		%
Selenium	82-1	9.65	9.25	7.58	8.82	12.46	ppb
Selenium	77-2	9.56	7.74	8.08	8.46	11.47	ppb
Selenium	78-2	6.38	7.54	8.60	7.51	14.84	ppb
Silicon	28-1	3900.75	3904.34	3877.61	3894.23	0.37	ppb
Silver	107-1	0.00	0.00	0.00	0.00	224.92	ppb
Silver	109-1	0.00	0.00	0.00	0.00	47.87	ppb
Sodium	23-2	11609.31	11666.76	11507.54	11594.54	0.70	ppb
Strontium	86-1	719.30	732.45	718.44	723.40	1.09	ppb
Strontium	88-1	701.67	707.40	700.26	703.11	0.54	ppb
Sulfur	34-1	55970.86	56846.11	56755.28	56524.08	0.85	ppb
Terbium	159-1				125		%
Terbium	159-2				124		%
Thallium	203-1	-0.04	-0.04	-0.04	-0.04		ppb
Thallium	205-1	-0.02	-0.03	-0.03	-0.03		ppb
Tin	118-1	1.68	1.78	1.74	1.73	2.84	ppb
Titanium	47-1	0.47	0.46	0.46	0.47	1.47	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-01	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:52:19	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.01	0.02	7.06	ppb
Vanadium	51-2	0.08	0.08	0.07	0.08	6.83	ppb
Yttrium	89-1				122		%
Yttrium	89-2				121		%
Zinc	66-2	-1.32	-1.29	-1.09	-1.23		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	28.12	ppb
Zirconium	91-1	0.00	0.01	0.01	0.01	86.33	ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-02	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:55:29	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.50	4.43	4.71	4.55	3.29	ppb
Antimony	121-1	0.03	0.03	0.02	0.03	15.79	ppb
Arsenic	75-2	0.93	1.03	1.06	1.01	7.05	ppb
Barium	135-1	161.04	161.90	158.47	160.47	1.11	ppb
Barium	137-1	163.74	163.75	161.80	163.10	0.69	ppb
Beryllium	9-1	0.00	0.02	0.00	0.01	178.70	ppb
Bismuth	209-1				114		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	-0.03	-0.01	0.02	368.82	ppb
Cadmium	106-1	-0.18	-1.37	-1.10	-0.88		ppb
Cadmium	111-1	-0.01	-0.08	-0.08	-0.06		ppb
Calcium	43-1	61713.44	61569.70	63194.29	62159.14	1.45	ppb
Calcium	44-1	60324.54	60357.74	60985.56	60555.94	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.22	-0.24	-0.18	-0.21		ppb
Cobalt	59-2	1.60	1.65	1.65	1.63	1.63	ppb
Copper	63-2	-0.03	-0.01	-0.03	-0.02		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				118		%
Indium	115-1				124		%
Indium	115-2				123		%
Iron	56-2	21293.36	21491.99	21334.83	21373.39	0.49	ppb
Iron	57-2	21310.99	21496.69	21037.14	21281.61	1.09	ppb
Iron	54-2	21269.27	20860.44	21115.67	21081.80	0.98	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-02	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:55:29	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.01	0.00	0.01	0.00		ppb
Lead	207-1	0.00	0.01	0.00	0.00	116.36	ppb
Lead	208-1	-0.01	-0.01	0.00	-0.01		ppb
Lithium	6-1				105		%
Magnesium	24-2	20813.31	20761.38	20917.99	20830.89	0.38	ppb
Manganese	55-2	1192.12	1190.40	1172.39	1184.97	0.92	ppb
Molybdenum	94-1	0.58	0.59	0.61	0.59	2.26	ppb
Molybdenum	95-1	0.67	0.70	0.72	0.70	4.14	ppb
Molybdenum	96-1	0.79	0.79	0.81	0.79	1.24	ppb
Molybdenum	97-1	0.69	0.68	0.80	0.72	8.75	ppb
Molybdenum	98-1	0.71	0.70	0.70	0.70	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.68	0.58	0.61	0.62	8.09	ppb
Phosphorus	31-2	149.66	152.76	126.58	143.00	10.00	ppb
Potassium	39-2	9678.77	9742.63	9701.93	9707.78	0.33	ppb
Rhodium	103-1				123		%
Rhodium	103-2				120		%
Scandium	45-1				123		%
Scandium	45-2				120		%
Selenium	82-1	6.87	6.93	6.34	6.71	4.80	ppb
Selenium	77-2	6.74	5.61	6.06	6.14	9.28	ppb
Selenium	78-2	7.07	7.14	5.38	6.53	15.30	ppb
Silicon	28-1	3726.25	3824.77	3983.08	3844.70	3.37	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	431.99	ppb
Sodium	23-2	11117.97	11045.74	11335.36	11166.36	1.35	ppb
Strontium	86-1	693.22	701.72	697.85	697.60	0.61	ppb
Strontium	88-1	685.35	709.92	689.28	694.85	1.90	ppb
Sulfur	34-1	55751.21	57811.22	58424.15	57328.86	2.44	ppb
Terbium	159-1				122		%
Terbium	159-2				119		%
Thallium	203-1	-0.05	-0.05	-0.05	-0.05		ppb
Thallium	205-1	-0.04	-0.04	-0.04	-0.04		ppb
Tin	118-1	0.04	0.05	0.02	0.04	36.29	ppb
Titanium	47-1	0.42	0.33	0.51	0.42	21.47	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-02	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:55:29	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	14.56	ppb
Vanadium	51-2	0.07	0.08	0.08	0.08	5.10	ppb
Yttrium	89-1				118		%
Yttrium	89-2				116		%
Zinc	66-2	-1.89	-1.89	-2.03	-1.94		ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	93.85	ppb
Zirconium	91-1	0.01	0.01	-0.01	0.00	573.67	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:58:35	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47405.10	47493.08	47987.88	47628.69	0.66	ppb
Antimony	121-1	486.42	497.34	499.27	494.34	1.40	ppb
Arsenic	75-2	475.14	472.43	476.96	474.84	0.48	ppb
Barium	135-1	2409.93	2520.75	2453.73	2461.47	2.27	ppb
Barium	137-1	2471.60	2475.34	2458.81	2468.58	0.35	ppb
Beryllium	9-1	497.00	513.68	504.13	504.93	1.66	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	473.34	491.64	480.05	481.68	1.92	ppb
Cadmium	106-1	480.09	490.74	492.33	487.72	1.37	ppb
Cadmium	111-1	476.44	486.92	479.74	481.03	1.11	ppb
Calcium	43-1	245093.49	254137.41	253052.19	250761.03	1.97	ppb
Calcium	44-1	249336.80	256360.24	250244.84	251980.63	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	483.79	495.51	470.91	483.41	2.55	ppb
Cobalt	59-2	486.54	478.84	481.01	482.13	0.82	ppb
Copper	63-2	4743.98	4686.44	4627.99	4686.14	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				112		%
Holmium	165-2				113		%
Indium	115-1				113		%
Indium	115-2				114		%
Iron	56-2	127448.09	126515.68	125516.17	126493.31	0.76	ppb
Iron	57-2	124520.64	127101.98	125636.29	125752.97	1.03	ppb
Iron	54-2	129399.63	123859.18	127237.58	126832.13	2.20	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:58:35	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2426.86	2452.09	2435.59	2438.18	0.53	ppb
Lead	207-1	2429.42	2434.14	2419.38	2427.64	0.31	ppb
Lead	208-1	2424.10	2461.46	2406.27	2430.61	1.16	ppb
Lithium	6-1				99		%
Magnesium	24-2	244350.51	240831.09	235584.16	240255.25	1.84	ppb
Manganese	55-2	4828.45	4856.72	4851.16	4845.44	0.31	ppb
Molybdenum	94-1	4941.06	4859.87	4879.30	4893.41	0.87	ppb
Molybdenum	95-1	4852.16	4813.89	4735.87	4800.64	1.23	ppb
Molybdenum	96-1	4934.85	4946.45	4780.57	4887.29	1.89	ppb
Molybdenum	97-1	4940.45	4887.16	4803.66	4877.09	1.41	ppb
Molybdenum	98-1	4973.61	4892.24	4881.18	4915.68	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	471.85	470.15	468.99	470.33	0.31	ppb
Phosphorus	31-2	9737.51	9652.58	9632.40	9674.16	0.58	ppb
Potassium	39-2	123730.36	124464.85	124194.95	124130.05	0.30	ppb
Rhodium	103-1				111		%
Rhodium	103-2				110		%
Scandium	45-1				115		%
Scandium	45-2				115		%
Selenium	82-1	482.01	476.64	472.11	476.92	1.04	ppb
Selenium	77-2	463.32	490.83	484.90	479.68	3.02	ppb
Selenium	78-2	466.42	478.16	475.02	473.20	1.28	ppb
Silicon	28-1	499.56	527.44	524.60	517.20	2.97	ppb
Silver	107-1	483.70	503.61	491.09	492.80	2.04	ppb
Silver	109-1	484.65	493.38	487.71	488.58	0.91	ppb
Sodium	23-2	244824.54	239807.39	246882.57	243838.17	1.49	ppb
Strontium	86-1	487.14	480.48	476.69	481.44	1.10	ppb
Strontium	88-1	491.19	492.44	486.37	490.00	0.65	ppb
Sulfur	34-1	7719.29	7916.77	7704.75	7780.27	1.52	ppb
Terbium	159-1				115		%
Terbium	159-2				115		%
Thallium	203-1	489.18	488.28	510.25	495.90	2.51	ppb
Thallium	205-1	500.48	487.45	501.36	496.43	1.57	ppb
Tin	118-1	492.83	499.37	501.99	498.06	0.95	ppb
Titanium	47-1	4744.84	4875.04	4815.14	4811.67	1.35	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:58:35	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	469.06	483.55	465.46	472.69	2.03	ppb
Vanadium	51-2	475.30	491.88	472.25	479.81	2.20	ppb
Yttrium	89-1				110		%
Yttrium	89-2				111		%
Zinc	66-2	4676.56	4731.30	4736.94	4714.94	0.71	ppb
Zirconium	90-1	486.85	484.59	477.17	482.87	1.05	ppb
Zirconium	91-1	485.48	476.94	475.84	479.42	1.10	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:10:16	DataFile Name :	061CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.48	-1.59	-3.06	-2.38		ppb
Antimony	121-1	0.14	0.12	0.12	0.13	7.53	ppb
Arsenic	75-2	0.25	0.18	0.17	0.20	22.23	ppb
Barium	135-1	-0.02	-0.02	-0.03	-0.02		ppb
Barium	137-1	-0.01	0.01	0.01	0.00	430.37	ppb
Beryllium	9-1	0.00	-0.01	0.00	0.00		ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.12	0.09	0.09	34.48	ppb
Cadmium	106-1	-2.78	-3.67	-3.64	-3.36		ppb
Cadmium	111-1	-0.19	-0.24	-0.25	-0.23		ppb
Calcium	43-1	-12.81	-12.29	-11.59	-12.23		ppb
Calcium	44-1	6.47	3.48	7.80	5.92	37.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.06	0.05	0.06	14.84	ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.20	0.21	0.23	0.21	5.11	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				104		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	-0.86	-0.74	-0.72	-0.78		ppb
Iron	57-2	-2.68	-0.64	-0.82	-1.38		ppb
Iron	54-2	-1.03	0.36	-0.79	-0.49		ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:10:16	DataFile Name :	061CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	0.00	0.01	49.66	ppb
Lead	207-1	-0.03	-0.02	-0.02	-0.02		ppb
Lead	208-1	-0.01	-0.01	-0.01	-0.01		ppb
Lithium	6-1				89		%
Magnesium	24-2	-6.38	-5.87	-6.06	-6.10		ppb
Manganese	55-2	-0.01	-0.01	-0.07	-0.03		ppb
Molybdenum	94-1	-0.01	0.03	0.04	0.02	123.49	ppb
Molybdenum	95-1	0.01	0.02	0.03	0.02	61.41	ppb
Molybdenum	96-1	0.03	0.03	0.05	0.04	24.63	ppb
Molybdenum	97-1	0.03	0.03	0.06	0.04	37.00	ppb
Molybdenum	98-1	0.02	0.01	0.03	0.02	43.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.04	0.00	0.02	98.23	ppb
Phosphorus	31-2	-56.44	-58.56	-59.33	-58.11		ppb
Potassium	39-2	13.98	19.40	17.45	16.94	16.19	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	1.27	2.27	3.03	2.19	40.37	ppb
Selenium	77-2	0.88	2.50	2.39	1.92	47.21	ppb
Selenium	78-2	2.76	2.73	2.79	2.76	1.19	ppb
Silicon	28-1	0.09	0.43	0.77	0.43	79.13	ppb
Silver	107-1	0.05	0.06	0.07	0.06	17.18	ppb
Silver	109-1	0.07	0.07	0.08	0.07	13.07	ppb
Sodium	23-2	30.48	29.78	30.06	30.11	1.18	ppb
Strontium	86-1	-0.02	0.04	0.02	0.01	260.99	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	98.33	ppb
Sulfur	34-1	-1246.16	-1150.39	-1037.27	-1144.60		ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	-0.06	-0.06	-0.06	-0.06		ppb
Thallium	205-1	-0.05	-0.05	-0.06	-0.05		ppb
Tin	118-1	0.08	0.20	0.14	0.14	44.43	ppb
Titanium	47-1	0.02	-0.02	0.00	0.00	574.31	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:10:16	DataFile Name :	061CCBE.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	0.01	0.00	0.01	84.75	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	-0.42	-0.31	-0.21	-0.32		ppb
Zirconium	90-1	-0.01	0.01	0.00	0.00		ppb
Zirconium	91-1	-0.01	-0.01	0.00	-0.01		ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-05	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:13:37	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.15	3.71	7.16	4.01	75.20	ppb
Antimony	121-1	0.08	0.08	0.08	0.08	1.97	ppb
Arsenic	75-2	0.52	0.36	0.47	0.45	17.70	ppb
Barium	135-1	183.37	175.98	176.52	178.62	2.31	ppb
Barium	137-1	185.99	180.81	179.51	182.10	1.88	ppb
Beryllium	9-1	0.00	0.00	0.01	0.00	359.18	ppb
Bismuth	209-1				119		%
Bismuth	209-2				118		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	-0.01	0.04	0.04	120.43	ppb
Cadmium	106-1	-3.77	-2.71	-1.89	-2.79		ppb
Cadmium	111-1	-0.26	-0.18	-0.13	-0.19		ppb
Calcium	43-1	69223.98	67148.46	67896.37	68089.60	1.54	ppb
Calcium	44-1	67733.89	65122.24	65899.80	66251.98	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.39	0.46	0.43	0.43	8.44	ppb
Cobalt	59-2	1.85	1.87	1.83	1.85	1.02	ppb
Copper	63-2	0.13	0.15	0.17	0.15	14.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				120		%
Indium	115-1				125		%
Indium	115-2				122		%
Iron	56-2	22865.82	22947.42	22662.71	22825.32	0.64	ppb
Iron	57-2	23041.45	22937.53	23252.41	23077.13	0.70	ppb
Iron	54-2	23045.69	23031.92	22681.66	22919.76	0.90	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-05	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:13:37	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.02	0.00	-0.01	-0.01		ppb
Lead	207-1	-0.03	-0.01	-0.03	-0.02		ppb
Lead	208-1	-0.02	-0.02	-0.02	-0.02		ppb
Lithium	6-1				101		%
Magnesium	24-2	22226.59	22101.72	22345.21	22224.51	0.55	ppb
Manganese	55-2	1245.37	1257.30	1252.11	1251.59	0.48	ppb
Molybdenum	94-1	1.30	1.24	1.33	1.29	3.38	ppb
Molybdenum	95-1	1.55	1.48	1.50	1.51	2.32	ppb
Molybdenum	96-1	1.71	1.53	1.61	1.62	5.48	ppb
Molybdenum	97-1	1.56	1.47	1.51	1.51	3.10	ppb
Molybdenum	98-1	1.58	1.51	1.54	1.55	2.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.60	0.68	0.63	0.64	6.28	ppb
Phosphorus	31-2	144.73	151.91	133.66	143.43	6.41	ppb
Potassium	39-2	10081.42	9971.93	9802.37	9951.91	1.41	ppb
Rhodium	103-1				120		%
Rhodium	103-2				123		%
Scandium	45-1				116		%
Scandium	45-2				119		%
Selenium	82-1	1.85	1.61	1.50	1.65	10.80	ppb
Selenium	77-2	0.95	1.95	2.90	1.94	50.35	ppb
Selenium	78-2	2.30	1.53	1.60	1.81	23.46	ppb
Silicon	28-1	4217.47	4018.66	4022.99	4086.37	2.78	ppb
Silver	107-1	0.02	0.02	0.01	0.01	50.54	ppb
Silver	109-1	0.03	0.02	0.03	0.02	23.23	ppb
Sodium	23-2	11868.12	11911.31	12216.66	11998.70	1.58	ppb
Strontium	86-1	789.08	752.54	746.07	762.56	3.04	ppb
Strontium	88-1	777.08	755.89	754.28	762.42	1.67	ppb
Sulfur	34-1	65288.34	61823.95	63584.61	63565.63	2.73	ppb
Terbium	159-1				124		%
Terbium	159-2				121		%
Thallium	203-1	-0.07	-0.07	-0.08	-0.07		ppb
Thallium	205-1	-0.06	-0.06	-0.06	-0.06		ppb
Tin	118-1	0.06	0.03	0.05	0.05	41.00	ppb
Titanium	47-1	0.50	0.43	0.55	0.50	12.22	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-05	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:13:37	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	5.85	ppb
Vanadium	51-2	0.10	0.07	0.09	0.09	13.53	ppb
Yttrium	89-1				114		%
Yttrium	89-2				116		%
Zinc	66-2	-2.00	-1.47	-1.70	-1.73		ppb
Zirconium	90-1	0.02	0.01	0.02	0.02	30.88	ppb
Zirconium	91-1	0.01	0.02	0.02	0.02	16.99	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-06	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:16:45	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.66	6.95	6.62	6.74	2.63	ppb
Antimony	121-1	0.09	0.10	0.10	0.10	6.53	ppb
Arsenic	75-2	0.39	0.42	0.50	0.44	12.19	ppb
Barium	135-1	168.52	170.15	167.24	168.64	0.87	ppb
Barium	137-1	169.53	171.26	169.24	170.01	0.64	ppb
Beryllium	9-1	0.00	0.01	0.01	0.01	84.98	ppb
Bismuth	209-1				116		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	-0.03	-0.03	-0.01		ppb
Cadmium	106-1	-0.29	-2.06	-1.73	-1.36		ppb
Cadmium	111-1	-0.01	-0.14	-0.10	-0.08		ppb
Calcium	43-1	62641.17	63514.99	64200.75	63452.30	1.23	ppb
Calcium	44-1	61860.76	61357.94	61402.81	61540.50	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.20	-0.18	-0.12	-0.17		ppb
Cobalt	59-2	1.67	1.71	1.68	1.69	1.02	ppb
Copper	63-2	0.16	0.16	0.11	0.14	19.67	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				120		%
Holmium	165-2				120		%
Indium	115-1				125		%
Indium	115-2				120		%
Iron	56-2	21640.16	21642.32	21653.17	21645.22	0.03	ppb
Iron	57-2	21582.24	22201.95	22213.59	21999.26	1.64	ppb
Iron	54-2	21298.13	21506.61	21779.53	21528.09	1.12	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-06	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:16:45	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.03	0.00	0.01	101.11	ppb
Lead	207-1	0.00	0.02	0.03	0.01	99.92	ppb
Lead	208-1	0.02	0.02	0.01	0.02	19.56	ppb
Lithium	6-1				101		%
Magnesium	24-2	20718.50	21305.17	21100.35	21041.34	1.42	ppb
Manganese	55-2	1176.46	1193.35	1198.43	1189.41	0.97	ppb
Molybdenum	94-1	1.56	1.48	1.48	1.50	3.07	ppb
Molybdenum	95-1	1.79	1.83	1.83	1.82	1.16	ppb
Molybdenum	96-1	1.88	1.88	1.86	1.88	0.56	ppb
Molybdenum	97-1	1.83	1.77	1.80	1.80	1.48	ppb
Molybdenum	98-1	1.77	1.86	1.72	1.78	4.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.66	0.73	0.62	0.67	8.18	ppb
Phosphorus	31-2	159.63	163.81	141.10	154.85	7.81	ppb
Potassium	39-2	9818.87	9883.63	10155.99	9952.83	1.80	ppb
Rhodium	103-1				123		%
Rhodium	103-2				121		%
Scandium	45-1				118		%
Scandium	45-2				116		%
Selenium	82-1	1.03	1.78	1.33	1.38	27.57	ppb
Selenium	77-2	1.96	2.71	1.40	2.03	32.48	ppb
Selenium	78-2	3.47	3.73	0.29	2.50	76.65	ppb
Silicon	28-1	3786.18	3853.57	3979.33	3873.03	2.53	ppb
Silver	107-1	0.01	0.01	0.02	0.01	24.17	ppb
Silver	109-1	0.02	0.02	0.01	0.02	28.98	ppb
Sodium	23-2	12300.39	12072.41	12446.23	12273.01	1.54	ppb
Strontium	86-1	715.92	697.13	704.61	705.89	1.34	ppb
Strontium	88-1	697.16	706.79	707.97	703.97	0.84	ppb
Sulfur	34-1	56208.13	59165.07	59488.61	58287.27	3.10	ppb
Terbium	159-1				123		%
Terbium	159-2				119		%
Thallium	203-1	-0.07	-0.07	-0.07	-0.07		ppb
Thallium	205-1	-0.06	-0.06	-0.06	-0.06		ppb
Tin	118-1	0.78	0.83	0.78	0.80	4.17	ppb
Titanium	47-1	0.50	0.51	0.54	0.52	4.23	ppb

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-06	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:16:45	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.03	0.03	2.13	ppb
Vanadium	51-2	0.09	0.09	0.08	0.09	11.16	ppb
Yttrium	89-1				116		%
Yttrium	89-2				114		%
Zinc	66-2	-0.56	-0.45	-0.68	-0.56		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	33.13	ppb
Zirconium	91-1	0.00	0.02	0.00	0.01	179.81	ppb

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-07	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:19:54	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.34	1.28	0.78	1.13	27.30	ppb
Antimony	121-1	0.04	0.03	0.04	0.03	11.35	ppb
Arsenic	75-2	0.01	0.06	0.04	0.03	73.57	ppb
Barium	135-1	-0.04	-0.01	-0.04	-0.03		ppb
Barium	137-1	-0.01	0.00	-0.01	0.00		ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	115.93	ppb
Bismuth	209-1				120		%
Bismuth	209-2				119		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	-0.03	0.02	0.01	409.35	ppb
Cadmium	106-1	-2.39	-2.68	-1.21	-2.09		ppb
Cadmium	111-1	-0.16	-0.18	-0.08	-0.14		ppb
Calcium	43-1	-8.42	-10.02	-12.42	-10.29		ppb
Calcium	44-1	0.98	0.78	4.13	1.96	95.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.22	-0.26	-0.24	-0.24		ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.15	0.15	0.10	0.13	19.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				118		%
Indium	115-1				127		%
Indium	115-2				122		%
Iron	56-2	28.33	27.12	27.15	27.53	2.50	ppb
Iron	57-2	23.18	25.36	27.87	25.47	9.21	ppb
Iron	54-2	27.92	26.63	24.66	26.40	6.22	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-07	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:19:54	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.00	0.00	0.00	8939.92	ppb
Lead	207-1	0.00	0.00	0.01	0.00	299.52	ppb
Lead	208-1	0.01	0.00	0.01	0.01	49.60	ppb
Lithium	6-1				102		%
Magnesium	24-2	-5.60	-5.65	-5.45	-5.56		ppb
Manganese	55-2	16.45	15.61	15.80	15.95	2.75	ppb
Molybdenum	94-1	0.92	1.03	0.99	0.98	5.71	ppb
Molybdenum	95-1	1.24	1.21	1.17	1.21	2.91	ppb
Molybdenum	96-1	1.22	1.31	1.25	1.26	3.58	ppb
Molybdenum	97-1	1.29	1.23	1.26	1.26	2.44	ppb
Molybdenum	98-1	1.22	1.22	1.25	1.23	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	0.00	-0.10	-0.05		ppb
Phosphorus	31-2	-43.32	-53.78	-39.98	-45.69		ppb
Potassium	39-2	190.19	189.58	184.04	187.93	1.80	ppb
Rhodium	103-1				125		%
Rhodium	103-2				121		%
Scandium	45-1				119		%
Scandium	45-2				118		%
Selenium	82-1	1.28	0.90	0.91	1.03	21.11	ppb
Selenium	77-2	0.80	2.58	0.58	1.32	82.87	ppb
Selenium	78-2	-0.17	2.12	0.65	0.86	134.55	ppb
Silicon	28-1	-5.17	-4.54	-3.96	-4.56		ppb
Silver	107-1	0.02	0.03	0.04	0.03	30.12	ppb
Silver	109-1	0.03	0.03	0.04	0.03	30.65	ppb
Sodium	23-2	38.35	37.73	35.62	37.23	3.84	ppb
Strontium	86-1	-0.03	0.00	0.02	0.00		ppb
Strontium	88-1	0.04	0.04	0.04	0.04	5.35	ppb
Sulfur	34-1	-2056.79	-1924.28	-1771.25	-1917.44		ppb
Terbium	159-1				123		%
Terbium	159-2				120		%
Thallium	203-1	-0.07	-0.07	-0.08	-0.07		ppb
Thallium	205-1	-0.07	-0.07	-0.07	-0.07		ppb
Tin	118-1	0.66	0.68	0.81	0.72	11.19	ppb
Titanium	47-1	-0.03	0.04	-0.04	-0.01		ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-07	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:19:54	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	154.04	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	61.98	ppb
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	-0.60	-0.61	-0.51	-0.58		ppb
Zirconium	90-1	0.00	0.01	0.01	0.00	82.29	ppb
Zirconium	91-1	0.00	-0.01	0.00	0.00		ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-08	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:23:11	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.02	1.17	0.79	1.32	47.40	ppb
Antimony	121-1	0.03	0.03	0.02	0.03	17.72	ppb
Arsenic	75-2	0.02	0.03	0.02	0.02	30.86	ppb
Barium	135-1	-0.01	-0.02	-0.05	-0.03		ppb
Barium	137-1	-0.01	0.00	-0.01	-0.01		ppb
Beryllium	9-1	0.03	-0.01	0.01	0.01	149.08	ppb
Bismuth	209-1				116		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.18	0.07	0.02	0.09	86.11	ppb
Cadmium	106-1	0.28	-1.69	-0.75	-0.72		ppb
Cadmium	111-1	0.02	-0.12	-0.05	-0.05		ppb
Calcium	43-1	-12.99	-15.05	-8.83	-12.29		ppb
Calcium	44-1	0.60	1.77	-0.42	0.65	167.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.15	-0.14	-0.22	-0.17		ppb
Cobalt	59-2	-0.02	-0.01	-0.02	-0.02		ppb
Copper	63-2	0.00	0.00	0.04	0.01	165.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				114		%
Indium	115-1				122		%
Indium	115-2				118		%
Iron	56-2	3.78	3.40	3.35	3.51	6.68	ppb
Iron	57-2	1.42	-0.40	1.39	0.80	129.47	ppb
Iron	54-2	2.87	1.32	2.10	2.10	36.97	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-08	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:23:11	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.02	0.01	-0.03	-0.01		ppb
Lead	207-1	-0.04	-0.02	-0.03	-0.03		ppb
Lead	208-1	-0.02	-0.01	-0.02	-0.02		ppb
Lithium	6-1				100		%
Magnesium	24-2	-3.51	-2.80	-3.19	-3.17		ppb
Manganese	55-2	7.23	7.09	7.30	7.21	1.51	ppb
Molybdenum	94-1	0.28	0.28	0.29	0.28	3.49	ppb
Molybdenum	95-1	0.31	0.31	0.31	0.31	1.23	ppb
Molybdenum	96-1	0.32	0.35	0.33	0.33	3.76	ppb
Molybdenum	97-1	0.32	0.33	0.30	0.32	4.25	ppb
Molybdenum	98-1	0.33	0.33	0.34	0.33	2.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	-0.10	-0.14	-0.10		ppb
Phosphorus	31-2	-53.52	-64.71	-57.07	-58.43		ppb
Potassium	39-2	26.47	24.99	27.88	26.44	5.47	ppb
Rhodium	103-1				121		%
Rhodium	103-2				118		%
Scandium	45-1				117		%
Scandium	45-2				115		%
Selenium	82-1	1.30	0.41	0.54	0.75	64.15	ppb
Selenium	77-2	0.58	1.00	1.22	0.94	34.89	ppb
Selenium	78-2	0.57	1.81	0.96	1.11	57.04	ppb
Silicon	28-1	-3.75	-3.64	-2.45	-3.28		ppb
Silver	107-1	0.02	0.01	0.01	0.02	13.20	ppb
Silver	109-1	0.02	0.02	0.02	0.02	17.18	ppb
Sodium	23-2	15.18	14.26	14.17	14.54	3.84	ppb
Strontium	86-1	-0.03	-0.01	-0.06	-0.03		ppb
Strontium	88-1	0.02	0.01	0.01	0.01	23.58	ppb
Sulfur	34-1	-1774.55	-1741.71	-1654.86	-1723.71		ppb
Terbium	159-1				119		%
Terbium	159-2				116		%
Thallium	203-1	-0.08	-0.08	-0.08	-0.08		ppb
Thallium	205-1	-0.07	-0.07	-0.07	-0.07		ppb
Tin	118-1	0.37	0.39	0.35	0.37	5.55	ppb
Titanium	47-1	-0.05	-0.01	-0.01	-0.02		ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-08	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:23:11	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	5042.85	ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	70.52	ppb
Yttrium	89-1				113		%
Yttrium	89-2				112		%
Zinc	66-2	-0.46	-0.74	-0.87	-0.69		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.00	-0.01	-0.01	-0.01		ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03DLX5	Instrumnet Name :	P7
Client Sample ID :	0804-EDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 16:26:31	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3705.48	3776.67	3701.25	3727.80	1.14	ppb
Antimony	121-1	0.18	0.18	0.18	0.18	2.19	ppb
Arsenic	75-2	1.61	1.75	1.67	1.68	4.24	ppb
Barium	135-1	93.92	94.61	95.37	94.63	0.77	ppb
Barium	137-1	98.12	95.59	100.56	98.09	2.54	ppb
Beryllium	9-1	1.49	1.61	1.75	1.61	7.91	ppb
Bismuth	209-1				107		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.79	2.69	2.59	2.69	3.64	ppb
Cadmium	106-1	1.02	2.29	2.19	1.83	38.27	ppb
Cadmium	111-1	2.80	2.93	2.83	2.85	2.39	ppb
Calcium	43-1	20979.92	20305.97	20717.26	20667.71	1.64	ppb
Calcium	44-1	20095.34	20105.95	19959.70	20053.67	0.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.39	13.50	13.19	13.36	1.17	ppb
Cobalt	59-2	13.36	13.40	13.14	13.30	1.05	ppb
Copper	63-2	15.89	16.03	16.22	16.05	1.04	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				112		%
Holmium	165-2				112		%
Indium	115-1				113		%
Indium	115-2				115		%
Iron	56-2	8232.13	8272.12	8347.42	8283.89	0.71	ppb
Iron	57-2	8438.38	8572.30	8566.63	8525.77	0.89	ppb
Iron	54-2	8436.08	8518.46	8203.36	8385.97	1.95	ppb
Krypton	83-1						cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03DLX5	Instrumnet Name :	P7
Client Sample ID :	0804-EDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 16:26:31	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	27.17	28.99	27.66	27.94	3.38	ppb
Lead	207-1	26.63	28.30	27.91	27.61	3.15	ppb
Lead	208-1	27.02	27.97	27.49	27.49	1.74	ppb
Lithium	6-1				92		%
Magnesium	24-2	9788.88	9684.83	9502.96	9658.89	1.50	ppb
Manganese	55-2	241.66	247.21	245.94	244.94	1.19	ppb
Molybdenum	94-1	6.99	6.63	7.11	6.91	3.59	ppb
Molybdenum	95-1	3.52	3.57	3.72	3.60	2.90	ppb
Molybdenum	96-1	3.86	4.10	4.27	4.08	5.07	ppb
Molybdenum	97-1	3.60	3.66	3.65	3.64	0.90	ppb
Molybdenum	98-1	3.60	3.69	3.60	3.63	1.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.69	12.22	12.02	11.98	2.26	ppb
Phosphorus	31-2	3398.55	3424.15	3463.65	3428.78	0.96	ppb
Potassium	39-2	5200.56	5349.46	5271.68	5273.90	1.41	ppb
Rhodium	103-1				115		%
Rhodium	103-2				113		%
Scandium	45-1				109		%
Scandium	45-2				111		%
Selenium	82-1	1.24	2.16	1.71	1.70	27.16	ppb
Selenium	77-2	4.96	7.10	6.82	6.29	18.52	ppb
Selenium	78-2	3.30	4.51	3.15	3.65	20.32	ppb
Silicon	28-1	3153.75	3243.59	3285.56	3227.63	2.09	ppb
Silver	107-1	0.03	0.02	0.03	0.03	17.41	ppb
Silver	109-1	0.02	0.03	0.03	0.03	13.66	ppb
Sodium	23-2	25746.21	25752.10	25394.59	25630.96	0.80	ppb
Strontium	86-1	70.49	72.33	74.00	72.27	2.43	ppb
Strontium	88-1	70.39	69.78	71.97	70.71	1.60	ppb
Sulfur	34-1	5706.91	5387.53	5445.07	5513.17	3.09	ppb
Terbium	159-1				113		%
Terbium	159-2				114		%
Thallium	203-1	0.03	0.06	0.04	0.04	25.50	ppb
Thallium	205-1	0.06	0.07	0.07	0.06	4.17	ppb
Tin	118-1	0.64	0.66	0.66	0.65	1.61	ppb
Titanium	47-1	35.09	36.19	36.21	35.83	1.78	ppb

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03DLX5	Instrumnet Name :	P7
Client Sample ID :	0804-EDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 16:26:31	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.30	1.36	1.36	1.34	2.43	ppb
Vanadium	51-2	77.78	79.25	78.38	78.47	0.94	ppb
Yttrium	89-1				108		%
Yttrium	89-2				111		%
Zinc	66-2	84.98	86.59	84.53	85.37	1.27	ppb
Zirconium	90-1	2.11	2.13	2.08	2.10	1.17	ppb
Zirconium	91-1	2.18	2.07	2.15	2.13	2.75	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01DLX2	Instrumnet Name :	P7
Client Sample ID :	#452DL	Dilution Factor :	2
Date & Time Acquired :	2025-08-15 16:29:43	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	422.77	422.88	419.57	421.74	0.45	ppb
Antimony	121-1	0.35	0.36	0.32	0.34	5.94	ppb
Arsenic	75-2	0.37	0.50	0.46	0.44	15.50	ppb
Barium	135-1	14.57	15.34	15.15	15.02	2.70	ppb
Barium	137-1	14.41	15.59	15.19	15.06	3.96	ppb
Beryllium	9-1	0.00	0.01	0.01	0.01	37.49	ppb
Bismuth	209-1				108		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.29	0.22	0.22	0.24	15.41	ppb
Cadmium	106-1	-0.71	0.89	-1.33	-0.38		ppb
Cadmium	111-1	0.02	0.15	-0.03	0.05	182.44	ppb
Calcium	43-1	2061.42	2096.66	2121.11	2093.06	1.43	ppb
Calcium	44-1	2082.75	2139.62	2092.16	2104.84	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.01	20.08	19.75	19.95	0.87	ppb
Cobalt	59-2	1.17	1.10	1.14	1.14	2.96	ppb
Copper	63-2	25.29	25.45	24.80	25.18	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				114		%
Holmium	165-2				114		%
Indium	115-1				116		%
Indium	115-2				115		%
Iron	56-2	144422.04	143607.74	141927.78	143319.19	0.89	ppb
Iron	57-2	141757.56	141001.33	137302.81	140020.56	1.70	ppb
Iron	54-2	146079.25	142278.00	140510.82	142956.02	1.99	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01DLX2	Instrumnet Name :	P7
Client Sample ID :	#452DL	Dilution Factor :	2
Date & Time Acquired :	2025-08-15 16:29:43	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.70	7.79	7.90	7.80	1.29	ppb
Lead	207-1	7.23	7.47	7.49	7.40	1.98	ppb
Lead	208-1	7.45	7.49	7.64	7.53	1.33	ppb
Lithium	6-1				94		%
Magnesium	24-2	241.30	241.33	240.19	240.94	0.27	ppb
Manganese	55-2	335.10	337.78	329.15	334.01	1.32	ppb
Molybdenum	94-1	3.04	3.07	2.83	2.98	4.47	ppb
Molybdenum	95-1	2.88	3.01	2.86	2.92	2.83	ppb
Molybdenum	96-1	3.72	3.76	3.65	3.71	1.50	ppb
Molybdenum	97-1	2.87	2.99	2.98	2.95	2.21	ppb
Molybdenum	98-1	2.82	2.93	2.88	2.88	1.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.11	2.89	2.95	2.98	3.76	ppb
Phosphorus	31-2	-37.75	-40.24	-44.86	-40.95		ppb
Potassium	39-2	3333.34	3213.34	3156.99	3234.56	2.78	ppb
Rhodium	103-1				116		%
Rhodium	103-2				114		%
Scandium	45-1				112		%
Scandium	45-2				111		%
Selenium	82-1	0.35	-0.02	1.08	0.47	119.48	ppb
Selenium	77-2	1.63	1.63	1.66	1.64	1.10	ppb
Selenium	78-2	2.09	2.58	2.24	2.31	10.89	ppb
Silicon	28-1	127.53	132.17	130.42	130.04	1.80	ppb
Silver	107-1	0.04	0.04	0.04	0.04	2.35	ppb
Silver	109-1	0.05	0.04	0.04	0.04	3.06	ppb
Sodium	23-2	109145.16	109511.73	106681.65	108446.18	1.42	ppb
Strontium	86-1	8.87	9.19	8.96	9.01	1.86	ppb
Strontium	88-1	8.86	9.09	8.96	8.97	1.24	ppb
Sulfur	34-1	-752.52	-331.51	-220.24	-434.76		ppb
Terbium	159-1				115		%
Terbium	159-2				115		%
Thallium	203-1	-0.07	-0.08	-0.07	-0.07		ppb
Thallium	205-1	-0.07	-0.07	-0.07	-0.07		ppb
Tin	118-1	2.64	2.90	2.76	2.76	4.67	ppb
Titanium	47-1	5.80	6.10	6.00	5.97	2.48	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01DLX2	Instrumnet Name :	P7
Client Sample ID :	#452DL	Dilution Factor :	2
Date & Time Acquired :	2025-08-15 16:29:43	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	14.12	ppb
Vanadium	51-2	1.17	1.18	1.13	1.16	2.17	ppb
Yttrium	89-1				110		%
Yttrium	89-2				110		%
Zinc	66-2	236.51	236.10	232.91	235.17	0.84	ppb
Zirconium	90-1	0.30	0.30	0.30	0.30	0.54	ppb
Zirconium	91-1	0.28	0.32	0.32	0.31	7.21	ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	#456DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:32:59	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	84.21	82.62	81.83	82.89	1.46	ppb
Antimony	121-1	1.79	1.93	2.07	1.93	7.29	ppb
Arsenic	75-2	4.30	4.29	4.56	4.38	3.48	ppb
Barium	135-1	7.92	7.97	7.77	7.89	1.35	ppb
Barium	137-1	7.69	7.89	7.86	7.81	1.33	ppb
Beryllium	9-1	0.02	0.01	0.00	0.01	85.58	ppb
Bismuth	209-1				75		%
Bismuth	209-2				77		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	31.85	33.89	33.10	32.95	3.11	ppb
Cadmium	106-1	0.01	-1.45	-2.42	-1.29		ppb
Cadmium	111-1	1.10	1.08	0.83	1.00	15.30	ppb
Calcium	43-1	411.17	433.26	456.63	433.69	5.24	ppb
Calcium	44-1	573.70	583.02	606.32	587.68	2.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.48	1.63	1.63	1.58	5.27	ppb
Cobalt	59-2	0.07	0.06	0.07	0.07	12.88	ppb
Copper	63-2	51.79	51.55	52.69	52.01	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				77		%
Holmium	165-2				78		%
Indium	115-1				79		%
Indium	115-2				79		%
Iron	56-2	100.56	102.45	103.62	102.21	1.51	ppb
Iron	57-2	110.37	113.46	112.32	112.05	1.40	ppb
Iron	54-2	107.71	108.21	106.39	107.44	0.88	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	#456DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:32:59	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.85	3.99	4.06	3.97	2.71	ppb
Lead	207-1	3.84	3.86	3.90	3.87	0.75	ppb
Lead	208-1	3.84	3.98	3.97	3.93	2.00	ppb
Lithium	6-1				69		%
Magnesium	24-2	159.89	163.41	165.72	163.01	1.80	ppb
Manganese	55-2	23.81	23.62	24.15	23.86	1.13	ppb
Molybdenum	94-1	7751.35	7929.44	8010.74	7897.18	1.68	ppb
Molybdenum	95-1	9412.10	9600.86	9956.24	9656.40	2.86	ppb
Molybdenum	96-1	9152.84	9420.98	9745.09	9439.64	3.14	ppb
Molybdenum	97-1	9463.45	9676.87	9949.14	9696.49	2.51	ppb
Molybdenum	98-1	9322.05	9698.87	9821.30	9614.07	2.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.45	0.45	0.67	0.52	24.08	ppb
Phosphorus	31-2	960.67	986.90	1013.65	987.07	2.68	ppb
Potassium	39-2	236005.00	228212.50	235077.52	233098.34	1.83	ppb
Rhodium	103-1				76		%
Rhodium	103-2				78		%
Scandium	45-1				73		%
Scandium	45-2				75		%
Selenium	82-1	9.49	11.16	11.54	10.73	10.16	ppb
Selenium	77-2	12.62	12.24	9.76	11.54	13.44	ppb
Selenium	78-2	17.60	17.99	17.18	17.59	2.32	ppb
Silicon	28-1	338.10	364.08	396.92	366.36	8.04	ppb
Silver	107-1	0.11	0.11	0.11	0.11	1.32	ppb
Silver	109-1	0.10	0.12	0.13	0.11	10.85	ppb
Sodium	23-2	97633.46	97670.80	99542.96	98282.40	1.11	ppb
Strontium	86-1	15.08	15.48	15.72	15.43	2.09	ppb
Strontium	88-1	14.73	15.09	15.42	15.08	2.29	ppb
Sulfur	34-1	2766.47	2223.29	2303.87	2431.21	12.06	ppb
Terbium	159-1				78		%
Terbium	159-2				79		%
Thallium	203-1	-0.03	-0.04	-0.03	-0.04		ppb
Thallium	205-1	-0.03	-0.03	-0.02	-0.03		ppb
Tin	118-1	1.26	1.32	1.34	1.31	3.10	ppb
Titanium	47-1	0.75	0.88	0.83	0.82	7.57	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	#456DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:32:59	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.00	0.00	12.61	ppb
Vanadium	51-2	0.47	0.47	0.44	0.46	3.71	ppb
Yttrium	89-1				72		%
Yttrium	89-2				73		%
Zinc	66-2	203.72	202.50	206.84	204.35	1.10	ppb
Zirconium	90-1	0.07	0.04	0.05	0.06	26.94	ppb
Zirconium	91-1	0.07	0.07	0.04	0.06	25.38	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:36:10	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2073.15	2076.20	2048.19	2065.85	0.74	ppb
Antimony	121-1	0.54	0.65	0.75	0.65	16.72	ppb
Arsenic	75-2	4.73	4.91	4.55	4.73	3.82	ppb
Barium	135-1	5.71	6.44	5.81	5.99	6.65	ppb
Barium	137-1	5.58	5.98	5.82	5.79	3.49	ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	83.40	ppb
Bismuth	209-1				78		%
Bismuth	209-2				78		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.14	6.16	7.34	6.55	10.49	ppb
Cadmium	106-1	-1.82	-2.15	-2.33	-2.10		ppb
Cadmium	111-1	0.19	0.20	0.19	0.20	2.22	ppb
Calcium	43-1	1590.58	1621.02	1636.22	1615.94	1.44	ppb
Calcium	44-1	1719.47	1753.84	1742.09	1738.47	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.30	1.29	1.28	1.29	0.75	ppb
Cobalt	59-2	0.01	0.01	0.02	0.01	55.86	ppb
Copper	63-2	62.74	62.82	63.09	62.88	0.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				78		%
Holmium	165-2				78		%
Indium	115-1				80		%
Indium	115-2				79		%
Iron	56-2	99.60	100.48	99.72	99.94	0.48	ppb
Iron	57-2	116.57	116.96	122.23	118.59	2.66	ppb
Iron	54-2	101.75	104.67	108.26	104.89	3.11	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:36:10	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.38	0.37	0.37	0.37	2.38	ppb
Lead	207-1	0.35	0.34	0.41	0.37	11.51	ppb
Lead	208-1	0.37	0.36	0.38	0.37	3.53	ppb
Lithium	6-1				70		%
Magnesium	24-2	127.44	123.73	122.88	124.68	1.95	ppb
Manganese	55-2	92.72	93.15	93.90	93.26	0.64	ppb
Molybdenum	94-1	1563.07	1645.96	1624.83	1611.29	2.67	ppb
Molybdenum	95-1	1892.22	1951.34	1910.37	1917.98	1.58	ppb
Molybdenum	96-1	1904.42	1943.12	1849.65	1899.07	2.47	ppb
Molybdenum	97-1	1932.57	1989.89	1967.24	1963.23	1.47	ppb
Molybdenum	98-1	1937.25	1982.43	1921.47	1947.05	1.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.38	0.51	0.44	0.44	14.88	ppb
Phosphorus	31-2	4.34	14.93	9.20	9.49	55.86	ppb
Potassium	39-2	153786.51	153981.99	153681.98	153816.83	0.10	ppb
Rhodium	103-1				79		%
Rhodium	103-2				79		%
Scandium	45-1				76		%
Scandium	45-2				76		%
Selenium	82-1	9.20	12.31	12.78	11.43	17.01	ppb
Selenium	77-2	11.04	13.27	8.62	10.98	21.18	ppb
Selenium	78-2	16.78	17.19	17.04	17.01	1.21	ppb
Silicon	28-1	184.65	208.00	214.50	202.38	7.75	ppb
Silver	107-1	0.02	0.01	0.02	0.02	18.87	ppb
Silver	109-1	0.02	0.02	0.02	0.02	15.27	ppb
Sodium	23-2	63441.59	63665.96	63248.13	63451.89	0.33	ppb
Strontium	86-1	6.02	5.75	5.99	5.92	2.51	ppb
Strontium	88-1	5.69	5.68	5.61	5.66	0.71	ppb
Sulfur	34-1	2340.15	2246.83	2053.00	2213.33	6.62	ppb
Terbium	159-1				80		%
Terbium	159-2				79		%
Thallium	203-1	0.00	-0.02	0.00	-0.01		ppb
Thallium	205-1	0.00	0.01	-0.01	0.00	735.00	ppb
Tin	118-1	1.00	1.18	1.14	1.11	8.41	ppb
Titanium	47-1	0.43	0.43	0.38	0.42	6.69	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:36:10	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	15.48	ppb
Vanadium	51-2	0.88	0.89	0.94	0.90	3.30	ppb
Yttrium	89-1				74		%
Yttrium	89-2				76		%
Zinc	66-2	386.08	388.21	383.05	385.78	0.67	ppb
Zirconium	90-1	0.08	0.08	0.07	0.08	3.29	ppb
Zirconium	91-1	0.08	0.09	0.05	0.07	25.20	ppb

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:39:21	DataFile Name :	070CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48633.45	46745.29	48060.83	47813.19	2.02	ppb
Antimony	121-1	476.34	522.13	512.82	503.76	4.80	ppb
Arsenic	75-2	463.25	467.76	475.86	468.96	1.36	ppb
Barium	135-1	2365.08	2594.93	2703.98	2554.66	6.77	ppb
Barium	137-1	2398.58	2584.37	2650.75	2544.57	5.14	ppb
Beryllium	9-1	486.21	538.86	517.13	514.07	5.15	ppb
Bismuth	209-1				106		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	456.53	506.72	512.73	491.99	6.27	ppb
Cadmium	106-1	463.08	503.50	524.49	497.02	6.28	ppb
Cadmium	111-1	462.90	501.09	509.91	491.30	5.09	ppb
Calcium	43-1	248067.96	270846.52	264759.34	261224.60	4.51	ppb
Calcium	44-1	246192.01	265747.38	266997.77	259645.72	4.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	475.96	491.61	491.93	486.50	1.88	ppb
Cobalt	59-2	474.64	485.25	488.50	482.79	1.50	ppb
Copper	63-2	4726.98	4630.78	4861.10	4739.62	2.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				117		%
Indium	115-1				113		%
Indium	115-2				115		%
Iron	56-2	126781.93	125844.40	126765.76	126464.03	0.42	ppb
Iron	57-2	125079.02	126232.97	128092.01	126468.00	1.20	ppb
Iron	54-2	125809.90	127533.75	128835.42	127393.02	1.19	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:39:21	DataFile Name :	070CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2473.08	2725.35	2622.61	2607.01	4.87	ppb
Lead	207-1	2474.70	2685.20	2563.89	2574.59	4.10	ppb
Lead	208-1	2470.63	2642.52	2578.61	2563.92	3.39	ppb
Lithium	6-1				98		%
Magnesium	24-2	241056.06	236132.97	243829.20	240339.41	1.62	ppb
Manganese	55-2	4795.77	4851.44	4873.64	4840.28	0.83	ppb
Molybdenum	94-1	4913.30	5414.35	5171.16	5166.27	4.85	ppb
Molybdenum	95-1	4867.31	5273.31	5171.34	5103.99	4.14	ppb
Molybdenum	96-1	4797.39	5261.00	5090.61	5049.67	4.64	ppb
Molybdenum	97-1	4843.67	5375.39	5079.46	5099.51	5.22	ppb
Molybdenum	98-1	4839.73	5322.95	5081.82	5081.50	4.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	471.67	466.21	473.52	470.47	0.81	ppb
Phosphorus	31-2	9464.06	9386.74	9638.52	9496.44	1.36	ppb
Potassium	39-2	123283.53	121983.39	126573.07	123946.67	1.91	ppb
Rhodium	103-1				111		%
Rhodium	103-2				113		%
Scandium	45-1				113		%
Scandium	45-2				116		%
Selenium	82-1	465.95	515.15	496.81	492.64	5.05	ppb
Selenium	77-2	454.81	474.31	480.28	469.80	2.84	ppb
Selenium	78-2	450.33	459.87	468.70	459.63	2.00	ppb
Silicon	28-1	497.83	572.45	541.03	537.10	6.98	ppb
Silver	107-1	479.38	519.50	528.43	509.11	5.13	ppb
Silver	109-1	467.03	500.07	526.83	497.98	6.02	ppb
Sodium	23-2	241477.64	240621.45	238497.88	240198.99	0.64	ppb
Strontium	86-1	476.76	526.51	499.39	500.89	4.97	ppb
Strontium	88-1	485.93	537.99	505.48	509.80	5.16	ppb
Sulfur	34-1	6977.24	8523.99	8189.29	7896.84	10.31	ppb
Terbium	159-1				116		%
Terbium	159-2				118		%
Thallium	203-1	515.60	548.02	524.36	529.33	3.17	ppb
Thallium	205-1	498.95	543.13	524.41	522.16	4.25	ppb
Tin	118-1	485.82	517.47	515.43	506.24	3.50	ppb
Titanium	47-1	4706.70	5224.58	5040.93	4990.74	5.26	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:39:21	DataFile Name :	070CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	479.51	516.21	508.44	501.39	3.86	ppb
Vanadium	51-2	483.50	480.80	485.93	483.41	0.53	ppb
Yttrium	89-1				108		%
Yttrium	89-2				113		%
Zinc	66-2	4648.97	4670.04	4726.97	4681.99	0.86	ppb
Zirconium	90-1	482.27	520.38	510.58	504.41	3.92	ppb
Zirconium	91-1	474.44	517.47	499.81	497.24	4.35	ppb

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:50:13	DataFile Name :	071CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.28	-2.84	-1.97	-2.36		ppb
Antimony	121-1	0.04	0.04	0.04	0.04	1.51	ppb
Arsenic	75-2	0.01	0.02	0.05	0.03	77.22	ppb
Barium	135-1	-0.01	-0.01	-0.01	-0.01		ppb
Barium	137-1	-0.02	0.02	-0.01	0.00		ppb
Beryllium	9-1	0.00	0.00	0.01	0.01	55.78	ppb
Bismuth	209-1				108		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	-0.06	0.15	0.07	155.57	ppb
Cadmium	106-1	-2.35	-1.90	-3.45	-2.57		ppb
Cadmium	111-1	-0.16	-0.12	-0.25	-0.17		ppb
Calcium	43-1	-12.65	-7.11	-9.77	-9.84		ppb
Calcium	44-1	26.21	27.06	29.83	27.70	6.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.04	-0.05	-0.05		ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	-0.01	0.00	-0.05	-0.02		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				112		%
Indium	115-2				111		%
Iron	56-2	-0.85	-0.89	-0.81	-0.85		ppb
Iron	57-2	-2.40	-2.71	-0.68	-1.93		ppb
Iron	54-2	26.26	-0.62	0.46	8.70	174.92	ppb
Krypton	83-1						cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:50:13	DataFile Name :	071CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.02	-0.02	-0.02	-0.02		ppb
Lead	207-1	-0.03	-0.04	-0.04	-0.04		ppb
Lead	208-1	-0.03	-0.03	-0.03	-0.03		ppb
Lithium	6-1				95		%
Magnesium	24-2	-5.60	-6.29	-5.73	-5.87		ppb
Manganese	55-2	-0.04	-0.03	0.01	-0.02		ppb
Molybdenum	94-1	0.03	0.03	0.04	0.03	25.18	ppb
Molybdenum	95-1	0.02	0.02	0.02	0.02	12.27	ppb
Molybdenum	96-1	0.06	0.03	0.06	0.05	40.63	ppb
Molybdenum	97-1	0.08	0.06	0.05	0.06	19.79	ppb
Molybdenum	98-1	0.02	0.04	0.02	0.03	48.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.03	0.05	0.03	64.75	ppb
Phosphorus	31-2	-70.79	-66.75	-53.15	-63.56		ppb
Potassium	39-2	24.54	16.96	23.94	21.81	19.33	ppb
Rhodium	103-1				111		%
Rhodium	103-2				111		%
Scandium	45-1				109		%
Scandium	45-2				106		%
Selenium	82-1	0.34	1.30	0.50	0.71	72.42	ppb
Selenium	77-2	1.51	2.59	1.75	1.95	29.15	ppb
Selenium	78-2	2.81	2.12	3.24	2.72	20.85	ppb
Silicon	28-1	-1.59	-0.70	-0.41	-0.90		ppb
Silver	107-1	0.04	0.03	0.03	0.04	17.50	ppb
Silver	109-1	0.04	0.03	0.03	0.03	24.10	ppb
Sodium	23-2	29.31	27.49	29.78	28.86	4.19	ppb
Strontium	86-1	-0.01	-0.02	0.03	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	422.96	ppb
Sulfur	34-1	-1418.93	-1221.80	-1169.40	-1270.04		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	-0.07	-0.08	-0.07	-0.07		ppb
Thallium	205-1	-0.06	-0.07	-0.07	-0.06		ppb
Tin	118-1	-0.04	-0.05	-0.06	-0.05		ppb
Titanium	47-1	-0.04	0.01	-0.03	-0.02		ppb

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:50:13	DataFile Name :	071CCBE.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	0.01	0.00	0.00	280.57	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	-0.28	-0.48	-0.61	-0.46		ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	92.55	ppb
Zirconium	91-1	-0.01	-0.02	0.00	-0.01		ppb

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:34:51	DataFile Name :	002CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1870	1977	1860	1902	3.40	cps
Antimony	121-1	53	43	37	44	18.87	cps
Arsenic	75-2	13	17	13	14	13.35	cps
Barium	135-1	137	147	153	146	5.76	cps
Barium	137-1	163	220	237	207	18.60	cps
Beryllium	9-1	3	3	7	5	43.02	cps
Bismuth	209-1	4685697	4609567	4686321	4660528	0.95	cps
Bismuth	209-2	4058298	4174512	4230726	4154512	2.12	cps
Bromine	81-1	9650	9446	9386	9494	1.45	cps
Bromine	81-2	250	187	267	234	18.00	cps
Cadmium	108-1	13	0	13	9	86.60	cps
Cadmium	106-1	2930	2737	2907	2858	3.69	cps
Cadmium	111-1	2055	1926	2056	2012	3.72	cps
Calcium	43-1	643	647	643	644	0.30	cps
Calcium	44-1	27936	28370	29272	28526	2.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2537	2770	2860	2723	6.13	cps
Cobalt	59-2	163	223	163	183	18.89	cps
Copper	63-2	1537	1467	1540	1515	2.73	cps
Dysprosium	156-1	3	10	17	10	66.70	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	43	50	73	56	28.35	cps
Erbium	164-2	23	30	27	27	12.51	cps
Gadolinium	160-1	60	57	20	46	48.72	cps
Gadolinium	160-2	417	473	353	414	14.49	cps
Holmium	165-1	7233970	7258752	7344554	7279092	0.80	cps
Holmium	165-2	5525391	5575146	5507415	5535984	0.63	cps
Indium	115-1	6277346	6157988	6122314	6185883	1.31	cps
Indium	115-2	2548402	2525083	2550891	2541458	0.56	cps
Iron	56-2	28497	27285	26734	27505	3.28	cps
Iron	57-2	1933	2020	1890	1948	3.40	cps
Iron	54-2	3110	3234	3067	3137	2.76	cps
Krypton	83-1	480	483	483	482	0.40	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:34:51	DataFile Name :	002CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	733	743	713	730	2.09	cps
Lead	207-1	607	637	660	634	4.21	cps
Lead	208-1	2923	2897	2833	2885	1.60	cps
Lithium	6-1	764906	742010	737455	748124	1.97	cps
Magnesium	24-2	3014	2960	3150	3041	3.22	cps
Manganese	55-2	1157	1198	1157	1170	2.03	cps
Molybdenum	94-1	300	307	280	296	4.70	cps
Molybdenum	95-1	310	283	297	297	4.49	cps
Molybdenum	96-1	300	310	333	314	5.44	cps
Molybdenum	97-1	180	200	213	198	8.48	cps
Molybdenum	98-1	413	473	407	431	8.52	cps
Neodymium	150-1	7	0	10	6	91.64	cps
Neodymium	150-2	13	10	10	11	17.30	cps
Nickel	60-2	593	677	593	621	7.75	cps
Phosphorus	31-2	947	970	937	951	1.80	cps
Potassium	39-2	78219	78444	78343	78336	0.14	cps
Rhodium	103-1	6291654	6089343	6145891	6175629	1.69	cps
Rhodium	103-2	4002330	3980855	3966977	3983387	0.45	cps
Scandium	45-1	3809159	3734871	3766403	3770144	0.99	cps
Scandium	45-2	423442	422871	414261	420191	1.22	cps
Selenium	82-1	208	150	199	186	16.79	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	447	467	437	450	3.39	cps
Silicon	28-1	545780	545401	553688	548290	0.85	cps
Silver	107-1	143	130	123	132	7.70	cps
Silver	109-1	107	67	90	88	22.89	cps
Sodium	23-2	39006	39267	38662	38978	0.78	cps
Strontium	86-1	827	823	860	837	2.42	cps
Strontium	88-1	717	773	800	763	5.58	cps
Sulfur	34-1	165515	165946	166196	165886	0.21	cps
Terbium	159-1	7722755	7549724	7181996	7484825	3.69	cps
Terbium	159-2	5431942	5548641	5563174	5514586	1.30	cps
Thallium	203-1	520	493	460	491	6.12	cps
Thallium	205-1	993	1060	1123	1059	6.14	cps
Tin	118-1	2140	2027	1943	2037	4.85	cps
Titanium	47-1	83	113	117	104	17.58	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:34:51	DataFile Name :	002CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	37	20	43	33	36.05	cps
Vanadium	51-2	7	27	37	23	65.46	cps
Yttrium	89-1	11582816	11424621	11305372	11437603	1.22	cps
Yttrium	89-2	3409172	3339090	3397418	3381893	1.11	cps
Zinc	66-2	4537	4617	4634	4596	1.12	cps
Zirconium	90-1	363	417	413	398	7.51	cps
Zirconium	91-1	90	117	63	90	29.63	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:48:25	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5371	5151	5144	5222	2.47	cps
Antimony	121-1	11681	11338	11658	11559	1.66	cps
Arsenic	75-2	453	417	420	430	4.72	cps
Barium	135-1	13967	13820	13944	13910	0.57	cps
Barium	137-1	24298	24134	23830	24087	0.98	cps
Beryllium	9-1	888	943	827	886	6.53	cps
Bismuth	209-1	4599785	4675228	4610566	4628526	0.88	cps
Bismuth	209-2	4193556	4110349	4053012	4118972	1.72	cps
Bromine	81-1	9767	9533	9416	9572	1.86	cps
Bromine	81-2	267	220	190	226	17.13	cps
Cadmium	108-1	133	127	97	119	16.43	cps
Cadmium	106-1	3060	2994	3187	3080	3.19	cps
Cadmium	111-1	3842	3707	3700	3750	2.14	cps
Calcium	43-1	9290	9366	9313	9323	0.42	cps
Calcium	44-1	168013	168614	169631	168753	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9163	9560	9216	9313	2.31	cps
Cobalt	59-2	5548	5554	5494	5532	0.59	cps
Copper	63-2	8969	8896	9073	8979	0.99	cps
Dysprosium	156-1	7	17	0	8	107.84	cps
Dysprosium	156-2	3	10	10	8	49.52	cps
Erbium	164-1	70	73	60	68	10.24	cps
Erbium	164-2	23	30	47	33	36.07	cps
Gadolinium	160-1	10	47	57	38	65.04	cps
Gadolinium	160-2	390	420	407	406	3.71	cps
Holmium	165-1	7392078	7381365	7249640	7341028	1.08	cps
Holmium	165-2	5644497	5313010	5389034	5448847	3.19	cps
Indium	115-1	6196739	6247201	6241731	6228557	0.44	cps
Indium	115-2	2543654	2481618	2568470	2531247	1.77	cps
Iron	56-2	182704	183445	184114	183421	0.38	cps
Iron	57-2	6362	5638	5885	5961	6.17	cps
Iron	54-2	11945	11868	11785	11866	0.67	cps
Krypton	83-1	457	480	397	444	9.67	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:48:25	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4914	5134	4864	4971	2.89	cps
Lead	207-1	4167	4224	4527	4306	4.50	cps
Lead	208-1	19759	19632	19532	19641	0.58	cps
Lithium	6-1	783982	770892	765757	773544	1.21	cps
Magnesium	24-2	159946	156270	157246	157821	1.21	cps
Manganese	55-2	3881	3795	3727	3801	2.04	cps
Molybdenum	94-1	13019	12772	12636	12809	1.52	cps
Molybdenum	95-1	16373	15785	15729	15962	2.23	cps
Molybdenum	96-1	17250	17414	17007	17224	1.19	cps
Molybdenum	97-1	9573	10154	9793	9840	2.98	cps
Molybdenum	98-1	25552	25553	25803	25636	0.56	cps
Neodymium	150-1	10	3	7	7	50.03	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	1893	1763	1807	1821	3.63	cps
Phosphorus	31-2	1230	1293	1240	1255	2.71	cps
Potassium	39-2	273725	272642	269214	271860	0.87	cps
Rhodium	103-1	6226001	6209316	6087834	6174384	1.22	cps
Rhodium	103-2	3967486	3944976	3976679	3963047	0.41	cps
Scandium	45-1	3802461	3761988	3805137	3789862	0.64	cps
Scandium	45-2	429017	415569	417248	420611	1.74	cps
Selenium	82-1	805	704	854	788	9.71	cps
Selenium	77-2	93	97	47	79	35.43	cps
Selenium	78-2	727	757	793	759	4.40	cps
Silicon	28-1	555583	558788	560086	558152	0.42	cps
Silver	107-1	8256	8016	8089	8120	1.52	cps
Silver	109-1	7989	7692	7946	7876	2.04	cps
Sodium	23-2	280596	278573	276043	278404	0.82	cps
Strontium	86-1	2697	2767	2844	2769	2.65	cps
Strontium	88-1	17634	17798	17487	17640	0.88	cps
Sulfur	34-1	168716	169363	168683	168921	0.23	cps
Terbium	159-1	7743090	7628231	7537182	7636168	1.35	cps
Terbium	159-2	5572056	5555588	5430834	5519493	1.40	cps
Thallium	203-1	5865	5555	5555	5658	3.16	cps
Thallium	205-1	13177	13307	13357	13280	0.70	cps
Tin	118-1	26965	26137	25539	26214	2.73	cps
Titanium	47-1	4147	4241	4127	4172	1.45	cps

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:48:25	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16954	16380	16711	16682	1.73	cps
Vanadium	51-2	14757	14254	14427	14479	1.77	cps
Yttrium	89-1	10876401	10793652	10573135	10747729	1.46	cps
Yttrium	89-2	3151405	3220004	3215080	3195496	1.20	cps
Zinc	66-2	7729	7392	7499	7540	2.28	cps
Zirconium	90-1	10607	10434	10717	10586	1.35	cps
Zirconium	91-1	2144	2207	2347	2232	4.66	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:51:42	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	176880	175516	174787	175728	0.60	cps
Antimony	121-1	273092	276360	271607	273686	0.89	cps
Arsenic	75-2	19690	19773	19603	19689	0.43	cps
Barium	135-1	320231	326345	318746	321774	1.25	cps
Barium	137-1	564981	562673	562983	563546	0.22	cps
Beryllium	9-1	40616	40862	40921	40800	0.40	cps
Bismuth	209-1	4740245	4754834	4793607	4762895	0.58	cps
Bismuth	209-2	4259280	4246272	4121671	4209074	1.80	cps
Bromine	81-1	9380	9670	9640	9563	1.67	cps
Bromine	81-2	153	230	197	193	19.88	cps
Cadmium	108-1	5504	5621	5371	5499	2.28	cps
Cadmium	106-1	10814	10651	10777	10747	0.80	cps
Cadmium	111-1	79404	81202	78905	79837	1.51	cps
Calcium	43-1	82922	82517	81380	82273	0.97	cps
Calcium	44-1	1269607	1280046	1301350	1283668	1.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	156922	160341	157909	158391	1.11	cps
Cobalt	59-2	238819	233763	238852	237145	1.23	cps
Copper	63-2	1858267	1822247	1841611	1840709	0.98	cps
Dysprosium	156-1	13	20	3	12	68.66	cps
Dysprosium	156-2	30	17	23	23	28.56	cps
Erbium	164-1	53	77	50	60	24.22	cps
Erbium	164-2	63	50	53	56	12.49	cps
Gadolinium	160-1	47	53	63	54	15.40	cps
Gadolinium	160-2	400	377	400	392	3.43	cps
Holmium	165-1	7591325	7503463	7440975	7511921	1.01	cps
Holmium	165-2	5664170	5611194	5501563	5592309	1.48	cps
Indium	115-1	6287432	6346071	6334147	6322550	0.49	cps
Indium	115-2	2574243	2599731	2600811	2591595	0.58	cps
Iron	56-2	7329805	7309349	7305746	7314967	0.18	cps
Iron	57-2	191877	189307	191050	190745	0.69	cps
Iron	54-2	435013	431333	431561	432636	0.48	cps
Krypton	83-1	430	510	410	450	11.76	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:51:42	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1016312	1012253	1003940	1010835	0.62	cps
Lead	207-1	872818	879244	869494	873852	0.57	cps
Lead	208-1	4083079	4171264	4077415	4110586	1.28	cps
Lithium	6-1	781934	791585	774511	782677	1.09	cps
Magnesium	24-2	1520685	1533045	1502533	1518755	1.01	cps
Manganese	55-2	1337539	1317820	1324997	1326785	0.75	cps
Molybdenum	94-1	1004661	1010683	997370	1004238	0.66	cps
Molybdenum	95-1	1454665	1473744	1442233	1456880	1.09	cps
Molybdenum	96-1	1539416	1590300	1548055	1559257	1.75	cps
Molybdenum	97-1	893057	901796	895646	896833	0.50	cps
Molybdenum	98-1	2284080	2299823	2244079	2275994	1.26	cps
Neodymium	150-1	43	10	23	26	65.65	cps
Neodymium	150-2	10	10	3	8	49.52	cps
Nickel	60-2	62011	62038	63146	62398	1.04	cps
Phosphorus	31-2	10574	10250	10257	10360	1.78	cps
Potassium	39-2	991907	986231	995152	991097	0.46	cps
Rhodium	103-1	6216386	6303585	6309621	6276531	0.83	cps
Rhodium	103-2	4091512	3985399	3984575	4020495	1.53	cps
Scandium	45-1	3869420	3894168	3847403	3870330	0.60	cps
Scandium	45-2	432354	431054	424606	429338	0.97	cps
Selenium	82-1	5842	5947	6111	5967	2.28	cps
Selenium	77-2	703	653	713	690	4.66	cps
Selenium	78-2	2860	2997	2720	2859	4.84	cps
Silicon	28-1	1448618	1486477	1469060	1468052	1.29	cps
Silver	107-1	376285	382132	378382	378933	0.78	cps
Silver	109-1	359427	369897	369472	366265	1.62	cps
Sodium	23-2	2364393	2362110	2364467	2363657	0.06	cps
Strontium	86-1	93431	95451	95159	94680	1.15	cps
Strontium	88-1	815713	825397	814850	818653	0.72	cps
Sulfur	34-1	192152	193367	192426	192648	0.33	cps
Terbium	159-1	7819494	7653261	7700748	7724501	1.11	cps
Terbium	159-2	5653454	5708095	5590946	5650832	1.04	cps
Thallium	203-1	248436	248911	247651	248333	0.26	cps
Thallium	205-1	588361	589673	584328	587454	0.47	cps
Tin	118-1	231780	232907	231705	232131	0.29	cps
Titanium	47-1	380641	382689	380306	381212	0.34	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:51:42	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	779409	783748	777667	780275	0.40	cps
Vanadium	51-2	131848	130836	130550	131078	0.52	cps
Yttrium	89-1	10820420	10822229	10635278	10759309	1.00	cps
Yttrium	89-2	3166598	3260009	3221128	3215912	1.46	cps
Zinc	66-2	350072	344851	349453	348126	0.82	cps
Zirconium	90-1	488572	497719	492451	492914	0.93	cps
Zirconium	91-1	110067	110113	109797	109992	0.16	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:54:53	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	441518	439710	447513	442914	0.92	cps
Antimony	121-1	697089	698513	694883	696828	0.26	cps
Arsenic	75-2	48870	49191	48322	48795	0.90	cps
Barium	135-1	822849	834122	820488	825820	0.88	cps
Barium	137-1	1431108	1440488	1442438	1438012	0.42	cps
Beryllium	9-1	101173	101473	101769	101472	0.29	cps
Bismuth	209-1	4847156	4756145	4752878	4785393	1.12	cps
Bismuth	209-2	4198425	4165043	4179382	4180950	0.40	cps
Bromine	81-1	9700	9380	9396	9492	1.90	cps
Bromine	81-2	160	200	227	196	17.16	cps
Cadmium	108-1	14167	14250	14407	14275	0.85	cps
Cadmium	106-1	22905	22204	22641	22583	1.57	cps
Cadmium	111-1	200076	200327	201641	200682	0.42	cps
Calcium	43-1	208623	209092	208695	208803	0.12	cps
Calcium	44-1	3233964	3267207	3217092	3239421	0.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	397410	397555	396924	397296	0.08	cps
Cobalt	59-2	602683	599265	598025	599991	0.40	cps
Copper	63-2	4567405	4741245	4584289	4630980	2.07	cps
Dysprosium	156-1	27	30	30	29	6.65	cps
Dysprosium	156-2	43	63	77	61	27.46	cps
Erbium	164-1	97	57	80	78	25.83	cps
Erbium	164-2	87	40	60	62	37.63	cps
Gadolinium	160-1	70	67	77	71	7.16	cps
Gadolinium	160-2	487	367	440	431	14.03	cps
Holmium	165-1	7413258	7356145	7562559	7443987	1.43	cps
Holmium	165-2	5670918	5631820	5523294	5608678	1.36	cps
Indium	115-1	6213886	6224247	6332101	6256744	1.05	cps
Indium	115-2	2590633	2581723	2539600	2570652	1.06	cps
Iron	56-2	18473682	18605033	18390173	18489629	0.59	cps
Iron	57-2	478845	484896	473477	479073	1.19	cps
Iron	54-2	1087448	1073444	1084990	1081960	0.69	cps
Krypton	83-1	480	473	547	500	8.11	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:54:53	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2671348	2715939	2699464	2695584	0.84	cps
Lead	207-1	2379117	2324387	2365507	2356337	1.21	cps
Lead	208-1	10869033	10856618	10776734	10834128	0.46	cps
Lithium	6-1	787587	783824	801197	790869	1.16	cps
Magnesium	24-2	3926321	3840032	3911513	3892622	1.19	cps
Manganese	55-2	3234458	3375927	3357670	3322685	2.32	cps
Molybdenum	94-1	2522107	2548797	2614452	2561785	1.86	cps
Molybdenum	95-1	3771962	3748983	3842586	3787844	1.29	cps
Molybdenum	96-1	4113438	4074443	4078185	4088689	0.53	cps
Molybdenum	97-1	2267367	2310875	2247082	2275108	1.43	cps
Molybdenum	98-1	5928072	5952378	5944917	5941789	0.21	cps
Neodymium	150-1	33	30	33	32	5.97	cps
Neodymium	150-2	10	20	10	13	43.30	cps
Nickel	60-2	156522	156525	158749	157265	0.82	cps
Phosphorus	31-2	25712	25061	24934	25235	1.65	cps
Potassium	39-2	2320418	2338301	2297027	2318582	0.89	cps
Rhodium	103-1	6227475	6220509	6207421	6218468	0.16	cps
Rhodium	103-2	4062597	3992873	3949537	4001669	1.43	cps
Scandium	45-1	3861810	3813798	3841083	3838897	0.63	cps
Scandium	45-2	429972	422381	427816	426723	0.92	cps
Selenium	82-1	14697	14899	14619	14738	0.98	cps
Selenium	77-2	1887	1903	1720	1837	5.52	cps
Selenium	78-2	6662	6742	6605	6669	1.03	cps
Silicon	28-1	2573423	2622751	2569970	2588714	1.14	cps
Silver	107-1	971896	968392	965230	968506	0.34	cps
Silver	109-1	934323	935808	925087	931739	0.62	cps
Sodium	23-2	5938004	5868321	6064389	5956905	1.67	cps
Strontium	86-1	241148	242641	239986	241258	0.55	cps
Strontium	88-1	2079546	2114036	2093637	2095740	0.83	cps
Sulfur	34-1	230120	228591	227296	228669	0.62	cps
Terbium	159-1	7859658	7545518	7701687	7702288	2.04	cps
Terbium	159-2	5656909	5524531	5580843	5587428	1.19	cps
Thallium	203-1	632325	631284	626109	629906	0.53	cps
Thallium	205-1	1490170	1509872	1487737	1495926	0.81	cps
Tin	118-1	595592	592892	585334	591272	0.90	cps
Titanium	47-1	974649	970690	963519	969619	0.58	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:54:53	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2108231	2094159	2100143	2100844	0.34	cps
Vanadium	51-2	331796	332578	329367	331247	0.51	cps
Yttrium	89-1	10913619	10822914	11031482	10922672	0.96	cps
Yttrium	89-2	3197507	3242060	3114171	3184579	2.04	cps
Zinc	66-2	877764	866280	860689	868244	1.00	cps
Zirconium	90-1	1253419	1252241	1259152	1254937	0.29	cps
Zirconium	91-1	281804	280574	277082	279820	0.88	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:57:53	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	875620	869979	860043	868547	0.91	cps
Antimony	121-1	1371258	1376642	1379811	1375903	0.31	cps
Arsenic	75-2	100142	98233	97877	98750	1.23	cps
Barium	135-1	1674279	1646073	1705621	1675324	1.78	cps
Barium	137-1	2886829	2925153	2951611	2921198	1.12	cps
Beryllium	9-1	199425	202831	199772	200676	0.93	cps
Bismuth	209-1	4747196	4733023	4779934	4753384	0.51	cps
Bismuth	209-2	4142629	4160756	4119881	4141088	0.49	cps
Bromine	81-1	9096	9196	9433	9242	1.87	cps
Bromine	81-2	237	190	277	234	18.50	cps
Cadmium	108-1	27690	28368	27650	27902	1.45	cps
Cadmium	106-1	41429	41787	41259	41492	0.65	cps
Cadmium	111-1	389238	393961	390806	391335	0.61	cps
Calcium	43-1	405566	407597	405585	406249	0.29	cps
Calcium	44-1	6267334	6380990	6344356	6330893	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	779326	769872	783038	777412	0.87	cps
Cobalt	59-2	1181518	1177032	1182420	1180323	0.24	cps
Copper	63-2	9270178	9159988	9118763	9182976	0.85	cps
Dysprosium	156-1	43	37	23	34	29.57	cps
Dysprosium	156-2	123	97	100	107	13.62	cps
Erbium	164-1	110	93	110	104	9.21	cps
Erbium	164-2	73	63	37	58	32.80	cps
Gadolinium	160-1	63	73	47	61	22.04	cps
Gadolinium	160-2	377	413	353	381	7.94	cps
Holmium	165-1	7533259	7426945	7482876	7481026	0.71	cps
Holmium	165-2	5671204	5558961	5547714	5592627	1.22	cps
Indium	115-1	6365156	6261082	6283722	6303320	0.87	cps
Indium	115-2	2586667	2554689	2576262	2572540	0.63	cps
Iron	56-2	36587105	36823374	36237294	36549258	0.81	cps
Iron	57-2	953987	954654	943879	950840	0.63	cps
Iron	54-2	2068770	2035454	2036853	2047026	0.92	cps
Krypton	83-1	480	497	450	476	4.97	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:57:53	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5200922	5281700	5377476	5286699	1.67	cps
Lead	207-1	4645904	4659252	4669872	4658342	0.26	cps
Lead	208-1	21140861	21426560	21594265	21387228	1.07	cps
Lithium	6-1	795201	782103	779576	785627	1.07	cps
Magnesium	24-2	7710046	7756854	7446208	7637703	2.19	cps
Manganese	55-2	6646393	6639912	6536679	6607661	0.93	cps
Molybdenum	94-1	4899746	5040215	5061599	5000520	1.76	cps
Molybdenum	95-1	7382875	7438224	7427145	7416081	0.39	cps
Molybdenum	96-1	8050086	8077297	8025632	8051005	0.32	cps
Molybdenum	97-1	4480246	4544072	4524066	4516128	0.72	cps
Molybdenum	98-1	11806383	11812677	11660169	11759743	0.73	cps
Neodymium	150-1	60	70	43	58	23.32	cps
Neodymium	150-2	23	23	7	18	54.11	cps
Nickel	60-2	308108	309231	303060	306800	1.07	cps
Phosphorus	31-2	49748	49333	47410	48830	2.55	cps
Potassium	39-2	4544318	4494906	4452566	4497263	1.02	cps
Rhodium	103-1	6119398	6232475	6275180	6209018	1.30	cps
Rhodium	103-2	4026753	3983066	3943432	3984417	1.05	cps
Scandium	45-1	3771167	3770537	3780823	3774176	0.15	cps
Scandium	45-2	426983	421918	420419	423106	0.81	cps
Selenium	82-1	28427	28877	28602	28635	0.79	cps
Selenium	77-2	3657	3714	3334	3568	5.75	cps
Selenium	78-2	12409	12792	12602	12601	1.52	cps
Silicon	28-1	4290238	4355284	4319808	4321777	0.75	cps
Silver	107-1	1895013	1950508	1908010	1917844	1.51	cps
Silver	109-1	1842956	1832527	1855674	1843719	0.63	cps
Sodium	23-2	11897241	11652247	11463554	11671014	1.86	cps
Strontium	86-1	470678	479808	475881	475456	0.96	cps
Strontium	88-1	4102410	4231863	4071913	4135395	2.05	cps
Sulfur	34-1	282017	281400	281590	281669	0.11	cps
Terbium	159-1	7842195	7597118	7828450	7755921	1.78	cps
Terbium	159-2	5612464	5687441	5449592	5583166	2.18	cps
Thallium	203-1	1235874	1242517	1242779	1240390	0.32	cps
Thallium	205-1	3148028	3023995	3162403	3111475	2.45	cps
Tin	118-1	1152251	1171477	1157399	1160376	0.86	cps
Titanium	47-1	1888524	1943779	1945011	1925771	1.68	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 12:57:53	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4146462	4157153	4243151	4182256	1.27	cps
Vanadium	51-2	664404	659085	657659	660383	0.54	cps
Yttrium	89-1	10892197	10661035	10699328	10750854	1.15	cps
Yttrium	89-2	3248956	3171147	3167250	3195784	1.44	cps
Zinc	66-2	1759668	1695717	1700804	1718730	2.07	cps
Zirconium	90-1	2506401	2487855	2513247	2502501	0.52	cps
Zirconium	91-1	549497	556760	558139	554799	0.84	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:00:51	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1739591	1732278	1751942	1741270	0.57	cps
Antimony	121-1	2808215	2868783	2799180	2825393	1.34	cps
Arsenic	75-2	194051	194209	193831	194030	0.10	cps
Barium	135-1	3396133	3468175	3405751	3423353	1.14	cps
Barium	137-1	5772129	5854378	5774358	5800288	0.81	cps
Beryllium	9-1	397714	400348	393641	397234	0.85	cps
Bismuth	209-1	5046556	4577329	4848967	4824284	4.88	cps
Bismuth	209-2	4325566	4298531	4194783	4272960	1.62	cps
Bromine	81-1	8926	9356	9360	9214	2.71	cps
Bromine	81-2	163	200	190	184	10.27	cps
Cadmium	108-1	55703	57005	54827	55845	1.96	cps
Cadmium	106-1	78652	80643	79540	79611	1.25	cps
Cadmium	111-1	774106	785430	781381	780306	0.74	cps
Calcium	43-1	806307	821176	812279	813254	0.92	cps
Calcium	44-1	12428494	12713054	12501519	12547689	1.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1531112	1526588	1556788	1538163	1.06	cps
Cobalt	59-2	2367261	2342758	2374337	2361452	0.70	cps
Copper	63-2	18447590	18233100	18003540	18228077	1.22	cps
Dysprosium	156-1	47	53	80	60	29.40	cps
Dysprosium	156-2	203	203	187	198	4.87	cps
Erbium	164-1	167	90	130	129	29.75	cps
Erbium	164-2	100	80	93	91	11.18	cps
Gadolinium	160-1	120	73	110	101	24.30	cps
Gadolinium	160-2	403	427	343	391	10.99	cps
Holmium	165-1	7749853	7182729	7539073	7490552	3.83	cps
Holmium	165-2	5895976	5785811	5640151	5773979	2.22	cps
Indium	115-1	6337967	6028526	6239901	6202131	2.55	cps
Indium	115-2	2655551	2643163	2591673	2630129	1.29	cps
Iron	56-2	72396334	72117661	72749549	72421181	0.44	cps
Iron	57-2	1823075	1782937	1838401	1814804	1.58	cps
Iron	54-2	4047860	4022180	4073402	4047814	0.63	cps
Krypton	83-1	483	510	443	479	7.01	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:00:51	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10938337	10804083	10655332	10799251	1.31	cps
Lead	207-1	9374122	9554934	9401197	9443417	1.03	cps
Lead	208-1	43285638	43580712	43154708	43340353	0.50	cps
Lithium	6-1	793704	759806	769638	774382	2.25	cps
Magnesium	24-2	15051656	14922306	15432728	15135563	1.75	cps
Manganese	55-2	13261174	13174276	13103590	13179680	0.60	cps
Molybdenum	94-1	10002759	10064644	10067158	10044854	0.36	cps
Molybdenum	95-1	14494628	14943205	14985328	14807720	1.84	cps
Molybdenum	96-1	15546940	16323474	16057714	15976043	2.47	cps
Molybdenum	97-1	8955208	9147359	9105772	9069446	1.11	cps
Molybdenum	98-1	23590793	23825454	23331104	23582450	1.05	cps
Neodymium	150-1	103	97	140	113	20.59	cps
Neodymium	150-2	50	20	20	30	57.74	cps
Nickel	60-2	618453	603361	600097	607304	1.61	cps
Phosphorus	31-2	96355	93766	95533	95218	1.39	cps
Potassium	39-2	8897438	8799126	8725473	8807346	0.98	cps
Rhodium	103-1	6370677	5917718	6246178	6178191	3.79	cps
Rhodium	103-2	4090757	4133041	3994365	4072721	1.75	cps
Scandium	45-1	3852210	3683272	3776899	3770794	2.24	cps
Scandium	45-2	439622	438821	430635	436360	1.14	cps
Selenium	82-1	56858	57475	57160	57164	0.54	cps
Selenium	77-2	7352	6882	7008	7081	3.44	cps
Selenium	78-2	24337	24444	24230	24337	0.44	cps
Silicon	28-1	7596054	7886784	7966270	7816369	2.49	cps
Silver	107-1	3805942	3844210	3882368	3844173	0.99	cps
Silver	109-1	3695076	3686834	3714923	3698944	0.39	cps
Sodium	23-2	23411419	22977620	23178342	23189127	0.94	cps
Strontium	86-1	947562	959925	945067	950851	0.84	cps
Strontium	88-1	8238169	8394914	8329828	8320970	0.95	cps
Sulfur	34-1	388692	395037	394950	392893	0.93	cps
Terbium	159-1	7849593	7503270	7596592	7649818	2.34	cps
Terbium	159-2	5761197	5715681	5631447	5702775	1.15	cps
Thallium	203-1	2657422	2662470	2609184	2643026	1.11	cps
Thallium	205-1	6415352	6278223	6365249	6352941	1.09	cps
Tin	118-1	2330124	2401000	2352363	2361162	1.54	cps
Titanium	47-1	3815740	3882131	3786950	3828274	1.28	cps

Reviewed By:jaswal
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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:00:51	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8412147	8556245	8578942	8515778	1.06	cps
Vanadium	51-2	1310170	1318498	1333934	1320867	0.91	cps
Yttrium	89-1	11256286	10420972	10707610	10794956	3.93	cps
Yttrium	89-2	3441776	3278169	3220069	3313338	3.47	cps
Zinc	66-2	3345335	3400405	3405411	3383717	0.99	cps
Zirconium	90-1	5028809	5092386	5044285	5055160	0.66	cps
Zirconium	91-1	1094733	1122549	1120223	1112502	1.39	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:03:39	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3519300	3500602	3530970	3516957	0.44	cps
Antimony	121-1	5875188	5825586	5827571	5842782	0.48	cps
Arsenic	75-2	397855	390051	391857	393254	1.04	cps
Barium	135-1	6982209	6944622	6967727	6964853	0.27	cps
Barium	137-1	11895014	11923481	11945848	11921448	0.21	cps
Beryllium	9-1	783053	780359	771410	778274	0.78	cps
Bismuth	209-1	4849737	4786593	4902558	4846296	1.20	cps
Bismuth	209-2	4246751	4147374	4246980	4213702	1.36	cps
Bromine	81-1	9086	9126	9430	9214	2.04	cps
Bromine	81-2	130	100	130	120	14.43	cps
Cadmium	108-1	111986	114301	111079	112455	1.48	cps
Cadmium	106-1	157953	156785	156448	157062	0.50	cps
Cadmium	111-1	1565657	1562902	1564894	1564484	0.09	cps
Calcium	43-1	1576384	1594630	1575904	1582306	0.67	cps
Calcium	44-1	25618786	25816085	25629580	25688150	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3065085	3178969	3111402	3118485	1.84	cps
Cobalt	59-2	4754336	4711978	4765197	4743837	0.59	cps
Copper	63-2	36752200	36593745	35858279	36401408	1.31	cps
Dysprosium	156-1	163	107	173	148	24.33	cps
Dysprosium	156-2	390	417	390	399	3.86	cps
Erbium	164-1	200	193	203	199	2.56	cps
Erbium	164-2	183	183	173	180	3.21	cps
Gadolinium	160-1	107	170	123	133	24.62	cps
Gadolinium	160-2	390	390	560	447	21.97	cps
Holmium	165-1	7820443	7727797	7691368	7746536	0.86	cps
Holmium	165-2	5857221	5655554	5786879	5766551	1.78	cps
Indium	115-1	6421766	6416259	6317867	6385297	0.92	cps
Indium	115-2	2551571	2501178	2498503	2517084	1.19	cps
Iron	56-2	146897894	148834341	143291821	146341352	1.92	cps
Iron	57-2	3623976	3630754	3635553	3630094	0.16	cps
Iron	54-2	8162368	8341379	8261176	8254974	1.09	cps
Krypton	83-1	557	493	410	487	15.12	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:03:39	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22196086	22114327	22031315	22113909	0.37	cps
Lead	207-1	19053662	19383992	19211575	19216410	0.86	cps
Lead	208-1	88108311	88366843	88059047	88178067	0.19	cps
Lithium	6-1	799164	779799	778640	785868	1.47	cps
Magnesium	24-2	30717146	30285662	30419398	30474069	0.72	cps
Manganese	55-2	26334221	26705112	26721843	26587058	0.82	cps
Molybdenum	94-1	20894246	20806848	20480548	20727214	1.05	cps
Molybdenum	95-1	30719483	30823950	29647986	30397140	2.14	cps
Molybdenum	96-1	33047397	33305968	32204842	32852736	1.75	cps
Molybdenum	97-1	18765120	18488249	18262518	18505296	1.36	cps
Molybdenum	98-1	48245028	48542191	47803813	48197010	0.77	cps
Neodymium	150-1	227	223	207	219	4.90	cps
Neodymium	150-2	73	87	77	79	8.80	cps
Nickel	60-2	1214436	1215942	1204214	1211531	0.53	cps
Phosphorus	31-2	193385	191684	191858	192309	0.49	cps
Potassium	39-2	17995023	17504691	17740996	17746903	1.38	cps
Rhodium	103-1	6358343	6212632	6280127	6283701	1.16	cps
Rhodium	103-2	4034964	4014647	3937765	3995792	1.28	cps
Scandium	45-1	3892192	3829171	3804759	3842041	1.17	cps
Scandium	45-2	429479	427116	425444	427346	0.47	cps
Selenium	82-1	114107	114928	114364	114466	0.37	cps
Selenium	77-2	14180	14247	14591	14339	1.54	cps
Selenium	78-2	47717	47911	47400	47676	0.54	cps
Silicon	28-1	14193727	14580408	14259201	14344445	1.44	cps
Silver	107-1	7657503	7688587	7644496	7663528	0.30	cps
Silver	109-1	7425153	7439253	7374481	7412962	0.46	cps
Sodium	23-2	47346789	46517839	46100524	46655051	1.36	cps
Strontium	86-1	1947208	1952560	1937191	1945653	0.40	cps
Strontium	88-1	17181089	17277092	16699663	17052615	1.81	cps
Sulfur	34-1	629206	618925	619729	622620	0.92	cps
Terbium	159-1	8162212	8126892	7826047	8038384	2.30	cps
Terbium	159-2	5871850	5727417	5712264	5770510	1.53	cps
Thallium	203-1	5451357	5386723	5380851	5406310	0.72	cps
Thallium	205-1	13045786	12882547	12565288	12831207	1.90	cps
Tin	118-1	4779500	4796628	4811802	4795977	0.34	cps
Titanium	47-1	7803423	7780144	7946746	7843438	1.15	cps

Reviewed By:jaswal
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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:03:39	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17712627	17542337	17226160	17493708	1.41	cps
Vanadium	51-2	2669858	2692422	2670752	2677677	0.48	cps
Yttrium	89-1	11329482	11116432	11169136	11205017	0.99	cps
Yttrium	89-2	3309599	3245011	3185639	3246750	1.91	cps
Zinc	66-2	6720863	6633381	6524445	6626229	1.49	cps
Zirconium	90-1	10419536	10576807	10329298	10441880	1.20	cps
Zirconium	91-1	2296064	2302380	2295035	2297826	0.17	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:06:29	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18292051	18187302	17863275	18114209	1.23	cps
Antimony	121-1	4768	4854	4697	4773	1.64	cps
Arsenic	75-2	460	510	473	481	5.38	cps
Barium	135-1	4297	4414	4204	4305	2.44	cps
Barium	137-1	7772	7669	7539	7660	1.53	cps
Beryllium	9-1	151	124	151	142	10.90	cps
Bismuth	209-1	4656477	4480699	4484882	4540686	2.21	cps
Bismuth	209-2	4018131	3965331	3989889	3991117	0.66	cps
Bromine	81-1	9243	9523	9773	9513	2.79	cps
Bromine	81-2	207	227	220	218	4.68	cps
Cadmium	108-1	87	103	110	100	12.02	cps
Cadmium	106-1	3147	3064	3184	3131	1.96	cps
Cadmium	111-1	3032	2966	2992	2997	1.12	cps
Calcium	43-1	7801748	7695967	7654984	7717566	0.98	cps
Calcium	44-1	127010825	124854821	124093511	125319719	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17320	17277	17410	17336	0.39	cps
Cobalt	59-2	9366	9173	9573	9371	2.14	cps
Copper	63-2	8052	7992	7986	8010	0.46	cps
Dysprosium	156-1	293	287	273	284	3.58	cps
Dysprosium	156-2	267	260	273	267	2.50	cps
Erbium	164-1	607	623	700	643	7.74	cps
Erbium	164-2	430	533	463	476	11.09	cps
Gadolinium	160-1	373	327	413	371	11.69	cps
Gadolinium	160-2	670	567	543	593	11.36	cps
Holmium	165-1	7865508	7770651	7669445	7768535	1.26	cps
Holmium	165-2	5879430	5908882	5824509	5870940	0.73	cps
Indium	115-1	6334966	6254594	6286860	6292140	0.64	cps
Indium	115-2	2626502	2616873	2574939	2606105	1.05	cps
Iron	56-2	721827909	710043883	733477669	721783154	1.62	cps
Iron	57-2	18027999	18053009	18125723	18068911	0.28	cps
Iron	54-2	39454824	39654236	39844991	39651350	0.49	cps
Krypton	83-1	420	533	553	502	14.32	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:06:29	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6872	6825	6805	6834	0.50	cps
Lead	207-1	5961	5965	5915	5947	0.47	cps
Lead	208-1	27251	27451	27201	27301	0.49	cps
Lithium	6-1	827057	792682	776410	798716	3.24	cps
Magnesium	24-2	157415881	151322864	154339181	154359309	1.97	cps
Manganese	55-2	14805	14654	14588	14682	0.75	cps
Molybdenum	94-1	7675	7102	7522	7433	4.00	cps
Molybdenum	95-1	7082	6732	6742	6852	2.91	cps
Molybdenum	96-1	12299	11908	11928	12045	1.83	cps
Molybdenum	97-1	4524	4267	4147	4313	4.46	cps
Molybdenum	98-1	10994	11031	10784	10936	1.22	cps
Neodymium	150-1	127	140	137	134	5.16	cps
Neodymium	150-2	70	60	103	78	29.17	cps
Nickel	60-2	5224	5314	5584	5374	3.49	cps
Phosphorus	31-2	910	973	867	917	5.85	cps
Potassium	39-2	89286229	89088122	90219699	89531350	0.67	cps
Rhodium	103-1	6056779	6130679	5904612	6030690	1.91	cps
Rhodium	103-2	3896060	3915904	3884375	3898780	0.41	cps
Scandium	45-1	3940232	3916815	3853163	3903403	1.15	cps
Scandium	45-2	443916	450871	443540	446109	0.93	cps
Selenium	82-1	389	279	160	276	41.39	cps
Selenium	77-2	23	37	13	24	47.91	cps
Selenium	78-2	530	617	607	584	8.11	cps
Silicon	28-1	630561	632407	635339	632769	0.38	cps
Silver	107-1	3300	1730	1703	2245	40.74	cps
Silver	109-1	2867	1870	1577	2105	32.13	cps
Sodium	23-2	230385177	232471597	229283750	230713508	0.70	cps
Strontium	86-1	25145	25739	24971	25285	1.59	cps
Strontium	88-1	212739	212875	212566	212727	0.07	cps
Sulfur	34-1	163036	160539	159731	161102	1.07	cps
Terbium	159-1	8157574	7967006	7801449	7975343	2.23	cps
Terbium	159-2	5915168	5802769	5849467	5855802	0.96	cps
Thallium	203-1	7409	7272	7032	7238	2.64	cps
Thallium	205-1	17338	17098	17041	17159	0.92	cps
Tin	118-1	2680	2357	2354	2464	7.62	cps
Titanium	47-1	1123	1140	1110	1124	1.34	cps

Reviewed By:jaswal
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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:06:29	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1607	1480	1493	1527	4.56	cps
Vanadium	51-2	1297	1413	1250	1320	6.37	cps
Yttrium	89-1	11370889	11203061	10983847	11185932	1.74	cps
Yttrium	89-2	3355131	3408080	3336644	3366618	1.10	cps
Zinc	66-2	8412	8139	8122	8225	1.98	cps
Zirconium	90-1	9376	9506	9653	9512	1.46	cps
Zirconium	91-1	2154	2077	2057	2096	2.44	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:22:05	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	267263	267297	268528	267696	0.27	cps
Antimony	121-1	2248468	2239020	2238000	2241829	0.26	cps
Arsenic	75-2	153423	156040	155451	154971	0.89	cps
Barium	135-1	2105717	2098093	2142404	2115405	1.12	cps
Barium	137-1	3705360	3606694	3713356	3675136	1.62	cps
Beryllium	9-1	29128	28840	29144	29038	0.59	cps
Bismuth	209-1	4683720	4758476	4650212	4697469	1.18	cps
Bismuth	209-2	4238052	4299280	4266148	4267827	0.72	cps
Bromine	81-1	9923	10727	10264	10305	3.92	cps
Bromine	81-2	223	243	183	217	14.10	cps
Cadmium	108-1	20074	19887	19663	19875	1.03	cps
Cadmium	106-1	30385	31057	30004	30482	1.75	cps
Cadmium	111-1	305557	310466	307492	307838	0.80	cps
Calcium	43-1	65461	65950	64681	65364	0.98	cps
Calcium	44-1	1073449	1075152	1070270	1072957	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	500544	499357	501664	500522	0.23	cps
Cobalt	59-2	1898907	1933251	1868019	1900059	1.72	cps
Copper	63-2	677331	682610	677539	679160	0.44	cps
Dysprosium	156-1	37	17	10	21	65.74	cps
Dysprosium	156-2	110	160	123	131	19.75	cps
Erbium	164-1	47	47	70	54	24.74	cps
Erbium	164-2	27	43	50	40	30.04	cps
Gadolinium	160-1	60	27	57	48	38.42	cps
Gadolinium	160-2	403	467	413	428	7.96	cps
Holmium	165-1	7512195	7462745	7285745	7420228	1.60	cps
Holmium	165-2	5781674	5714515	5675189	5723793	0.94	cps
Indium	115-1	6516964	6500667	6422868	6480167	0.78	cps
Indium	115-2	2624440	2641242	2643850	2636511	0.40	cps
Iron	56-2	2339140	2327931	2340781	2335951	0.30	cps
Iron	57-2	62473	62557	62342	62457	0.17	cps
Iron	54-2	152067	151819	150279	151388	0.64	cps
Krypton	83-1	433	503	543	493	11.29	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:22:05	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1556930	1551102	1555930	1554654	0.20	cps
Lead	207-1	1328565	1320712	1317311	1322196	0.44	cps
Lead	208-1	6325662	6329842	6237185	6297563	0.83	cps
Lithium	6-1	746698	746728	738972	744133	0.60	cps
Magnesium	24-2	1078378	1088392	1124470	1097080	2.21	cps
Manganese	55-2	983460	987346	978820	983209	0.43	cps
Molybdenum	94-1	850	853	877	860	1.69	cps
Molybdenum	95-1	1103	940	1123	1056	9.53	cps
Molybdenum	96-1	1397	1193	1360	1317	8.23	cps
Molybdenum	97-1	717	710	693	707	1.70	cps
Molybdenum	98-1	1790	1747	1660	1732	3.82	cps
Neodymium	150-1	57	60	83	67	21.79	cps
Neodymium	150-2	13	3	17	11	62.48	cps
Nickel	60-2	487984	496956	492087	492342	0.91	cps
Phosphorus	31-2	903	840	953	899	6.32	cps
Potassium	39-2	1468123	1476393	1495533	1480017	0.95	cps
Rhodium	103-1	6493685	6665784	6365080	6508183	2.32	cps
Rhodium	103-2	4128654	4139479	4165288	4144474	0.45	cps
Scandium	45-1	3987487	3891001	3890538	3923009	1.42	cps
Scandium	45-2	432061	440033	437306	436467	0.93	cps
Selenium	82-1	46215	46405	46219	46280	0.23	cps
Selenium	77-2	5851	5818	5791	5820	0.52	cps
Selenium	78-2	19323	19753	19630	19569	1.13	cps
Silicon	28-1	597723	600648	593610	597327	0.59	cps
Silver	107-1	1504637	1509393	1501481	1505170	0.26	cps
Silver	109-1	1435096	1453763	1439322	1442727	0.68	cps
Sodium	23-2	1840865	1893661	1867141	1867222	1.41	cps
Strontium	86-1	1027	1043	957	1009	4.56	cps
Strontium	88-1	2047	1997	2094	2046	2.36	cps
Sulfur	34-1	173350	172717	172326	172798	0.30	cps
Terbium	159-1	7695378	7660903	7646126	7667469	0.33	cps
Terbium	159-2	5643165	5778171	5626978	5682771	1.46	cps
Thallium	203-1	1939575	1959040	1946393	1948336	0.51	cps
Thallium	205-1	4600335	4550734	4667642	4606237	1.27	cps
Tin	118-1	3737	3997	3627	3787	5.02	cps
Titanium	47-1	270	243	273	262	6.27	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:22:05	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67	67	57	63	9.12	cps
Vanadium	51-2	1045844	1056648	1047736	1050076	0.55	cps
Yttrium	89-1	11388447	11321119	11072416	11260661	1.48	cps
Yttrium	89-2	3270931	3353077	3356582	3326863	1.46	cps
Zinc	66-2	252009	256122	249801	252644	1.27	cps
Zirconium	90-1	1452	563	577	864	58.96	cps
Zirconium	91-1	257	293	250	267	8.75	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:40:20	DataFile Name :	016LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5188	5584	5251	5341	3.99	cps
Antimony	121-1	11762	11718	11912	11797	0.86	cps
Arsenic	75-2	367	483	397	416	14.58	cps
Barium	135-1	13233	13410	13386	13343	0.72	cps
Barium	137-1	22959	23406	22421	22929	2.15	cps
Beryllium	9-1	826	832	789	816	2.81	cps
Bismuth	209-1	4714834	4652751	4639994	4669193	0.86	cps
Bismuth	209-2	4142899	4357949	4282277	4261042	2.56	cps
Bromine	81-1	10140	9953	10410	10168	2.26	cps
Bromine	81-2	237	250	240	242	2.86	cps
Cadmium	108-1	90	107	97	98	8.58	cps
Cadmium	106-1	3167	3014	2904	3028	4.37	cps
Cadmium	111-1	3554	3482	3402	3479	2.19	cps
Calcium	43-1	9056	9073	8786	8972	1.79	cps
Calcium	44-1	171701	169564	167794	169686	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8579	9196	9113	8963	3.74	cps
Cobalt	59-2	5111	5204	5218	5178	1.12	cps
Copper	63-2	8833	8549	8683	8688	1.63	cps
Dysprosium	156-1	3	7	0	3	100.05	cps
Dysprosium	156-2	3	23	7	11	96.43	cps
Erbium	164-1	57	33	20	37	50.62	cps
Erbium	164-2	43	53	47	48	10.66	cps
Gadolinium	160-1	57	50	40	49	17.16	cps
Gadolinium	160-2	363	390	357	370	4.77	cps
Holmium	165-1	7633283	7366324	7251680	7417096	2.64	cps
Holmium	165-2	5520321	5661025	5632201	5604516	1.33	cps
Indium	115-1	6578003	6404758	6408677	6463813	1.53	cps
Indium	115-2	2524764	2597425	2649823	2590671	2.42	cps
Iron	56-2	178886	180523	179856	179755	0.46	cps
Iron	57-2	5995	5938	5861	5931	1.13	cps
Iron	54-2	12228	11525	11895	11883	2.96	cps
Krypton	83-1	560	473	450	494	11.72	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:40:20	DataFile Name :	016LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4121	4377	4301	4266	3.09	cps
Lead	207-1	3637	3594	3964	3732	5.42	cps
Lead	208-1	16904	16871	17374	17050	1.65	cps
Lithium	6-1	750352	734937	739509	741600	1.07	cps
Magnesium	24-2	153271	151261	151380	151971	0.74	cps
Manganese	55-2	3903	4048	3968	3973	1.83	cps
Molybdenum	94-1	12889	12399	12919	12736	2.29	cps
Molybdenum	95-1	15538	15278	15371	15396	0.86	cps
Molybdenum	96-1	17280	16997	16680	16986	1.77	cps
Molybdenum	97-1	9680	9376	9336	9464	1.99	cps
Molybdenum	98-1	24865	24594	24304	24587	1.14	cps
Neodymium	150-1	17	0	7	8	107.84	cps
Neodymium	150-2	10	0	7	6	91.64	cps
Nickel	60-2	1903	1810	1797	1837	3.16	cps
Phosphorus	31-2	3257	3234	3380	3290	2.40	cps
Potassium	39-2	272025	271321	268268	270538	0.74	cps
Rhodium	103-1	6476473	6517213	6510300	6501329	0.34	cps
Rhodium	103-2	4053386	4152112	4046070	4083856	1.45	cps
Scandium	45-1	4004136	3912316	3860044	3925499	1.86	cps
Scandium	45-2	415354	440029	437172	430852	3.13	cps
Selenium	82-1	698	784	774	752	6.21	cps
Selenium	77-2	73	97	97	89	15.16	cps
Selenium	78-2	743	747	790	760	3.43	cps
Silicon	28-1	586081	583971	587992	586015	0.34	cps
Silver	107-1	8519	8302	8403	8408	1.29	cps
Silver	109-1	8092	8146	7999	8079	0.92	cps
Sodium	23-2	274277	273920	269549	272582	0.97	cps
Strontium	86-1	2790	2817	2764	2790	0.96	cps
Strontium	88-1	17510	17120	16606	17079	2.66	cps
Sulfur	34-1	164346	165181	164377	164635	0.29	cps
Terbium	159-1	7657580	7551039	7583204	7597274	0.72	cps
Terbium	159-2	5539102	5658806	5791634	5663181	2.23	cps
Thallium	203-1	6018	5728	6005	5917	2.77	cps
Thallium	205-1	13737	13136	13887	13587	2.92	cps
Tin	118-1	25503	25035	25646	25395	1.26	cps
Titanium	47-1	4134	4161	4167	4154	0.42	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:40:20	DataFile Name :	016LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15216	15095	15362	15224	0.88	cps
Vanadium	51-2	13516	13696	13329	13514	1.36	cps
Yttrium	89-1	11345426	11256710	11017609	11206582	1.51	cps
Yttrium	89-2	3195176	3407216	3299394	3300595	3.21	cps
Zinc	66-2	7725	7349	7622	7565	2.57	cps
Zirconium	90-1	10917	11048	10404	10790	3.16	cps
Zirconium	91-1	2630	2424	2377	2477	5.44	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:43:39	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1673	1540	1643	1619	4.32	cps
Antimony	121-1	157	143	183	161	12.64	cps
Arsenic	75-2	7	3	10	7	50.03	cps
Barium	135-1	127	133	137	132	3.85	cps
Barium	137-1	233	223	220	226	3.08	cps
Beryllium	9-1	3	3	3	3	0.52	cps
Bismuth	209-1	4821349	4826469	4671524	4773114	1.84	cps
Bismuth	209-2	4336659	4264941	4253869	4285156	1.05	cps
Bromine	81-1	10350	10080	10144	10191	1.39	cps
Bromine	81-2	247	243	267	252	5.00	cps
Cadmium	108-1	13	17	3	11	62.48	cps
Cadmium	106-1	2894	2857	2810	2854	1.46	cps
Cadmium	111-1	2043	2012	1992	2015	1.28	cps
Calcium	43-1	547	603	573	574	4.94	cps
Calcium	44-1	34309	34148	34075	34177	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3241	2847	2824	2971	7.90	cps
Cobalt	59-2	130	143	107	127	14.65	cps
Copper	63-2	1600	1463	1457	1507	5.37	cps
Dysprosium	156-1	7	7	7	7	0.00	cps
Dysprosium	156-2	0	10	0	3	173.21	cps
Erbium	164-1	40	70	47	52	30.16	cps
Erbium	164-2	27	37	27	30	19.24	cps
Gadolinium	160-1	50	37	53	47	18.89	cps
Gadolinium	160-2	453	417	417	429	4.94	cps
Holmium	165-1	7409349	7427536	7531696	7456194	0.89	cps
Holmium	165-2	5917346	5560086	5614301	5697244	3.38	cps
Indium	115-1	6515037	6555763	6388797	6486532	1.34	cps
Indium	115-2	2703414	2691847	2702263	2699175	0.24	cps
Iron	56-2	27686	24734	24897	25772	6.44	cps
Iron	57-2	1930	2014	2000	1981	2.26	cps
Iron	54-2	3047	3080	3040	3056	0.70	cps
Krypton	83-1	493	483	480	486	1.43	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:43:39	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	820	857	820	832	2.54	cps
Lead	207-1	667	743	650	687	7.25	cps
Lead	208-1	3180	3200	3197	3192	0.34	cps
Lithium	6-1	760301	747536	738002	748613	1.49	cps
Magnesium	24-2	1207	1247	1200	1218	2.07	cps
Manganese	55-2	1046	1103	1152	1100	4.83	cps
Molybdenum	94-1	300	297	260	286	7.77	cps
Molybdenum	95-1	270	303	253	276	9.24	cps
Molybdenum	96-1	323	367	330	340	6.86	cps
Molybdenum	97-1	253	230	240	241	4.86	cps
Molybdenum	98-1	410	377	410	399	4.82	cps
Neodymium	150-1	17	17	3	12	63.01	cps
Neodymium	150-2	7	7	3	6	34.70	cps
Nickel	60-2	563	570	563	566	0.68	cps
Phosphorus	31-2	857	837	763	819	6.00	cps
Potassium	39-2	83497	83947	84761	84068	0.76	cps
Rhodium	103-1	6413522	6597341	6402118	6470994	1.69	cps
Rhodium	103-2	4250452	4098442	4201501	4183465	1.85	cps
Scandium	45-1	3999596	4007247	3975253	3994032	0.42	cps
Scandium	45-2	449300	431485	435875	438887	2.11	cps
Selenium	82-1	136	131	119	129	7.03	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	523	470	513	502	5.65	cps
Silicon	28-1	564617	567643	569283	567181	0.42	cps
Silver	107-1	217	220	157	198	18.02	cps
Silver	109-1	227	193	167	196	15.37	cps
Sodium	23-2	43050	42866	43304	43073	0.51	cps
Strontium	86-1	857	887	897	880	2.37	cps
Strontium	88-1	697	870	847	804	11.69	cps
Sulfur	34-1	160449	161106	160553	160703	0.22	cps
Terbium	159-1	7784475	7832957	7789056	7802163	0.34	cps
Terbium	159-2	5988624	5735604	5612652	5778960	3.32	cps
Thallium	203-1	623	483	523	543	13.27	cps
Thallium	205-1	1413	1327	1277	1339	5.17	cps
Tin	118-1	1953	2060	1980	1998	2.78	cps
Titanium	47-1	97	97	137	110	20.99	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:43:39	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	13	3	10	57.75	cps
Vanadium	51-2	43	40	30	38	18.36	cps
Yttrium	89-1	11428387	11055820	11291923	11258710	1.67	cps
Yttrium	89-2	3401803	3353957	3355261	3370341	0.81	cps
Zinc	66-2	4261	3974	4147	4127	3.50	cps
Zirconium	90-1	457	460	420	446	4.98	cps
Zirconium	91-1	70	70	137	92	41.74	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:46:58	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16122159	15624884	16315903	16020982	2.22	cps
Antimony	121-1	6562	6548	6732	6614	1.55	cps
Arsenic	75-2	120	157	123	133	15.21	cps
Barium	135-1	1920	1943	2020	1961	2.67	cps
Barium	137-1	3447	3414	3610	3490	3.02	cps
Beryllium	9-1	244	187	191	207	15.31	cps
Bismuth	209-1	4803535	4591086	4655998	4683539	2.32	cps
Bismuth	209-2	4250039	4231829	4190350	4224073	0.72	cps
Bromine	81-1	10847	11348	11341	11179	2.57	cps
Bromine	81-2	353	313	297	321	9.07	cps
Cadmium	108-1	927	820	893	880	6.20	cps
Cadmium	106-1	2894	2900	2960	2918	1.26	cps
Cadmium	111-1	2394	2546	2437	2459	3.20	cps
Calcium	43-1	1621195	1580891	1565489	1589192	1.81	cps
Calcium	44-1	26208317	25622380	25241508	25690735	1.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	66643	67166	67343	67051	0.54	cps
Cobalt	59-2	6742	6291	6338	6457	3.83	cps
Copper	63-2	29406	29112	29850	29456	1.26	cps
Dysprosium	156-1	30	33	30	31	6.18	cps
Dysprosium	156-2	27	7	23	19	56.72	cps
Erbium	164-1	63	70	107	80	29.17	cps
Erbium	164-2	40	67	47	51	27.15	cps
Gadolinium	160-1	80	77	50	69	23.87	cps
Gadolinium	160-2	347	400	380	376	7.17	cps
Holmium	165-1	8057701	7635265	7731686	7808217	2.84	cps
Holmium	165-2	5933454	5919691	5877047	5910064	0.50	cps
Indium	115-1	6736028	6546526	6574108	6618887	1.55	cps
Indium	115-2	2693254	2686238	2680071	2686521	0.25	cps
Iron	56-2	294530509	295775356	293345302	294550389	0.41	cps
Iron	57-2	7253227	7352699	7317170	7307699	0.69	cps
Iron	54-2	16329406	16154183	16303985	16262524	0.58	cps
Krypton	83-1	457	437	503	466	7.35	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:46:58	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19321	19541	19411	19424	0.57	cps
Lead	207-1	15289	15716	15466	15490	1.39	cps
Lead	208-1	72225	73206	72281	72571	0.76	cps
Lithium	6-1	751837	711908	702452	722065	3.63	cps
Magnesium	24-2	28065929	28084331	27732069	27960776	0.71	cps
Manganese	55-2	22265	21862	21379	21835	2.03	cps
Molybdenum	94-1	3410035	3381255	3387997	3393096	0.44	cps
Molybdenum	95-1	6179227	6010885	6144906	6111673	1.46	cps
Molybdenum	96-1	6591765	6472302	6487680	6517249	1.00	cps
Molybdenum	97-1	3815954	3853751	3682131	3783945	2.38	cps
Molybdenum	98-1	9976999	9809931	9585771	9790901	2.00	cps
Neodymium	150-1	17	20	63	33	78.09	cps
Neodymium	150-2	17	17	17	17	0.00	cps
Nickel	60-2	7092	7439	7295	7275	2.40	cps
Phosphorus	31-2	973406	968415	962874	968232	0.54	cps
Potassium	39-2	36357027	35946249	36198788	36167355	0.57	cps
Rhodium	103-1	6567444	6665784	6531354	6588194	1.06	cps
Rhodium	103-2	4170850	4207923	4149691	4176154	0.71	cps
Scandium	45-1	3921636	3954134	3824547	3900105	1.73	cps
Scandium	45-2	444999	440198	442479	442559	0.54	cps
Selenium	82-1	187	198	104	163	31.45	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	477	517	610	534	12.80	cps
Silicon	28-1	596630	597016	592540	595395	0.42	cps
Silver	107-1	550	450	497	499	10.03	cps
Silver	109-1	580	387	447	471	21.01	cps
Sodium	23-2	46325776	45451699	46257218	46011564	1.06	cps
Strontium	86-1	66285	65649	64183	65372	1.65	cps
Strontium	88-1	576119	570356	554033	566836	2.02	cps
Sulfur	34-1	2554966	2563494	2473507	2530656	1.96	cps
Terbium	159-1	7932644	8094370	8313141	8113385	2.35	cps
Terbium	159-2	6004471	5928875	5853035	5928794	1.28	cps
Thallium	203-1	630	667	747	681	8.76	cps
Thallium	205-1	1383	1580	1740	1568	11.40	cps
Tin	118-1	3664	4958	5925	4849	23.39	cps
Titanium	47-1	1599844	1613079	1528836	1580586	2.87	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:46:58	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	260	243	313	272	13.43	cps
Vanadium	51-2	653	650	567	623	7.88	cps
Yttrium	89-1	11528073	11738679	11496774	11587842	1.14	cps
Yttrium	89-2	3409498	3428669	3430413	3422860	0.34	cps
Zinc	66-2	11084	11201	11158	11148	0.53	cps
Zirconium	90-1	643	673	617	644	4.40	cps
Zirconium	91-1	113	143	117	124	13.21	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:50:08	DataFile Name :	019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16590129	16241004	16313124	16381419	1.13	cps
Antimony	121-1	124353	126317	126757	125809	1.02	cps
Arsenic	75-2	8239	8543	8596	8459	2.28	cps
Barium	135-1	31605	30773	30740	31039	1.58	cps
Barium	137-1	53296	55371	52701	53789	2.61	cps
Beryllium	9-1	14875	14414	13574	14288	4.62	cps
Bismuth	209-1	4606778	4651149	4796167	4684698	2.11	cps
Bismuth	209-2	4284795	4298365	4329395	4304185	0.53	cps
Bromine	81-1	12265	12268	11818	12117	2.14	cps
Bromine	81-2	367	427	380	391	8.06	cps
Cadmium	108-1	3097	3024	2727	2949	6.64	cps
Cadmium	106-1	5835	5835	5621	5763	2.14	cps
Cadmium	111-1	35134	35620	35371	35375	0.69	cps
Calcium	43-1	1606709	1632131	1555500	1598113	2.44	cps
Calcium	44-1	26165250	25968025	26014855	26049377	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	136402	133318	135530	135083	1.18	cps
Cobalt	59-2	109520	108272	109530	109107	0.66	cps
Copper	63-2	103237	102659	102318	102738	0.45	cps
Dysprosium	156-1	53	43	47	48	10.66	cps
Dysprosium	156-2	20	27	40	29	35.25	cps
Erbium	164-1	90	127	93	103	19.62	cps
Erbium	164-2	70	97	77	81	17.11	cps
Gadolinium	160-1	87	80	120	96	22.43	cps
Gadolinium	160-2	467	467	473	469	0.82	cps
Holmium	165-1	7945153	7895799	7789542	7876831	1.01	cps
Holmium	165-2	6015635	5976498	6081497	6024544	0.88	cps
Indium	115-1	6883977	6712545	6687094	6761205	1.58	cps
Indium	115-2	2673480	2730024	2731934	2711813	1.22	cps
Iron	56-2	304507915	305000009	297755776	302421233	1.34	cps
Iron	57-2	7540402	7348359	7448766	7445843	1.29	cps
Iron	54-2	16686759	16351130	16384203	16474031	1.12	cps
Krypton	83-1	523	533	493	517	4.03	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:50:08	DataFile Name :	019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	104718	103267	104996	104327	0.89	cps
Lead	207-1	88649	89065	86025	87913	1.87	cps
Lead	208-1	400948	401105	412082	404712	1.58	cps
Lithium	6-1	673473	665636	666030	668380	0.66	cps
Magnesium	24-2	29271479	28362483	28147951	28593971	2.09	cps
Manganese	55-2	80761	80542	79800	80368	0.63	cps
Molybdenum	94-1	3502885	3522050	3496993	3507309	0.37	cps
Molybdenum	95-1	6334129	6250228	6189946	6258101	1.16	cps
Molybdenum	96-1	6704975	6590304	6487499	6594259	1.65	cps
Molybdenum	97-1	3815839	3933940	3742100	3830626	2.53	cps
Molybdenum	98-1	10166993	10171841	9811394	10050076	2.06	cps
Neodymium	150-1	37	50	57	48	21.31	cps
Neodymium	150-2	30	37	33	33	10.01	cps
Nickel	60-2	35539	33845	33888	34424	2.81	cps
Phosphorus	31-2	988453	978553	971928	979645	0.85	cps
Potassium	39-2	37490008	37008125	37276906	37258346	0.65	cps
Rhodium	103-1	6744386	6728034	6261828	6578082	4.17	cps
Rhodium	103-2	4243258	4242030	4248873	4244720	0.09	cps
Scandium	45-1	3931137	3866393	4048869	3948799	2.34	cps
Scandium	45-2	448455	452440	447512	449469	0.58	cps
Selenium	82-1	2583	2509	2607	2566	1.99	cps
Selenium	77-2	273	303	270	282	6.50	cps
Selenium	78-2	1567	1447	1573	1529	4.66	cps
Silicon	28-1	821058	805744	788320	805041	2.03	cps
Silver	107-1	156910	158062	162176	159049	1.74	cps
Silver	109-1	150528	154373	153064	152655	1.28	cps
Sodium	23-2	48320613	46225724	46263908	46936748	2.55	cps
Strontium	86-1	68241	68800	68435	68492	0.41	cps
Strontium	88-1	589367	590406	576224	585332	1.35	cps
Sulfur	34-1	2526331	2454072	2398736	2459713	2.60	cps
Terbium	159-1	8227293	8480688	8110087	8272689	2.29	cps
Terbium	159-2	6028055	6086564	5953173	6022597	1.11	cps
Thallium	203-1	108094	109709	103582	107129	2.96	cps
Thallium	205-1	247286	251932	261590	253603	2.88	cps
Tin	118-1	4581	5511	5705	5265	11.41	cps
Titanium	47-1	1597385	1587868	1605022	1596758	0.54	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:50:08	DataFile Name :	019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	297	317	313	309	3.47	cps
Vanadium	51-2	57560	56860	56395	56938	1.03	cps
Yttrium	89-1	12012666	11881386	11436701	11776918	2.56	cps
Yttrium	89-2	3502338	3456187	3447465	3468663	0.85	cps
Zinc	66-2	23489	23782	24290	23854	1.70	cps
Zirconium	90-1	1480	1487	1377	1448	4.26	cps
Zirconium	91-1	347	367	303	339	9.55	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:53:13	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9029469	8772865	8817164	8873166	1.55	cps
Antimony	121-1	2961339	3006387	2987843	2985189	0.76	cps
Arsenic	75-2	207244	205710	203178	205377	1.00	cps
Barium	135-1	3567485	3612369	3528037	3569297	1.18	cps
Barium	137-1	6104110	6254716	6029692	6129506	1.87	cps
Beryllium	9-1	345439	344547	346538	345508	0.29	cps
Bismuth	209-1	4833046	4692294	4686092	4737144	1.75	cps
Bismuth	209-2	4292184	4137634	4157301	4195706	2.01	cps
Bromine	81-1	10924	11061	10611	10865	2.12	cps
Bromine	81-2	203	183	220	202	9.08	cps
Cadmium	108-1	56162	57279	56835	56759	0.99	cps
Cadmium	106-1	81726	79902	83234	81621	2.04	cps
Cadmium	111-1	786234	791210	792448	789964	0.42	cps
Calcium	43-1	4019116	4027721	4060343	4035727	0.54	cps
Calcium	44-1	63838972	65134117	66107402	65026831	1.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1623571	1641823	1673599	1646331	1.54	cps
Cobalt	59-2	2462937	2476085	2465290	2468104	0.28	cps
Copper	63-2	19078234	18612142	18708131	18799502	1.31	cps
Dysprosium	156-1	177	200	187	188	6.23	cps
Dysprosium	156-2	310	320	400	343	14.37	cps
Erbium	164-1	310	360	367	346	8.96	cps
Erbium	164-2	363	287	327	326	11.78	cps
Gadolinium	160-1	190	217	207	204	6.59	cps
Gadolinium	160-2	533	503	580	539	7.17	cps
Holmium	165-1	8047159	8059760	7995689	8034203	0.42	cps
Holmium	165-2	6094365	5940488	6131881	6055578	1.67	cps
Indium	115-1	6798732	6743982	6682312	6741675	0.86	cps
Indium	115-2	2763737	2701943	2757286	2740988	1.24	cps
Iron	56-2	384972834	378256821	377553714	380261123	1.08	cps
Iron	57-2	9504151	9415260	9736001	9551804	1.73	cps
Iron	54-2	21170365	21266831	21106577	21181257	0.38	cps
Krypton	83-1	497	590	463	517	12.71	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:53:13	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10781293	10886887	10634360	10767513	1.18	cps
Lead	207-1	9395026	9224436	9200803	9273422	1.14	cps
Lead	208-1	42858745	42293686	41829923	42327451	1.22	cps
Lithium	6-1	678927	679363	672638	676976	0.56	cps
Magnesium	24-2	77553662	76879152	76177932	76870249	0.89	cps
Manganese	55-2	13927747	14031675	14092965	14017463	0.60	cps
Molybdenum	94-1	10843952	10901151	11066349	10937151	1.06	cps
Molybdenum	95-1	16190566	15954091	16069969	16071542	0.74	cps
Molybdenum	96-1	17464141	17075684	17048047	17195957	1.35	cps
Molybdenum	97-1	9616135	9675218	9746348	9679234	0.67	cps
Molybdenum	98-1	24895554	25029359	25590169	25171694	1.46	cps
Neodymium	150-1	193	193	127	171	22.49	cps
Neodymium	150-2	63	67	67	66	2.94	cps
Nickel	60-2	634628	625575	625335	628513	0.84	cps
Phosphorus	31-2	100794	99110	98667	99523	1.13	cps
Potassium	39-2	47477951	45982408	45612463	46357607	2.13	cps
Rhodium	103-1	6602675	6559953	6496475	6553034	0.82	cps
Rhodium	103-2	4339598	4151042	4188290	4226310	2.36	cps
Scandium	45-1	3997367	4061579	4088711	4049219	1.16	cps
Scandium	45-2	472913	459182	459149	463748	1.71	cps
Selenium	82-1	57462	58124	58411	57999	0.84	cps
Selenium	77-2	7745	7289	7395	7476	3.20	cps
Selenium	78-2	25288	24798	24437	24841	1.72	cps
Silicon	28-1	7709656	7852401	7864213	7808757	1.10	cps
Silver	107-1	3876288	3949196	3919219	3914901	0.94	cps
Silver	109-1	3764006	3797122	3762731	3774620	0.52	cps
Sodium	23-2	117769542	118938158	115023502	117243734	1.71	cps
Strontium	86-1	1017887	1013672	1032606	1021388	0.97	cps
Strontium	88-1	9092738	8998328	9186225	9092430	1.03	cps
Sulfur	34-1	372503	376068	376676	375082	0.60	cps
Terbium	159-1	8413636	8392399	8280432	8362155	0.86	cps
Terbium	159-2	6191809	6095765	6007739	6098438	1.51	cps
Thallium	203-1	2689521	2660471	2693976	2681323	0.68	cps
Thallium	205-1	6327865	6340249	6211208	6293108	1.13	cps
Tin	118-1	2487103	2503008	2491230	2493780	0.33	cps
Titanium	47-1	3896710	4043802	4080512	4007008	2.43	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:53:13	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8272756	8301683	8271852	8282097	0.20	cps
Vanadium	51-2	1418947	1411766	1408653	1413122	0.37	cps
Yttrium	89-1	12098659	11886750	12177838	12054416	1.25	cps
Yttrium	89-2	3657142	3619941	3504490	3593857	2.21	cps
Zinc	66-2	3376165	3358324	3379313	3371267	0.34	cps
Zirconium	90-1	5464654	5358296	5467917	5430289	1.15	cps
Zirconium	91-1	1180597	1187115	1194956	1187556	0.61	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:56:14	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1750	1757	1600	1702	5.20	cps
Antimony	121-1	643	650	650	648	0.59	cps
Arsenic	75-2	17	20	13	17	20.01	cps
Barium	135-1	150	167	147	154	6.94	cps
Barium	137-1	240	283	233	252	10.76	cps
Beryllium	9-1	0	4	7	4	91.64	cps
Bismuth	209-1	4643927	4703116	4609067	4652037	1.02	cps
Bismuth	209-2	4260945	4286772	4222900	4256873	0.75	cps
Bromine	81-1	11204	10978	10934	11039	1.31	cps
Bromine	81-2	233	207	223	221	6.09	cps
Cadmium	108-1	13	17	40	23	62.27	cps
Cadmium	106-1	2687	2784	2604	2691	3.35	cps
Cadmium	111-1	1922	1987	1851	1920	3.53	cps
Calcium	43-1	557	610	517	561	8.35	cps
Calcium	44-1	37620	36922	36464	37002	1.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2734	2860	2757	2784	2.42	cps
Cobalt	59-2	117	137	120	124	8.61	cps
Copper	63-2	2044	2344	2150	2179	6.98	cps
Dysprosium	156-1	7	3	3	4	43.40	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	27	40	67	44	45.82	cps
Erbium	164-2	57	53	27	46	36.09	cps
Gadolinium	160-1	47	50	33	43	20.36	cps
Gadolinium	160-2	400	413	390	401	2.92	cps
Holmium	165-1	7505160	7517799	7462364	7495108	0.39	cps
Holmium	165-2	5640303	5742691	5574917	5652637	1.50	cps
Indium	115-1	6742864	6561763	6411338	6571989	2.53	cps
Indium	115-2	2708335	2666815	2637906	2671019	1.33	cps
Iron	56-2	30344	29546	41919	33936	20.41	cps
Iron	57-2	2000	1820	2244	2021	10.52	cps
Iron	54-2	3594	3330	3350	3425	4.29	cps
Krypton	83-1	410	470	520	467	11.80	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:56:14	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	857	850	850	852	0.45	cps
Lead	207-1	793	677	710	727	8.27	cps
Lead	208-1	3514	3457	3324	3431	2.84	cps
Lithium	6-1	669626	656719	655907	660750	1.16	cps
Magnesium	24-2	1867	1753	1753	1791	3.65	cps
Manganese	55-2	1152	1286	1202	1214	5.57	cps
Molybdenum	94-1	730	663	503	632	18.43	cps
Molybdenum	95-1	807	727	797	777	5.61	cps
Molybdenum	96-1	817	930	820	856	7.54	cps
Molybdenum	97-1	560	520	487	522	7.03	cps
Molybdenum	98-1	1203	1180	1067	1150	6.36	cps
Neodymium	150-1	13	7	3	8	65.47	cps
Neodymium	150-2	10	3	3	6	69.34	cps
Nickel	60-2	607	577	560	581	4.07	cps
Phosphorus	31-2	757	733	803	764	4.66	cps
Potassium	39-2	91288	90701	90916	90968	0.33	cps
Rhodium	103-1	6547022	6636519	6498651	6560730	1.07	cps
Rhodium	103-2	4188588	4180658	4167622	4178956	0.25	cps
Scandium	45-1	3930563	3942418	3827181	3900054	1.63	cps
Scandium	45-2	434470	442528	428613	435204	1.61	cps
Selenium	82-1	226	156	100	160	39.35	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	560	490	587	546	9.15	cps
Silicon	28-1	565914	562999	561137	563350	0.43	cps
Silver	107-1	487	400	340	409	18.03	cps
Silver	109-1	467	363	270	367	26.83	cps
Sodium	23-2	62332	61129	60692	61385	1.38	cps
Strontium	86-1	847	850	913	870	4.32	cps
Strontium	88-1	760	963	827	850	12.19	cps
Sulfur	34-1	151488	152569	153442	152500	0.64	cps
Terbium	159-1	7830722	7526197	7674930	7677283	1.98	cps
Terbium	159-2	5763694	5720469	5623298	5702487	1.26	cps
Thallium	203-1	840	800	820	820	2.44	cps
Thallium	205-1	1987	1793	1793	1858	6.01	cps
Tin	118-1	2694	2607	2631	2644	1.69	cps
Titanium	47-1	113	147	127	129	13.02	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 13:56:14	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	100	87	70	86	17.57	cps
Vanadium	51-2	33	33	37	34	5.60	cps
Yttrium	89-1	11503653	11245201	11238468	11329107	1.33	cps
Yttrium	89-2	3377139	3398657	3372965	3382920	0.41	cps
Zinc	66-2	4431	4347	4404	4394	0.97	cps
Zirconium	90-1	637	630	660	642	2.45	cps
Zirconium	91-1	97	117	163	126	27.25	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:03:24	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5191	4958	5258	5135	3.07	cps
Antimony	121-1	12255	12219	11992	12155	1.17	cps
Arsenic	75-2	403	447	460	437	6.79	cps
Barium	135-1	14518	14484	14297	14433	0.82	cps
Barium	137-1	24939	24541	24999	24826	1.00	cps
Beryllium	9-1	703	826	828	786	9.09	cps
Bismuth	209-1	4762909	4648318	4682908	4698045	1.25	cps
Bismuth	209-2	4294785	4298864	4230809	4274819	0.89	cps
Bromine	81-1	10794	10554	11168	10839	2.85	cps
Bromine	81-2	197	253	233	228	12.62	cps
Cadmium	108-1	153	147	127	142	9.76	cps
Cadmium	106-1	2804	2884	2800	2829	1.67	cps
Cadmium	111-1	3615	3806	3605	3675	3.08	cps
Calcium	43-1	9737	9280	9410	9475	2.48	cps
Calcium	44-1	176082	175962	173532	175192	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9760	9500	9843	9701	1.85	cps
Cobalt	59-2	5771	5588	5745	5701	1.74	cps
Copper	63-2	9486	9797	9536	9606	1.73	cps
Dysprosium	156-1	13	13	13	13	0.00	cps
Dysprosium	156-2	7	0	7	4	86.60	cps
Erbium	164-1	53	33	70	52	35.16	cps
Erbium	164-2	33	53	60	49	28.39	cps
Gadolinium	160-1	37	77	30	48	52.83	cps
Gadolinium	160-2	367	423	323	371	13.51	cps
Holmium	165-1	7436896	7500490	7255130	7397505	1.72	cps
Holmium	165-2	5669660	5760724	5717146	5715843	0.80	cps
Indium	115-1	6676223	6411197	6387751	6491724	2.47	cps
Indium	115-2	2696679	2734083	2722779	2717847	0.71	cps
Iron	56-2	191988	188562	203996	194849	4.16	cps
Iron	57-2	6355	6268	6185	6269	1.36	cps
Iron	54-2	12565	12205	12445	12405	1.48	cps
Krypton	83-1	467	477	517	487	5.44	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:03:24	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4978	5281	4878	5045	4.16	cps
Lead	207-1	4467	4407	4001	4292	5.92	cps
Lead	208-1	20303	20363	19559	20075	2.23	cps
Lithium	6-1	682173	661332	670712	671406	1.55	cps
Magnesium	24-2	161376	158359	159770	159835	0.94	cps
Manganese	55-2	4073	4042	4005	4040	0.83	cps
Molybdenum	94-1	13236	13470	13593	13433	1.35	cps
Molybdenum	95-1	16553	16726	16403	16561	0.98	cps
Molybdenum	96-1	18632	18589	17958	18393	2.05	cps
Molybdenum	97-1	10287	10310	10307	10301	0.12	cps
Molybdenum	98-1	26835	27215	26431	26827	1.46	cps
Neodymium	150-1	7	3	0	3	100.05	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	2013	2144	2010	2056	3.70	cps
Phosphorus	31-2	1050	1073	1140	1088	4.29	cps
Potassium	39-2	287154	285780	286738	286557	0.25	cps
Rhodium	103-1	6544057	6493475	6415522	6484351	1.00	cps
Rhodium	103-2	4125286	4230889	4142848	4166341	1.36	cps
Scandium	45-1	3889796	3878907	3792272	3853658	1.39	cps
Scandium	45-2	431425	432346	436172	433314	0.58	cps
Selenium	82-1	849	821	788	820	3.73	cps
Selenium	77-2	113	103	103	107	5.42	cps
Selenium	78-2	870	747	773	797	8.15	cps
Silicon	28-1	564051	568281	567968	566767	0.42	cps
Silver	107-1	8222	8833	8683	8579	3.71	cps
Silver	109-1	8136	7999	7946	8027	1.22	cps
Sodium	23-2	294426	290035	293237	292566	0.78	cps
Strontium	86-1	3087	2964	2900	2984	3.18	cps
Strontium	88-1	19303	18929	18682	18971	1.65	cps
Sulfur	34-1	160277	162011	160738	161009	0.56	cps
Terbium	159-1	7781621	7736668	7643816	7720702	0.91	cps
Terbium	159-2	5688736	5790057	5792366	5757053	1.03	cps
Thallium	203-1	5828	5708	5771	5769	1.04	cps
Thallium	205-1	14084	14188	14198	14156	0.44	cps
Tin	118-1	28234	27717	27393	27781	1.53	cps
Titanium	47-1	4144	4291	4304	4246	2.09	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:03:24	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16664	16477	15966	16369	2.21	cps
Vanadium	51-2	14717	15291	14827	14945	2.04	cps
Yttrium	89-1	11462213	11041409	10961922	11155181	2.41	cps
Yttrium	89-2	3400434	3337671	3379910	3372672	0.95	cps
Zinc	66-2	7889	8049	7769	7902	1.78	cps
Zirconium	90-1	10791	11458	10917	11055	3.20	cps
Zirconium	91-1	2624	2460	2427	2504	4.20	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BL	Instrumnet Name :	P7
Client Sample ID :	PB169251BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:10:08	DataFile Name :	024CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1563	1430	1593	1529	5.69	cps
Antimony	121-1	67	93	93	84	18.23	cps
Arsenic	75-2	3	7	3	4	43.40	cps
Barium	135-1	137	140	107	128	14.37	cps
Barium	137-1	223	163	200	196	15.47	cps
Beryllium	9-1	7	7	0	4	85.44	cps
Bismuth	209-1	4712669	4919249	4775917	4802612	2.20	cps
Bismuth	209-2	4322611	4021419	4159694	4167908	3.62	cps
Bromine	81-1	11074	10974	10554	10867	2.54	cps
Bromine	81-2	230	257	260	249	6.61	cps
Cadmium	108-1	13	13	17	14	13.35	cps
Cadmium	106-1	2797	2827	2597	2740	4.56	cps
Cadmium	111-1	1992	1983	1833	1936	4.61	cps
Calcium	43-1	503	590	450	514	13.74	cps
Calcium	44-1	29926	30487	29576	29996	1.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2497	2604	2664	2588	3.26	cps
Cobalt	59-2	113	113	117	114	1.68	cps
Copper	63-2	2920	4409	2820	3383	26.29	cps
Dysprosium	156-1	13	17	7	12	41.65	cps
Dysprosium	156-2	10	3	0	4	114.60	cps
Erbium	164-1	43	83	80	69	32.22	cps
Erbium	164-2	37	67	37	47	37.11	cps
Gadolinium	160-1	47	67	57	57	17.65	cps
Gadolinium	160-2	453	420	453	442	4.35	cps
Holmium	165-1	7459199	7613934	7231930	7435021	2.58	cps
Holmium	165-2	5678506	5472282	5539422	5563403	1.89	cps
Indium	115-1	6449106	6689028	6405105	6514413	2.35	cps
Indium	115-2	2664101	2584811	2616243	2621718	1.52	cps
Iron	56-2	25579	25278	42240	31032	31.28	cps
Iron	57-2	1880	1843	1773	1832	2.96	cps
Iron	54-2	3020	3157	3167	3115	2.63	cps
Krypton	83-1	607	490	500	532	12.15	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BL	Instrumnet Name :	P7
Client Sample ID :	PB169251BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:10:08	DataFile Name :	024CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	877	957	827	887	7.40	cps
Lead	207-1	740	857	713	770	9.90	cps
Lead	208-1	3607	3694	3264	3521	6.46	cps
Lithium	6-1	701815	701742	688253	697270	1.12	cps
Magnesium	24-2	1330	1243	1233	1269	4.19	cps
Manganese	55-2	1239	1086	1156	1160	6.62	cps
Molybdenum	94-1	353	257	393	334	21.01	cps
Molybdenum	95-1	320	317	257	298	11.97	cps
Molybdenum	96-1	313	343	360	339	6.98	cps
Molybdenum	97-1	260	227	220	236	9.10	cps
Molybdenum	98-1	497	440	447	461	6.72	cps
Neodymium	150-1	3	13	10	9	57.30	cps
Neodymium	150-2	7	7	3	6	34.70	cps
Nickel	60-2	603	730	673	669	9.49	cps
Phosphorus	31-2	830	853	883	856	3.13	cps
Potassium	39-2	84811	84677	84362	84617	0.27	cps
Rhodium	103-1	6501335	6600078	6312305	6471239	2.26	cps
Rhodium	103-2	4152463	4035227	4162955	4116882	1.72	cps
Scandium	45-1	3922659	3873596	3858755	3885003	0.86	cps
Scandium	45-2	433396	425273	429409	429359	0.95	cps
Selenium	82-1	70	148	126	115	35.22	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	460	577	520	519	11.24	cps
Silicon	28-1	542093	547332	546133	545186	0.50	cps
Silver	107-1	130	170	177	159	15.89	cps
Silver	109-1	117	140	163	140	16.67	cps
Sodium	23-2	46771	46620	46607	46666	0.20	cps
Strontium	86-1	867	867	747	827	8.38	cps
Strontium	88-1	797	837	840	824	2.92	cps
Sulfur	34-1	162790	164542	164639	163990	0.63	cps
Terbium	159-1	7750019	7762168	7615801	7709329	1.05	cps
Terbium	159-2	5750024	5508721	5608746	5622497	2.16	cps
Thallium	203-1	573	580	530	561	4.84	cps
Thallium	205-1	1333	1273	1233	1280	3.93	cps
Tin	118-1	2297	1930	1954	2060	9.97	cps
Titanium	47-1	87	73	63	74	15.73	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BL	Instrumnet Name :	P7
Client Sample ID :	PB169251BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:10:08	DataFile Name :	024CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7	7	20	11	69.25	cps
Vanadium	51-2	23	50	10	28	73.33	cps
Yttrium	89-1	11264454	11441363	10982527	11229448	2.06	cps
Yttrium	89-2	3394745	3248548	3402146	3348480	2.59	cps
Zinc	66-2	4827	4467	4627	4641	3.89	cps
Zirconium	90-1	430	440	417	429	2.73	cps
Zirconium	91-1	80	110	63	84	28.01	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BS	Instrumnet Name :	P7
Client Sample ID :	PB169251BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:13:27	DataFile Name :	025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1763034	1753712	1757158	1757968	0.27	cps
Antimony	121-1	2943013	2954198	2908348	2935187	0.81	cps
Arsenic	75-2	201609	204523	202243	202791	0.76	cps
Barium	135-1	3524500	3569254	3490653	3528136	1.12	cps
Barium	137-1	6042423	6101954	6058306	6067561	0.51	cps
Beryllium	9-1	366960	370868	369957	369262	0.55	cps
Bismuth	209-1	4817749	4811880	4777145	4802258	0.46	cps
Bismuth	209-2	4284920	4322923	4368522	4325455	0.97	cps
Bromine	81-1	10507	10507	10160	10392	1.93	cps
Bromine	81-2	233	153	190	192	20.83	cps
Cadmium	108-1	57711	58869	57236	57939	1.45	cps
Cadmium	106-1	82658	83304	82704	82889	0.44	cps
Cadmium	111-1	806930	806140	801983	805017	0.33	cps
Calcium	43-1	834450	834308	833553	834104	0.06	cps
Calcium	44-1	13146539	13102814	12989860	13079738	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1581445	1641714	1608876	1610678	1.87	cps
Cobalt	59-2	2395582	2407036	2421846	2408155	0.55	cps
Copper	63-2	19196770	18742787	18886901	18942153	1.22	cps
Dysprosium	156-1	80	47	67	64	26.03	cps
Dysprosium	156-2	167	200	193	187	9.45	cps
Erbium	164-1	133	117	143	131	10.28	cps
Erbium	164-2	100	97	87	94	7.35	cps
Gadolinium	160-1	100	73	107	93	18.90	cps
Gadolinium	160-2	367	410	430	402	8.05	cps
Holmium	165-1	7885734	7910687	7578667	7791696	2.37	cps
Holmium	165-2	5937419	5786936	5823689	5849348	1.34	cps
Indium	115-1	6698627	6645129	6628769	6657508	0.55	cps
Indium	115-2	2722340	2645637	2682700	2683559	1.43	cps
Iron	56-2	74737014	75197794	75374524	75103111	0.44	cps
Iron	57-2	1880945	1869911	1865473	1872110	0.43	cps
Iron	54-2	4205908	4275248	4194072	4225076	1.04	cps
Krypton	83-1	583	493	463	513	12.17	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BS	Instrumnet Name :	P7
Client Sample ID :	PB169251BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:13:27	DataFile Name :	025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10732601	10805232	10842686	10793506	0.52	cps
Lead	207-1	9429279	9409676	9448965	9429307	0.21	cps
Lead	208-1	43558122	43037999	43410823	43335648	0.62	cps
Lithium	6-1	733093	736323	721388	730268	1.08	cps
Magnesium	24-2	14995517	15545733	15382394	15307881	1.85	cps
Manganese	55-2	13552739	13599338	13646313	13599463	0.34	cps
Molybdenum	94-1	10577054	10692693	10435199	10568315	1.22	cps
Molybdenum	95-1	15605214	15615786	15501613	15574204	0.41	cps
Molybdenum	96-1	16920378	16986535	17105275	17004063	0.55	cps
Molybdenum	97-1	9523391	9649682	9649255	9607442	0.76	cps
Molybdenum	98-1	24514335	24743342	24671920	24643199	0.48	cps
Neodymium	150-1	150	130	117	132	12.69	cps
Neodymium	150-2	53	33	47	44	22.92	cps
Nickel	60-2	623672	615154	612630	617152	0.94	cps
Phosphorus	31-2	93340	96295	96805	95480	1.96	cps
Potassium	39-2	9223728	9022852	8931113	9059231	1.65	cps
Rhodium	103-1	6779511	6544934	6471736	6598727	2.44	cps
Rhodium	103-2	4278032	4061773	4189658	4176488	2.60	cps
Scandium	45-1	3988791	3968358	3967994	3975048	0.30	cps
Scandium	45-2	447624	442236	440020	443293	0.88	cps
Selenium	82-1	59260	59884	59746	59630	0.55	cps
Selenium	77-2	7639	7272	7445	7452	2.46	cps
Selenium	78-2	25629	24921	24467	25006	2.34	cps
Silicon	28-1	7967630	7924007	7847255	7912964	0.77	cps
Silver	107-1	3962352	4035757	3978750	3992286	0.97	cps
Silver	109-1	3885882	3785831	3851195	3840969	1.32	cps
Sodium	23-2	23325410	23523931	23240270	23363204	0.62	cps
Strontium	86-1	992281	994719	980611	989204	0.76	cps
Strontium	88-1	8807932	8812947	8652813	8757897	1.04	cps
Sulfur	34-1	396342	393165	388431	392646	1.01	cps
Terbium	159-1	8343654	8121954	7935423	8133677	2.51	cps
Terbium	159-2	5826221	5892992	5976682	5898632	1.28	cps
Thallium	203-1	2691507	2671091	2659097	2673898	0.61	cps
Thallium	205-1	6342324	6346620	6346306	6345083	0.04	cps
Tin	118-1	2414794	2426097	2455574	2432155	0.87	cps
Titanium	47-1	4000731	3999952	3894018	3964901	1.55	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169251BS	Instrumnet Name :	P7
Client Sample ID :	PB169251BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:13:27	DataFile Name :	025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8257419	8460419	8443622	8387154	1.34	cps
Vanadium	51-2	1366117	1391646	1376218	1377994	0.93	cps
Yttrium	89-1	11600846	11568388	11206729	11458654	1.91	cps
Yttrium	89-2	3473940	3292189	3388501	3384877	2.69	cps
Zinc	66-2	3499035	3464369	3475724	3479710	0.51	cps
Zirconium	90-1	5415011	5332776	5191511	5313099	2.13	cps
Zirconium	91-1	1164447	1157000	1159442	1160296	0.33	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:19:44	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1540	1627	1660	1609	3.85	cps
Antimony	121-1	137	230	193	187	25.19	cps
Arsenic	75-2	3	10	10	8	49.52	cps
Barium	135-1	140	167	100	136	24.75	cps
Barium	137-1	237	237	197	223	10.34	cps
Beryllium	9-1	3	3	17	8	98.17	cps
Bismuth	209-1	4786760	4608464	4696020	4697081	1.90	cps
Bismuth	209-2	4340925	4207916	4255180	4268007	1.58	cps
Bromine	81-1	10587	10731	10347	10555	1.84	cps
Bromine	81-2	257	243	223	241	6.96	cps
Cadmium	108-1	10	17	40	22	70.88	cps
Cadmium	106-1	2844	3037	2887	2923	3.47	cps
Cadmium	111-1	2024	2138	2013	2058	3.36	cps
Calcium	43-1	510	570	480	520	8.81	cps
Calcium	44-1	35922	36364	36437	36241	0.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4150	2830	2474	3151	28.02	cps
Cobalt	59-2	117	100	123	113	10.61	cps
Copper	63-2	2850	2907	2824	2860	1.49	cps
Dysprosium	156-1	17	10	10	12	31.50	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	37	33	47	39	17.85	cps
Erbium	164-2	47	50	27	41	30.69	cps
Gadolinium	160-1	30	50	40	40	25.00	cps
Gadolinium	160-2	397	393	457	416	8.58	cps
Holmium	165-1	7520411	7516865	7465032	7500769	0.41	cps
Holmium	165-2	5654657	5684491	5744368	5694506	0.80	cps
Indium	115-1	6500525	6431272	6502888	6478228	0.63	cps
Indium	115-2	2622872	2626316	2665170	2638119	0.89	cps
Iron	56-2	24777	25074	24393	24748	1.38	cps
Iron	57-2	1727	1760	1950	1812	6.65	cps
Iron	54-2	3067	3110	3114	3097	0.84	cps
Krypton	83-1	483	487	490	487	0.68	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:19:44	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	937	957	830	908	7.50	cps
Lead	207-1	707	810	747	754	6.91	cps
Lead	208-1	3510	3704	3490	3568	3.30	cps
Lithium	6-1	716592	701357	696175	704708	1.51	cps
Magnesium	24-2	1287	1277	1253	1272	1.34	cps
Manganese	55-2	1039	1099	1103	1080	3.30	cps
Molybdenum	94-1	377	357	373	369	2.91	cps
Molybdenum	95-1	433	493	360	429	15.57	cps
Molybdenum	96-1	453	433	447	444	2.29	cps
Molybdenum	97-1	270	333	310	304	10.52	cps
Molybdenum	98-1	663	563	583	603	8.77	cps
Neodymium	150-1	3	13	13	10	57.75	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	750	647	750	716	8.34	cps
Phosphorus	31-2	767	747	843	786	6.50	cps
Potassium	39-2	82958	84791	86021	84590	1.82	cps
Rhodium	103-1	6417803	6431944	6440226	6429991	0.18	cps
Rhodium	103-2	4171218	4137585	4189834	4166212	0.64	cps
Scandium	45-1	3911392	3819796	3821478	3850888	1.36	cps
Scandium	45-2	431618	433878	435364	433620	0.44	cps
Selenium	82-1	122	59	71	84	39.81	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	523	643	567	578	10.52	cps
Silicon	28-1	544835	548335	548111	547094	0.36	cps
Silver	107-1	237	200	127	188	29.83	cps
Silver	109-1	177	160	167	168	5.00	cps
Sodium	23-2	47640	46212	46313	46722	1.71	cps
Strontium	86-1	857	777	897	843	7.24	cps
Strontium	88-1	683	797	763	748	7.79	cps
Sulfur	34-1	155963	156599	156360	156308	0.21	cps
Terbium	159-1	7708240	7792173	7729965	7743459	0.56	cps
Terbium	159-2	5698820	5635071	5672363	5668751	0.56	cps
Thallium	203-1	583	437	517	512	14.34	cps
Thallium	205-1	1373	1317	1163	1285	8.46	cps
Tin	118-1	2804	2694	2527	2675	5.21	cps
Titanium	47-1	117	120	120	119	1.62	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BL	Instrumnet Name :	P7
Client Sample ID :	PB169194BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:19:44	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	30	17	20	44.10	cps
Vanadium	51-2	33	10	27	23	51.50	cps
Yttrium	89-1	11378079	11379089	11130223	11295797	1.27	cps
Yttrium	89-2	3336905	3324271	3349898	3337025	0.38	cps
Zinc	66-2	4587	4414	4948	4650	5.85	cps
Zirconium	90-1	443	437	450	443	1.50	cps
Zirconium	91-1	107	73	97	92	18.55	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:23:36	DataFile Name :	028LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1780750	1831880	1783808	1798813	1.59	cps
Antimony	121-1	2975784	2971612	2969572	2972323	0.11	cps
Arsenic	75-2	204674	205598	199729	203334	1.55	cps
Barium	135-1	3602530	3516724	3602106	3573787	1.38	cps
Barium	137-1	6217424	5976278	5992271	6061991	2.22	cps
Beryllium	9-1	375632	375023	378410	376355	0.48	cps
Bismuth	209-1	4899020	4842848	4707591	4816486	2.04	cps
Bismuth	209-2	4334827	4253140	4266231	4284733	1.02	cps
Bromine	81-1	10667	10444	11455	10855	4.89	cps
Bromine	81-2	397	413	490	433	11.49	cps
Cadmium	108-1	57243	57996	57741	57660	0.66	cps
Cadmium	106-1	83794	82527	82789	83036	0.81	cps
Cadmium	111-1	817470	814461	811012	814314	0.40	cps
Calcium	43-1	835794	849212	845250	843419	0.82	cps
Calcium	44-1	13185726	13246674	13377674	13270025	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1608455	1628583	1607108	1614715	0.74	cps
Cobalt	59-2	2419016	2469799	2441001	2443272	1.04	cps
Copper	63-2	19267807	18698913	19281485	19082735	1.74	cps
Dysprosium	156-1	67	90	77	78	15.05	cps
Dysprosium	156-2	257	203	183	214	17.68	cps
Erbium	164-1	120	120	120	120	0.00	cps
Erbium	164-2	110	87	53	83	34.18	cps
Gadolinium	160-1	80	80	90	83	6.93	cps
Gadolinium	160-2	350	440	417	402	11.61	cps
Holmium	165-1	7850791	7818613	7761862	7810422	0.58	cps
Holmium	165-2	5990109	5765795	5931967	5895957	1.97	cps
Indium	115-1	6622451	6655598	6556293	6611447	0.76	cps
Indium	115-2	2722962	2640893	2682002	2681952	1.53	cps
Iron	56-2	75575606	77929117	74933414	76146046	2.07	cps
Iron	57-2	1901302	1938043	1864678	1901341	1.93	cps
Iron	54-2	4192414	4300015	4217911	4236780	1.33	cps
Krypton	83-1	547	467	507	507	7.89	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:23:36	DataFile Name :	028LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11051074	11412517	11226417	11230003	1.61	cps
Lead	207-1	9666254	9818711	9668941	9717969	0.90	cps
Lead	208-1	44273811	44409056	44084174	44255680	0.37	cps
Lithium	6-1	755363	743123	742116	746867	0.99	cps
Magnesium	24-2	15851447	15951947	15403657	15735684	1.86	cps
Manganese	55-2	13724368	13736960	13604211	13688513	0.54	cps
Molybdenum	94-1	10569578	10763099	10624737	10652471	0.94	cps
Molybdenum	95-1	15775621	15528640	15620883	15641714	0.80	cps
Molybdenum	96-1	17070433	16890853	16915734	16959006	0.57	cps
Molybdenum	97-1	9513774	9602103	9554197	9556691	0.46	cps
Molybdenum	98-1	25349658	25207340	25056656	25204551	0.58	cps
Neodymium	150-1	103	127	200	143	35.19	cps
Neodymium	150-2	40	40	40	40	0.00	cps
Nickel	60-2	627833	625825	630134	627931	0.34	cps
Phosphorus	31-2	96553	98395	96473	97140	1.12	cps
Potassium	39-2	9048955	9139777	9338412	9175715	1.61	cps
Rhodium	103-1	6550917	6528424	6396714	6492018	1.28	cps
Rhodium	103-2	4191623	4089617	4150200	4143813	1.24	cps
Scandium	45-1	3946707	3911714	3872068	3910163	0.96	cps
Scandium	45-2	446180	431333	439828	439114	1.70	cps
Selenium	82-1	59377	59858	59567	59600	0.41	cps
Selenium	77-2	7289	7435	7492	7405	1.42	cps
Selenium	78-2	26387	24901	25525	25605	2.91	cps
Silicon	28-1	7989214	7895983	7920541	7935246	0.61	cps
Silver	107-1	4096375	4140466	3956769	4064537	2.36	cps
Silver	109-1	3939030	3901886	3781267	3874061	2.13	cps
Sodium	23-2	24638144	24064140	23636460	24112914	2.08	cps
Strontium	86-1	1002465	994877	1008783	1002042	0.69	cps
Strontium	88-1	8781310	8838446	8780035	8799930	0.38	cps
Sulfur	34-1	391922	391724	393067	392238	0.18	cps
Terbium	159-1	7947046	7919725	8063708	7976826	0.96	cps
Terbium	159-2	5972419	5943991	5824419	5913610	1.33	cps
Thallium	203-1	2731171	2788929	2700963	2740354	1.63	cps
Thallium	205-1	6296391	6494772	6389410	6393524	1.55	cps
Tin	118-1	2493325	2449725	2471381	2471477	0.88	cps
Titanium	47-1	3993279	4028076	4072393	4031249	0.98	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	PB169194BS	Instrumnet Name :	P7
Client Sample ID :	PB169194BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:23:36	DataFile Name :	028LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8325613	8542490	8393890	8420665	1.32	cps
Vanadium	51-2	1365415	1367090	1358545	1363683	0.33	cps
Yttrium	89-1	11692267	11505544	11331944	11509918	1.57	cps
Yttrium	89-2	3422165	3298335	3380480	3366993	1.87	cps
Zinc	66-2	3538243	3439665	3496403	3491437	1.42	cps
Zirconium	90-1	5293771	5294125	5321992	5303296	0.31	cps
Zirconium	91-1	1165191	1166351	1161615	1164386	0.21	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01	Instrumnet Name :	P7
Client Sample ID :	0804-SOIL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:26:19	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11367530	11327152	11351801	11348828	0.18	cps
Antimony	121-1	8940	9400	8853	9064	3.24	cps
Arsenic	75-2	19413	19586	20034	19678	1.63	cps
Barium	135-1	740984	746643	746185	744604	0.42	cps
Barium	137-1	1307362	1287789	1313486	1302879	1.03	cps
Beryllium	9-1	2615	2543	2498	2552	2.31	cps
Bismuth	209-1	4931799	5012653	4953839	4966097	0.84	cps
Bismuth	209-2	4416993	4420219	4378595	4405269	0.53	cps
Bromine	81-1	30392	38156	42020	36856	16.07	cps
Bromine	81-2	8382	8666	8969	8673	3.38	cps
Cadmium	108-1	633	700	570	634	10.25	cps
Cadmium	106-1	4277	4367	4701	4449	5.02	cps
Cadmium	111-1	9132	9389	9440	9320	1.77	cps
Calcium	43-1	317723	322175	315017	318305	1.14	cps
Calcium	44-1	4963298	5047372	5024665	5011779	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	470943	474483	471428	472285	0.41	cps
Cobalt	59-2	243365	241541	241484	242130	0.44	cps
Copper	63-2	1187839	1194583	1191247	1191223	0.28	cps
Dysprosium	156-1	98842	97459	98133	98145	0.70	cps
Dysprosium	156-2	93099	91886	89510	91498	2.00	cps
Erbium	164-1	95356	97344	95504	96068	1.15	cps
Erbium	164-2	73476	73885	72169	73177	1.22	cps
Gadolinium	160-1	101421	103802	102341	102521	1.17	cps
Gadolinium	160-2	81982	81124	80513	81207	0.91	cps
Holmium	165-1	8267146	8047483	8142112	8152247	1.35	cps
Holmium	165-2	6111255	6168787	6028959	6103000	1.15	cps
Indium	115-1	6848891	6835823	6889074	6857930	0.40	cps
Indium	115-2	2820578	2835973	2734482	2797011	1.96	cps
Iron	56-2	373906674	362171555	369445114	368507781	1.61	cps
Iron	57-2	9249683	9181692	9098521	9176632	0.83	cps
Iron	54-2	20589837	20540668	20389421	20506642	0.51	cps
Krypton	83-1	603	627	647	626	3.47	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01	Instrumnet Name :	P7
Client Sample ID :	0804-SOIL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:26:19	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8522837	8851609	8499274	8624574	2.28	cps
Lead	207-1	7320111	7670547	7169081	7386580	3.48	cps
Lead	208-1	33402450	34826978	33298170	33842532	2.52	cps
Lithium	6-1	773976	753275	747892	758381	1.82	cps
Magnesium	24-2	6111295	6192249	6192848	6165464	0.76	cps
Manganese	55-2	7792615	7612148	7679951	7694905	1.18	cps
Molybdenum	94-1	98452	101845	98720	99672	1.89	cps
Molybdenum	95-1	21326	21473	21329	21376	0.39	cps
Molybdenum	96-1	39861	38685	39991	39512	1.82	cps
Molybdenum	97-1	12866	13810	13213	13296	3.59	cps
Molybdenum	98-1	34391	33569	33876	33945	1.22	cps
Neodymium	150-1	153653	160266	154654	156191	2.28	cps
Neodymium	150-2	103366	101744	102050	102387	0.84	cps
Nickel	60-2	140009	137916	136243	138056	1.37	cps
Phosphorus	31-2	85615	85344	84647	85202	0.59	cps
Potassium	39-2	2635924	2659827	2667534	2654428	0.62	cps
Rhodium	103-1	6929012	6624606	6915169	6822929	2.52	cps
Rhodium	103-2	4332053	4409094	4227538	4322895	2.11	cps
Scandium	45-1	4398168	4229453	4388722	4338781	2.18	cps
Scandium	45-2	478808	480142	474131	477694	0.66	cps
Selenium	82-1	810	728	692	743	8.18	cps
Selenium	77-2	493	500	493	496	0.78	cps
Selenium	78-2	1080	1103	1160	1115	3.69	cps
Silicon	28-1	3846082	3651488	4009532	3835701	4.67	cps
Silver	107-1	8032	8516	8189	8246	2.99	cps
Silver	109-1	8289	8049	8082	8140	1.60	cps
Sodium	23-2	1511403	1534748	1558985	1535045	1.55	cps
Strontium	86-1	215609	215931	216588	216043	0.23	cps
Strontium	88-1	1894840	1915537	1862336	1890904	1.42	cps
Sulfur	34-1	218501	217642	218437	218193	0.22	cps
Terbium	159-1	8569015	8119794	8536644	8408484	2.98	cps
Terbium	159-2	6197743	6108890	6011813	6106149	1.52	cps
Thallium	203-1	4221	3914	3947	4027	4.18	cps
Thallium	205-1	9537	9583	9163	9428	2.44	cps
Tin	118-1	38676	37318	38659	38218	2.04	cps
Titanium	47-1	851604	833290	854144	846346	1.34	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01	Instrumnet Name :	P7
Client Sample ID :	0804-SOIL	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:26:19	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	102731	103033	101660	102475	0.70	cps
Vanadium	51-2	496316	496226	492066	494869	0.49	cps
Yttrium	89-1	13368651	13781988	12996084	13382241	2.94	cps
Yttrium	89-2	4043418	3975569	3920338	3979775	1.55	cps
Zinc	66-2	709478	710055	705396	708310	0.36	cps
Zirconium	90-1	239121	242909	243208	241746	0.94	cps
Zirconium	91-1	55000	54461	55321	54927	0.79	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01DUP	Instrumnet Name :	P7
Client Sample ID :	0804-SOILDUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:29:26	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11750250	11582381	11833906	11722179	1.09	cps
Antimony	121-1	10437	9927	10297	10220	2.58	cps
Arsenic	75-2	20718	20231	20541	20497	1.20	cps
Barium	135-1	808998	796784	816974	807585	1.26	cps
Barium	137-1	1401385	1422746	1426684	1416938	0.96	cps
Beryllium	9-1	2573	2626	2497	2565	2.52	cps
Bismuth	209-1	4914629	4656186	4975254	4848690	3.49	cps
Bismuth	209-2	4427815	4365421	4467546	4420261	1.16	cps
Bromine	81-1	38788	46209	51369	45455	13.91	cps
Bromine	81-2	10140	10177	10317	10211	0.91	cps
Cadmium	108-1	713	727	670	703	4.21	cps
Cadmium	106-1	4587	4571	4494	4551	1.09	cps
Cadmium	111-1	9597	9456	9619	9557	0.92	cps
Calcium	43-1	301822	301172	299433	300809	0.41	cps
Calcium	44-1	4662651	4716521	4854883	4744685	2.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	432440	432571	431345	432119	0.16	cps
Cobalt	59-2	224064	223528	227722	225105	1.01	cps
Copper	63-2	1207288	1198907	1199303	1201833	0.39	cps
Dysprosium	156-1	92386	92372	96221	93660	2.37	cps
Dysprosium	156-2	89369	89849	88709	89309	0.64	cps
Erbium	164-1	95303	93524	93753	94194	1.03	cps
Erbium	164-2	73214	73928	74488	73877	0.86	cps
Gadolinium	160-1	99085	99635	100954	99892	0.96	cps
Gadolinium	160-2	78392	78774	79924	79030	1.01	cps
Holmium	165-1	7977522	7876488	8186472	8013494	1.97	cps
Holmium	165-2	6166728	6127325	6072919	6122324	0.77	cps
Indium	115-1	6966833	6615589	6910077	6830833	2.76	cps
Indium	115-2	2923365	2795038	2873940	2864114	2.26	cps
Iron	56-2	332107275	333949868	334675382	333577508	0.40	cps
Iron	57-2	8058860	8204503	8060501	8107955	1.03	cps
Iron	54-2	18255387	17948266	18156122	18119925	0.86	cps
Krypton	83-1	627	553	653	611	8.47	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01DUP	Instrumnet Name :	P7
Client Sample ID :	0804-SOILDUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:29:26	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8981455	9318269	8895706	9065144	2.46	cps
Lead	207-1	7790997	7833246	7770996	7798413	0.41	cps
Lead	208-1	35334564	35915414	35640055	35630011	0.82	cps
Lithium	6-1	754678	718249	763063	745330	3.20	cps
Magnesium	24-2	6020659	5921930	5944559	5962383	0.87	cps
Manganese	55-2	7609198	7650077	7461172	7573482	1.31	cps
Molybdenum	94-1	104279	102651	101218	102716	1.49	cps
Molybdenum	95-1	17390	16983	16590	16988	2.36	cps
Molybdenum	96-1	35400	35771	36148	35773	1.05	cps
Molybdenum	97-1	10711	10474	10100	10428	2.95	cps
Molybdenum	98-1	27175	26778	27022	26992	0.74	cps
Neodymium	150-1	154313	152977	152837	153376	0.53	cps
Neodymium	150-2	103054	101788	102625	102489	0.63	cps
Nickel	60-2	135289	134814	133510	134538	0.68	cps
Phosphorus	31-2	87613	86232	87925	87257	1.03	cps
Potassium	39-2	2829875	2750689	2749690	2776751	1.66	cps
Rhodium	103-1	6985910	6871903	6928450	6928754	0.82	cps
Rhodium	103-2	4463588	4471308	4297946	4410947	2.22	cps
Scandium	45-1	4381337	4241169	4423897	4348801	2.20	cps
Scandium	45-2	491680	483286	483980	486315	0.96	cps
Selenium	82-1	776	836	750	787	5.55	cps
Selenium	77-2	457	540	507	501	8.37	cps
Selenium	78-2	1180	1060	1093	1111	5.58	cps
Silicon	28-1	12845195	12937386	13827070	13203217	4.11	cps
Silver	107-1	8549	8569	8332	8484	1.55	cps
Silver	109-1	8332	8639	8346	8439	2.06	cps
Sodium	23-2	1457795	1442743	1450549	1450362	0.52	cps
Strontium	86-1	210115	213153	211572	211613	0.72	cps
Strontium	88-1	1863582	1836775	1817385	1839247	1.26	cps
Sulfur	34-1	209494	206751	204011	206752	1.33	cps
Terbium	159-1	8505004	8493475	8499897	8499459	0.07	cps
Terbium	159-2	6203207	6173502	6114655	6163788	0.73	cps
Thallium	203-1	3964	3864	3974	3934	1.55	cps
Thallium	205-1	8790	9040	8639	8823	2.29	cps
Tin	118-1	26264	26221	27133	26539	1.94	cps
Titanium	47-1	949606	955503	954108	953072	0.32	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01DUP	Instrumnet Name :	P7
Client Sample ID :	0804-SOILDUP	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:29:26	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	100884	104071	100145	101700	2.05	cps
Vanadium	51-2	489176	487263	487022	487821	0.24	cps
Yttrium	89-1	13589054	13526633	13261775	13459154	1.29	cps
Yttrium	89-2	4048145	4019258	4076462	4047955	0.71	cps
Zinc	66-2	759547	750274	756392	755404	0.62	cps
Zirconium	90-1	254925	253183	256381	254829	0.63	cps
Zirconium	91-1	56190	57907	58336	57478	1.98	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01LX5	Instrumnet Name :	P7
Client Sample ID :	0804-SOILL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 14:32:33	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2256938	2208703	2201690	2222444	1.35	cps
Antimony	121-1	1660	1710	1767	1712	3.12	cps
Arsenic	75-2	3847	4104	3794	3915	4.23	cps
Barium	135-1	144342	142989	142057	143129	0.80	cps
Barium	137-1	248902	248881	247336	248373	0.36	cps
Beryllium	9-1	513	511	479	501	3.80	cps
Bismuth	209-1	4628651	4508753	4645322	4594242	1.62	cps
Bismuth	209-2	4288167	4300571	4294473	4294404	0.14	cps
Bromine	81-1	22921	23345	23419	23228	1.16	cps
Bromine	81-2	2854	2960	2877	2897	1.94	cps
Cadmium	108-1	183	173	147	168	11.30	cps
Cadmium	106-1	3020	2960	3080	3020	1.99	cps
Cadmium	111-1	3289	3248	3317	3285	1.06	cps
Calcium	43-1	63442	63917	63620	63660	0.38	cps
Calcium	44-1	1041871	1025874	1037054	1034933	0.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	93827	94662	94632	94374	0.50	cps
Cobalt	59-2	48207	46629	46997	47278	1.75	cps
Copper	63-2	238023	237327	232478	235943	1.28	cps
Dysprosium	156-1	18376	17995	17885	18085	1.42	cps
Dysprosium	156-2	17741	17765	17925	17810	0.56	cps
Erbium	164-1	17274	17665	17878	17606	1.74	cps
Erbium	164-2	14137	13403	13877	13806	2.70	cps
Gadolinium	160-1	18789	19300	19330	19140	1.59	cps
Gadolinium	160-2	15949	16083	15996	16009	0.42	cps
Holmium	165-1	7590486	7499765	7388361	7492871	1.35	cps
Holmium	165-2	5843248	5740708	5663065	5749007	1.57	cps
Indium	115-1	6577469	6444330	6587232	6536344	1.22	cps
Indium	115-2	2739668	2696761	2720000	2718810	0.79	cps
Iron	56-2	73639171	72451794	71521842	72537602	1.46	cps
Iron	57-2	1788837	1775286	1749227	1771117	1.14	cps
Iron	54-2	3972951	4004092	3891242	3956095	1.47	cps
Krypton	83-1	570	513	630	571	10.22	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01LX5	Instrumnet Name :	P7
Client Sample ID :	0804-SOILL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 14:32:33	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1538506	1513718	1518165	1523463	0.87	cps
Lead	207-1	1302027	1298902	1312372	1304434	0.54	cps
Lead	208-1	6142812	6221663	6188110	6184195	0.64	cps
Lithium	6-1	691707	699159	697326	696064	0.56	cps
Magnesium	24-2	1226793	1211094	1185090	1207659	1.74	cps
Manganese	55-2	1510904	1521397	1488250	1506850	1.12	cps
Molybdenum	94-1	19463	19567	19757	19595	0.76	cps
Molybdenum	95-1	4294	4141	4444	4293	3.53	cps
Molybdenum	96-1	7989	8249	7909	8049	2.21	cps
Molybdenum	97-1	2700	2807	2604	2704	3.76	cps
Molybdenum	98-1	7018	6652	6662	6777	3.08	cps
Neodymium	150-1	28659	28957	29718	29111	1.88	cps
Neodymium	150-2	19867	19530	19293	19564	1.47	cps
Nickel	60-2	27756	27849	27812	27806	0.17	cps
Phosphorus	31-2	17130	17667	16829	17209	2.47	cps
Potassium	39-2	604828	601433	607070	604444	0.47	cps
Rhodium	103-1	6525477	6592516	6658134	6592042	1.01	cps
Rhodium	103-2	4290437	4189062	4173412	4217637	1.51	cps
Scandium	45-1	4076869	3937738	3921860	3978822	2.14	cps
Scandium	45-2	450885	455528	445019	450477	1.17	cps
Selenium	82-1	198	282	131	203	37.25	cps
Selenium	77-2	107	83	97	96	12.25	cps
Selenium	78-2	577	663	637	626	7.10	cps
Silicon	28-1	1327859	1285548	1290584	1301330	1.78	cps
Silver	107-1	1657	1707	1710	1691	1.77	cps
Silver	109-1	1763	1750	1613	1709	4.86	cps
Sodium	23-2	330615	329323	328103	329347	0.38	cps
Strontium	86-1	43701	43060	43591	43451	0.79	cps
Strontium	88-1	363332	359885	362090	361769	0.48	cps
Sulfur	34-1	134475	133732	137398	135202	1.43	cps
Terbium	159-1	7747860	7882322	7853011	7827731	0.90	cps
Terbium	159-2	5809886	5744504	5789644	5781344	0.58	cps
Thallium	203-1	957	927	973	952	2.48	cps
Thallium	205-1	2344	2454	2410	2402	2.31	cps
Tin	118-1	9547	9183	9403	9378	1.95	cps
Titanium	47-1	168502	165435	166304	166747	0.95	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01LX5	Instrumnet Name :	P7
Client Sample ID :	0804-SOILL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 14:32:33	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18753	19144	18546	18815	1.61	cps
Vanadium	51-2	95038	96483	97248	96257	1.17	cps
Yttrium	89-1	11573751	11617278	11597748	11596259	0.19	cps
Yttrium	89-2	3523319	3513668	3501702	3512896	0.31	cps
Zinc	66-2	147718	142033	144358	144703	1.98	cps
Zirconium	90-1	47718	47564	47450	47577	0.28	cps
Zirconium	91-1	10764	10420	10541	10575	1.65	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MS	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:35:48	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13683584	13420948	13405763	13503432	1.16	cps
Antimony	121-1	2848745	2819727	2823280	2830584	0.56	cps
Arsenic	75-2	231641	226016	225221	227626	1.54	cps
Barium	135-1	3794997	3873561	3908845	3859135	1.51	cps
Barium	137-1	6719303	6639062	6614538	6657634	0.82	cps
Beryllium	9-1	352279	351066	346859	350068	0.81	cps
Bismuth	209-1	4824117	4857063	4649109	4776763	2.34	cps
Bismuth	209-2	4485922	4301049	4384131	4390368	2.11	cps
Bromine	81-1	39824	47587	53487	46966	14.59	cps
Bromine	81-2	10571	10591	11428	10863	4.50	cps
Cadmium	108-1	55225	55389	54492	55035	0.87	cps
Cadmium	106-1	81759	80573	80218	80850	1.00	cps
Cadmium	111-1	776088	785072	779812	780324	0.58	cps
Calcium	43-1	1122507	1137656	1131866	1130676	0.68	cps
Calcium	44-1	17527643	17629061	17731343	17629349	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2068501	1979849	2009122	2019157	2.24	cps
Cobalt	59-2	2684270	2640727	2620799	2648599	1.23	cps
Copper	63-2	18318408	18428423	18119636	18288823	0.86	cps
Dysprosium	156-1	97252	97074	98067	97464	0.54	cps
Dysprosium	156-2	93714	92140	91849	92568	1.08	cps
Erbium	164-1	97569	100600	100151	99440	1.65	cps
Erbium	164-2	77521	77343	76415	77093	0.77	cps
Gadolinium	160-1	102963	104615	103628	103735	0.80	cps
Gadolinium	160-2	83772	82713	82378	82954	0.88	cps
Holmium	165-1	7917131	8086505	8060160	8021265	1.14	cps
Holmium	165-2	6214042	5985134	5874416	6024531	2.88	cps
Indium	115-1	6976644	6775379	6695483	6815835	2.13	cps
Indium	115-2	2828228	2771969	2743933	2781377	1.54	cps
Iron	56-2	397606874	388952301	381214128	389257768	2.11	cps
Iron	57-2	9718014	9627390	9341166	9562190	2.06	cps
Iron	54-2	21846613	21397662	21344462	21529579	1.28	cps
Krypton	83-1	743	703	777	741	4.95	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MS	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:35:48	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16874803	17634222	17486766	17331930	2.32	cps
Lead	207-1	14867395	15068061	15135769	15023742	0.93	cps
Lead	208-1	68057037	68471312	68877818	68468722	0.60	cps
Lithium	6-1	736542	735377	717670	729863	1.45	cps
Magnesium	24-2	22116675	21516789	21789880	21807781	1.38	cps
Manganese	55-2	19781335	19447817	19117882	19449011	1.71	cps
Molybdenum	94-1	4956130	5166807	4955395	5026111	2.42	cps
Molybdenum	95-1	5507712	5588072	5592792	5562859	0.86	cps
Molybdenum	96-1	6184304	6286157	6103065	6191175	1.48	cps
Molybdenum	97-1	3336428	3497545	3487337	3440437	2.62	cps
Molybdenum	98-1	8656544	9005799	8745090	8802478	2.06	cps
Neodymium	150-1	161970	161864	160872	161569	0.37	cps
Neodymium	150-2	107681	105565	105411	106219	1.19	cps
Nickel	60-2	772927	756408	752777	760704	1.41	cps
Phosphorus	31-2	89205	87932	88693	88610	0.72	cps
Potassium	39-2	10970037	10739307	11158631	10955992	1.92	cps
Rhodium	103-1	6721665	6902571	6885992	6836742	1.46	cps
Rhodium	103-2	4446517	4289700	4280787	4339001	2.15	cps
Scandium	45-1	4434394	4482112	4383019	4433175	1.12	cps
Scandium	45-2	484184	475114	480607	479968	0.95	cps
Selenium	82-1	58971	60369	58926	59422	1.38	cps
Selenium	77-2	7685	7836	7909	7810	1.46	cps
Selenium	78-2	25509	25085	25749	25448	1.32	cps
Silicon	28-1	7951911	7989228	7712922	7884687	1.90	cps
Silver	107-1	693135	710854	712836	705609	1.54	cps
Silver	109-1	666690	661944	658349	662328	0.63	cps
Sodium	23-2	23755264	23200320	23777767	23577784	1.39	cps
Strontium	86-1	1332487	1337870	1337967	1336108	0.23	cps
Strontium	88-1	11783632	11869235	11821711	11824859	0.36	cps
Sulfur	34-1	203771	203883	202120	203258	0.49	cps
Terbium	159-1	8439416	8259270	8213454	8304047	1.44	cps
Terbium	159-2	6331022	5953717	5946169	6076969	3.62	cps
Thallium	203-1	2486637	2551281	2523349	2520423	1.29	cps
Thallium	205-1	5838775	6043883	5976282	5952980	1.76	cps
Tin	118-1	2130890	2160552	2126398	2139280	0.87	cps
Titanium	47-1	891071	901784	910578	901144	1.08	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MS	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMS	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:35:48	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7922411	7853990	7931107	7902503	0.53	cps
Vanadium	51-2	1875846	1834738	1860423	1857002	1.12	cps
Yttrium	89-1	13887543	13764398	13323282	13658408	2.17	cps
Yttrium	89-2	4097736	3945606	3944709	3996017	2.20	cps
Zinc	66-2	3863588	3819443	3796974	3826668	0.89	cps
Zirconium	90-1	5444694	5572764	5434634	5484031	1.40	cps
Zirconium	91-1	1181498	1212434	1197164	1197032	1.29	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MSD	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:38:34	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14104326	13951573	13947487	14001129	0.64	cps
Antimony	121-1	2803570	2778796	2811385	2797917	0.61	cps
Arsenic	75-2	230956	232464	228014	230478	0.98	cps
Barium	135-1	3870300	3945714	3881282	3899098	1.04	cps
Barium	137-1	6636132	6837794	6800041	6757989	1.59	cps
Beryllium	9-1	339575	340156	337629	339120	0.39	cps
Bismuth	209-1	4904993	4706967	4790756	4800905	2.07	cps
Bismuth	209-2	4414662	4363590	4344172	4374141	0.83	cps
Bromine	81-1	41977	49791	52014	47927	11.00	cps
Bromine	81-2	10641	10714	10801	10718	0.75	cps
Cadmium	108-1	54171	55376	53549	54365	1.71	cps
Cadmium	106-1	79507	79610	79533	79550	0.07	cps
Cadmium	111-1	760205	779640	766953	768932	1.28	cps
Calcium	43-1	1152206	1142939	1146149	1147098	0.41	cps
Calcium	44-1	18506216	18114268	18160952	18260479	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1991590	1997874	2016811	2002092	0.66	cps
Cobalt	59-2	2616800	2664358	2625851	2635670	0.96	cps
Copper	63-2	18488432	18114095	18220782	18274436	1.06	cps
Dysprosium	156-1	98282	101384	98755	99474	1.68	cps
Dysprosium	156-2	95274	94033	94204	94504	0.71	cps
Erbium	164-1	101171	102763	104112	102682	1.43	cps
Erbium	164-2	79022	80746	78835	79534	1.32	cps
Gadolinium	160-1	104148	104034	106327	104836	1.23	cps
Gadolinium	160-2	84651	83927	84795	84458	0.55	cps
Holmium	165-1	7973176	8324278	7861162	8052872	3.00	cps
Holmium	165-2	6208552	6070269	6072766	6117196	1.29	cps
Indium	115-1	6881056	6934802	6643079	6819646	2.28	cps
Indium	115-2	2775431	2777968	2822478	2791959	0.95	cps
Iron	56-2	425979247	420623314	424910327	423837629	0.67	cps
Iron	57-2	10545130	10428760	10507163	10493685	0.57	cps
Iron	54-2	23634946	23324770	23203218	23387645	0.95	cps
Krypton	83-1	663	680	677	673	1.31	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MSD	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:38:34	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18738895	19131859	18854182	18908312	1.07	cps
Lead	207-1	16319261	16331938	16575924	16409041	0.88	cps
Lead	208-1	75462869	74698624	75604725	75255406	0.65	cps
Lithium	6-1	736586	728001	690680	718422	3.40	cps
Magnesium	24-2	22780961	23246577	23039647	23022395	1.01	cps
Manganese	55-2	20223711	19841900	20257478	20107696	1.15	cps
Molybdenum	94-1	4926844	5012888	5037358	4992363	1.16	cps
Molybdenum	95-1	5481455	5619738	5576304	5559166	1.27	cps
Molybdenum	96-1	6148247	6181760	6045409	6125139	1.16	cps
Molybdenum	97-1	3369548	3385648	3352118	3369105	0.50	cps
Molybdenum	98-1	8597825	8728541	8784564	8703643	1.10	cps
Neodymium	150-1	160908	160110	161329	160782	0.39	cps
Neodymium	150-2	107517	105535	106107	106386	0.96	cps
Nickel	60-2	750709	751631	754354	752231	0.25	cps
Phosphorus	31-2	94199	93776	94192	94055	0.26	cps
Potassium	39-2	10910273	11002646	11062627	10991848	0.70	cps
Rhodium	103-1	6835497	6850042	6695014	6793517	1.26	cps
Rhodium	103-2	4379916	4309403	4384443	4357921	0.97	cps
Scandium	45-1	4534594	4326136	4342336	4401022	2.63	cps
Scandium	45-2	491781	482150	484071	486001	1.05	cps
Selenium	82-1	57975	59410	58929	58771	1.24	cps
Selenium	77-2	7762	7625	7725	7704	0.92	cps
Selenium	78-2	25806	24644	25589	25346	2.44	cps
Silicon	28-1	5575322	6763443	4938573	5759113	16.08	cps
Silver	107-1	678342	699362	686477	688061	1.54	cps
Silver	109-1	655580	662939	650747	656422	0.94	cps
Sodium	23-2	24155615	23818353	24053540	24009169	0.72	cps
Strontium	86-1	1351942	1351137	1358995	1354025	0.32	cps
Strontium	88-1	11953965	12013080	11835316	11934120	0.76	cps
Sulfur	34-1	214820	212595	209734	212383	1.20	cps
Terbium	159-1	8366374	8173534	8290477	8276795	1.17	cps
Terbium	159-2	6327042	6172281	6199827	6233050	1.32	cps
Thallium	203-1	2458305	2523060	2546689	2509352	1.82	cps
Thallium	205-1	5824673	5812707	5854534	5830638	0.37	cps
Tin	118-1	2159628	2152329	2169853	2160603	0.41	cps
Titanium	47-1	1030424	1013510	1035941	1026625	1.14	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01MSD	Instrumnet Name :	P7
Client Sample ID :	0804-SOILMSD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:38:34	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7301303	7841346	7595029	7579226	3.57	cps
Vanadium	51-2	1909683	1878286	1891500	1893156	0.83	cps
Yttrium	89-1	13929097	13974564	13517504	13807055	1.82	cps
Yttrium	89-2	4237477	4038380	3983834	4086564	3.27	cps
Zinc	66-2	4142740	4037245	4108195	4096060	1.31	cps
Zirconium	90-1	5310453	5346838	5326412	5327901	0.34	cps
Zirconium	91-1	1160022	1182419	1168911	1170451	0.96	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:41:26	DataFile Name :	034CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8874374	8837891	8776651	8829639	0.56	cps
Antimony	121-1	2965802	2982742	2940572	2963039	0.72	cps
Arsenic	75-2	207733	207526	205891	207050	0.49	cps
Barium	135-1	3605515	3614856	3583257	3601209	0.45	cps
Barium	137-1	6085280	6231206	6196936	6171140	1.24	cps
Beryllium	9-1	351828	356473	353305	353869	0.67	cps
Bismuth	209-1	4792234	4621700	4597433	4670456	2.27	cps
Bismuth	209-2	4209081	4240070	4132784	4193979	1.32	cps
Bromine	81-1	18715	17657	17597	17990	3.50	cps
Bromine	81-2	1343	1327	1170	1280	7.47	cps
Cadmium	108-1	56507	58176	56553	57079	1.67	cps
Cadmium	106-1	81454	81035	80757	81082	0.43	cps
Cadmium	111-1	786206	805572	795553	795777	1.22	cps
Calcium	43-1	4171676	4198138	4150981	4173598	0.57	cps
Calcium	44-1	66666101	67878177	65291647	66611975	1.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1657204	1644219	1631057	1644160	0.80	cps
Cobalt	59-2	2454972	2542830	2499240	2499014	1.76	cps
Copper	63-2	19133381	19229213	19124634	19162410	0.30	cps
Dysprosium	156-1	190	203	167	187	9.94	cps
Dysprosium	156-2	273	327	280	293	9.91	cps
Erbium	164-1	353	423	420	399	9.90	cps
Erbium	164-2	297	277	230	268	12.78	cps
Gadolinium	160-1	147	217	230	198	22.63	cps
Gadolinium	160-2	603	480	563	549	11.46	cps
Holmium	165-1	8050286	7914214	7584196	7849565	3.05	cps
Holmium	165-2	5919042	5973658	5837415	5910038	1.16	cps
Indium	115-1	6593236	6693117	6567175	6617843	1.00	cps
Indium	115-2	2788813	2740221	2722089	2750374	1.25	cps
Iron	56-2	385464781	386862781	385559901	385962488	0.20	cps
Iron	57-2	9652093	9646757	9508414	9602422	0.85	cps
Iron	54-2	21031273	21402804	21098560	21177545	0.93	cps
Krypton	83-1	493	520	480	498	4.09	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:41:26	DataFile Name :	034CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10752195	10614641	10397520	10588119	1.69	cps
Lead	207-1	9217048	9152888	8991322	9120419	1.28	cps
Lead	208-1	42416729	42071402	41511609	41999913	1.09	cps
Lithium	6-1	699475	694116	688206	693932	0.81	cps
Magnesium	24-2	75988424	76843946	77839912	76890761	1.21	cps
Manganese	55-2	14166305	14069319	13963467	14066364	0.72	cps
Molybdenum	94-1	10935611	11194036	11071198	11066948	1.17	cps
Molybdenum	95-1	15978217	16360055	16147919	16162064	1.18	cps
Molybdenum	96-1	17565599	17566945	17350701	17494415	0.71	cps
Molybdenum	97-1	9835761	10140334	9746118	9907404	2.09	cps
Molybdenum	98-1	25765604	26291507	25685239	25914117	1.27	cps
Neodymium	150-1	197	183	117	166	25.89	cps
Neodymium	150-2	77	67	43	62	27.50	cps
Nickel	60-2	629691	629633	621312	626879	0.77	cps
Phosphorus	31-2	100102	99996	99640	99913	0.24	cps
Potassium	39-2	46587969	46930053	46851676	46789899	0.38	cps
Rhodium	103-1	6569988	6634045	6551917	6585317	0.66	cps
Rhodium	103-2	4118654	4241381	4265768	4208601	1.87	cps
Scandium	45-1	4113922	4082614	4057067	4084534	0.70	cps
Scandium	45-2	453018	456801	455184	455001	0.42	cps
Selenium	82-1	58313	58572	57966	58284	0.52	cps
Selenium	77-2	7585	7415	7362	7454	1.57	cps
Selenium	78-2	24624	25248	24744	24872	1.33	cps
Silicon	28-1	8007679	8089657	8148905	8082080	0.88	cps
Silver	107-1	4002721	3963641	3974493	3980285	0.51	cps
Silver	109-1	3876254	3814826	3759091	3816724	1.54	cps
Sodium	23-2	115607028	119474282	118099795	117727035	1.67	cps
Strontium	86-1	1027099	1037651	1033007	1032586	0.51	cps
Strontium	88-1	8970364	9215866	9168041	9118090	1.43	cps
Sulfur	34-1	378642	379307	378345	378765	0.13	cps
Terbium	159-1	8330716	8175825	8110162	8205568	1.38	cps
Terbium	159-2	6070623	5991609	5923449	5995227	1.23	cps
Thallium	203-1	2672951	2719900	2614134	2668995	1.99	cps
Thallium	205-1	6320929	6359612	6268248	6316263	0.73	cps
Tin	118-1	2496373	2522680	2481260	2500105	0.84	cps
Titanium	47-1	4122817	4095090	4065763	4094557	0.70	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:41:26	DataFile Name :	034CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8360399	8157050	8109354	8208934	1.62	cps
Vanadium	51-2	1429404	1426862	1404122	1420130	0.98	cps
Yttrium	89-1	12061573	11762611	11846321	11890168	1.30	cps
Yttrium	89-2	3473532	3623902	3549255	3548896	2.12	cps
Zinc	66-2	3434727	3426331	3399923	3420327	0.53	cps
Zirconium	90-1	5457776	5529661	5551181	5512873	0.89	cps
Zirconium	91-1	1199912	1212669	1212554	1208378	0.61	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:44:12	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1607	1573	1753	1645	5.82	cps
Antimony	121-1	723	783	857	788	8.48	cps
Arsenic	75-2	17	7	10	11	45.82	cps
Barium	135-1	163	160	123	149	14.91	cps
Barium	137-1	287	313	290	297	4.90	cps
Beryllium	9-1	17	7	14	13	40.84	cps
Bismuth	209-1	4557953	4590669	4580097	4576240	0.36	cps
Bismuth	209-2	4162670	4239737	4243317	4215242	1.08	cps
Bromine	81-1	13506	13610	13403	13506	0.77	cps
Bromine	81-2	767	627	637	677	11.54	cps
Cadmium	108-1	13	10	17	13	25.01	cps
Cadmium	106-1	2820	2810	2870	2834	1.13	cps
Cadmium	111-1	2052	2037	2064	2051	0.67	cps
Calcium	43-1	527	553	500	527	5.06	cps
Calcium	44-1	36474	36317	36046	36279	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2680	2650	2784	2705	2.59	cps
Cobalt	59-2	113	100	130	114	13.13	cps
Copper	63-2	2100	2177	2060	2112	2.81	cps
Dysprosium	156-1	3	7	0	3	100.05	cps
Dysprosium	156-2	13	10	10	11	17.30	cps
Erbium	164-1	67	40	67	58	26.65	cps
Erbium	164-2	37	50	33	40	22.05	cps
Gadolinium	160-1	53	47	33	44	22.92	cps
Gadolinium	160-2	350	423	410	394	9.90	cps
Holmium	165-1	7547023	7497649	7546050	7530241	0.37	cps
Holmium	165-2	5641085	5642629	5641390	5641701	0.01	cps
Indium	115-1	6614732	6711223	6296604	6540853	3.32	cps
Indium	115-2	2728214	2744197	2680881	2717764	1.21	cps
Iron	56-2	34776	30146	32538	32486	7.13	cps
Iron	57-2	2094	4086	1977	2719	43.60	cps
Iron	54-2	3257	3387	3280	3308	2.10	cps
Krypton	83-1	510	490	480	493	3.10	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:44:12	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	967	1030	940	979	4.72	cps
Lead	207-1	743	717	813	758	6.59	cps
Lead	208-1	3550	3714	3720	3661	2.63	cps
Lithium	6-1	666529	677057	668547	670711	0.83	cps
Magnesium	24-2	1687	1747	1757	1730	2.19	cps
Manganese	55-2	1209	1245	1233	1229	1.50	cps
Molybdenum	94-1	750	740	653	714	7.44	cps
Molybdenum	95-1	853	787	723	788	8.25	cps
Molybdenum	96-1	1007	920	757	894	14.19	cps
Molybdenum	97-1	500	480	480	487	2.37	cps
Molybdenum	98-1	1493	1223	1173	1297	13.28	cps
Neodymium	150-1	7	20	7	11	69.25	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	647	627	590	621	4.63	cps
Phosphorus	31-2	710	813	770	764	6.79	cps
Potassium	39-2	93515	91721	91674	92303	1.14	cps
Rhodium	103-1	6603008	6567251	6506861	6559040	0.74	cps
Rhodium	103-2	4230520	4205835	4226590	4220982	0.31	cps
Scandium	45-1	3951023	3924677	3961435	3945712	0.48	cps
Scandium	45-2	429890	437998	437344	435077	1.04	cps
Selenium	82-1	113	137	176	142	22.06	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	610	473	557	547	12.60	cps
Silicon	28-1	570402	566782	573798	570327	0.62	cps
Silver	107-1	467	367	383	406	13.21	cps
Silver	109-1	403	330	320	351	12.96	cps
Sodium	23-2	65813	64069	64153	64678	1.52	cps
Strontium	86-1	820	863	963	882	8.33	cps
Strontium	88-1	907	910	860	892	3.13	cps
Sulfur	34-1	150798	154114	152653	152522	1.09	cps
Terbium	159-1	7835623	7712014	7724952	7757530	0.88	cps
Terbium	159-2	5725783	5697430	5762586	5728600	0.57	cps
Thallium	203-1	977	933	893	934	4.46	cps
Thallium	205-1	2387	2217	2240	2281	4.04	cps
Tin	118-1	2064	2017	2240	2107	5.59	cps
Titanium	47-1	150	140	133	141	5.94	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:44:12	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	143	107	123	124	14.75	cps
Vanadium	51-2	37	27	37	33	17.32	cps
Yttrium	89-1	11547424	11439847	11351539	11446270	0.86	cps
Yttrium	89-2	3404102	3474103	3445102	3441102	1.02	cps
Zinc	66-2	4477	4431	4051	4320	5.42	cps
Zirconium	90-1	727	683	787	732	7.09	cps
Zirconium	91-1	150	100	143	131	20.71	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01A	Instrumnet Name :	P7
Client Sample ID :	0804-SOILA	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:50:45	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13685082	13862661	13687724	13745156	0.74	cps
Antimony	121-1	2784789	2815684	2868000	2822824	1.49	cps
Arsenic	75-2	226405	223121	223296	224274	0.82	cps
Barium	135-1	3868347	4007437	4008009	3961264	2.03	cps
Barium	137-1	6595192	6850488	6773638	6739773	1.94	cps
Beryllium	9-1	345912	355120	343270	348101	1.79	cps
Bismuth	209-1	4756187	4980415	4860185	4865596	2.31	cps
Bismuth	209-2	4490127	4442862	4448544	4460511	0.58	cps
Bromine	81-1	35687	44995	50232	43638	16.88	cps
Bromine	81-2	10287	10594	11064	10648	3.68	cps
Cadmium	108-1	53713	54780	53274	53922	1.44	cps
Cadmium	106-1	79962	82506	79802	80757	1.88	cps
Cadmium	111-1	772004	774282	781604	775963	0.65	cps
Calcium	43-1	1122871	1129781	1132388	1128347	0.44	cps
Calcium	44-1	17655550	17491117	17724076	17623581	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2065057	2034945	2036318	2045440	0.83	cps
Cobalt	59-2	2753155	2749880	2676486	2726507	1.59	cps
Copper	63-2	17970382	18073253	18215223	18086286	0.68	cps
Dysprosium	156-1	98832	99554	101688	100025	1.48	cps
Dysprosium	156-2	94687	93838	92866	93797	0.97	cps
Erbium	164-1	100631	102299	101007	101312	0.86	cps
Erbium	164-2	78231	79287	76988	78169	1.47	cps
Gadolinium	160-1	103685	106593	107046	105775	1.72	cps
Gadolinium	160-2	84936	86744	83635	85105	1.83	cps
Holmium	165-1	7966008	8045234	8098687	8036643	0.83	cps
Holmium	165-2	6223326	5991882	6155099	6123436	1.94	cps
Indium	115-1	6723776	6777187	6806466	6769143	0.62	cps
Indium	115-2	2824380	2810498	2800005	2811628	0.43	cps
Iron	56-2	396295447	396237367	393834701	395455839	0.36	cps
Iron	57-2	9812073	9878101	9629338	9773171	1.32	cps
Iron	54-2	22048049	21905061	22029884	21994331	0.35	cps
Krypton	83-1	627	743	720	697	8.86	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01A	Instrumnet Name :	P7
Client Sample ID :	0804-SOILA	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:50:45	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17227158	17767076	18065517	17686584	2.40	cps
Lead	207-1	14924273	15298258	15594000	15272177	2.20	cps
Lead	208-1	68357873	70328677	70537456	69741335	1.72	cps
Lithium	6-1	726501	718380	721446	722109	0.57	cps
Magnesium	24-2	21970952	22017150	21725971	21904691	0.71	cps
Manganese	55-2	19874166	19636699	19569083	19693316	0.81	cps
Molybdenum	94-1	5020821	5054514	5040900	5038745	0.34	cps
Molybdenum	95-1	5482980	5531789	5555128	5523299	0.67	cps
Molybdenum	96-1	6141633	6187980	6206723	6178779	0.54	cps
Molybdenum	97-1	3316061	3392147	3349525	3352578	1.14	cps
Molybdenum	98-1	8584941	8680784	8744597	8670107	0.93	cps
Neodymium	150-1	161621	165399	164099	163706	1.17	cps
Neodymium	150-2	109112	109468	109143	109241	0.18	cps
Nickel	60-2	772514	770974	760916	768135	0.82	cps
Phosphorus	31-2	91841	88955	88944	89913	1.86	cps
Potassium	39-2	11085761	11404047	11074572	11188126	1.67	cps
Rhodium	103-1	6740842	6872710	6792652	6802068	0.98	cps
Rhodium	103-2	4373390	4319000	4384899	4359096	0.81	cps
Scandium	45-1	4349049	4272196	4349665	4323637	1.03	cps
Scandium	45-2	488877	480267	490764	486636	1.15	cps
Selenium	82-1	57957	58212	58596	58255	0.55	cps
Selenium	77-2	7986	8059	7956	8000	0.66	cps
Selenium	78-2	26367	26160	25148	25892	2.52	cps
Silicon	28-1	7838736	8238856	19954991	12010861	57.30	cps
Silver	107-1	683774	701376	696373	693841	1.31	cps
Silver	109-1	650596	670154	655422	658724	1.55	cps
Sodium	23-2	23947071	23757523	23753345	23819313	0.46	cps
Strontium	86-1	1312675	1335682	1341832	1330063	1.16	cps
Strontium	88-1	11759459	11789436	11799753	11782883	0.18	cps
Sulfur	34-1	215188	214244	212091	213841	0.74	cps
Terbium	159-1	8100679	8328181	8372195	8267018	1.76	cps
Terbium	159-2	6255407	6250131	6277320	6260953	0.23	cps
Thallium	203-1	2496532	2584956	2587443	2556310	2.03	cps
Thallium	205-1	5941727	6046670	6078144	6022180	1.19	cps
Tin	118-1	2119335	2126171	2133009	2126172	0.32	cps
Titanium	47-1	881949	902273	899078	894433	1.22	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-01A	Instrumnet Name :	P7
Client Sample ID :	0804-SOILA	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:50:45	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7933882	7930778	7795294	7886651	1.00	cps
Vanadium	51-2	1870460	1891090	1851084	1870878	1.07	cps
Yttrium	89-1	13326852	13352952	13560166	13413323	0.95	cps
Yttrium	89-2	4132883	4035527	4056280	4074897	1.26	cps
Zinc	66-2	3856449	3863124	3730085	3816553	1.96	cps
Zirconium	90-1	5348123	5427819	5383335	5386426	0.74	cps
Zirconium	91-1	1173298	1197560	1195848	1188902	1.14	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-02	Instrumnet Name :	P7
Client Sample ID :	0804-D	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:53:34	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	359960	358745	353670	357458	0.93	cps
Antimony	121-1	2974	3210	3414	3199	6.88	cps
Arsenic	75-2	687	743	733	721	4.19	cps
Barium	135-1	42604	43242	42433	42760	1.00	cps
Barium	137-1	74388	73268	71419	73025	2.05	cps
Beryllium	9-1	137	110	130	126	11.15	cps
Bismuth	209-1	4706592	4769049	4716707	4730783	0.71	cps
Bismuth	209-2	4376597	4384714	4252911	4338074	1.70	cps
Bromine	81-1	17978	17507	17183	17556	2.28	cps
Bromine	81-2	1413	1393	1433	1413	1.42	cps
Cadmium	108-1	83	67	83	78	12.37	cps
Cadmium	106-1	3020	3017	3060	3033	0.80	cps
Cadmium	111-1	2683	2629	2661	2657	1.02	cps
Calcium	43-1	1179852	1191994	1190208	1187351	0.55	cps
Calcium	44-1	19067473	18944835	19107241	19039850	0.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45736	45699	45331	45589	0.49	cps
Cobalt	59-2	14904	15048	14187	14713	3.13	cps
Copper	63-2	52826	53981	53469	53425	1.08	cps
Dysprosium	156-1	3184	3420	3104	3236	5.09	cps
Dysprosium	156-2	3380	3277	3147	3268	3.58	cps
Erbium	164-1	3450	3447	3517	3472	1.14	cps
Erbium	164-2	2757	2454	2670	2627	5.95	cps
Gadolinium	160-1	3457	3317	3417	3397	2.12	cps
Gadolinium	160-2	3284	3077	3004	3121	4.65	cps
Holmium	165-1	7632139	7831881	7646322	7703447	1.45	cps
Holmium	165-2	5877847	5931662	5853294	5887601	0.68	cps
Indium	115-1	6890527	6916715	6763636	6856959	1.19	cps
Indium	115-2	2774607	2826990	2839072	2813556	1.22	cps
Iron	56-2	17939323	17666669	17290066	17632019	1.85	cps
Iron	57-2	485699	481264	485216	484060	0.50	cps
Iron	54-2	1011063	1003386	1007136	1007195	0.38	cps
Krypton	83-1	497	463	513	491	5.18	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-02	Instrumnet Name :	P7
Client Sample ID :	0804-D	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:53:34	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	252762	257690	250701	253717	1.42	cps
Lead	207-1	217441	209346	204148	210312	3.19	cps
Lead	208-1	981438	984087	976336	980621	0.40	cps
Lithium	6-1	695021	696598	683815	691811	1.01	cps
Magnesium	24-2	581367	576995	578467	578943	0.38	cps
Manganese	55-2	476104	470627	472332	473021	0.59	cps
Molybdenum	94-1	10694	10591	10647	10644	0.49	cps
Molybdenum	95-1	3164	3004	3040	3069	2.73	cps
Molybdenum	96-1	4724	4918	4731	4791	2.29	cps
Molybdenum	97-1	1937	1843	1943	1908	2.93	cps
Molybdenum	98-1	5111	4784	4861	4919	3.47	cps
Neodymium	150-1	5351	5398	5461	5403	1.02	cps
Neodymium	150-2	3754	3557	3527	3613	3.41	cps
Nickel	60-2	10617	10390	10157	10388	2.22	cps
Phosphorus	31-2	6138	6135	5901	6058	2.24	cps
Potassium	39-2	351334	349294	352197	350942	0.42	cps
Rhodium	103-1	7034247	6825373	6670135	6843252	2.67	cps
Rhodium	103-2	4399040	4350493	4380530	4376688	0.56	cps
Scandium	45-1	4204732	4166811	4112843	4161462	1.11	cps
Scandium	45-2	455965	456630	448532	453709	0.99	cps
Selenium	82-1	213	218	157	196	17.31	cps
Selenium	77-2	23	20	20	21	9.11	cps
Selenium	78-2	647	543	570	587	9.14	cps
Silicon	28-1	3375436	3346572	3267033	3329680	1.69	cps
Silver	107-1	913	1013	900	942	6.57	cps
Silver	109-1	980	787	873	880	11.00	cps
Sodium	23-2	998703	994553	979111	990789	1.04	cps
Strontium	86-1	90678	87837	88364	88959	1.70	cps
Strontium	88-1	750985	765281	759429	758565	0.95	cps
Sulfur	34-1	164980	171774	171959	169571	2.35	cps
Terbium	159-1	8329928	7856879	7852166	8012991	3.43	cps
Terbium	159-2	5906493	5864639	5834596	5868576	0.62	cps
Thallium	203-1	1470	1217	1147	1278	13.31	cps
Thallium	205-1	3430	2947	2797	3058	10.83	cps
Tin	118-1	170274	168273	165884	168144	1.31	cps
Titanium	47-1	64407	64235	64404	64349	0.15	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-02	Instrumnet Name :	P7
Client Sample ID :	0804-D	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:53:34	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4494	4434	4574	4501	1.56	cps
Vanadium	51-2	19032	19152	19206	19130	0.46	cps
Yttrium	89-1	11993479	12173975	12147598	12105018	0.81	cps
Yttrium	89-2	3576936	3634009	3584679	3598541	0.86	cps
Zinc	66-2	60449	59314	59910	59891	0.95	cps
Zirconium	90-1	24988	24571	24330	24630	1.35	cps
Zirconium	91-1	5541	5631	5301	5491	3.11	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03	Instrumnet Name :	P7
Client Sample ID :	0804-E	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:56:49	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3750247	3672584	3824833	3749221	2.03	cps
Antimony	121-1	5438	5274	5208	5307	2.23	cps
Arsenic	75-2	4087	4304	4237	4210	2.64	cps
Barium	135-1	732888	722780	724709	726792	0.74	cps
Barium	137-1	1271070	1244219	1255461	1256917	1.07	cps
Beryllium	9-1	5743	6023	5857	5874	2.40	cps
Bismuth	209-1	5169950	5101313	4875773	5049012	3.05	cps
Bismuth	209-2	4697372	4606257	4601533	4635054	1.17	cps
Bromine	81-1	34334	42211	46898	41147	15.43	cps
Bromine	81-2	9163	9360	9093	9205	1.50	cps
Cadmium	108-1	1723	1970	1823	1839	6.75	cps
Cadmium	106-1	6198	6085	5931	6071	2.21	cps
Cadmium	111-1	27556	27652	27163	27457	0.94	cps
Calcium	43-1	1779598	1728929	1734170	1747566	1.59	cps
Calcium	44-1	28293598	28152335	27559290	28001741	1.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	237669	233190	237966	236275	1.13	cps
Cobalt	59-2	353769	355723	353738	354410	0.32	cps
Copper	63-2	327063	329155	328623	328280	0.33	cps
Dysprosium	156-1	78981	78509	78488	78659	0.35	cps
Dysprosium	156-2	74426	74999	74510	74645	0.41	cps
Erbium	164-1	90954	91881	91068	91301	0.55	cps
Erbium	164-2	71257	71783	71744	71595	0.41	cps
Gadolinium	160-1	83370	84279	84728	84126	0.82	cps
Gadolinium	160-2	68885	69039	68523	68816	0.39	cps
Holmium	165-1	8446567	8233519	8287048	8322378	1.33	cps
Holmium	165-2	6471298	6390680	6414509	6425495	0.64	cps
Indium	115-1	7474709	7260801	7176248	7303919	2.11	cps
Indium	115-2	3042558	2989042	3020220	3017274	0.89	cps
Iron	56-2	130821461	131477328	130458941	130919244	0.39	cps
Iron	57-2	3225752	3294878	3258322	3259650	1.06	cps
Iron	54-2	7147311	7087889	7233127	7156109	1.02	cps
Krypton	83-1	653	780	670	701	9.82	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03	Instrumnet Name :	P7
Client Sample ID :	0804-E	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:56:49	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	643041	638647	648943	643544	0.80	cps
Lead	207-1	544680	530373	536158	537070	1.34	cps
Lead	208-1	2519152	2494393	2487297	2500281	0.67	cps
Lithium	6-1	744139	739285	716623	733349	2.00	cps
Magnesium	24-2	15842390	15950814	15762868	15852024	0.60	cps
Manganese	55-2	3712052	3746559	3759504	3739372	0.66	cps
Molybdenum	94-1	96499	95691	96858	96349	0.62	cps
Molybdenum	95-1	86548	87520	89392	87820	1.65	cps
Molybdenum	96-1	100859	103363	102762	102328	1.28	cps
Molybdenum	97-1	53896	53983	55405	54428	1.56	cps
Molybdenum	98-1	137444	139786	142532	139921	1.82	cps
Neodymium	150-1	117776	116265	115594	116545	0.96	cps
Neodymium	150-2	79372	78270	78963	78868	0.71	cps
Nickel	60-2	82975	81738	82070	82261	0.78	cps
Phosphorus	31-2	192755	188220	192434	191137	1.32	cps
Potassium	39-2	10499100	10370703	10681998	10517267	1.49	cps
Rhodium	103-1	7251050	7162799	7080109	7164653	1.19	cps
Rhodium	103-2	4626143	4516223	4556226	4566197	1.22	cps
Scandium	45-1	4556666	4499979	4372704	4476450	2.10	cps
Scandium	45-2	506078	495878	502848	501601	1.04	cps
Selenium	82-1	754	683	823	753	9.27	cps
Selenium	77-2	410	390	410	403	2.86	cps
Selenium	78-2	1090	1107	1077	1091	1.38	cps
Silicon	28-1	262933589	260473196	259596496	261001094	0.66	cps
Silver	107-1	1213	1273	1303	1263	3.63	cps
Silver	109-1	1130	1133	1093	1119	1.98	cps
Sodium	23-2	63943809	63877297	63422744	63747950	0.44	cps
Strontium	86-1	814298	795851	800672	803607	1.19	cps
Strontium	88-1	7090792	6868977	7185185	7048318	2.30	cps
Sulfur	34-1	1065195	1044299	1051918	1053804	1.00	cps
Terbium	159-1	8838165	8647109	8680344	8721873	1.17	cps
Terbium	159-2	6540799	6441976	6534715	6505830	0.85	cps
Thallium	203-1	4187	4337	3991	4172	4.17	cps
Thallium	205-1	10047	9814	9967	9943	1.19	cps
Tin	118-1	23422	18869	19196	20496	12.39	cps
Titanium	47-1	160759	160334	159486	160193	0.40	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03	Instrumnet Name :	P7
Client Sample ID :	0804-E	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 14:56:49	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	120769	121880	116280	119643	2.48	cps
Vanadium	51-2	1193282	1188999	1209372	1197218	0.90	cps
Yttrium	89-1	14521169	14541563	14533249	14531994	0.07	cps
Yttrium	89-2	4435367	4395410	4385075	4405284	0.60	cps
Zinc	66-2	320258	323239	326811	323436	1.01	cps
Zirconium	90-1	126990	125902	130867	127920	2.04	cps
Zirconium	91-1	29326	28852	28992	29057	0.84	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:00:01	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8569	8823	8606	8666	1.58	cps
Antimony	121-1	1457	1273	1560	1430	10.15	cps
Arsenic	75-2	343	280	313	312	10.15	cps
Barium	135-1	666101	658394	659400	661298	0.63	cps
Barium	137-1	1152127	1144718	1137866	1144904	0.62	cps
Beryllium	9-1	44	51	61	52	16.18	cps
Bismuth	209-1	5150512	5093675	5164019	5136069	0.73	cps
Bismuth	209-2	4832151	4787946	4745948	4788682	0.90	cps
Bromine	81-1	38277	45734	50586	44866	13.82	cps
Bromine	81-2	9603	9340	9583	9509	1.54	cps
Cadmium	108-1	27	23	40	30	29.40	cps
Cadmium	106-1	3247	3044	3124	3138	3.27	cps
Cadmium	111-1	2331	2168	2209	2236	3.80	cps
Calcium	43-1	549424	539367	538146	542312	1.14	cps
Calcium	44-1	8566544	8577999	8457494	8534012	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3841	3874	4064	3926	3.07	cps
Cobalt	59-2	45078	45546	45636	45420	0.66	cps
Copper	63-2	2587	2627	2737	2650	2.93	cps
Dysprosium	156-1	33	43	47	41	16.89	cps
Dysprosium	156-2	53	47	33	44	22.92	cps
Erbium	164-1	87	90	73	83	10.59	cps
Erbium	164-2	83	43	63	63	31.58	cps
Gadolinium	160-1	87	103	100	97	9.12	cps
Gadolinium	160-2	503	470	533	502	6.31	cps
Holmium	165-1	8482844	8590322	8470301	8514489	0.77	cps
Holmium	165-2	6428101	6425470	6461289	6438287	0.31	cps
Indium	115-1	7681794	7459598	7441306	7527566	1.78	cps
Indium	115-2	3101256	3089261	3071660	3087393	0.48	cps
Iron	56-2	23654658	23642482	23516437	23604526	0.32	cps
Iron	57-2	612330	611201	620883	614804	0.86	cps
Iron	54-2	1321108	1342372	1338198	1333893	0.84	cps
Krypton	83-1	453	520	420	464	10.96	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:00:01	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3751	3704	3677	3711	1.00	cps
Lead	207-1	3047	3164	3167	3126	2.19	cps
Lead	208-1	14580	14917	14253	14583	2.28	cps
Lithium	6-1	733241	728576	712457	724758	1.50	cps
Magnesium	24-2	3180091	3209357	3194132	3194527	0.46	cps
Manganese	55-2	1895429	1888052	1918768	1900750	0.84	cps
Molybdenum	94-1	27773	27513	27092	27459	1.25	cps
Molybdenum	95-1	48667	48627	47788	48361	1.03	cps
Molybdenum	96-1	52096	51460	51166	51574	0.92	cps
Molybdenum	97-1	30368	30134	29640	30048	1.24	cps
Molybdenum	98-1	77749	77437	77253	77480	0.32	cps
Neodymium	150-1	53	73	50	59	21.43	cps
Neodymium	150-2	37	17	20	24	43.83	cps
Nickel	60-2	16566	16856	16416	16613	1.35	cps
Phosphorus	31-2	3811	3887	3961	3886	1.93	cps
Potassium	39-2	3281472	3265046	3248498	3265005	0.50	cps
Rhodium	103-1	7624145	7502838	7357583	7494856	1.78	cps
Rhodium	103-2	4791206	4822261	4742536	4785334	0.84	cps
Scandium	45-1	4546520	4464146	4404026	4471564	1.60	cps
Scandium	45-2	496883	503367	490772	497007	1.27	cps
Selenium	82-1	266	168	224	220	22.58	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	497	570	600	556	9.57	cps
Silicon	28-1	64685731	65773232	65343334	65267432	0.84	cps
Silver	107-1	150	190	163	168	12.14	cps
Silver	109-1	160	167	143	157	7.67	cps
Sodium	23-2	3243342	3225552	3213660	3227518	0.46	cps
Strontium	86-1	667755	664152	660557	664155	0.54	cps
Strontium	88-1	5982921	5923303	5820287	5908837	1.39	cps
Sulfur	34-1	422847	420898	420933	421559	0.26	cps
Terbium	159-1	8592524	8581915	8539986	8571475	0.32	cps
Terbium	159-2	6543427	6583948	6519956	6549111	0.49	cps
Thallium	203-1	1777	1787	1667	1743	3.82	cps
Thallium	205-1	4024	4064	3764	3951	4.12	cps
Tin	118-1	7652	7569	7512	7578	0.93	cps
Titanium	47-1	817	857	983	886	9.83	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:00:01	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	217	213	207	212	2.40	cps
Vanadium	51-2	987	963	863	938	6.99	cps
Yttrium	89-1	13383811	13241919	12970197	13198642	1.59	cps
Yttrium	89-2	3873567	3963717	3815972	3884419	1.92	cps
Zinc	66-2	7812	7659	7976	7815	2.03	cps
Zirconium	90-1	770	723	663	719	7.44	cps
Zirconium	91-1	173	223	137	178	24.47	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03DUP	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:03:09	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8292	8386	8066	8248	2.00	cps
Antimony	121-1	1373	1377	1250	1333	5.41	cps
Arsenic	75-2	323	300	307	310	3.88	cps
Barium	135-1	653185	654066	646887	651380	0.60	cps
Barium	137-1	1139067	1128081	1116636	1127928	0.99	cps
Beryllium	9-1	27	37	41	35	19.89	cps
Bismuth	209-1	5239733	5010655	5075839	5108742	2.31	cps
Bismuth	209-2	4704594	4770214	4793482	4756097	0.97	cps
Bromine	81-1	44805	51436	54524	50255	9.88	cps
Bromine	81-2	10884	11134	10914	10978	1.24	cps
Cadmium	108-1	20	13	27	20	33.35	cps
Cadmium	106-1	3247	3130	2897	3091	5.77	cps
Cadmium	111-1	2296	2215	2043	2184	5.92	cps
Calcium	43-1	534927	534113	523360	530800	1.22	cps
Calcium	44-1	8595262	8486414	8243716	8441797	2.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4211	4231	4427	4290	2.79	cps
Cobalt	59-2	44690	44743	44609	44681	0.15	cps
Copper	63-2	2450	2454	2434	2446	0.44	cps
Dysprosium	156-1	50	43	33	42	19.87	cps
Dysprosium	156-2	63	70	63	66	5.87	cps
Erbium	164-1	87	90	97	91	5.59	cps
Erbium	164-2	67	73	83	74	11.26	cps
Gadolinium	160-1	77	90	67	78	15.05	cps
Gadolinium	160-2	380	447	483	437	12.00	cps
Holmium	165-1	8640343	8559668	8230984	8476998	2.56	cps
Holmium	165-2	6445562	6467084	6487863	6466837	0.33	cps
Indium	115-1	7564725	7434296	7350976	7449999	1.45	cps
Indium	115-2	3074091	3085954	3042537	3067527	0.73	cps
Iron	56-2	23202366	23504966	23617059	23441464	0.92	cps
Iron	57-2	604085	604631	609439	606052	0.49	cps
Iron	54-2	1318070	1325754	1322995	1322273	0.29	cps
Krypton	83-1	460	523	447	477	8.59	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03DUP	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:03:09	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1000	843	997	947	9.46	cps
Lead	207-1	763	777	843	794	5.40	cps
Lead	208-1	3544	3420	3870	3611	6.44	cps
Lithium	6-1	742544	719561	712574	724893	2.16	cps
Magnesium	24-2	3085499	3192583	3138137	3138740	1.71	cps
Manganese	55-2	1833546	1888145	1917703	1879798	2.27	cps
Molybdenum	94-1	35727	35600	35062	35463	1.00	cps
Molybdenum	95-1	62363	62737	61479	62193	1.04	cps
Molybdenum	96-1	66320	67211	64633	66054	1.98	cps
Molybdenum	97-1	39266	38808	38116	38730	1.49	cps
Molybdenum	98-1	98666	98862	98584	98704	0.15	cps
Neodymium	150-1	47	53	70	57	21.21	cps
Neodymium	150-2	23	33	33	30	19.25	cps
Nickel	60-2	15782	16379	16239	16133	1.94	cps
Phosphorus	31-2	3897	3964	3811	3891	1.98	cps
Potassium	39-2	3249079	3241966	3304484	3265176	1.05	cps
Rhodium	103-1	7462923	7307317	7422991	7397744	1.09	cps
Rhodium	103-2	4661320	4760222	4788469	4736670	1.41	cps
Scandium	45-1	4678630	4474572	4416722	4523308	3.04	cps
Scandium	45-2	494387	487779	493745	491971	0.74	cps
Selenium	82-1	225	163	197	195	15.95	cps
Selenium	77-2	7	3	0	3	100.05	cps
Selenium	78-2	617	583	610	603	2.92	cps
Silicon	28-1	65572242	65438226	64489481	65166650	0.91	cps
Silver	107-1	160	120	160	147	15.75	cps
Silver	109-1	130	90	120	113	18.37	cps
Sodium	23-2	3185162	3189740	3118605	3164502	1.26	cps
Strontium	86-1	661870	656644	650178	656231	0.89	cps
Strontium	88-1	5760568	5851741	5706486	5772932	1.27	cps
Sulfur	34-1	424401	424893	425628	424974	0.15	cps
Terbium	159-1	8631580	8737295	8637795	8668890	0.68	cps
Terbium	159-2	6392461	6463194	6495021	6450225	0.81	cps
Thallium	203-1	1500	1570	1550	1540	2.34	cps
Thallium	205-1	3551	3774	3731	3685	3.21	cps
Tin	118-1	7269	7155	7152	7192	0.92	cps
Titanium	47-1	887	903	803	864	6.20	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03DUP	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:03:09	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	217	213	260	230	11.32	cps
Vanadium	51-2	893	983	867	914	6.68	cps
Yttrium	89-1	13429278	13304290	13067292	13266953	1.39	cps
Yttrium	89-2	3823862	3866753	3814277	3834964	0.73	cps
Zinc	66-2	8049	8032	7865	7982	1.27	cps
Zirconium	90-1	610	607	587	601	2.10	cps
Zirconium	91-1	123	107	140	123	13.51	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03LX5	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025l	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:06:24	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2810	2884	2874	2856	1.39	cps
Antimony	121-1	303	360	330	331	8.56	cps
Arsenic	75-2	53	73	73	67	17.32	cps
Barium	135-1	123659	122214	125434	123769	1.30	cps
Barium	137-1	211291	215683	211219	212731	1.20	cps
Beryllium	9-1	10	10	13	11	17.31	cps
Bismuth	209-1	4805886	4601471	4799955	4735771	2.46	cps
Bismuth	209-2	4489606	4266460	4373725	4376597	2.55	cps
Bromine	81-1	25596	25679	26043	25773	0.92	cps
Bromine	81-2	3504	3220	3497	3407	4.75	cps
Cadmium	108-1	17	13	13	14	13.35	cps
Cadmium	106-1	2914	2817	2597	2776	5.85	cps
Cadmium	111-1	2068	1999	1835	1967	6.08	cps
Calcium	43-1	102105	98679	98830	99871	1.94	cps
Calcium	44-1	1627168	1558999	1627457	1604541	2.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3460	3440	3607	3503	2.60	cps
Cobalt	59-2	8549	8442	8396	8462	0.93	cps
Copper	63-2	1930	1917	2030	1959	3.16	cps
Dysprosium	156-1	0	10	10	7	86.60	cps
Dysprosium	156-2	7	13	23	14	58.06	cps
Erbium	164-1	70	87	60	72	18.66	cps
Erbium	164-2	33	63	47	48	31.46	cps
Gadolinium	160-1	37	57	33	42	29.89	cps
Gadolinium	160-2	470	403	490	454	9.99	cps
Holmium	165-1	7510174	7429328	7550282	7496595	0.82	cps
Holmium	165-2	6057135	5820811	5802834	5893593	2.41	cps
Indium	115-1	6834303	6614640	6996744	6815229	2.81	cps
Indium	115-2	2887091	2798609	2815823	2833841	1.66	cps
Iron	56-2	4534785	4521951	4509515	4522083	0.28	cps
Iron	57-2	118346	118776	119427	118849	0.46	cps
Iron	54-2	257908	259849	257724	258494	0.46	cps
Krypton	83-1	517	500	623	547	12.24	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03LX5	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025l	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:06:24	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	903	937	1013	951	5.93	cps
Lead	207-1	810	877	807	831	4.75	cps
Lead	208-1	3744	3947	3870	3854	2.67	cps
Lithium	6-1	676278	633601	664492	658124	3.35	cps
Magnesium	24-2	586412	587780	583357	585850	0.39	cps
Manganese	55-2	352877	356372	351640	353630	0.69	cps
Molybdenum	94-1	4901	4798	4807	4835	1.18	cps
Molybdenum	95-1	8102	8206	8533	8280	2.71	cps
Molybdenum	96-1	8703	9156	8869	8909	2.58	cps
Molybdenum	97-1	5211	5281	5371	5288	1.52	cps
Molybdenum	98-1	13320	12959	13553	13277	2.25	cps
Neodymium	150-1	23	27	13	21	32.88	cps
Neodymium	150-2	3	10	3	6	69.34	cps
Nickel	60-2	3510	3857	3620	3663	4.84	cps
Phosphorus	31-2	1257	1283	1397	1312	5.67	cps
Potassium	39-2	691496	703529	697506	697510	0.86	cps
Rhodium	103-1	6793266	6798828	6601026	6731040	1.67	cps
Rhodium	103-2	4444692	4377776	4413743	4412070	0.76	cps
Scandium	45-1	4051952	3866448	4050242	3989547	2.67	cps
Scandium	45-2	458965	442876	455758	452533	1.88	cps
Selenium	82-1	115	94	15	75	70.78	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	587	593	647	609	5.40	cps
Silicon	28-1	12518388	12523161	12740259	12593936	1.01	cps
Silver	107-1	117	133	113	121	8.85	cps
Silver	109-1	100	103	110	104	4.88	cps
Sodium	23-2	630289	629646	625290	628408	0.43	cps
Strontium	86-1	122090	125040	124190	123773	1.23	cps
Strontium	88-1	1083892	1063766	1050209	1065955	1.59	cps
Sulfur	34-1	171663	173648	172199	172503	0.60	cps
Terbium	159-1	7794351	7917228	7790990	7834190	0.92	cps
Terbium	159-2	6189274	5884712	5963894	6012627	2.63	cps
Thallium	203-1	667	617	610	631	4.91	cps
Thallium	205-1	1517	1330	1390	1412	6.75	cps
Tin	118-1	2620	2637	2710	2656	1.80	cps
Titanium	47-1	223	210	307	247	21.24	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03LX5	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025l	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:06:24	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50	20	47	39	42.28	cps
Vanadium	51-2	180	207	177	188	8.76	cps
Yttrium	89-1	11851342	11709939	11694304	11751862	0.74	cps
Yttrium	89-2	3613273	3476320	3598536	3562710	2.11	cps
Zinc	66-2	5101	5044	4961	5035	1.40	cps
Zirconium	90-1	500	417	517	478	11.21	cps
Zirconium	91-1	83	123	100	102	19.66	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-04	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:09:39	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1751234	1646661	1676701	1691532	3.18	cps
Antimony	121-1	3102713	3024530	2996168	3041137	1.81	cps
Arsenic	75-2	233195	225245	224524	227655	2.11	cps
Barium	135-1	4048267	4043256	4039552	4043692	0.11	cps
Barium	137-1	6912083	6916045	6938376	6922168	0.20	cps
Beryllium	9-1	362337	359136	357258	359577	0.71	cps
Bismuth	209-1	5256778	5122000	5251346	5210041	1.46	cps
Bismuth	209-2	4935399	4609983	4617808	4721063	3.93	cps
Bromine	81-1	57207	67926	75227	66787	13.57	cps
Bromine	81-2	16026	15872	16356	16084	1.54	cps
Cadmium	108-1	58160	57751	57467	57793	0.60	cps
Cadmium	106-1	86926	87348	85591	86621	1.06	cps
Cadmium	111-1	841266	840342	832580	838062	0.57	cps
Calcium	43-1	1321021	1339297	1312631	1324317	1.03	cps
Calcium	44-1	21474613	21754971	20755812	21328465	2.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1664282	1632200	1599546	1632009	1.98	cps
Cobalt	59-2	2608951	2560817	2610925	2593564	1.09	cps
Copper	63-2	18396085	18065865	18136746	18199565	0.96	cps
Dysprosium	156-1	103	93	90	96	7.26	cps
Dysprosium	156-2	267	220	267	251	10.73	cps
Erbium	164-1	137	120	147	134	10.02	cps
Erbium	164-2	77	117	97	97	20.69	cps
Gadolinium	160-1	140	137	130	136	3.76	cps
Gadolinium	160-2	547	460	543	517	9.50	cps
Holmium	165-1	8615789	8508770	8500134	8541565	0.75	cps
Holmium	165-2	6687396	6522996	6336560	6515651	2.69	cps
Indium	115-1	7501289	7359403	7257624	7372772	1.66	cps
Indium	115-2	3124112	3058819	2890937	3024623	3.98	cps
Iron	56-2	93512469	92510625	91414915	92479336	1.13	cps
Iron	57-2	2355410	2297953	2297953	2317105	1.43	cps
Iron	54-2	5259879	5022724	5046304	5109636	2.56	cps
Krypton	83-1	520	473	467	487	5.97	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-04	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:09:39	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11128845	11081113	10874688	11028215	1.22	cps
Lead	207-1	9724118	9740929	9467770	9644273	1.59	cps
Lead	208-1	44036306	43905076	43639082	43860155	0.46	cps
Lithium	6-1	755131	739240	733548	742639	1.51	cps
Magnesium	24-2	19791004	18302551	18364114	18819223	4.47	cps
Manganese	55-2	15416444	14714358	14721381	14950728	2.70	cps
Molybdenum	94-1	5409447	5342943	5252084	5334825	1.48	cps
Molybdenum	95-1	6222316	6063235	6000526	6095359	1.88	cps
Molybdenum	96-1	7043423	6815723	6648993	6836047	2.90	cps
Molybdenum	97-1	3813148	3723637	3662764	3733183	2.03	cps
Molybdenum	98-1	9587086	9418752	9494267	9500035	0.89	cps
Neodymium	150-1	150	113	130	131	14.00	cps
Neodymium	150-2	63	43	60	56	19.29	cps
Nickel	60-2	662545	666941	671930	667139	0.70	cps
Phosphorus	31-2	3771	3764	3814	3783	0.72	cps
Potassium	39-2	11826341	11818364	11915624	11853443	0.46	cps
Rhodium	103-1	7541753	7278561	7284719	7368344	2.04	cps
Rhodium	103-2	4874983	4726255	4542821	4714686	3.53	cps
Scandium	45-1	4566840	4569195	4376320	4504118	2.46	cps
Scandium	45-2	508683	490272	480213	493056	2.93	cps
Selenium	82-1	64285	64135	64406	64275	0.21	cps
Selenium	77-2	7779	7926	7936	7880	1.11	cps
Selenium	78-2	27456	27289	26855	27200	1.14	cps
Silicon	28-1	64499649	64476552	63615864	64197355	0.78	cps
Silver	107-1	750153	733253	740105	741170	1.15	cps
Silver	109-1	704040	706209	703805	704685	0.19	cps
Sodium	23-2	27873685	26284843	26101217	26753248	3.64	cps
Strontium	86-1	1863318	1907597	1848519	1873145	1.64	cps
Strontium	88-1	16384662	16304176	16252593	16313810	0.41	cps
Sulfur	34-1	430511	433664	436834	433670	0.73	cps
Terbium	159-1	9120477	9047115	8813398	8993663	1.78	cps
Terbium	159-2	6741544	6556891	6289243	6529226	3.48	cps
Thallium	203-1	2667093	2749635	2690748	2702492	1.57	cps
Thallium	205-1	6451814	6322144	6297124	6357028	1.31	cps
Tin	118-1	2369801	2382090	2339179	2363690	0.93	cps
Titanium	47-1	2344	2560	2397	2434	4.64	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-04	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:09:39	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8010773	8027262	8240643	8092893	1.58	cps
Vanadium	51-2	1478208	1417556	1400655	1432140	2.85	cps
Yttrium	89-1	13335215	13122295	12825843	13094451	1.95	cps
Yttrium	89-2	3972683	3900922	3725936	3866514	3.28	cps
Zinc	66-2	3587430	3411949	3406237	3468539	2.97	cps
Zirconium	90-1	5637691	5546697	5492168	5558852	1.32	cps
Zirconium	91-1	1209266	1210314	1196465	1205348	0.64	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-05	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:12:27	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1667511	1713360	1650420	1677097	1.94	cps
Antimony	121-1	3117195	3066791	3060889	3081625	1.00	cps
Arsenic	75-2	215124	219962	216190	217092	1.17	cps
Barium	135-1	4079055	4133243	3957137	4056479	2.22	cps
Barium	137-1	6925460	6997557	6843911	6922309	1.11	cps
Beryllium	9-1	358655	351577	350468	353567	1.26	cps
Bismuth	209-1	5253240	5137213	5006264	5132239	2.41	cps
Bismuth	209-2	4700640	4708715	4702409	4703921	0.09	cps
Bromine	81-1	59855	71965	78632	70150	13.57	cps
Bromine	81-2	16459	17280	16870	16870	2.43	cps
Cadmium	108-1	59241	57320	58635	58399	1.68	cps
Cadmium	106-1	86624	86124	86114	86287	0.34	cps
Cadmium	111-1	836275	845971	828174	836806	1.06	cps
Calcium	43-1	1310389	1309482	1281118	1300330	1.28	cps
Calcium	44-1	21439505	20866537	20721190	21009077	1.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1595572	1604177	1623336	1607695	0.88	cps
Cobalt	59-2	2593400	2612390	2561393	2589061	1.00	cps
Copper	63-2	18105034	17931021	18192015	18076023	0.74	cps
Dysprosium	156-1	107	77	130	104	25.60	cps
Dysprosium	156-2	330	287	250	289	13.86	cps
Erbium	164-1	133	120	127	127	5.27	cps
Erbium	164-2	73	93	113	93	21.43	cps
Gadolinium	160-1	137	117	113	122	10.32	cps
Gadolinium	160-2	573	560	497	543	7.54	cps
Holmium	165-1	8552996	8402170	8443651	8466272	0.92	cps
Holmium	165-2	6520461	6487253	6370854	6459523	1.22	cps
Indium	115-1	7507333	7421309	7282046	7403563	1.54	cps
Indium	115-2	3026636	3028255	2952394	3002428	1.44	cps
Iron	56-2	90855219	92437295	89530482	90940999	1.60	cps
Iron	57-2	2293828	2316461	2270597	2293629	1.00	cps
Iron	54-2	5059372	5171705	5076685	5102587	1.19	cps
Krypton	83-1	533	430	473	479	10.84	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-05	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:12:27	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11243024	11190404	11104217	11179215	0.63	cps
Lead	207-1	9611454	9659265	9775539	9682086	0.87	cps
Lead	208-1	44547304	43892221	44009686	44149737	0.79	cps
Lithium	6-1	730071	730772	710014	723619	1.63	cps
Magnesium	24-2	18400408	18980618	18258254	18546427	2.06	cps
Manganese	55-2	14913084	15045746	14814846	14924559	0.78	cps
Molybdenum	94-1	5393580	5326848	5357373	5359267	0.62	cps
Molybdenum	95-1	6125664	6006116	6143546	6091775	1.23	cps
Molybdenum	96-1	6778927	6733433	6752143	6754834	0.34	cps
Molybdenum	97-1	3767949	3632944	3656331	3685741	1.96	cps
Molybdenum	98-1	9774664	9485080	9283057	9514267	2.60	cps
Neodymium	150-1	137	160	133	143	10.13	cps
Neodymium	150-2	77	57	60	64	16.63	cps
Nickel	60-2	669841	654511	669806	664719	1.33	cps
Phosphorus	31-2	3764	3430	3600	3598	4.63	cps
Potassium	39-2	11928027	11492317	11882894	11767746	2.04	cps
Rhodium	103-1	7503593	7202258	7135481	7280444	2.69	cps
Rhodium	103-2	4647811	4630722	4641670	4640068	0.19	cps
Scandium	45-1	4466332	4410724	4313986	4397014	1.75	cps
Scandium	45-2	485051	484850	490099	486666	0.61	cps
Selenium	82-1	64079	63586	63754	63806	0.39	cps
Selenium	77-2	8176	7959	8009	8048	1.41	cps
Selenium	78-2	26895	26614	26527	26679	0.72	cps
Silicon	28-1	61514254	61343222	60235592	61031023	1.14	cps
Silver	107-1	749508	743250	733510	742090	1.09	cps
Silver	109-1	712078	704207	697046	704443	1.07	cps
Sodium	23-2	26106593	27007142	25625098	26246278	2.67	cps
Strontium	86-1	1863752	1872425	1884998	1873725	0.57	cps
Strontium	88-1	16045741	16220435	15995432	16087203	0.73	cps
Sulfur	34-1	430208	425777	425625	427204	0.61	cps
Terbium	159-1	8888374	8849581	8578160	8772038	1.93	cps
Terbium	159-2	6425452	6581639	6495133	6500741	1.20	cps
Thallium	203-1	2697453	2722503	2620283	2680080	1.99	cps
Thallium	205-1	6453071	6506297	6441777	6467048	0.53	cps
Tin	118-1	2373368	2354207	2326342	2351306	1.01	cps
Titanium	47-1	2360	2384	2300	2348	1.83	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-05	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:12:27	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8287847	8265869	7983409	8179042	2.08	cps
Vanadium	51-2	1434996	1456887	1433323	1441735	0.91	cps
Yttrium	89-1	13374193	13277245	12908315	13186584	1.86	cps
Yttrium	89-2	3873502	3803729	3901297	3859509	1.30	cps
Zinc	66-2	3478855	3423407	3426263	3442842	0.91	cps
Zirconium	90-1	5508335	5483216	5416055	5469202	0.87	cps
Zirconium	91-1	1196068	1194522	1186122	1192238	0.45	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03A	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025/	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:15:13	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1655104	1674128	1605157	1644797	2.17	cps
Antimony	121-1	3027317	3021561	3061290	3036722	0.71	cps
Arsenic	75-2	226910	226028	225082	226007	0.40	cps
Barium	135-1	4025365	3974383	3998262	3999337	0.64	cps
Barium	137-1	6867366	6929624	6779994	6858995	1.10	cps
Beryllium	9-1	348275	347816	344017	346702	0.67	cps
Bismuth	209-1	5125579	5405854	5137588	5223007	3.03	cps
Bismuth	209-2	4673106	4772400	4674375	4706627	1.21	cps
Bromine	81-1	59901	68957	76011	68290	11.83	cps
Bromine	81-2	16389	16146	16706	16414	1.71	cps
Cadmium	108-1	57895	58846	57326	58023	1.32	cps
Cadmium	106-1	85491	85675	84515	85227	0.73	cps
Cadmium	111-1	828292	833558	828332	830061	0.36	cps
Calcium	43-1	1291653	1268750	1287918	1282773	0.96	cps
Calcium	44-1	20682003	20663971	20927742	20757905	0.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1610921	1576940	1596531	1594797	1.07	cps
Cobalt	59-2	2536232	2514526	2529518	2526758	0.44	cps
Copper	63-2	18346478	18046420	17893315	18095405	1.27	cps
Dysprosium	156-1	120	97	97	104	12.90	cps
Dysprosium	156-2	263	310	273	282	8.71	cps
Erbium	164-1	93	117	103	104	11.21	cps
Erbium	164-2	130	117	87	111	19.97	cps
Gadolinium	160-1	130	143	103	126	16.22	cps
Gadolinium	160-2	470	430	490	463	6.59	cps
Holmium	165-1	8750222	8508293	8463343	8573953	1.80	cps
Holmium	165-2	6553669	6722147	6562647	6612821	1.43	cps
Indium	115-1	7616858	7378408	7350761	7448675	1.96	cps
Indium	115-2	3023483	3085663	2963717	3024287	2.02	cps
Iron	56-2	90995102	89624942	89208465	89942836	1.04	cps
Iron	57-2	2270904	2237476	2238473	2248951	0.85	cps
Iron	54-2	5034575	4968535	4917374	4973495	1.18	cps
Krypton	83-1	623	563	427	538	18.74	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03A	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025/	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:15:13	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10865977	10798317	10752633	10805643	0.53	cps
Lead	207-1	9569500	9562888	9415763	9516050	0.91	cps
Lead	208-1	43629096	43823062	43239523	43563894	0.68	cps
Lithium	6-1	740252	729475	711148	726958	2.02	cps
Magnesium	24-2	18390401	18261676	18130284	18260787	0.71	cps
Manganese	55-2	14805042	14572932	14517282	14631752	1.04	cps
Molybdenum	94-1	5316008	5301137	5182478	5266541	1.39	cps
Molybdenum	95-1	6028472	5931082	5913676	5957743	1.04	cps
Molybdenum	96-1	6636192	6717268	6647319	6666926	0.66	cps
Molybdenum	97-1	3634208	3629005	3662732	3641981	0.50	cps
Molybdenum	98-1	9527365	9289795	9322022	9379727	1.37	cps
Neodymium	150-1	153	140	167	153	8.70	cps
Neodymium	150-2	83	33	83	67	43.30	cps
Nickel	60-2	653641	645723	648666	649344	0.62	cps
Phosphorus	31-2	3607	3584	3644	3612	0.84	cps
Potassium	39-2	11496407	11240274	11319137	11351940	1.16	cps
Rhodium	103-1	7450940	7347688	7363478	7387369	0.75	cps
Rhodium	103-2	4739483	4831051	4674655	4748396	1.65	cps
Scandium	45-1	4441177	4475497	4387321	4434665	1.00	cps
Scandium	45-2	494380	492516	487953	491616	0.67	cps
Selenium	82-1	63145	63578	62839	63187	0.59	cps
Selenium	77-2	7675	7926	7745	7782	1.66	cps
Selenium	78-2	27536	27402	26744	27227	1.56	cps
Silicon	28-1	60184324	60527722	60687424	60466490	0.43	cps
Silver	107-1	733833	730640	727160	730544	0.46	cps
Silver	109-1	702355	698674	690243	697090	0.89	cps
Sodium	23-2	26347996	25937860	25223418	25836425	2.20	cps
Strontium	86-1	1835667	1828043	1853900	1839204	0.72	cps
Strontium	88-1	16229561	16236992	16008819	16158457	0.80	cps
Sulfur	34-1	422447	421798	423779	422675	0.24	cps
Terbium	159-1	8972120	8823613	8672383	8822705	1.70	cps
Terbium	159-2	6587065	6736267	6380575	6567969	2.72	cps
Thallium	203-1	2642251	2647374	2640710	2643445	0.13	cps
Thallium	205-1	6320950	6240839	6302761	6288183	0.67	cps
Tin	118-1	2264088	2280199	2333171	2292486	1.58	cps
Titanium	47-1	2214	2307	2260	2260	2.07	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-03A	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025/	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:15:13	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8283365	8313319	7958821	8185168	2.40	cps
Vanadium	51-2	1437266	1390101	1401638	1409668	1.74	cps
Yttrium	89-1	13219145	12959275	12888035	13022151	1.34	cps
Yttrium	89-2	3833220	3924005	3766381	3841202	2.06	cps
Zinc	66-2	3447097	3393558	3346935	3395863	1.48	cps
Zirconium	90-1	5443762	5349361	5395179	5396101	0.87	cps
Zirconium	91-1	1187091	1188026	1164052	1179723	1.15	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-09	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:18:02	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4531	4964	4407	4634	6.31	cps
Antimony	121-1	1467	1573	1493	1511	3.67	cps
Arsenic	75-2	270	303	223	266	15.13	cps
Barium	135-1	663985	655633	650522	656713	1.03	cps
Barium	137-1	1142062	1136226	1118151	1132146	1.10	cps
Beryllium	9-1	34	61	54	50	27.60	cps
Bismuth	209-1	5264458	5206413	5205102	5225324	0.65	cps
Bismuth	209-2	4831423	4784554	4719953	4778643	1.17	cps
Bromine	81-1	51664	60721	64738	59041	11.34	cps
Bromine	81-2	13029	13390	13303	13240	1.42	cps
Cadmium	108-1	20	23	20	21	9.11	cps
Cadmium	106-1	3510	3167	3124	3267	6.49	cps
Cadmium	111-1	2553	2314	2289	2386	6.11	cps
Calcium	43-1	575196	567019	562967	568394	1.10	cps
Calcium	44-1	9187277	8959032	8852657	8999655	1.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2300	2400	2400	2367	2.44	cps
Cobalt	59-2	44162	44359	43486	44002	1.04	cps
Copper	63-2	2917	3057	2950	2975	2.46	cps
Dysprosium	156-1	30	23	23	26	15.07	cps
Dysprosium	156-2	57	37	63	52	26.57	cps
Erbium	164-1	73	73	70	72	2.66	cps
Erbium	164-2	47	33	27	36	28.64	cps
Gadolinium	160-1	50	63	53	56	12.49	cps
Gadolinium	160-2	500	490	423	471	8.85	cps
Holmium	165-1	8513822	8429716	8378207	8440581	0.81	cps
Holmium	165-2	6491218	6507327	6346530	6448358	1.37	cps
Indium	115-1	7551232	7550213	7511141	7537529	0.30	cps
Indium	115-2	3102488	3068997	3036492	3069326	1.08	cps
Iron	56-2	21259609	21955911	21504922	21573481	1.64	cps
Iron	57-2	559747	558625	554890	557754	0.46	cps
Iron	54-2	1206773	1217237	1213475	1212495	0.44	cps
Krypton	83-1	460	503	407	457	10.60	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-09	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:18:02	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	970	1007	1017	998	2.46	cps
Lead	207-1	823	790	850	821	3.66	cps
Lead	208-1	3857	3864	3944	3888	1.24	cps
Lithium	6-1	737126	719190	721726	726014	1.34	cps
Magnesium	24-2	3393777	3318406	3236450	3316211	2.37	cps
Manganese	55-2	1924829	1967348	1920342	1937506	1.34	cps
Molybdenum	94-1	26818	26380	26237	26478	1.14	cps
Molybdenum	95-1	46113	45383	45210	45569	1.05	cps
Molybdenum	96-1	48597	48393	47149	48047	1.63	cps
Molybdenum	97-1	29557	28040	28164	28587	2.95	cps
Molybdenum	98-1	73923	71769	71457	72383	1.86	cps
Neodymium	150-1	27	37	23	29	24.03	cps
Neodymium	150-2	3	17	13	11	62.48	cps
Nickel	60-2	14981	14687	14954	14874	1.09	cps
Phosphorus	31-2	3474	3187	3414	3358	4.50	cps
Potassium	39-2	3310274	3311003	3267637	3296305	0.75	cps
Rhodium	103-1	7566755	7418324	7338266	7441115	1.56	cps
Rhodium	103-2	4772047	4818752	4719833	4770211	1.04	cps
Scandium	45-1	4442018	4401293	4283603	4375638	1.88	cps
Scandium	45-2	486520	492137	482970	487209	0.95	cps
Selenium	82-1	193	136	251	194	29.76	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	580	530	490	533	8.46	cps
Silicon	28-1	66319284	64860382	65124367	65434678	1.19	cps
Silver	107-1	490	387	403	427	13.00	cps
Silver	109-1	383	407	403	398	3.17	cps
Sodium	23-2	3351267	3358214	3303574	3337685	0.89	cps
Strontium	86-1	709942	699227	695859	701676	1.05	cps
Strontium	88-1	6243403	6166339	6034034	6147926	1.72	cps
Sulfur	34-1	509642	506007	497210	504287	1.27	cps
Terbium	159-1	8844061	8768652	8830616	8814443	0.46	cps
Terbium	159-2	6544779	6545775	6451195	6513916	0.83	cps
Thallium	203-1	3097	3007	2564	2889	9.88	cps
Thallium	205-1	7119	6515	6178	6604	7.22	cps
Tin	118-1	1783	1697	1760	1747	2.57	cps
Titanium	47-1	593	567	660	607	7.92	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-09	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:18:02	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	380	317	320	339	10.52	cps
Vanadium	51-2	503	547	597	549	8.51	cps
Yttrium	89-1	13313044	13073992	12909880	13098972	1.55	cps
Yttrium	89-2	3816282	3847435	3836252	3833323	0.41	cps
Zinc	66-2	6398	6538	6181	6373	2.82	cps
Zirconium	90-1	2520	2237	2374	2377	5.96	cps
Zirconium	91-1	510	507	447	488	7.31	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:21:12	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8912314	9108563	9051285	9024054	1.12	cps
Antimony	121-1	3019830	2984254	2934507	2979530	1.44	cps
Arsenic	75-2	205274	204613	203624	204504	0.41	cps
Barium	135-1	3567154	3613437	3590369	3590320	0.64	cps
Barium	137-1	6163494	5986006	6040931	6063477	1.50	cps
Beryllium	9-1	344939	350553	350673	348722	0.94	cps
Bismuth	209-1	4561782	4542011	4504612	4536135	0.64	cps
Bismuth	209-2	4140818	4141297	4170787	4150967	0.41	cps
Bromine	81-1	21422	20318	19960	20567	3.71	cps
Bromine	81-2	1833	1627	1517	1659	9.69	cps
Cadmium	108-1	56624	56721	55981	56442	0.71	cps
Cadmium	106-1	81947	82698	81826	82157	0.58	cps
Cadmium	111-1	796521	790526	790574	792541	0.44	cps
Calcium	43-1	4122736	4114172	4036866	4091258	1.16	cps
Calcium	44-1	65628861	67188731	66390001	66402531	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1651857	1639563	1619471	1636964	1.00	cps
Cobalt	59-2	2503879	2449476	2470786	2474714	1.11	cps
Copper	63-2	19076614	18799259	18949349	18941741	0.73	cps
Dysprosium	156-1	180	167	140	162	12.56	cps
Dysprosium	156-2	253	347	307	302	15.49	cps
Erbium	164-1	440	370	427	412	9.02	cps
Erbium	164-2	313	363	310	329	9.08	cps
Gadolinium	160-1	203	240	217	220	8.43	cps
Gadolinium	160-2	460	583	610	551	14.52	cps
Holmium	165-1	7834454	7828507	7746745	7803236	0.63	cps
Holmium	165-2	5982027	5900990	5924399	5935805	0.70	cps
Indium	115-1	6773772	6630009	6576445	6660076	1.53	cps
Indium	115-2	2731078	2739675	2726357	2732370	0.25	cps
Iron	56-2	376741301	381822808	384842234	381135448	1.07	cps
Iron	57-2	9489354	9264864	9480077	9411432	1.35	cps
Iron	54-2	20958037	21123676	21101495	21061070	0.43	cps
Krypton	83-1	533	520	587	547	6.45	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:21:12	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10251297	10448678	10612635	10437537	1.73	cps
Lead	207-1	8950752	8982234	9005762	8979583	0.31	cps
Lead	208-1	41037739	41340882	41123853	41167491	0.38	cps
Lithium	6-1	682731	676474	693770	684325	1.28	cps
Magnesium	24-2	77391339	76874516	76315847	76860567	0.70	cps
Manganese	55-2	13615358	14076583	14023893	13905278	1.82	cps
Molybdenum	94-1	11057877	10981057	10769188	10936041	1.37	cps
Molybdenum	95-1	16248193	16226051	15912379	16128874	1.16	cps
Molybdenum	96-1	17573526	17374974	17193539	17380680	1.09	cps
Molybdenum	97-1	9886227	9818742	9884915	9863295	0.39	cps
Molybdenum	98-1	25492287	25692735	25653392	25612805	0.41	cps
Neodymium	150-1	210	200	177	196	8.75	cps
Neodymium	150-2	70	73	57	67	13.22	cps
Nickel	60-2	619497	619566	620862	619975	0.12	cps
Phosphorus	31-2	99667	99455	98955	99359	0.37	cps
Potassium	39-2	46626059	47079264	47387201	47030842	0.81	cps
Rhodium	103-1	6541531	6551987	6527863	6540460	0.18	cps
Rhodium	103-2	4178236	4194343	4257645	4210075	1.00	cps
Scandium	45-1	4128538	4017618	4094638	4080265	1.39	cps
Scandium	45-2	459792	453875	453950	455873	0.74	cps
Selenium	82-1	58328	58879	58709	58639	0.48	cps
Selenium	77-2	7242	7372	7325	7313	0.90	cps
Selenium	78-2	25125	25325	24804	25085	1.05	cps
Silicon	28-1	8003733	8035489	7858054	7965759	1.19	cps
Silver	107-1	4018972	3964323	3987391	3990228	0.69	cps
Silver	109-1	3887693	3802186	3844672	3844850	1.11	cps
Sodium	23-2	115999852	115973238	116531542	116168210	0.27	cps
Strontium	86-1	1037271	1042091	1023045	1034136	0.96	cps
Strontium	88-1	9192096	9215531	9001566	9136397	1.28	cps
Sulfur	34-1	380893	382512	381290	381565	0.22	cps
Terbium	159-1	8166812	8237676	8002889	8135792	1.48	cps
Terbium	159-2	6050663	6030402	6069909	6050325	0.33	cps
Thallium	203-1	2564602	2574243	2644688	2594511	1.69	cps
Thallium	205-1	6021168	6149454	6211083	6127235	1.58	cps
Tin	118-1	2509855	2494188	2482191	2495412	0.56	cps
Titanium	47-1	4017889	4083246	4059203	4053446	0.82	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:21:12	DataFile Name :	046CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8024445	8081044	8002447	8035978	0.50	cps
Vanadium	51-2	1412094	1422283	1408326	1414234	0.51	cps
Yttrium	89-1	12163671	12152049	11783281	12033000	1.80	cps
Yttrium	89-2	3553608	3476972	3585837	3538806	1.58	cps
Zinc	66-2	3389068	3392818	3386986	3389624	0.09	cps
Zirconium	90-1	5503225	5614998	5396883	5505035	1.98	cps
Zirconium	91-1	1203216	1197554	1199536	1200102	0.24	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:24:00	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1623	1567	1830	1673	8.28	cps
Antimony	121-1	857	897	817	857	4.67	cps
Arsenic	75-2	17	10	7	11	45.82	cps
Barium	135-1	153	123	113	130	16.02	cps
Barium	137-1	257	273	260	263	3.35	cps
Beryllium	9-1	20	10	7	12	55.53	cps
Bismuth	209-1	4616393	4572022	4592272	4593562	0.48	cps
Bismuth	209-2	4165459	4240965	4102898	4169774	1.66	cps
Bromine	81-1	15145	14414	14451	14670	2.81	cps
Bromine	81-2	917	840	797	851	7.14	cps
Cadmium	108-1	30	10	23	21	48.24	cps
Cadmium	106-1	2780	2947	2684	2804	4.75	cps
Cadmium	111-1	2002	2133	1949	2028	4.66	cps
Calcium	43-1	513	603	413	510	18.64	cps
Calcium	44-1	36531	35732	34867	35710	2.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2780	2897	2657	2778	4.32	cps
Cobalt	59-2	100	127	117	114	11.77	cps
Copper	63-2	2194	2217	2197	2202	0.57	cps
Dysprosium	156-1	0	3	3	2	86.60	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	47	90	47	61	40.93	cps
Erbium	164-2	43	27	37	36	23.58	cps
Gadolinium	160-1	57	60	43	53	16.54	cps
Gadolinium	160-2	453	373	370	399	11.83	cps
Holmium	165-1	7464594	7308506	7253052	7342051	1.49	cps
Holmium	165-2	5661215	5489362	5460177	5536918	1.96	cps
Indium	115-1	6678882	6574172	6614132	6622396	0.80	cps
Indium	115-2	2726559	2705620	2637258	2689812	1.74	cps
Iron	56-2	28621	29432	28250	28768	2.10	cps
Iron	57-2	2027	2250	2037	2105	6.00	cps
Iron	54-2	3287	3410	3454	3384	2.56	cps
Krypton	83-1	410	533	520	488	13.88	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:24:00	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	870	730	823	808	8.83	cps
Lead	207-1	693	690	743	709	4.21	cps
Lead	208-1	3264	3174	3237	3225	1.43	cps
Lithium	6-1	687776	672296	681138	680403	1.14	cps
Magnesium	24-2	1820	1927	1803	1850	3.62	cps
Manganese	55-2	1235	1246	1349	1277	4.92	cps
Molybdenum	94-1	783	653	660	699	10.48	cps
Molybdenum	95-1	910	767	657	778	16.33	cps
Molybdenum	96-1	877	887	880	881	0.58	cps
Molybdenum	97-1	583	577	433	531	15.96	cps
Molybdenum	98-1	1313	1207	1183	1235	5.61	cps
Neodymium	150-1	10	3	0	4	114.60	cps
Neodymium	150-2	20	7	3	10	88.20	cps
Nickel	60-2	657	557	517	577	12.51	cps
Phosphorus	31-2	683	683	610	659	6.43	cps
Potassium	39-2	92777	92033	92194	92334	0.42	cps
Rhodium	103-1	6634238	6460929	6453981	6516383	1.57	cps
Rhodium	103-2	4205466	4185360	4167341	4186056	0.46	cps
Scandium	45-1	3931866	3865467	3772260	3856531	2.08	cps
Scandium	45-2	432410	430325	429703	430813	0.33	cps
Selenium	82-1	210	58	116	128	59.90	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	490	527	477	498	5.20	cps
Silicon	28-1	567128	561450	559375	562651	0.71	cps
Silver	107-1	593	560	617	590	4.83	cps
Silver	109-1	583	513	567	554	6.59	cps
Sodium	23-2	64655	63731	62426	63604	1.76	cps
Strontium	86-1	900	847	830	859	4.26	cps
Strontium	88-1	893	910	957	920	3.57	cps
Sulfur	34-1	148264	148571	150597	149144	0.85	cps
Terbium	159-1	7850157	7668470	7615688	7711438	1.60	cps
Terbium	159-2	5868808	5707213	5690614	5755545	1.71	cps
Thallium	203-1	857	987	883	909	7.56	cps
Thallium	205-1	2054	2134	2097	2095	1.91	cps
Tin	118-1	2044	1907	2004	1985	3.54	cps
Titanium	47-1	130	110	93	111	16.52	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:24:00	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	87	70	100	86	17.57	cps
Vanadium	51-2	33	30	30	31	6.18	cps
Yttrium	89-1	11516319	11261323	11174189	11317277	1.57	cps
Yttrium	89-2	3503235	3341682	3421904	3422273	2.36	cps
Zinc	66-2	4481	4231	4451	4387	3.11	cps
Zirconium	90-1	747	730	710	729	2.52	cps
Zirconium	91-1	133	150	130	138	7.78	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-10	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:27:19	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1653429	1668161	1709933	1677175	1.75	cps
Antimony	121-1	3134281	3107267	3048539	3096696	1.42	cps
Arsenic	75-2	228247	224051	229730	227343	1.30	cps
Barium	135-1	4017350	4030561	4086149	4044687	0.90	cps
Barium	137-1	6937289	7005185	6897675	6946716	0.78	cps
Beryllium	9-1	372014	372589	370066	371556	0.36	cps
Bismuth	209-1	5371348	5272054	5338299	5327234	0.95	cps
Bismuth	209-2	4851319	4846095	4729048	4808821	1.44	cps
Bromine	81-1	51557	62636	69228	61140	14.61	cps
Bromine	81-2	14514	14794	15151	14820	2.16	cps
Cadmium	108-1	58300	59147	58461	58636	0.77	cps
Cadmium	106-1	85081	86928	85145	85718	1.22	cps
Cadmium	111-1	838290	841306	828573	836056	0.80	cps
Calcium	43-1	1321646	1341213	1293699	1318852	1.81	cps
Calcium	44-1	21710894	21711152	20576696	21332914	3.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1669504	1643244	1648396	1653715	0.84	cps
Cobalt	59-2	2631512	2593071	2585748	2603443	0.94	cps
Copper	63-2	17873226	17844493	17964213	17893977	0.35	cps
Dysprosium	156-1	70	80	97	82	16.39	cps
Dysprosium	156-2	227	217	187	210	9.91	cps
Erbium	164-1	110	113	130	118	9.10	cps
Erbium	164-2	87	70	90	82	13.03	cps
Gadolinium	160-1	137	120	127	128	6.57	cps
Gadolinium	160-2	497	520	523	513	2.83	cps
Holmium	165-1	8663714	8648197	8607993	8639968	0.33	cps
Holmium	165-2	6529421	6492343	6333034	6451599	1.62	cps
Indium	115-1	7498089	7633670	7405867	7512542	1.53	cps
Indium	115-2	3036915	3024039	2982457	3014471	0.94	cps
Iron	56-2	87874829	85701220	86816825	86797625	1.25	cps
Iron	57-2	2143141	2211960	2178624	2177908	1.58	cps
Iron	54-2	4815112	4713870	4936451	4821811	2.31	cps
Krypton	83-1	487	563	383	478	18.91	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-10	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:27:19	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11384150	11249479	10940050	11191226	2.03	cps
Lead	207-1	9903733	9861149	9498392	9754425	2.28	cps
Lead	208-1	44896045	44946062	43721571	44521226	1.56	cps
Lithium	6-1	795012	790484	769860	785119	1.71	cps
Magnesium	24-2	19167628	18967879	19076472	19070660	0.52	cps
Manganese	55-2	14845051	14526215	14912126	14761131	1.40	cps
Molybdenum	94-1	5267020	5435761	5345522	5349435	1.58	cps
Molybdenum	95-1	6096883	6054269	6027242	6059465	0.58	cps
Molybdenum	96-1	6638966	6733253	6758954	6710391	0.94	cps
Molybdenum	97-1	3756149	3733139	3671414	3720234	1.18	cps
Molybdenum	98-1	9624260	9633150	9727761	9661724	0.59	cps
Neodymium	150-1	150	87	123	120	26.50	cps
Neodymium	150-2	67	60	57	61	8.33	cps
Nickel	60-2	657328	648618	645669	650538	0.93	cps
Phosphorus	31-2	3154	3120	3054	3109	1.64	cps
Potassium	39-2	11676201	11535831	11788361	11666798	1.08	cps
Rhodium	103-1	7516471	7517243	7400042	7477919	0.90	cps
Rhodium	103-2	4759958	4810435	4613545	4727980	2.16	cps
Scandium	45-1	4590510	4581163	4557339	4576337	0.37	cps
Scandium	45-2	495377	498469	493773	495873	0.48	cps
Selenium	82-1	62502	63806	62634	62981	1.14	cps
Selenium	77-2	7932	7392	7639	7654	3.53	cps
Selenium	78-2	27532	26748	26464	26915	2.06	cps
Silicon	28-1	62752416	62975152	61281222	62336264	1.48	cps
Silver	107-1	745986	736580	731996	738188	0.97	cps
Silver	109-1	708265	715521	706313	710033	0.68	cps
Sodium	23-2	27604475	26753294	27713721	27357163	1.92	cps
Strontium	86-1	1859637	1858517	1814960	1844371	1.38	cps
Strontium	88-1	16275440	16048776	16238602	16187606	0.75	cps
Sulfur	34-1	440897	440252	434508	438552	0.80	cps
Terbium	159-1	9052204	9097062	8749293	8966186	2.11	cps
Terbium	159-2	6508897	6658193	6479755	6548948	1.46	cps
Thallium	203-1	2729975	2807378	2670862	2736071	2.50	cps
Thallium	205-1	6508812	6468620	6393852	6457095	0.90	cps
Tin	118-1	2350741	2355449	2313213	2339801	0.99	cps
Titanium	47-1	2060	1953	2027	2013	2.71	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-10	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:27:19	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8296708	8209209	8330548	8278821	0.76	cps
Vanadium	51-2	1448034	1447610	1468993	1454879	0.84	cps
Yttrium	89-1	13005834	12926670	13127658	13020054	0.78	cps
Yttrium	89-2	3876012	3831557	3803648	3837072	0.95	cps
Zinc	66-2	3422460	3404551	3421979	3416330	0.30	cps
Zirconium	90-1	5539079	5494450	5438603	5490711	0.92	cps
Zirconium	91-1	1184219	1205017	1194217	1194484	0.87	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-11	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:30:07	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1729527	1668689	1631899	1676705	2.94	cps
Antimony	121-1	3158436	3049322	3039139	3082299	2.15	cps
Arsenic	75-2	229827	226989	227365	228061	0.68	cps
Barium	135-1	4001247	4056595	3909951	3989264	1.86	cps
Barium	137-1	6913521	6717257	6796466	6809081	1.45	cps
Beryllium	9-1	357667	359265	352592	356508	0.98	cps
Bismuth	209-1	5475013	5318382	5312013	5368469	1.72	cps
Bismuth	209-2	4606944	4804533	4930155	4780544	3.41	cps
Bromine	81-1	56542	67922	73730	66065	13.23	cps
Bromine	81-2	15635	15682	15655	15657	0.15	cps
Cadmium	108-1	56727	55707	57430	56621	1.53	cps
Cadmium	106-1	86366	84625	84689	85227	1.16	cps
Cadmium	111-1	830036	826388	823874	826766	0.37	cps
Calcium	43-1	1290135	1272352	1303977	1288821	1.23	cps
Calcium	44-1	20855001	21021865	20996593	20957820	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1663608	1642340	1631910	1645953	0.98	cps
Cobalt	59-2	2549939	2561508	2531081	2547509	0.60	cps
Copper	63-2	17880334	18131431	18317416	18109727	1.21	cps
Dysprosium	156-1	137	130	117	128	7.97	cps
Dysprosium	156-2	317	330	370	339	8.19	cps
Erbium	164-1	120	93	100	104	13.29	cps
Erbium	164-2	90	113	97	100	12.02	cps
Gadolinium	160-1	173	157	123	151	16.85	cps
Gadolinium	160-2	473	447	507	476	6.32	cps
Holmium	165-1	8725707	8657175	8627189	8670024	0.58	cps
Holmium	165-2	6306098	6532642	6806158	6548299	3.82	cps
Indium	115-1	7602056	7374919	7265188	7414054	2.32	cps
Indium	115-2	2967407	3063742	3087105	3039418	2.09	cps
Iron	56-2	86417822	86288645	84161392	85622620	1.48	cps
Iron	57-2	2142068	2175419	2130276	2149254	1.09	cps
Iron	54-2	4950401	4776486	4726177	4817688	2.44	cps
Krypton	83-1	543	533	490	522	5.43	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-11	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:30:07	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11214009	10864389	10944854	11007751	1.66	cps
Lead	207-1	9624929	9691797	9574683	9630470	0.61	cps
Lead	208-1	44785710	43909544	43781319	44158858	1.24	cps
Lithium	6-1	771441	752549	756791	760260	1.30	cps
Magnesium	24-2	18961346	19146664	19415916	19174642	1.19	cps
Manganese	55-2	15472266	14954931	14925984	15117727	2.03	cps
Molybdenum	94-1	5337752	5335467	5219076	5297432	1.28	cps
Molybdenum	95-1	5971549	5928378	5970680	5956869	0.41	cps
Molybdenum	96-1	6588663	6630907	6544039	6587870	0.66	cps
Molybdenum	97-1	3700643	3609770	3644613	3651675	1.26	cps
Molybdenum	98-1	9634104	9339935	9459739	9477926	1.56	cps
Neodymium	150-1	193	237	220	217	10.09	cps
Neodymium	150-2	120	80	73	91	27.70	cps
Nickel	60-2	646251	645865	650797	647638	0.42	cps
Phosphorus	31-2	2567	2477	2687	2577	4.09	cps
Potassium	39-2	11670019	11409082	11498931	11526011	1.15	cps
Rhodium	103-1	7525682	7247945	7331722	7368450	1.93	cps
Rhodium	103-2	4536470	4748028	4822682	4702393	3.16	cps
Scandium	45-1	4514652	4525443	4407137	4482411	1.46	cps
Scandium	45-2	484358	494832	508389	495860	2.43	cps
Selenium	82-1	63248	63262	62893	63134	0.33	cps
Selenium	77-2	7976	7896	7512	7794	3.18	cps
Selenium	78-2	26210	26481	27138	26610	1.79	cps
Silicon	28-1	63091361	61103811	61781162	61992111	1.63	cps
Silver	107-1	728619	727403	719011	725011	0.72	cps
Silver	109-1	704427	698059	688267	696918	1.17	cps
Sodium	23-2	27256567	27455835	27639066	27450489	0.70	cps
Strontium	86-1	1870810	1847371	1881887	1866689	0.94	cps
Strontium	88-1	16422037	16276061	15803543	16167214	2.00	cps
Sulfur	34-1	437544	435230	432672	435149	0.56	cps
Terbium	159-1	9356861	9050420	8806694	9071325	3.04	cps
Terbium	159-2	6708365	6657648	6640298	6668770	0.53	cps
Thallium	203-1	2734668	2730109	2664927	2709901	1.44	cps
Thallium	205-1	6588629	6472853	6276358	6445946	2.45	cps
Tin	118-1	2314802	2292160	2249760	2285574	1.44	cps
Titanium	47-1	2094	1887	1863	1948	6.50	cps

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On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2842-11	Instrumnet Name :	P7
Client Sample ID :	MW-17B-55.5-08122025I	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:30:07	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8267740	8202547	8123724	8198004	0.88	cps
Vanadium	51-2	1461612	1442536	1465822	1456656	0.85	cps
Yttrium	89-1	13212445	12919172	13061961	13064526	1.12	cps
Yttrium	89-2	3823536	3729034	3938172	3830247	2.73	cps
Zinc	66-2	3391597	3409953	3455957	3419169	0.97	cps
Zirconium	90-1	5285977	5405609	5382853	5358146	1.19	cps
Zirconium	91-1	1199743	1184691	1173723	1186052	1.10	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2849-01DLX5	Instrumnet Name :	P7
Client Sample ID :	BUR-25-0071DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:32:53	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4197	4261	4217	4225	0.77	cps
Antimony	121-1	1320	1493	1427	1413	6.19	cps
Arsenic	75-2	6998	6965	7269	7077	2.35	cps
Barium	135-1	98536	99666	102479	100227	2.03	cps
Barium	137-1	170012	172462	171859	171444	0.74	cps
Beryllium	9-1	11	24	17	17	38.66	cps
Bismuth	209-1	5207641	5204103	5467271	5293005	2.85	cps
Bismuth	209-2	5013611	5085745	4941185	5013514	1.44	cps
Bromine	81-1	68978	80692	81892	77187	9.24	cps
Bromine	81-2	16172	15972	16126	16090	0.65	cps
Cadmium	108-1	27	17	27	23	24.74	cps
Cadmium	106-1	3324	3184	3374	3294	2.99	cps
Cadmium	111-1	2435	2374	2480	2429	2.19	cps
Calcium	43-1	75859	77945	80452	78086	2.94	cps
Calcium	44-1	1283425	1332216	1402548	1339396	4.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7922	7582	7525	7677	2.80	cps
Cobalt	59-2	6135	6418	6208	6254	2.35	cps
Copper	63-2	14087	13753	13583	13808	1.86	cps
Dysprosium	156-1	17	13	13	14	13.35	cps
Dysprosium	156-2	13	13	17	14	13.35	cps
Erbium	164-1	60	50	83	64	26.54	cps
Erbium	164-2	90	40	70	67	37.75	cps
Gadolinium	160-1	43	57	53	51	13.58	cps
Gadolinium	160-2	487	403	487	459	10.49	cps
Holmium	165-1	8539538	8480481	8708798	8576272	1.38	cps
Holmium	165-2	6632227	6439024	6616939	6562730	1.64	cps
Indium	115-1	7399555	7559402	7631191	7530049	1.57	cps
Indium	115-2	3128870	3114663	3068411	3103981	1.02	cps
Iron	56-2	68881724	67693271	67491221	68022072	1.10	cps
Iron	57-2	1693040	1670105	1634853	1666000	1.76	cps
Iron	54-2	3761475	3745273	3681896	3729548	1.13	cps
Krypton	83-1	463	547	587	532	11.82	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2849-01DLX5	Instrumnet Name :	P7
Client Sample ID :	BUR-25-0071DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:32:53	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	34337	34437	36482	35085	3.45	cps
Lead	207-1	28777	29773	29806	29452	1.98	cps
Lead	208-1	131296	135828	138336	135153	2.64	cps
Lithium	6-1	722677	714800	766272	734583	3.77	cps
Magnesium	24-2	535549	534273	536943	535589	0.25	cps
Manganese	55-2	2596575	2610108	2527689	2578124	1.71	cps
Molybdenum	94-1	3921	2387	2417	2908	30.16	cps
Molybdenum	95-1	1413	1353	1357	1375	2.45	cps
Molybdenum	96-1	2464	2267	2094	2275	8.14	cps
Molybdenum	97-1	1030	870	770	890	14.74	cps
Molybdenum	98-1	2157	2134	1997	2096	4.12	cps
Neodymium	150-1	10	7	10	9	21.63	cps
Neodymium	150-2	3	10	3	6	69.34	cps
Nickel	60-2	4527	4464	4691	4561	2.57	cps
Phosphorus	31-2	3074	2917	3030	3007	2.69	cps
Potassium	39-2	298661	299423	301429	299838	0.48	cps
Rhodium	103-1	7360934	7411499	7201451	7324628	1.50	cps
Rhodium	103-2	4900213	4931163	4884738	4905371	0.48	cps
Scandium	45-1	4271229	4244897	4504520	4340215	3.29	cps
Scandium	45-2	498794	501789	500648	500410	0.30	cps
Selenium	82-1	4192	4659	5028	4626	9.06	cps
Selenium	77-2	687	697	867	750	13.49	cps
Selenium	78-2	2977	3084	2954	3005	2.31	cps
Silicon	28-1	3639476	4118895	4210219	3989530	7.68	cps
Silver	107-1	767	880	933	860	9.90	cps
Silver	109-1	847	873	920	880	4.22	cps
Sodium	23-2	6606879	6664731	6563168	6611593	0.77	cps
Strontium	86-1	41348	43173	42485	42335	2.18	cps
Strontium	88-1	348862	352406	352672	351314	0.61	cps
Sulfur	34-1	166240	168504	167807	167517	0.69	cps
Terbium	159-1	8576526	8641401	8820308	8679411	1.45	cps
Terbium	159-2	6676932	6749693	6633369	6686665	0.88	cps
Thallium	203-1	3754	4604	4294	4217	10.20	cps
Thallium	205-1	9473	10371	10034	9959	4.55	cps
Tin	118-1	5905	5588	5671	5721	2.87	cps
Titanium	47-1	180	203	213	199	8.60	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2849-01DLX5	Instrumnet Name :	P7
Client Sample ID :	BUR-25-0071DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:32:53	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	167	110	80	119	37.02	cps
Vanadium	51-2	140	100	120	120	16.67	cps
Yttrium	89-1	12415081	12351177	12871929	12546062	2.26	cps
Yttrium	89-2	3956169	3887065	3858944	3900726	1.28	cps
Zinc	66-2	38807	39198	38556	38854	0.83	cps
Zirconium	90-1	8249	4854	4641	5915	34.23	cps
Zirconium	91-1	1960	1013	1053	1342	39.89	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01	Instrumnet Name :	P7
Client Sample ID :	#452	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:36:09	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	167074	165180	163827	165360	0.99	cps
Antimony	121-1	4451	4354	4281	4362	1.96	cps
Arsenic	75-2	897	757	810	821	8.61	cps
Barium	135-1	46081	46319	46222	46207	0.26	cps
Barium	137-1	78512	79424	79038	78992	0.58	cps
Beryllium	9-1	28	31	18	26	27.70	cps
Bismuth	209-1	5361671	5283626	5226663	5290653	1.28	cps
Bismuth	209-2	4741848	4699329	4769923	4737033	0.75	cps
Bromine	81-1	38664	45761	49536	44654	12.36	cps
Bromine	81-2	9643	9460	9660	9588	1.16	cps
Cadmium	108-1	60	47	53	53	12.50	cps
Cadmium	106-1	3497	3450	3550	3499	1.43	cps
Cadmium	111-1	2803	2793	2798	2798	0.18	cps
Calcium	43-1	73145	74197	73397	73580	0.75	cps
Calcium	44-1	1199744	1185147	1200705	1195199	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	141810	141400	139845	141018	0.73	cps
Cobalt	59-2	12379	12152	12198	12243	0.98	cps
Copper	63-2	206281	205808	201744	204611	1.22	cps
Dysprosium	156-1	407	310	377	364	13.58	cps
Dysprosium	156-2	320	353	390	354	9.88	cps
Erbium	164-1	447	413	467	442	6.09	cps
Erbium	164-2	270	250	350	290	18.25	cps
Gadolinium	160-1	397	403	387	396	2.12	cps
Gadolinium	160-2	733	750	687	723	4.54	cps
Holmium	165-1	8687104	8465516	8575529	8576050	1.29	cps
Holmium	165-2	6564801	6453569	6455361	6491244	0.98	cps
Indium	115-1	7637796	7349308	7477332	7488145	1.93	cps
Indium	115-2	3047619	2998214	2999394	3015075	0.93	cps
Iron	56-2	889814707	871911854	862209454	874645338	1.60	cps
Iron	57-2	21485265	21433114	21459718	21459366	0.12	cps
Iron	54-2	48825881	47434029	47924599	48061503	1.47	cps
Krypton	83-1	523	460	570	518	10.66	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01	Instrumnet Name :	P7
Client Sample ID :	#452	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:36:09	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	74165	75013	74698	74625	0.57	cps
Lead	207-1	61392	59983	61610	60995	1.45	cps
Lead	208-1	286464	290587	287790	288280	0.73	cps
Lithium	6-1	772769	778880	769690	773779	0.60	cps
Magnesium	24-2	168359	165485	165738	166527	0.96	cps
Manganese	55-2	2062109	2025130	1970961	2019400	2.27	cps
Molybdenum	94-1	14854	14718	15115	14895	1.35	cps
Molybdenum	95-1	20758	20404	20248	20470	1.28	cps
Molybdenum	96-1	28381	28024	28197	28201	0.63	cps
Molybdenum	97-1	12993	12702	12422	12706	2.25	cps
Molybdenum	98-1	32500	32289	31975	32255	0.82	cps
Neodymium	150-1	590	590	587	589	0.33	cps
Neodymium	150-2	370	417	357	381	8.27	cps
Nickel	60-2	9076	9093	8869	9013	1.38	cps
Phosphorus	31-2	1050	1083	1110	1081	2.78	cps
Potassium	39-2	2583555	2532793	2563188	2559845	1.00	cps
Rhodium	103-1	7522752	7231470	7328617	7360946	2.01	cps
Rhodium	103-2	4586298	4643758	4593333	4607796	0.68	cps
Scandium	45-1	4485265	4390264	4339197	4404908	1.68	cps
Scandium	45-2	490073	489219	487838	489043	0.23	cps
Selenium	82-1	1614	1548	1346	1503	9.28	cps
Selenium	77-2	123	147	150	140	10.38	cps
Selenium	78-2	953	977	947	959	1.64	cps
Silicon	28-1	4711835	4783122	4720261	4738406	0.82	cps
Silver	107-1	960	880	1067	969	9.67	cps
Silver	109-1	883	960	713	852	14.81	cps
Sodium	23-2	109852812	109414572	108413255	109226879	0.68	cps
Strontium	86-1	41488	40633	41639	41253	1.32	cps
Strontium	88-1	349965	358628	349292	352628	1.48	cps
Sulfur	34-1	207814	211149	211349	210104	0.95	cps
Terbium	159-1	9115276	8814618	8779318	8903071	2.07	cps
Terbium	159-2	6690902	6465860	6468545	6541769	1.97	cps
Thallium	203-1	1213	1100	1033	1116	8.16	cps
Thallium	205-1	2740	2690	2620	2684	2.25	cps
Tin	118-1	31889	32073	32654	32205	1.24	cps
Titanium	47-1	10640	10607	10644	10630	0.19	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01	Instrumnet Name :	P7
Client Sample ID :	#452	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:36:09	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	360	433	327	373	14.62	cps
Vanadium	51-2	6635	6738	6885	6753	1.86	cps
Yttrium	89-1	13065221	12925513	12733851	12908195	1.29	cps
Yttrium	89-2	3860949	3830497	3849603	3847017	0.40	cps
Zinc	66-2	351830	353604	351077	352170	0.37	cps
Zirconium	90-1	7739	7775	7735	7750	0.29	cps
Zirconium	91-1	1737	1693	1800	1743	3.08	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DLX5	Instrumnet Name :	P7
Client Sample ID :	#456DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:39:23	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	55895	55269	54483	55216	1.28	cps
Antimony	121-1	38565	37255	34826	36882	5.14	cps
Arsenic	75-2	10244	10294	9747	10095	3.00	cps
Barium	135-1	46586	44025	40812	43807	6.60	cps
Barium	137-1	80396	74923	70085	75135	6.87	cps
Beryllium	9-1	8	18	11	12	42.20	cps
Bismuth	209-1	4053116	3680685	3638062	3790621	6.02	cps
Bismuth	209-2	3668968	3481473	3506385	3552275	2.87	cps
Bromine	81-1	3745846	4583200	4907125	4412057	13.58	cps
Bromine	81-2	1055769	1061577	1053263	1056869	0.40	cps
Cadmium	108-1	16439	15001	13647	15029	9.29	cps
Cadmium	106-1	2600	2434	2354	2462	5.11	cps
Cadmium	111-1	9642	9074	8251	8989	7.78	cps
Calcium	43-1	29222	27892	26303	27806	5.26	cps
Calcium	44-1	605368	583978	549467	579604	4.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20818	20334	20691	20614	1.22	cps
Cobalt	59-2	1477	1493	1340	1437	5.86	cps
Copper	63-2	666830	670447	665380	667552	0.39	cps
Dysprosium	156-1	37	53	37	42	22.78	cps
Dysprosium	156-2	53	47	37	46	18.41	cps
Erbium	164-1	93	80	80	84	9.11	cps
Erbium	164-2	73	77	53	68	18.62	cps
Gadolinium	160-1	87	83	83	84	2.28	cps
Gadolinium	160-2	413	413	340	389	10.89	cps
Holmium	165-1	6878064	5970684	6095756	6314835	7.79	cps
Holmium	165-2	5182372	4829630	4905234	4972412	3.73	cps
Indium	115-1	5880089	5217332	5327791	5475071	6.49	cps
Indium	115-2	2419174	2279422	2216111	2304902	4.51	cps
Iron	56-2	1058214	1046181	1028501	1044298	1.43	cps
Iron	57-2	27412	27786	27752	27650	0.75	cps
Iron	54-2	60746	60304	60200	60416	0.48	cps
Krypton	83-1	430	473	557	487	13.23	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DLX5	Instrumnet Name :	P7
Client Sample ID :	#456DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:39:23	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	70441	66402	61455	66099	6.81	cps
Lead	207-1	61341	57417	54177	57645	6.22	cps
Lead	208-1	278417	262507	246271	262398	6.13	cps
Lithium	6-1	621758	556391	570153	582768	5.91	cps
Magnesium	24-2	183937	186210	185931	185360	0.67	cps
Manganese	55-2	227568	228709	229231	228503	0.37	cps
Molybdenum	94-1	71557594	68059766	63806057	67807806	5.72	cps
Molybdenum	95-1	128790145	120884845	113038292	120904427	6.51	cps
Molybdenum	96-1	137278318	129231135	122271878	129593777	5.79	cps
Molybdenum	97-1	79972484	73771486	69245891	74329953	7.24	cps
Molybdenum	98-1	206777417	193773517	177934457	192828464	7.49	cps
Neodymium	150-1	70	87	60	72	18.66	cps
Neodymium	150-2	63	43	60	56	19.29	cps
Nickel	60-2	2110	2247	1927	2095	7.67	cps
Phosphorus	31-2	42559	42770	43141	42823	0.69	cps
Potassium	39-2	296251136	293957129	292723242	294310502	0.61	cps
Rhodium	103-1	5676246	5176091	5177758	5343365	5.40	cps
Rhodium	103-2	3748735	3533703	3423433	3568624	4.64	cps
Scandium	45-1	3479984	3139725	3146353	3255354	5.98	cps
Scandium	45-2	399475	376972	372043	382830	3.82	cps
Selenium	82-1	5195	5430	5306	5310	2.22	cps
Selenium	77-2	553	683	560	599	12.22	cps
Selenium	78-2	2514	2447	2357	2439	3.22	cps
Silicon	28-1	23266271	25297750	25901500	24821840	5.56	cps
Silver	107-1	3550	3114	3060	3242	8.30	cps
Silver	109-1	3374	3280	3034	3229	5.44	cps
Sodium	23-2	159599918	158667688	154049191	157438932	1.89	cps
Strontium	86-1	129440	121447	115179	122022	5.86	cps
Strontium	88-1	1124263	1056513	992161	1057645	6.25	cps
Sulfur	34-1	294027	272287	255577	273964	7.04	cps
Terbium	159-1	7076957	6283460	6423612	6594676	6.42	cps
Terbium	159-2	5248491	4940003	4800096	4996197	4.59	cps
Thallium	203-1	1783	1853	1974	1870	5.14	cps
Thallium	205-1	4304	4457	4557	4440	2.87	cps
Tin	118-1	26595	24775	23222	24864	6.79	cps
Titanium	47-1	3367	3100	3160	3209	4.36	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DLX5	Instrumnet Name :	P7
Client Sample ID :	#456DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:39:23	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	360	383	327	357	7.98	cps
Vanadium	51-2	4587	4634	4574	4599	0.69	cps
Yttrium	89-1	10317405	9283304	9315012	9638574	6.10	cps
Yttrium	89-2	3155122	2914618	2879911	2983217	5.02	cps
Zinc	66-2	484675	483899	479721	482765	0.55	cps
Zirconium	90-1	2877	2647	2434	2652	8.36	cps
Zirconium	91-1	653	583	560	599	8.11	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DLX5	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:42:38	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1720743	1677697	1673750	1690730	1.54	cps
Antimony	121-1	4561	4484	4784	4610	3.38	cps
Arsenic	75-2	9136	8623	8626	8795	3.36	cps
Barium	135-1	34442	34849	34468	34586	0.66	cps
Barium	137-1	59340	60903	59451	59898	1.46	cps
Beryllium	9-1	16	16	9	14	27.10	cps
Bismuth	209-1	3882853	3902083	3902271	3895736	0.29	cps
Bismuth	209-2	3917068	3724495	3514876	3718813	5.41	cps
Bromine	81-1	4663601	6121854	6676762	5820739	17.86	cps
Bromine	81-2	1537568	1540526	1567148	1548414	1.05	cps
Cadmium	108-1	3234	3517	3050	3267	7.20	cps
Cadmium	106-1	2540	2554	2630	2575	1.89	cps
Cadmium	111-1	4095	3733	4177	4002	5.90	cps
Calcium	43-1	108636	109385	110432	109484	0.82	cps
Calcium	44-1	1840235	1885474	1919703	1881804	2.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18685	18859	18278	18607	1.60	cps
Cobalt	59-2	800	823	920	848	7.51	cps
Copper	63-2	1033143	1003748	1000583	1012491	1.77	cps
Dysprosium	156-1	13	30	30	24	39.37	cps
Dysprosium	156-2	10	33	23	22	52.68	cps
Erbium	164-1	53	70	63	62	13.48	cps
Erbium	164-2	57	40	30	42	31.91	cps
Gadolinium	160-1	53	67	60	60	11.12	cps
Gadolinium	160-2	460	373	363	399	13.33	cps
Holmium	165-1	6424841	6559178	6481172	6488397	1.04	cps
Holmium	165-2	5589977	5167255	4841373	5199535	7.22	cps
Indium	115-1	5551445	5623729	5483536	5552904	1.26	cps
Indium	115-2	2543906	2398800	2286894	2409867	5.35	cps
Iron	56-2	1295439	1240555	1240997	1258997	2.51	cps
Iron	57-2	35555	34797	35011	35121	1.11	cps
Iron	54-2	74236	71596	71710	72514	2.06	cps
Krypton	83-1	440	447	470	452	3.48	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DLX5	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:42:38	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7269	7549	7576	7464	2.28	cps
Lead	207-1	6302	6598	6598	6499	2.64	cps
Lead	208-1	28836	30394	30027	29752	2.74	cps
Lithium	6-1	603407	586701	600535	596881	1.50	cps
Magnesium	24-2	183001	177976	179101	180026	1.46	cps
Manganese	55-2	1146624	1103799	1094084	1114836	2.51	cps
Molybdenum	94-1	14390569	14644489	14939464	14658174	1.87	cps
Molybdenum	95-1	25922799	26493320	26610476	26342198	1.40	cps
Molybdenum	96-1	27535250	28123340	27572620	27743737	1.19	cps
Molybdenum	97-1	16087748	16362435	15876017	16108733	1.51	cps
Molybdenum	98-1	40581233	42466774	41037719	41361909	2.38	cps
Neodymium	150-1	13	37	13	21	63.83	cps
Neodymium	150-2	23	10	13	16	44.60	cps
Nickel	60-2	2594	2544	2294	2477	6.49	cps
Phosphorus	31-2	3174	3247	2924	3115	5.44	cps
Potassium	39-2	248342403	237355803	236793263	240830490	2.70	cps
Rhodium	103-1	5466303	5428458	5387701	5427487	0.72	cps
Rhodium	103-2	3915833	3666396	3488525	3690252	5.82	cps
Scandium	45-1	3342087	3312643	3457072	3370601	2.26	cps
Scandium	45-2	416281	395569	379912	397254	4.59	cps
Selenium	82-1	5516	6294	6444	6085	8.19	cps
Selenium	77-2	557	767	700	674	15.91	cps
Selenium	78-2	2960	2760	2880	2867	3.51	cps
Silicon	28-1	13103516	15436736	16433690	14991314	11.40	cps
Silver	107-1	413	447	353	404	11.69	cps
Silver	109-1	407	443	420	423	4.38	cps
Sodium	23-2	132530098	128409541	124939131	128626257	2.95	cps
Strontium	86-1	49861	50219	50616	50232	0.75	cps
Strontium	88-1	423845	427825	432287	427985	0.99	cps
Sulfur	34-1	370283	374160	370910	371784	0.56	cps
Terbium	159-1	6551802	6685832	6715312	6650982	1.31	cps
Terbium	159-2	5505398	5136242	4933901	5191847	5.58	cps
Thallium	203-1	2344	2410	2454	2402	2.31	cps
Thallium	205-1	5658	5481	5578	5572	1.59	cps
Tin	118-1	23846	24404	23376	23875	2.16	cps
Titanium	47-1	1453	1590	1550	1531	4.59	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DLX5	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:42:38	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	800	890	920	870	7.18	cps
Vanadium	51-2	11051	11004	10320	10792	3.79	cps
Yttrium	89-1	9676981	9649105	9697962	9674683	0.25	cps
Yttrium	89-2	3187367	3030770	2969393	3062510	3.67	cps
Zinc	66-2	1167577	1130374	1122529	1140160	2.11	cps
Zirconium	90-1	3427	3644	3674	3582	3.76	cps
Zirconium	91-1	760	757	800	772	3.12	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-01DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2005DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:45:45	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17463	17370	17230	17354	0.68	cps
Antimony	121-1	14147	14474	14297	14306	1.14	cps
Arsenic	75-2	7485	7532	7739	7585	1.78	cps
Barium	135-1	32744	31618	32036	32133	1.77	cps
Barium	137-1	55729	57506	55802	56346	1.78	cps
Beryllium	9-1	24	20	7	17	52.01	cps
Bismuth	209-1	5334469	5160169	5368747	5287795	2.12	cps
Bismuth	209-2	4792629	4682825	4757061	4744172	1.18	cps
Bromine	81-1	796619	754981	707411	753004	5.93	cps
Bromine	81-2	136683	133779	128325	132929	3.19	cps
Cadmium	108-1	53	53	83	63	27.35	cps
Cadmium	106-1	3127	3277	3230	3212	2.39	cps
Cadmium	111-1	2352	2400	2353	2368	1.16	cps
Calcium	43-1	170808	170400	173073	171427	0.84	cps
Calcium	44-1	2934370	2766979	2774260	2825203	3.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6975	7028	7098	7034	0.88	cps
Cobalt	59-2	4881	4657	4614	4717	3.03	cps
Copper	63-2	11695	10981	11618	11431	3.43	cps
Dysprosium	156-1	10	17	10	12	31.50	cps
Dysprosium	156-2	10	23	17	17	39.99	cps
Erbium	164-1	103	53	57	71	39.32	cps
Erbium	164-2	40	40	57	46	21.13	cps
Gadolinium	160-1	73	63	67	68	7.51	cps
Gadolinium	160-2	423	500	370	431	15.16	cps
Holmium	165-1	8581571	8297476	8703784	8527610	2.44	cps
Holmium	165-2	6528658	6402918	6344776	6425451	1.46	cps
Indium	115-1	7519878	7223794	7405403	7383025	2.02	cps
Indium	115-2	3016126	2985885	3040931	3014314	0.91	cps
Iron	56-2	158545928	160726684	156575434	158616015	1.31	cps
Iron	57-2	3853618	3890803	3882385	3875602	0.50	cps
Iron	54-2	8784929	8654173	8808662	8749255	0.95	cps
Krypton	83-1	413	507	507	476	11.33	cps

Reviewed By:jaswal
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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-01DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2005DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:45:45	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5515	5298	5284	5366	2.41	cps
Lead	207-1	4311	4424	4501	4412	2.17	cps
Lead	208-1	20199	20676	20516	20464	1.19	cps
Lithium	6-1	812090	781796	793765	795884	1.92	cps
Magnesium	24-2	479337	480047	476044	478476	0.45	cps
Manganese	55-2	742299	744654	732870	739941	0.84	cps
Molybdenum	94-1	7682	7062	6778	7174	6.44	cps
Molybdenum	95-1	12005	10854	10397	11085	7.47	cps
Molybdenum	96-1	13930	13059	12349	13113	6.04	cps
Molybdenum	97-1	7472	6848	6552	6957	6.75	cps
Molybdenum	98-1	19313	16823	16616	17584	8.53	cps
Neodymium	150-1	27	10	23	20	44.10	cps
Neodymium	150-2	7	7	20	11	69.25	cps
Nickel	60-2	5765	5588	5594	5649	1.77	cps
Phosphorus	31-2	269882	269322	268931	269378	0.18	cps
Potassium	39-2	93431159	93009275	90976279	92472238	1.42	cps
Rhodium	103-1	7402657	7363163	7550069	7438630	1.32	cps
Rhodium	103-2	4746256	4615423	4723412	4695030	1.49	cps
Scandium	45-1	4624326	4364828	4485685	4491613	2.89	cps
Scandium	45-2	499377	488871	492505	493584	1.08	cps
Selenium	82-1	3969	4271	4284	4175	4.27	cps
Selenium	77-2	580	523	553	552	5.13	cps
Selenium	78-2	2327	2357	2317	2334	0.89	cps
Silicon	28-1	6607966	6433063	6481605	6507545	1.39	cps
Silver	107-1	487	563	487	512	8.64	cps
Silver	109-1	450	447	460	452	1.53	cps
Sodium	23-2	5938077	5874683	5850080	5887613	0.77	cps
Strontium	86-1	60293	60307	59851	60150	0.43	cps
Strontium	88-1	505427	513646	510172	509748	0.81	cps
Sulfur	34-1	285457	295405	294494	291785	1.88	cps
Terbium	159-1	8701881	9002745	9187943	8964190	2.74	cps
Terbium	159-2	6581057	6512896	6506362	6533438	0.63	cps
Thallium	203-1	873	897	1033	934	9.25	cps
Thallium	205-1	2040	2247	2200	2162	5.01	cps
Tin	118-1	3921	3807	3957	3895	2.01	cps
Titanium	47-1	4044	3657	3981	3894	5.33	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-01DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2005DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:45:45	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	217	160	130	169	26.06	cps
Vanadium	51-2	500	450	500	483	5.97	cps
Yttrium	89-1	12990509	12740388	13086936	12939278	1.38	cps
Yttrium	89-2	3836187	3886217	3813396	3845267	0.97	cps
Zinc	66-2	353616	355180	351294	353363	0.55	cps
Zirconium	90-1	2114	2144	2023	2094	2.98	cps
Zirconium	91-1	440	493	480	471	5.89	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-02DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2006DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:49:06	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15214	15068	14927	15070	0.95	cps
Antimony	121-1	2394	2207	2257	2286	4.23	cps
Arsenic	75-2	4251	4101	4244	4198	2.02	cps
Barium	135-1	13383	13006	13253	13214	1.45	cps
Barium	137-1	23379	22905	23156	23147	1.02	cps
Beryllium	9-1	7	13	3	8	65.13	cps
Bismuth	209-1	5374886	5320317	5372576	5355926	0.58	cps
Bismuth	209-2	4849758	4891632	4790069	4843820	1.05	cps
Bromine	81-1	153677	147636	136465	145926	5.98	cps
Bromine	81-2	24874	24273	22808	23985	4.43	cps
Cadmium	108-1	7	27	7	13	86.58	cps
Cadmium	106-1	3194	3094	3237	3175	2.32	cps
Cadmium	111-1	2291	2194	2305	2263	2.68	cps
Calcium	43-1	30391	30835	30214	30480	1.05	cps
Calcium	44-1	542575	548839	545588	545667	0.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10023	10000	9837	9953	1.02	cps
Cobalt	59-2	1097	887	1010	998	10.58	cps
Copper	63-2	13723	13109	13199	13344	2.48	cps
Dysprosium	156-1	13	3	13	10	57.75	cps
Dysprosium	156-2	3	17	23	14	70.51	cps
Erbium	164-1	80	60	93	78	21.57	cps
Erbium	164-2	53	63	43	53	18.75	cps
Gadolinium	160-1	33	53	40	42	24.12	cps
Gadolinium	160-2	530	443	503	492	9.02	cps
Holmium	165-1	8587291	8404267	8321495	8437684	1.61	cps
Holmium	165-2	6607045	6421181	6417063	6481763	1.67	cps
Indium	115-1	7575625	7508305	7375388	7486439	1.36	cps
Indium	115-2	3123066	3077704	3023970	3074913	1.61	cps
Iron	56-2	98926735	99880422	98555022	99120726	0.69	cps
Iron	57-2	2455464	2457304	2427924	2446897	0.67	cps
Iron	54-2	5461132	5638835	5424500	5508156	2.08	cps
Krypton	83-1	463	490	463	472	3.26	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-02DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2006DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:49:06	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3187	3240	3250	3226	1.06	cps
Lead	207-1	2717	2730	2840	2763	2.45	cps
Lead	208-1	12559	12719	12749	12676	0.81	cps
Lithium	6-1	783164	778794	788139	783366	0.60	cps
Magnesium	24-2	75692	76858	76804	76452	0.86	cps
Manganese	55-2	2762094	2792641	2769552	2774762	0.57	cps
Molybdenum	94-1	1707	1710	1737	1718	0.96	cps
Molybdenum	95-1	2174	2080	2147	2134	2.25	cps
Molybdenum	96-1	3004	3120	3230	3118	3.64	cps
Molybdenum	97-1	1490	1447	1363	1433	4.49	cps
Molybdenum	98-1	3527	3387	3217	3377	4.60	cps
Neodymium	150-1	7	23	17	16	53.90	cps
Neodymium	150-2	17	13	13	14	13.35	cps
Nickel	60-2	1610	1730	1563	1635	5.26	cps
Phosphorus	31-2	28320	28423	27875	28206	1.03	cps
Potassium	39-2	10207754	10161297	10177291	10182114	0.23	cps
Rhodium	103-1	7468398	7442220	7340179	7416932	0.91	cps
Rhodium	103-2	4884353	4830331	4740554	4818413	1.51	cps
Scandium	45-1	4424248	4500176	4406352	4443592	1.12	cps
Scandium	45-2	494377	507104	484446	495309	2.29	cps
Selenium	82-1	2879	3026	2986	2964	2.57	cps
Selenium	77-2	427	460	403	430	6.62	cps
Selenium	78-2	2000	1870	1740	1870	6.95	cps
Silicon	28-1	3241396	3387488	3464693	3364526	3.37	cps
Silver	107-1	587	743	897	742	20.88	cps
Silver	109-1	633	743	870	749	15.82	cps
Sodium	23-2	1127269	1161422	1112721	1133804	2.20	cps
Strontium	86-1	6495	6602	6461	6519	1.12	cps
Strontium	88-1	49109	50359	48925	49464	1.58	cps
Sulfur	34-1	151953	155283	154101	153779	1.10	cps
Terbium	159-1	8978316	8819932	8898045	8898764	0.89	cps
Terbium	159-2	6617466	6599120	6477652	6564746	1.16	cps
Thallium	203-1	690	693	773	719	6.56	cps
Thallium	205-1	1700	1907	1747	1785	6.07	cps
Tin	118-1	4808	4724	4804	4779	0.99	cps
Titanium	47-1	893	913	773	860	8.80	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2867-02DLX5	Instrumnet Name :	P7
Client Sample ID :	Tre-2006DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 15:49:06	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	20	13	18	21.66	cps
Vanadium	51-2	253	253	263	257	2.25	cps
Yttrium	89-1	13111323	12843367	12838053	12930915	1.21	cps
Yttrium	89-2	3980671	3951849	3779863	3904128	2.78	cps
Zinc	66-2	28648	27479	28668	28265	2.41	cps
Zirconium	90-1	1203	1297	1270	1257	3.83	cps
Zirconium	91-1	283	310	350	314	10.67	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-01	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:52:19	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3080	2874	2847	2934	4.35	cps
Antimony	121-1	453	383	410	416	8.50	cps
Arsenic	75-2	963	853	823	880	8.38	cps
Barium	135-1	307114	300970	299354	302479	1.35	cps
Barium	137-1	530434	521549	522800	524927	0.92	cps
Beryllium	9-1	11	18	21	17	30.38	cps
Bismuth	209-1	5554202	5594057	5562069	5570110	0.38	cps
Bismuth	209-2	5084371	4934109	4875752	4964744	2.17	cps
Bromine	81-1	88879	93273	96368	92840	4.05	cps
Bromine	81-2	18969	18455	18148	18524	2.24	cps
Cadmium	108-1	33	13	10	19	66.81	cps
Cadmium	106-1	3517	3550	3320	3463	3.59	cps
Cadmium	111-1	2475	2506	2361	2447	3.13	cps
Calcium	43-1	1212111	1182009	1196498	1196873	1.26	cps
Calcium	44-1	19589747	19453600	19090559	19377969	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2887	2980	2757	2875	3.90	cps
Cobalt	59-2	10270	10220	9880	10123	2.10	cps
Copper	63-2	2100	2070	2064	2078	0.94	cps
Dysprosium	156-1	67	33	37	46	40.30	cps
Dysprosium	156-2	57	57	43	52	14.75	cps
Erbium	164-1	110	90	90	97	11.95	cps
Erbium	164-2	57	83	93	78	24.37	cps
Gadolinium	160-1	87	87	83	86	2.25	cps
Gadolinium	160-2	507	490	440	479	7.24	cps
Holmium	165-1	9268335	8915860	8761984	8982060	2.89	cps
Holmium	165-2	6782424	6547569	6571588	6633860	1.95	cps
Indium	115-1	8015076	7881247	7903624	7933315	0.90	cps
Indium	115-2	3204125	3219504	3155824	3193151	1.04	cps
Iron	56-2	73525442	73520594	72323194	73123077	0.95	cps
Iron	57-2	1862406	1848407	1828277	1846363	0.93	cps
Iron	54-2	4070116	4080431	4075913	4075487	0.13	cps
Krypton	83-1	400	460	543	468	15.39	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-01	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:52:19	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	73434	71947	71913	72431	1.20	cps
Lead	207-1	59068	57308	57368	57915	1.73	cps
Lead	208-1	279332	273529	272565	275142	1.33	cps
Lithium	6-1	840565	837877	796932	825125	2.96	cps
Magnesium	24-2	7634193	7696591	7600984	7643923	0.64	cps
Manganese	55-2	3794717	3852523	3879012	3842084	1.12	cps
Molybdenum	94-1	1763	1720	1710	1731	1.64	cps
Molybdenum	95-1	2687	2844	2700	2744	3.17	cps
Molybdenum	96-1	3397	3244	3354	3332	2.37	cps
Molybdenum	97-1	1587	1630	1567	1595	2.03	cps
Molybdenum	98-1	4184	4194	4064	4147	1.75	cps
Neodymium	150-1	77	87	50	71	26.66	cps
Neodymium	150-2	47	70	50	56	22.71	cps
Nickel	60-2	2207	2120	2127	2151	2.24	cps
Phosphorus	31-2	2997	2907	2660	2855	6.11	cps
Potassium	39-2	4175796	4201751	4097689	4158412	1.30	cps
Rhodium	103-1	7954219	7903619	7887091	7914976	0.44	cps
Rhodium	103-2	5080628	4797347	4877299	4918425	2.97	cps
Scandium	45-1	4910421	4826926	4691004	4809451	2.30	cps
Scandium	45-2	517841	516205	518523	517523	0.23	cps
Selenium	82-1	1631	1548	1312	1497	11.04	cps
Selenium	77-2	177	137	143	152	14.08	cps
Selenium	78-2	950	977	1043	990	4.86	cps
Silicon	28-1	70966327	69823179	67397286	69395597	2.63	cps
Silver	107-1	197	143	197	179	17.21	cps
Silver	109-1	140	123	147	137	8.79	cps
Sodium	23-2	6280922	6291825	6234475	6269074	0.49	cps
Strontium	86-1	1769809	1773369	1744539	1762572	0.89	cps
Strontium	88-1	15119693	15000021	14891687	15003800	0.76	cps
Sulfur	34-1	1844224	1837871	1783596	1821897	1.83	cps
Terbium	159-1	9651171	9298821	9164284	9371425	2.68	cps
Terbium	159-2	6913166	6833946	6840217	6862443	0.64	cps
Thallium	203-1	367	370	350	362	2.96	cps
Thallium	205-1	980	807	820	869	11.10	cps
Tin	118-1	12392	12489	12055	12312	1.85	cps
Titanium	47-1	610	587	573	590	3.15	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-01	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:52:19	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	357	350	317	341	6.28	cps
Vanadium	51-2	287	283	257	276	5.97	cps
Yttrium	89-1	14111809	13886614	13927027	13975150	0.86	cps
Yttrium	89-2	4202476	4018198	4035495	4085390	2.49	cps
Zinc	66-2	4601	4614	4797	4671	2.35	cps
Zirconium	90-1	567	617	593	592	4.23	cps
Zirconium	91-1	113	150	133	132	13.88	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-02	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:55:29	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3247	3174	3207	3209	1.14	cps
Antimony	121-1	240	277	220	246	11.70	cps
Arsenic	75-2	457	503	513	491	6.16	cps
Barium	135-1	259894	256341	252802	256346	1.38	cps
Barium	137-1	451886	443387	441395	445556	1.25	cps
Beryllium	9-1	5	18	5	9	83.87	cps
Bismuth	209-1	5489019	5268287	5200336	5319214	2.84	cps
Bismuth	209-2	4871257	4851215	4782930	4835134	0.96	cps
Bromine	81-1	73586	81802	84192	79860	6.97	cps
Bromine	81-2	17070	17510	16960	17180	1.70	cps
Cadmium	108-1	23	7	10	13	66.12	cps
Cadmium	106-1	3504	3227	3300	3344	4.29	cps
Cadmium	111-1	2463	2301	2320	2361	3.75	cps
Calcium	43-1	1154477	1140925	1136582	1143995	0.82	cps
Calcium	44-1	18331733	18168773	17817713	18106073	1.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2507	2377	2570	2485	3.97	cps
Cobalt	59-2	9280	9350	9310	9313	0.38	cps
Copper	63-2	1720	1747	1680	1716	1.96	cps
Dysprosium	156-1	43	37	30	37	18.18	cps
Dysprosium	156-2	50	60	70	60	16.67	cps
Erbium	164-1	90	70	67	76	16.70	cps
Erbium	164-2	90	47	87	74	32.39	cps
Gadolinium	160-1	73	67	90	77	15.68	cps
Gadolinium	160-2	513	490	477	493	3.76	cps
Holmium	165-1	8839608	8693071	8661007	8731229	1.09	cps
Holmium	165-2	6575038	6602317	6453283	6543546	1.21	cps
Indium	115-1	7787752	7683585	7584072	7685136	1.33	cps
Indium	115-2	3144460	3149404	3106849	3133571	0.74	cps
Iron	56-2	70641456	70019386	68962116	69874319	1.22	cps
Iron	57-2	1770699	1754025	1703106	1742610	2.02	cps
Iron	54-2	3882966	3739994	3755998	3792986	2.07	cps
Krypton	83-1	430	453	467	450	4.12	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-02	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:55:29	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	820	807	853	827	2.91	cps
Lead	207-1	750	757	717	741	2.89	cps
Lead	208-1	3230	3127	3214	3190	1.74	cps
Lithium	6-1	797909	784010	779211	787043	1.23	cps
Magnesium	24-2	7373907	7223399	7220744	7272684	1.21	cps
Manganese	55-2	3771064	3697983	3613462	3694170	2.13	cps
Molybdenum	94-1	1837	1793	1843	1825	1.49	cps
Molybdenum	95-1	2840	2880	2967	2896	2.24	cps
Molybdenum	96-1	3547	3477	3520	3515	1.01	cps
Molybdenum	97-1	1803	1743	1987	1845	6.87	cps
Molybdenum	98-1	4717	4524	4551	4597	2.28	cps
Neodymium	150-1	107	80	50	79	35.94	cps
Neodymium	150-2	40	53	50	48	14.52	cps
Nickel	60-2	1737	1567	1593	1632	5.60	cps
Phosphorus	31-2	3040	3020	2707	2923	6.40	cps
Potassium	39-2	4067118	4019798	3971978	4019632	1.18	cps
Rhodium	103-1	7707711	7607635	7408236	7574527	2.01	cps
Rhodium	103-2	4855473	4813593	4635968	4768345	2.44	cps
Scandium	45-1	4715122	4670642	4533333	4639699	2.04	cps
Scandium	45-2	510965	501787	497849	503533	1.34	cps
Selenium	82-1	1191	1169	1085	1148	4.86	cps
Selenium	77-2	117	97	103	106	9.65	cps
Selenium	78-2	930	930	820	893	7.11	cps
Silicon	28-1	65126232	66199556	66885527	66070438	1.34	cps
Silver	107-1	143	123	203	157	26.57	cps
Silver	109-1	127	83	130	113	22.97	cps
Sodium	23-2	5937222	5792998	5897027	5875749	1.27	cps
Strontium	86-1	1656197	1632771	1619363	1636110	1.14	cps
Strontium	88-1	14339689	14466525	14007679	14271297	1.66	cps
Sulfur	34-1	1764745	1805046	1768427	1779406	1.25	cps
Terbium	159-1	9249174	9074436	9142559	9155390	0.96	cps
Terbium	159-2	6622535	6602838	6532988	6586120	0.71	cps
Thallium	203-1	277	273	260	270	3.27	cps
Thallium	205-1	710	650	633	664	6.07	cps
Tin	118-1	2754	2734	2610	2699	2.88	cps
Titanium	47-1	533	443	597	524	14.69	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-02	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:55:29	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	413	383	480	426	11.63	cps
Vanadium	51-2	260	273	277	270	3.27	cps
Yttrium	89-1	13702434	13345159	13308839	13452144	1.62	cps
Yttrium	89-2	3937015	3920028	3876876	3911306	0.79	cps
Zinc	66-2	4091	4017	3874	3994	2.76	cps
Zirconium	90-1	517	557	470	514	8.43	cps
Zirconium	91-1	130	137	70	112	32.72	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:58:35	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9346306	9334254	9399743	9360101	0.37	cps
Antimony	121-1	3068995	3078304	3122496	3089931	0.93	cps
Arsenic	75-2	215478	213768	213601	214283	0.48	cps
Barium	135-1	3639711	3734766	3673484	3682654	1.31	cps
Barium	137-1	6384078	6272331	6295564	6317324	0.93	cps
Beryllium	9-1	371197	376326	376017	374513	0.77	cps
Bismuth	209-1	4918000	4936981	4880747	4911909	0.58	cps
Bismuth	209-2	4427316	4447462	4369563	4414780	0.92	cps
Bromine	81-1	38052	37875	35931	37286	3.16	cps
Bromine	81-2	5158	4964	4964	5029	2.22	cps
Cadmium	108-1	57962	59060	58270	58431	0.97	cps
Cadmium	106-1	83901	84062	85205	84389	0.84	cps
Cadmium	111-1	813590	815646	812061	813766	0.22	cps
Calcium	43-1	4226991	4325869	4352048	4301636	1.53	cps
Calcium	44-1	69787161	70817767	69845751	70150226	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1704503	1740233	1648416	1697717	2.73	cps
Cobalt	59-2	2609987	2560636	2563598	2578074	1.07	cps
Copper	63-2	19562866	19264915	18960657	19262813	1.56	cps
Dysprosium	156-1	170	230	153	184	21.86	cps
Dysprosium	156-2	400	283	360	348	17.05	cps
Erbium	164-1	350	403	360	371	7.64	cps
Erbium	164-2	290	350	273	304	13.24	cps
Gadolinium	160-1	240	193	157	197	21.24	cps
Gadolinium	160-2	607	577	523	569	7.42	cps
Holmium	165-1	8192305	8254431	8104063	8183600	0.92	cps
Holmium	165-2	6306879	6215606	6173343	6231942	1.10	cps
Indium	115-1	6944018	7014270	7013397	6990561	0.58	cps
Indium	115-2	2892413	2888134	2897372	2892640	0.16	cps
Iron	56-2	401423914	397236421	392772247	397144194	1.09	cps
Iron	57-2	9815815	9987801	9839429	9881015	0.94	cps
Iron	54-2	22418836	21391730	21901167	21903911	2.34	cps
Krypton	83-1	487	503	513	501	2.69	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:58:35	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10841892	10996889	10798506	10879096	0.96	cps
Lead	207-1	9449973	9504877	9339639	9431496	0.89	cps
Lead	208-1	43270976	44107401	42627430	43335269	1.71	cps
Lithium	6-1	747502	733226	746501	742410	1.07	cps
Magnesium	24-2	82185700	80747740	78722784	80552075	2.16	cps
Manganese	55-2	14502842	14541956	14476408	14507069	0.23	cps
Molybdenum	94-1	11382823	11349489	11474874	11402395	0.57	cps
Molybdenum	95-1	16420043	16514187	16360596	16431609	0.47	cps
Molybdenum	96-1	18047193	18337981	17847442	18077538	1.36	cps
Molybdenum	97-1	10188044	10216519	10112451	10172338	0.53	cps
Molybdenum	98-1	26704101	26627846	26754140	26695362	0.24	cps
Neodymium	150-1	173	143	207	174	18.16	cps
Neodymium	150-2	73	80	83	79	6.45	cps
Nickel	60-2	648251	643894	640146	644097	0.63	cps
Phosphorus	31-2	106312	105065	104495	105291	0.88	cps
Potassium	39-2	48315749	48449453	48181906	48315703	0.28	cps
Rhodium	103-1	6882658	6831883	6883395	6865978	0.43	cps
Rhodium	103-2	4421585	4351651	4393426	4388887	0.80	cps
Scandium	45-1	4349245	4292614	4337109	4326323	0.69	cps
Scandium	45-2	485307	483784	482156	483749	0.33	cps
Selenium	82-1	61886	62039	61883	61936	0.14	cps
Selenium	77-2	7662	8099	7919	7893	2.78	cps
Selenium	78-2	26083	26667	26223	26325	1.16	cps
Silicon	28-1	8601353	8928320	8975622	8835099	2.31	cps
Silver	107-1	4046056	4132617	4071999	4083557	1.09	cps
Silver	109-1	3915746	3910608	3906062	3910805	0.12	cps
Sodium	23-2	123229878	120326562	123458455	122338298	1.43	cps
Strontium	86-1	1056101	1055985	1055010	1055699	0.06	cps
Strontium	88-1	9323713	9475879	9424748	9408113	0.82	cps
Sulfur	34-1	391336	391258	389871	390821	0.21	cps
Terbium	159-1	8661210	8496724	8585539	8581158	0.96	cps
Terbium	159-2	6396779	6413134	6220557	6343490	1.68	cps
Thallium	203-1	2665823	2671154	2759547	2698841	1.95	cps
Thallium	205-1	6504683	6359696	6466692	6443690	1.17	cps
Tin	118-1	2566352	2551013	2591185	2569517	0.79	cps
Titanium	47-1	4208675	4267855	4259113	4245214	0.75	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 15:58:35	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8282646	8571376	8156804	8336942	2.55	cps
Vanadium	51-2	1435747	1481175	1417276	1444732	2.28	cps
Yttrium	89-1	12430813	12601479	12689949	12574080	1.05	cps
Yttrium	89-2	3762241	3753845	3715275	3743787	0.67	cps
Zinc	66-2	3531224	3561280	3553521	3548675	0.44	cps
Zirconium	90-1	5645597	5696575	5648635	5663602	0.50	cps
Zirconium	91-1	1239558	1234480	1240267	1238102	0.25	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:10:16	DataFile Name :	061CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1533	1673	1400	1536	8.90	cps
Antimony	121-1	887	757	783	809	8.49	cps
Arsenic	75-2	120	87	87	98	19.68	cps
Barium	135-1	130	137	110	126	11.05	cps
Barium	137-1	217	240	237	231	5.46	cps
Beryllium	9-1	3	0	3	2	84.32	cps
Bismuth	209-1	4962850	4883286	4895815	4913984	0.87	cps
Bismuth	209-2	4409105	4409979	4396785	4405290	0.17	cps
Bromine	81-1	18672	18145	18191	18336	1.59	cps
Bromine	81-2	1737	1867	1907	1837	4.84	cps
Cadmium	108-1	17	23	20	20	16.65	cps
Cadmium	106-1	2740	2540	2524	2601	4.64	cps
Cadmium	111-1	1927	1812	1783	1840	4.14	cps
Calcium	43-1	457	463	473	464	1.81	cps
Calcium	44-1	30337	29532	30557	30142	1.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3027	2997	2917	2980	1.91	cps
Cobalt	59-2	100	77	90	89	13.17	cps
Copper	63-2	2324	2337	2354	2338	0.64	cps
Dysprosium	156-1	7	10	10	9	21.63	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	50	70	67	62	17.22	cps
Erbium	164-2	50	17	30	32	52.06	cps
Gadolinium	160-1	43	20	20	28	48.49	cps
Gadolinium	160-2	377	357	307	347	10.40	cps
Holmium	165-1	8012827	7802333	7754523	7856561	1.75	cps
Holmium	165-2	5812976	5759714	5769474	5780721	0.49	cps
Indium	115-1	6827808	6834903	6810711	6824474	0.18	cps
Indium	115-2	2750005	2772586	2727755	2750115	0.82	cps
Iron	56-2	26079	26150	25916	26048	0.46	cps
Iron	57-2	1830	1953	1920	1901	3.36	cps
Iron	54-2	3094	3274	3064	3144	3.61	cps
Krypton	83-1	573	477	447	499	13.27	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:10:16	DataFile Name :	061CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	820	783	787	797	2.54	cps
Lead	207-1	573	590	600	588	2.29	cps
Lead	208-1	2850	2820	2893	2855	1.29	cps
Lithium	6-1	667511	674688	656113	666104	1.41	cps
Magnesium	24-2	1230	1367	1297	1298	5.27	cps
Manganese	55-2	1189	1172	1009	1123	8.86	cps
Molybdenum	94-1	287	367	373	342	14.09	cps
Molybdenum	95-1	330	357	390	359	8.38	cps
Molybdenum	96-1	437	427	477	447	5.92	cps
Molybdenum	97-1	270	257	307	278	9.32	cps
Molybdenum	98-1	537	500	583	540	7.73	cps
Neodymium	150-1	13	13	10	12	15.73	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	673	690	630	664	4.66	cps
Phosphorus	31-2	597	570	557	574	3.55	cps
Potassium	39-2	86142	87097	85505	86248	0.93	cps
Rhodium	103-1	6765229	6714541	6568409	6682727	1.53	cps
Rhodium	103-2	4263698	4338492	4319737	4307309	0.90	cps
Scandium	45-1	3799980	3790535	3787143	3792553	0.18	cps
Scandium	45-2	435774	431121	426547	431147	1.07	cps
Selenium	82-1	346	454	541	447	21.80	cps
Selenium	77-2	13	37	37	29	46.64	cps
Selenium	78-2	600	577	607	594	2.65	cps
Silicon	28-1	553905	557334	561530	557590	0.68	cps
Silver	107-1	587	603	727	639	11.97	cps
Silver	109-1	630	610	733	658	10.06	cps
Sodium	23-2	54198	53305	52864	53456	1.27	cps
Strontium	86-1	817	920	877	871	5.96	cps
Strontium	88-1	880	783	780	814	6.97	cps
Sulfur	34-1	140266	142066	144475	142269	1.48	cps
Terbium	159-1	8344686	8166587	8094182	8201818	1.57	cps
Terbium	159-2	5920538	5833695	5909441	5887891	0.80	cps
Thallium	203-1	180	180	183	181	1.06	cps
Thallium	205-1	450	470	363	428	13.25	cps
Tin	118-1	2657	3204	2874	2911	9.46	cps
Titanium	47-1	123	93	107	108	13.95	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:10:16	DataFile Name :	061CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	20	13	19	26.96	cps
Vanadium	51-2	33	60	33	42	36.47	cps
Yttrium	89-1	11827769	11476151	11406623	11570181	1.95	cps
Yttrium	89-2	3460377	3336074	3490405	3428952	2.39	cps
Zinc	66-2	4481	4507	4527	4505	0.52	cps
Zirconium	90-1	350	460	383	398	14.18	cps
Zirconium	91-1	77	77	83	79	4.87	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-05	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:13:37	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2500	2998	3703	3067	19.71	cps
Antimony	121-1	603	600	587	597	1.48	cps
Arsenic	75-2	267	187	237	230	17.57	cps
Barium	135-1	296967	285571	287631	290057	2.09	cps
Barium	137-1	515095	501754	500196	505682	1.62	cps
Beryllium	9-1	1	4	14	7	106.17	cps
Bismuth	209-1	5524150	5507417	5584962	5538843	0.74	cps
Bismuth	209-2	4891673	4985244	4863348	4913422	1.30	cps
Bromine	81-1	52708	60945	64189	59281	9.98	cps
Bromine	81-2	12796	12906	12859	12853	0.43	cps
Cadmium	108-1	23	10	17	17	39.99	cps
Cadmium	106-1	2870	3067	3227	3055	5.85	cps
Cadmium	111-1	2026	2167	2284	2159	5.98	cps
Calcium	43-1	1180604	1184655	1179088	1181449	0.24	cps
Calcium	44-1	18762814	18661707	18588480	18671001	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4651	4871	4791	4771	2.33	cps
Cobalt	59-2	10464	10480	10304	10416	0.94	cps
Copper	63-2	2340	2410	2514	2421	3.60	cps
Dysprosium	156-1	40	53	43	46	15.23	cps
Dysprosium	156-2	73	73	77	74	2.59	cps
Erbium	164-1	120	97	70	96	26.18	cps
Erbium	164-2	77	87	87	83	6.93	cps
Gadolinium	160-1	103	63	73	80	26.02	cps
Gadolinium	160-2	500	477	457	478	4.54	cps
Holmium	165-1	8646843	8644403	8868431	8719893	1.48	cps
Holmium	165-2	6628415	6722777	6649575	6666922	0.74	cps
Indium	115-1	7610219	7787098	7829519	7742278	1.50	cps
Indium	115-2	3124398	3125510	3086000	3111969	0.72	cps
Iron	56-2	74310847	74001512	73297589	73869983	0.70	cps
Iron	57-2	1875302	1852476	1883368	1870382	0.86	cps
Iron	54-2	4121278	4087094	4036769	4081714	1.04	cps
Krypton	83-1	497	467	470	478	3.44	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-05	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:13:37	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	757	863	827	816	6.64	cps
Lead	207-1	640	727	617	661	8.77	cps
Lead	208-1	2937	3107	3150	3065	3.68	cps
Lithium	6-1	756566	757282	746346	753398	0.81	cps
Magnesium	24-2	7714002	7611603	7717932	7681179	0.78	cps
Manganese	55-2	3859213	3866147	3861470	3862277	0.09	cps
Molybdenum	94-1	3417	3377	3540	3445	2.47	cps
Molybdenum	95-1	5738	5658	5651	5682	0.85	cps
Molybdenum	96-1	6812	6318	6548	6559	3.76	cps
Molybdenum	97-1	3547	3444	3484	3492	1.49	cps
Molybdenum	98-1	9266	9120	9183	9190	0.80	cps
Neodymium	150-1	90	97	67	84	18.65	cps
Neodymium	150-2	23	40	47	37	32.79	cps
Nickel	60-2	1593	1690	1617	1633	3.09	cps
Phosphorus	31-2	2924	2980	2787	2897	3.43	cps
Potassium	39-2	4146157	4070547	4014615	4077106	1.62	cps
Rhodium	103-1	7366759	7421272	7532805	7440279	1.14	cps
Rhodium	103-2	4929162	4876001	4883931	4896365	0.59	cps
Scandium	45-1	4299005	4447007	4377385	4374465	1.69	cps
Scandium	45-2	500559	496703	498156	498473	0.39	cps
Selenium	82-1	453	433	413	433	4.62	cps
Selenium	77-2	17	33	50	33	50.00	cps
Selenium	78-2	663	603	613	627	5.13	cps
Silicon	28-1	67123881	66192127	65225342	66180450	1.43	cps
Silver	107-1	310	317	213	280	20.65	cps
Silver	109-1	327	270	370	322	15.56	cps
Sodium	23-2	6205610	6180055	6355842	6247169	1.52	cps
Strontium	86-1	1765602	1731938	1694968	1730836	2.04	cps
Strontium	88-1	15228379	15235961	15007921	15157420	0.85	cps
Sulfur	34-1	1851678	1824239	1841296	1839071	0.75	cps
Terbium	159-1	9282260	9300717	9339248	9307408	0.31	cps
Terbium	159-2	6598087	6809122	6646288	6684499	1.65	cps
Thallium	203-1	153	167	113	144	19.22	cps
Thallium	205-1	357	373	427	386	9.48	cps
Tin	118-1	2877	2674	2834	2795	3.83	cps
Titanium	47-1	560	517	617	564	8.89	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-05	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:13:37	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	320	327	300	316	4.40	cps
Vanadium	51-2	327	253	297	292	12.62	cps
Yttrium	89-1	12833978	13200349	13030449	13021592	1.41	cps
Yttrium	89-2	3979987	3881425	3919262	3926891	1.27	cps
Zinc	66-2	3917	4297	4131	4115	4.63	cps
Zirconium	90-1	683	587	660	643	7.84	cps
Zirconium	91-1	133	150	147	143	6.15	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-06	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:16:45	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3570	3594	3500	3555	1.37	cps
Antimony	121-1	677	753	690	707	5.80	cps
Arsenic	75-2	200	217	243	220	9.94	cps
Barium	135-1	272249	272308	265646	270068	1.42	cps
Barium	137-1	468371	468694	459698	465588	1.10	cps
Beryllium	9-1	5	12	8	9	38.94	cps
Bismuth	209-1	5460819	5356155	5359048	5392008	1.11	cps
Bismuth	209-2	4855835	4860871	4782431	4833046	0.91	cps
Bromine	81-1	50045	58479	63141	57222	11.60	cps
Bromine	81-2	12585	12242	12148	12325	1.87	cps
Cadmium	108-1	17	7	7	10	57.72	cps
Cadmium	106-1	3487	3140	3174	3267	5.86	cps
Cadmium	111-1	2473	2220	2264	2319	5.82	cps
Calcium	43-1	1138361	1112715	1110657	1120577	1.38	cps
Calcium	44-1	18260925	17461305	17255551	17659260	3.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2474	2544	2717	2578	4.86	cps
Cobalt	59-2	9343	9430	9213	9329	1.17	cps
Copper	63-2	2454	2437	2210	2367	5.74	cps
Dysprosium	156-1	50	50	47	49	3.93	cps
Dysprosium	156-2	77	60	60	66	14.68	cps
Erbium	164-1	90	87	80	86	5.95	cps
Erbium	164-2	73	50	67	63	18.98	cps
Gadolinium	160-1	77	87	93	86	9.80	cps
Gadolinium	160-2	413	483	417	438	9.02	cps
Holmium	165-1	9061768	8603589	8512830	8726063	3.37	cps
Holmium	165-2	6626127	6659354	6594616	6626699	0.49	cps
Indium	115-1	7883482	7651498	7631155	7722045	1.82	cps
Indium	115-2	3036185	3069819	3029800	3045268	0.71	cps
Iron	56-2	69364577	68716337	68185011	68755308	0.86	cps
Iron	57-2	1732588	1765440	1751828	1749952	0.94	cps
Iron	54-2	3756789	3757702	3774026	3762839	0.26	cps
Krypton	83-1	457	443	477	459	3.66	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-06	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FI	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:16:45	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	910	967	843	907	6.81	cps
Lead	207-1	737	807	840	794	6.64	cps
Lead	208-1	3717	3687	3567	3657	2.17	cps
Lithium	6-1	769959	756338	737962	754753	2.13	cps
Magnesium	24-2	7092202	7224050	7095755	7137335	1.05	cps
Manganese	55-2	3595741	3612876	3598401	3602340	0.26	cps
Molybdenum	94-1	4191	3977	3944	4037	3.32	cps
Molybdenum	95-1	6852	6958	6892	6901	0.78	cps
Molybdenum	96-1	7742	7699	7585	7675	1.05	cps
Molybdenum	97-1	4271	4131	4164	4188	1.75	cps
Molybdenum	98-1	10674	11171	10284	10710	4.15	cps
Neodymium	150-1	70	80	70	73	7.87	cps
Neodymium	150-2	77	50	57	61	22.71	cps
Nickel	60-2	1653	1730	1567	1650	4.95	cps
Phosphorus	31-2	3047	3064	2794	2968	5.10	cps
Potassium	39-2	3985178	3972977	4046374	4001510	0.98	cps
Rhodium	103-1	7730836	7549806	7562614	7614419	1.33	cps
Rhodium	103-2	4788802	4801154	4812857	4800938	0.25	cps
Scandium	45-1	4580490	4415741	4360526	4452252	2.57	cps
Scandium	45-2	493692	489029	485005	489242	0.89	cps
Selenium	82-1	357	458	394	403	12.69	cps
Selenium	77-2	33	47	23	34	34.00	cps
Selenium	78-2	710	733	520	654	17.88	cps
Silicon	28-1	64273424	63053071	64275957	63867484	1.10	cps
Silver	107-1	293	260	320	291	10.33	cps
Silver	109-1	287	243	203	244	17.05	cps
Sodium	23-2	6341739	6166257	6303486	6270494	1.47	cps
Strontium	86-1	1662809	1610526	1618532	1630622	1.73	cps
Strontium	88-1	14181014	14299866	14242293	14241058	0.42	cps
Sulfur	34-1	1726743	1741920	1728489	1732384	0.48	cps
Terbium	159-1	9259089	9172226	9103503	9178273	0.85	cps
Terbium	159-2	6584136	6636167	6470798	6563700	1.29	cps
Thallium	203-1	170	147	130	149	13.49	cps
Thallium	205-1	363	370	397	377	4.68	cps
Tin	118-1	6835	7095	6735	6888	2.70	cps
Titanium	47-1	590	583	600	591	1.42	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-06	Instrumnet Name :	P7
Client Sample ID :	MW-19B-71.5-081325-FD	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:16:45	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	637	630	607	624	2.52	cps
Vanadium	51-2	313	310	257	293	10.84	cps
Yttrium	89-1	13321326	13250004	13174526	13248619	0.55	cps
Yttrium	89-2	3864177	3912839	3785699	3854238	1.66	cps
Zinc	66-2	4974	5011	4791	4925	2.39	cps
Zirconium	90-1	623	630	543	599	8.05	cps
Zirconium	91-1	103	170	103	126	30.66	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-07	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:19:54	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2504	2497	2400	2467	2.34	cps
Antimony	121-1	300	257	290	282	8.04	cps
Arsenic	75-2	20	43	33	32	36.33	cps
Barium	135-1	117	167	117	133	21.65	cps
Barium	137-1	243	263	223	243	8.22	cps
Beryllium	9-1	10	4	13	9	55.68	cps
Bismuth	209-1	5621737	5536908	5582965	5580537	0.76	cps
Bismuth	209-2	4924182	4892860	5013361	4943467	1.26	cps
Bromine	81-1	23402	22554	21993	22650	3.13	cps
Bromine	81-2	2320	2244	2160	2241	3.57	cps
Cadmium	108-1	17	7	13	12	41.65	cps
Cadmium	106-1	3187	3084	3167	3146	1.74	cps
Cadmium	111-1	2253	2187	2244	2228	1.60	cps
Calcium	43-1	623	590	537	583	7.49	cps
Calcium	44-1	34573	34245	34539	34452	0.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2427	2277	2364	2356	3.20	cps
Cobalt	59-2	110	100	83	98	13.78	cps
Copper	63-2	2400	2424	2227	2350	4.57	cps
Dysprosium	156-1	10	7	10	9	21.63	cps
Dysprosium	156-2	7	13	7	9	43.25	cps
Erbium	164-1	57	93	57	69	30.73	cps
Erbium	164-2	53	33	53	47	24.75	cps
Gadolinium	160-1	53	57	40	50	17.64	cps
Gadolinium	160-2	460	413	423	432	5.68	cps
Holmium	165-1	9057651	8543388	8710514	8770518	2.99	cps
Holmium	165-2	6497013	6544080	6577593	6539562	0.62	cps
Indium	115-1	7975427	7742723	7760988	7826379	1.65	cps
Indium	115-2	3087529	3079390	3140099	3102339	1.06	cps
Iron	56-2	123076	119468	119760	120768	1.66	cps
Iron	57-2	4147	4331	4541	4340	4.54	cps
Iron	54-2	8606	8396	8062	8355	3.28	cps
Krypton	83-1	403	477	453	444	8.43	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-07	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:19:54	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	897	863	863	874	2.20	cps
Lead	207-1	763	740	810	771	4.62	cps
Lead	208-1	3677	3490	3640	3602	2.75	cps
Lithium	6-1	777135	765239	756917	766430	1.33	cps
Magnesium	24-2	1660	1647	1717	1675	2.22	cps
Manganese	55-2	51641	49185	49841	50222	2.53	cps
Molybdenum	94-1	2647	2844	2727	2739	3.61	cps
Molybdenum	95-1	4911	4684	4481	4692	4.59	cps
Molybdenum	96-1	5218	5424	5148	5263	2.73	cps
Molybdenum	97-1	3120	2904	2944	2989	3.86	cps
Molybdenum	98-1	7649	7409	7539	7532	1.60	cps
Neodymium	150-1	7	3	10	7	50.03	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	670	727	590	662	10.37	cps
Phosphorus	31-2	820	707	860	796	10.00	cps
Potassium	39-2	167469	167567	165673	166903	0.64	cps
Rhodium	103-1	7902075	7656550	7557509	7705378	2.30	cps
Rhodium	103-2	4861632	4808190	4829121	4832981	0.56	cps
Scandium	45-1	4531161	4495551	4409729	4478814	1.39	cps
Scandium	45-2	493729	494736	495654	494706	0.19	cps
Selenium	82-1	398	336	333	356	10.32	cps
Selenium	77-2	13	43	10	22	82.62	cps
Selenium	78-2	493	627	557	559	11.93	cps
Silicon	28-1	573159	578948	577279	576462	0.52	cps
Silver	107-1	377	400	493	423	14.58	cps
Silver	109-1	340	330	450	373	17.83	cps
Sodium	23-2	65431	65247	64287	64988	0.95	cps
Strontium	86-1	920	973	1003	966	4.37	cps
Strontium	88-1	1743	1643	1710	1699	3.00	cps
Sulfur	34-1	145515	147898	149069	147494	1.23	cps
Terbium	159-1	9487868	9336431	8827875	9217391	3.75	cps
Terbium	159-2	6689400	6508408	6721246	6639685	1.73	cps
Thallium	203-1	137	183	100	140	29.83	cps
Thallium	205-1	310	257	247	271	12.56	cps
Tin	118-1	6358	6361	6698	6473	3.02	cps
Titanium	47-1	93	163	83	113	38.47	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-07	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:19:54	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	80	67	27	58	48.03	cps
Vanadium	51-2	47	33	37	39	17.85	cps
Yttrium	89-1	13513788	13155616	13008702	13226035	1.96	cps
Yttrium	89-2	3778526	3820683	3905715	3834975	1.69	cps
Zinc	66-2	4941	4941	5028	4970	1.01	cps
Zirconium	90-1	473	547	537	519	7.66	cps
Zirconium	91-1	113	87	93	98	14.19	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-08	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:23:11	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2597	2434	2337	2456	5.35	cps
Antimony	121-1	250	227	187	221	14.49	cps
Arsenic	75-2	27	30	23	27	12.51	cps
Barium	135-1	157	147	97	133	24.11	cps
Barium	137-1	210	253	213	226	10.69	cps
Beryllium	9-1	27	0	13	13	99.00	cps
Bismuth	209-1	5427749	5342648	5514535	5428311	1.58	cps
Bismuth	209-2	4860268	4804512	4832255	4832345	0.58	cps
Bromine	81-1	18245	18388	17841	18158	1.56	cps
Bromine	81-2	1827	1707	1470	1668	10.88	cps
Cadmium	108-1	33	20	13	22	45.83	cps
Cadmium	106-1	3480	3107	3234	3274	5.80	cps
Cadmium	111-1	2446	2184	2281	2304	5.75	cps
Calcium	43-1	527	490	593	537	9.76	cps
Calcium	44-1	33537	33824	32909	33424	1.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2630	2677	2340	2549	7.16	cps
Cobalt	59-2	83	133	97	104	24.79	cps
Copper	63-2	1763	1747	1890	1800	4.36	cps
Dysprosium	156-1	7	10	23	13	66.12	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	87	70	53	70	23.81	cps
Erbium	164-2	37	43	30	37	18.18	cps
Gadolinium	160-1	43	53	27	41	32.76	cps
Gadolinium	160-2	483	413	410	436	9.51	cps
Holmium	165-1	8644937	8648559	8348908	8547468	2.01	cps
Holmium	165-2	6399163	6335454	6275215	6336611	0.98	cps
Indium	115-1	7673058	7428603	7578453	7560038	1.63	cps
Indium	115-2	3071583	3030347	2931507	3011146	2.39	cps
Iron	56-2	43710	42584	42029	42774	2.00	cps
Iron	57-2	2364	2224	2344	2310	3.28	cps
Iron	54-2	4124	3861	3961	3982	3.34	cps
Krypton	83-1	393	507	487	462	13.09	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-08	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:23:11	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	750	883	737	790	10.27	cps
Lead	207-1	580	663	620	621	6.71	cps
Lead	208-1	2943	3047	2930	2973	2.15	cps
Lithium	6-1	761017	739724	741433	747391	1.58	cps
Magnesium	24-2	2337	2577	2424	2446	4.97	cps
Manganese	55-2	23103	22703	23136	22981	1.05	cps
Molybdenum	94-1	1023	1000	1033	1019	1.68	cps
Molybdenum	95-1	1457	1427	1413	1432	1.55	cps
Molybdenum	96-1	1607	1687	1583	1626	3.33	cps
Molybdenum	97-1	927	933	867	909	4.04	cps
Molybdenum	98-1	2337	2364	2374	2358	0.80	cps
Neodymium	150-1	3	13	3	7	86.65	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	640	587	517	581	10.64	cps
Phosphorus	31-2	697	577	653	642	9.46	cps
Potassium	39-2	100902	100462	100680	100681	0.22	cps
Rhodium	103-1	7561263	7438676	7459783	7486574	0.88	cps
Rhodium	103-2	4786223	4677918	4601580	4688574	1.98	cps
Scandium	45-1	4409295	4403591	4364408	4392431	0.56	cps
Scandium	45-2	485795	486461	482098	484785	0.48	cps
Selenium	82-1	387	266	280	311	21.25	cps
Selenium	77-2	10	17	20	16	32.73	cps
Selenium	78-2	553	603	547	568	5.45	cps
Silicon	28-1	580580	581617	595472	585890	1.42	cps
Silver	107-1	313	280	277	290	6.99	cps
Silver	109-1	243	290	290	274	9.82	cps
Sodium	23-2	52713	52322	51807	52281	0.87	cps
Strontium	86-1	890	933	810	878	7.13	cps
Strontium	88-1	1177	1057	1120	1118	5.37	cps
Sulfur	34-1	148968	149631	150543	149714	0.53	cps
Terbium	159-1	8978297	8889595	8794621	8887504	1.03	cps
Terbium	159-2	6523149	6504634	6224012	6417265	2.61	cps
Thallium	203-1	73	100	80	84	16.44	cps
Thallium	205-1	263	273	270	269	1.89	cps
Tin	118-1	4414	4521	4261	4399	2.97	cps
Titanium	47-1	73	113	113	100	23.10	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2869-08	Instrumnet Name :	P7
Client Sample ID :	EB01-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:23:11	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40	53	23	39	38.65	cps
Vanadium	51-2	53	33	67	51	32.83	cps
Yttrium	89-1	13054658	13018353	12838885	12970632	0.89	cps
Yttrium	89-2	3913491	3782944	3716465	3804300	2.63	cps
Zinc	66-2	4964	4764	4621	4783	3.61	cps
Zirconium	90-1	483	467	400	450	9.80	cps
Zirconium	91-1	103	80	70	84	20.25	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03DLX5	Instrumnet Name :	P7
Client Sample ID :	0804-EDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 16:26:31	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	708460	705257	701877	705198	0.47	cps
Antimony	121-1	1173	1163	1130	1156	1.96	cps
Arsenic	75-2	760	807	753	773	3.76	cps
Barium	135-1	137155	141863	139205	139408	1.69	cps
Barium	137-1	245002	245085	250989	247025	1.39	cps
Beryllium	9-1	1041	1121	1194	1119	6.85	cps
Bismuth	209-1	5016129	4853462	5025203	4964931	1.95	cps
Bismuth	209-2	4669463	4552125	4662845	4628145	1.42	cps
Bromine	81-1	21346	22514	23813	22557	5.47	cps
Bromine	81-2	3037	3114	3024	3058	1.59	cps
Cadmium	108-1	340	337	317	331	3.81	cps
Cadmium	106-1	3364	3664	3550	3526	4.30	cps
Cadmium	111-1	6861	7260	6894	7005	3.16	cps
Calcium	43-1	340721	334256	336122	337033	0.99	cps
Calcium	44-1	5314898	5389570	5273874	5326114	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48575	47829	47525	47976	1.13	cps
Cobalt	59-2	69494	68101	67806	68467	1.32	cps
Copper	63-2	65068	64090	65844	65001	1.35	cps
Dysprosium	156-1	14798	15429	15102	15109	2.09	cps
Dysprosium	156-2	14341	14671	14381	14464	1.25	cps
Erbium	164-1	18055	17511	17801	17789	1.53	cps
Erbium	164-2	13050	13727	13957	13578	3.47	cps
Gadolinium	160-1	16667	16400	16396	16488	0.94	cps
Gadolinium	160-2	13570	13690	14027	13762	1.72	cps
Holmium	165-1	8090585	8322258	8012693	8141845	1.98	cps
Holmium	165-2	6313265	6087769	6213928	6204987	1.82	cps
Indium	115-1	6880297	7084795	7005110	6990067	1.47	cps
Indium	115-2	2899579	2877038	2964242	2913620	1.55	cps
Iron	56-2	25103428	24639223	25246803	24996485	1.27	cps
Iron	57-2	645304	640283	649733	645106	0.73	cps
Iron	54-2	1416704	1397273	1366475	1393484	1.82	cps
Krypton	83-1	563	490	490	514	8.23	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03DLX5	Instrumnet Name :	P7
Client Sample ID :	0804-EDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 16:26:31	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	124582	128576	127047	126735	1.59	cps
Lead	207-1	106347	109278	111596	109074	2.41	cps
Lead	208-1	494964	495750	504532	498415	1.07	cps
Lithium	6-1	695979	694793	682112	690961	1.11	cps
Magnesium	24-2	3187235	3080138	3068986	3112120	2.10	cps
Manganese	55-2	703197	702605	709764	705189	0.56	cps
Molybdenum	94-1	16419	15542	16253	16071	2.90	cps
Molybdenum	95-1	12235	12362	12572	12390	1.37	cps
Molybdenum	96-1	14454	15281	15535	15090	3.75	cps
Molybdenum	97-1	7639	7735	7539	7638	1.29	cps
Molybdenum	98-1	19770	20211	19273	19751	2.38	cps
Neodymium	150-1	23059	22528	22762	22783	1.17	cps
Neodymium	150-2	14691	14941	14918	14850	0.93	cps
Nickel	60-2	16206	16523	16516	16415	1.10	cps
Phosphorus	31-2	36684	36093	37058	36612	1.33	cps
Potassium	39-2	2047711	2054959	2057586	2053418	0.25	cps
Rhodium	103-1	6945522	7126481	7147447	7073150	1.57	cps
Rhodium	103-2	4500222	4557489	4480098	4512603	0.89	cps
Scandium	45-1	4087842	4143099	4083693	4104878	0.81	cps
Scandium	45-2	469321	458418	465491	464410	1.19	cps
Selenium	82-1	360	477	409	415	14.10	cps
Selenium	77-2	83	117	110	103	17.07	cps
Selenium	78-2	693	743	657	698	6.23	cps
Silicon	28-1	47878583	49890916	49804248	49191249	2.31	cps
Silver	107-1	383	343	413	380	9.24	cps
Silver	109-1	287	343	343	324	10.08	cps
Sodium	23-2	12571171	12281929	12298876	12383992	1.31	cps
Strontium	86-1	153576	157000	156881	155819	1.25	cps
Strontium	88-1	1336592	1320256	1330297	1329049	0.62	cps
Sulfur	34-1	319125	315607	312472	315734	1.05	cps
Terbium	159-1	8365416	8589370	8361511	8438766	1.55	cps
Terbium	159-2	6360408	6295872	6207094	6287791	1.22	cps
Thallium	203-1	717	817	777	770	6.54	cps
Thallium	205-1	1950	1940	2020	1970	2.21	cps
Tin	118-1	5498	5741	5584	5608	2.20	cps
Titanium	47-1	29369	30691	30267	30109	2.24	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2840-03DLX5	Instrumnet Name :	P7
Client Sample ID :	0804-EDL	Dilution Factor :	5
Date & Time Acquired :	2025-08-15 16:26:31	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23511	23718	24590	23940	2.39	cps
Vanadium	51-2	227244	226145	227119	226836	0.27	cps
Yttrium	89-1	12428889	12384108	12098529	12303842	1.46	cps
Yttrium	89-2	3825036	3739190	3667917	3744048	2.10	cps
Zinc	66-2	67097	66682	66220	66666	0.66	cps
Zirconium	90-1	24848	25025	23893	24589	2.48	cps
Zirconium	91-1	5668	5358	5434	5487	2.95	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01DLX2	Instrumnet Name :	P7
Client Sample ID :	#452DL	Dilution Factor :	2
Date & Time Acquired :	2025-08-15 16:29:43	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	82293	82233	82096	82207	0.12	cps
Antimony	121-1	2304	2274	2047	2208	6.36	cps
Arsenic	75-2	180	240	217	212	14.25	cps
Barium	135-1	22815	22755	22708	22759	0.24	cps
Barium	137-1	38562	39485	38870	38973	1.21	cps
Beryllium	9-1	7	11	10	9	20.47	cps
Bismuth	209-1	5097025	5050469	4969635	5039043	1.28	cps
Bismuth	209-2	4718788	4700078	4651107	4689991	0.75	cps
Bromine	81-1	28264	32055	34160	31493	9.49	cps
Bromine	81-2	5618	5591	5614	5608	0.26	cps
Cadmium	108-1	47	37	37	40	14.43	cps
Cadmium	106-1	3284	3374	3040	3233	5.34	cps
Cadmium	111-1	2443	2523	2253	2406	5.77	cps
Calcium	43-1	35726	35335	36033	35698	0.98	cps
Calcium	44-1	606014	604747	596910	602557	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	70748	70899	70216	70621	0.51	cps
Cobalt	59-2	6245	5891	6098	6078	2.92	cps
Copper	63-2	102005	102546	100589	101713	0.99	cps
Dysprosium	156-1	143	207	150	167	20.88	cps
Dysprosium	156-2	163	167	123	151	15.96	cps
Erbium	164-1	227	240	207	224	7.47	cps
Erbium	164-2	160	203	127	163	23.54	cps
Gadolinium	160-1	200	243	227	223	9.79	cps
Gadolinium	160-2	623	513	603	580	10.10	cps
Holmium	165-1	8345133	8213293	8292958	8283795	0.80	cps
Holmium	165-2	6332023	6320738	6203157	6285306	1.14	cps
Indium	115-1	7225385	7249283	7041749	7172139	1.58	cps
Indium	115-2	2914462	2942134	2936524	2931040	0.50	cps
Iron	56-2	437669220	434767714	432265700	434900878	0.62	cps
Iron	57-2	10751419	10683412	10465792	10633541	1.40	cps
Iron	54-2	24350460	23693259	23539713	23861144	1.80	cps
Krypton	83-1	567	603	460	543	13.70	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01DLX2	Instrumnet Name :	P7
Client Sample ID :	#452DL	Dilution Factor :	2
Date & Time Acquired :	2025-08-15 16:29:43	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	36456	36549	36453	36486	0.15	cps
Lead	207-1	29830	30511	30133	30158	1.13	cps
Lead	208-1	140894	140502	140846	140747	0.15	cps
Lithium	6-1	705515	706492	706889	706299	0.10	cps
Magnesium	24-2	81465	81394	81512	81457	0.07	cps
Manganese	55-2	969637	976418	957206	967754	1.01	cps
Molybdenum	94-1	7495	7392	6858	7249	4.72	cps
Molybdenum	95-1	10307	10524	10047	10293	2.32	cps
Molybdenum	96-1	14277	14084	13740	14034	1.94	cps
Molybdenum	97-1	6281	6385	6391	6353	0.97	cps
Molybdenum	98-1	15972	16219	15979	16057	0.88	cps
Neodymium	150-1	263	320	290	291	9.74	cps
Neodymium	150-2	230	187	240	219	12.95	cps
Nickel	60-2	4794	4504	4607	4635	3.17	cps
Phosphorus	31-2	833	807	763	801	4.41	cps
Potassium	39-2	1337104	1290811	1277336	1301750	2.41	cps
Rhodium	103-1	7166957	7193801	7093391	7151383	0.73	cps
Rhodium	103-2	4569630	4560384	4514100	4548038	0.65	cps
Scandium	45-1	4281669	4165059	4199379	4215369	1.42	cps
Scandium	45-2	466942	466477	469282	467567	0.32	cps
Selenium	82-1	252	199	341	264	27.20	cps
Selenium	77-2	27	27	27	27	0.00	cps
Selenium	78-2	610	637	607	618	2.66	cps
Silicon	28-1	2625471	2624778	2619445	2623231	0.13	cps
Silver	107-1	527	483	500	503	4.34	cps
Silver	109-1	483	437	450	457	5.26	cps
Sodium	23-2	52882184	53006739	51948516	52612480	1.10	cps
Strontium	86-1	20581	20831	20404	20606	1.04	cps
Strontium	88-1	172919	173327	171532	172593	0.55	cps
Sulfur	34-1	170557	176291	180509	175785	2.84	cps
Terbium	159-1	8913836	8443116	8531292	8629415	2.90	cps
Terbium	159-2	6404703	6296829	6303063	6334865	0.96	cps
Thallium	203-1	123	110	123	119	6.48	cps
Thallium	205-1	277	247	233	252	8.80	cps
Tin	118-1	16546	16980	16463	16663	1.67	cps
Titanium	47-1	5188	5294	5251	5244	1.02	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-01DLX2	Instrumnet Name :	P7
Client Sample ID :	#452DL	Dilution Factor :	2
Date & Time Acquired :	2025-08-15 16:29:43	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	180	207	163	183	11.92	cps
Vanadium	51-2	3437	3440	3330	3403	1.84	cps
Yttrium	89-1	12713979	12433812	12481920	12543237	1.19	cps
Yttrium	89-2	3728985	3728952	3658870	3705602	1.09	cps
Zinc	66-2	176676	176208	174939	175941	0.51	cps
Zirconium	90-1	4047	3921	3961	3976	1.63	cps
Zirconium	91-1	833	903	923	887	5.33	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	#456DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:32:59	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12198	12032	11718	11983	2.04	cps
Antimony	121-1	7765	8166	8739	8224	5.95	cps
Arsenic	75-2	1287	1293	1377	1319	3.80	cps
Barium	135-1	8329	8162	7949	8147	2.34	cps
Barium	137-1	13803	13780	13710	13765	0.35	cps
Beryllium	9-1	14	10	4	9	55.93	cps
Bismuth	209-1	3491130	3524221	3501827	3505726	0.48	cps
Bismuth	209-2	3214726	3171395	3200782	3195634	0.69	cps
Bromine	81-1	563022	718389	769551	683654	15.73	cps
Bromine	81-2	175307	178404	180812	178174	1.55	cps
Cadmium	108-1	2684	2780	2714	2726	1.82	cps
Cadmium	106-1	2274	2050	1940	2088	8.14	cps
Cadmium	111-1	2890	2783	2496	2723	7.49	cps
Calcium	43-1	4958	5298	5361	5205	4.17	cps
Calcium	44-1	122403	126415	125998	124939	1.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5431	5771	5681	5628	3.13	cps
Cobalt	59-2	390	333	363	362	7.83	cps
Copper	63-2	139737	139514	140023	139758	0.18	cps
Dysprosium	156-1	3	27	30	20	72.66	cps
Dysprosium	156-2	7	13	3	8	65.47	cps
Erbium	164-1	47	57	50	51	9.96	cps
Erbium	164-2	43	47	40	43	7.70	cps
Gadolinium	160-1	33	40	40	38	10.19	cps
Gadolinium	160-2	343	307	303	318	6.98	cps
Holmium	165-1	5670346	5681308	5486141	5612598	1.95	cps
Holmium	165-2	4316130	4323088	4306789	4315336	0.19	cps
Indium	115-1	4836880	4951042	4827319	4871747	1.41	cps
Indium	115-2	1990393	2018646	1998203	2002414	0.73	cps
Iron	56-2	226157	230713	228966	228612	1.01	cps
Iron	57-2	7105	7285	7098	7163	1.48	cps
Iron	54-2	14460	14560	14100	14374	1.68	cps
Krypton	83-1	483	533	510	509	4.92	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	#456DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:32:59	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12759	13327	13470	13185	2.85	cps
Lead	207-1	11075	11248	11268	11197	0.95	cps
Lead	208-1	50761	53035	52584	52126	2.31	cps
Lithium	6-1	515034	514940	519340	516438	0.49	cps
Magnesium	24-2	37182	38064	37883	37710	1.24	cps
Manganese	55-2	47285	47067	47248	47200	0.25	cps
Molybdenum	94-1	12024307	12173051	12121958	12106439	0.62	cps
Molybdenum	95-1	21447594	21650911	22131187	21743231	1.61	cps
Molybdenum	96-1	22539567	22959370	23409535	22969490	1.89	cps
Molybdenum	97-1	13140940	13297986	13476582	13305170	1.26	cps
Molybdenum	98-1	33703194	34702049	34637463	34347569	1.63	cps
Neodymium	150-1	7	17	20	14	48.02	cps
Neodymium	150-2	10	10	10	10	0.00	cps
Nickel	60-2	863	870	1043	926	11.03	cps
Phosphorus	31-2	7552	7759	7805	7705	1.75	cps
Potassium	39-2	59758267	57960167	58641284	58786573	1.54	cps
Rhodium	103-1	4716008	4772644	4683164	4723939	0.96	cps
Rhodium	103-2	3105623	3110921	3110588	3109044	0.10	cps
Scandium	45-1	2752504	2804916	2705711	2754377	1.80	cps
Scandium	45-2	314969	315913	310300	313727	0.96	cps
Selenium	82-1	954	1087	1102	1048	7.79	cps
Selenium	77-2	137	133	107	126	13.10	cps
Selenium	78-2	960	980	953	964	1.44	cps
Silicon	28-1	3813565	4153425	4332393	4099794	6.43	cps
Silver	107-1	727	717	700	714	1.89	cps
Silver	109-1	633	690	750	691	8.44	cps
Sodium	23-2	31911729	32019540	32052985	31994751	0.23	cps
Strontium	86-1	22614	22945	22968	22842	0.87	cps
Strontium	88-1	188832	191420	192825	191026	1.06	cps
Sulfur	34-1	166974	161136	156727	161612	3.18	cps
Terbium	159-1	5944272	5789681	5784273	5839409	1.56	cps
Terbium	159-2	4359925	4407826	4284179	4350643	1.43	cps
Thallium	203-1	247	207	233	229	8.90	cps
Thallium	205-1	553	550	573	559	2.26	cps
Tin	118-1	6128	6171	6235	6178	0.87	cps
Titanium	47-1	500	580	533	538	7.47	cps

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LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2856-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	#456DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:32:59	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	90	90	77	86	9.00	cps
Vanadium	51-2	930	940	863	911	4.57	cps
Yttrium	89-1	8370604	8283829	8165346	8273259	1.25	cps
Yttrium	89-2	2463966	2478409	2485778	2476051	0.45	cps
Zinc	66-2	103130	102842	103106	103026	0.16	cps
Zirconium	90-1	850	617	677	714	16.96	cps
Zirconium	91-1	183	187	137	169	16.55	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:36:10	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	269727	269648	266184	268520	0.75	cps
Antimony	121-1	2377	2844	3330	2850	16.73	cps
Arsenic	75-2	1460	1533	1410	1468	4.23	cps
Barium	135-1	6075	6778	6198	6350	5.92	cps
Barium	137-1	10124	10744	10581	10483	3.07	cps
Beryllium	9-1	10	4	7	7	46.00	cps
Bismuth	209-1	3635024	3671674	3612193	3639630	0.82	cps
Bismuth	209-2	3244466	3267775	3182467	3231569	1.36	cps
Bromine	81-1	657190	877923	963367	832827	18.97	cps
Bromine	81-2	219428	221931	223831	221730	1.00	cps
Cadmium	108-1	527	523	630	560	10.83	cps
Cadmium	106-1	2077	2020	2024	2040	1.56	cps
Cadmium	111-1	1838	1831	1845	1838	0.39	cps
Calcium	43-1	18465	18728	19022	18738	1.49	cps
Calcium	44-1	336874	341708	341767	340116	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5058	5044	5011	5038	0.48	cps
Cobalt	59-2	177	160	207	181	13.06	cps
Copper	63-2	170982	170895	171738	171205	0.27	cps
Dysprosium	156-1	7	3	0	3	100.05	cps
Dysprosium	156-2	3	7	7	6	34.70	cps
Erbium	164-1	53	40	43	46	15.23	cps
Erbium	164-2	17	57	23	32	66.51	cps
Gadolinium	160-1	30	53	30	38	35.66	cps
Gadolinium	160-2	367	290	310	322	12.34	cps
Holmium	165-1	5708072	5690191	5742710	5713658	0.47	cps
Holmium	165-2	4345277	4272380	4308104	4308587	0.85	cps
Indium	115-1	4901225	4931611	4929808	4920881	0.35	cps
Indium	115-2	2000905	2026143	2012338	2013129	0.63	cps
Iron	56-2	226802	228221	226788	227270	0.36	cps
Iron	57-2	7509	7515	7792	7605	2.13	cps
Iron	54-2	13950	14257	14674	14294	2.54	cps
Krypton	83-1	480	470	523	491	5.77	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:36:10	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1837	1823	1767	1809	2.05	cps
Lead	207-1	1490	1477	1673	1547	7.11	cps
Lead	208-1	7077	7017	7241	7112	1.63	cps
Lithium	6-1	521933	522850	523049	522611	0.11	cps
Magnesium	24-2	30447	29575	29405	29809	1.88	cps
Manganese	55-2	183705	184242	185812	184586	0.59	cps
Molybdenum	94-1	2421192	2563847	2558803	2514614	3.22	cps
Molybdenum	95-1	4305456	4464800	4419203	4396486	1.87	cps
Molybdenum	96-1	4682820	4804711	4623966	4703832	1.96	cps
Molybdenum	97-1	2679587	2774498	2773136	2742407	1.98	cps
Molybdenum	98-1	6993587	7196712	7052240	7080846	1.48	cps
Neodymium	150-1	7	7	3	6	34.70	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	813	930	863	869	6.74	cps
Phosphorus	31-2	867	940	900	902	4.07	cps
Potassium	39-2	39411494	39392303	39338639	39380812	0.10	cps
Rhodium	103-1	4830770	4884230	4856070	4857023	0.55	cps
Rhodium	103-2	3138607	3186119	3160065	3161597	0.75	cps
Scandium	45-1	2850756	2838564	2856992	2848771	0.33	cps
Scandium	45-2	318616	318057	318243	318306	0.09	cps
Selenium	82-1	927	1202	1256	1128	15.60	cps
Selenium	77-2	123	150	97	123	21.62	cps
Selenium	78-2	960	987	973	973	1.37	cps
Silicon	28-1	2345285	2578289	2663147	2528907	6.51	cps
Silver	107-1	227	187	217	210	9.91	cps
Silver	109-1	193	190	163	182	9.02	cps
Sodium	23-2	20986487	21023665	20898086	20969413	0.31	cps
Strontium	86-1	9380	9036	9493	9303	2.56	cps
Strontium	88-1	73118	73456	73399	73324	0.25	cps
Sulfur	34-1	165741	163464	161248	163484	1.37	cps
Terbium	159-1	5984568	5930415	6003739	5972907	0.64	cps
Terbium	159-2	4395320	4470560	4280424	4382101	2.19	cps
Thallium	203-1	380	317	390	362	10.98	cps
Thallium	205-1	837	950	737	841	12.69	cps
Tin	118-1	5228	5815	5735	5592	5.69	cps
Titanium	47-1	330	330	303	321	4.80	cps

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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	Q2865-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	LAW-25-0109DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-15 16:36:10	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	133	173	147	151	13.48	cps
Vanadium	51-2	1767	1787	1877	1810	3.24	cps
Yttrium	89-1	8357856	8404610	8497173	8419880	0.84	cps
Yttrium	89-2	2541221	2571445	2551084	2554583	0.60	cps
Zinc	66-2	194592	195302	192863	194252	0.65	cps
Zirconium	90-1	893	903	877	891	1.51	cps
Zirconium	91-1	203	213	157	191	15.83	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:39:21	DataFile Name :	070CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9664572	9263277	9358534	9428794	2.22	cps
Antimony	121-1	3169420	3240189	3113460	3174357	2.00	cps
Arsenic	75-2	219697	215148	214252	216366	1.35	cps
Barium	135-1	3766973	3854750	3929684	3850469	2.12	cps
Barium	137-1	6533707	6565767	6588430	6562635	0.42	cps
Beryllium	9-1	370238	382331	375439	376003	1.61	cps
Bismuth	209-1	5148535	4813025	4853962	4938507	3.71	cps
Bismuth	209-2	4618661	4488316	4548171	4551716	1.43	cps
Bromine	81-1	108609	98140	90660	99136	9.09	cps
Bromine	81-2	13863	13553	12632	13349	4.80	cps
Cadmium	108-1	58956	61031	60415	60134	1.77	cps
Cadmium	106-1	85470	86389	87908	86589	1.42	cps
Cadmium	111-1	833701	841518	837738	837652	0.47	cps
Calcium	43-1	4392423	4401258	4379010	4390897	0.26	cps
Calcium	44-1	70745797	70082044	71666142	70831328	1.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1690279	1740820	1711715	1714271	1.48	cps
Cobalt	59-2	2566363	2616356	2588134	2590284	0.97	cps
Copper	63-2	19647529	19193511	19798211	19546417	1.61	cps
Dysprosium	156-1	190	170	233	198	16.37	cps
Dysprosium	156-2	367	307	350	341	9.08	cps
Erbium	164-1	403	383	493	427	13.73	cps
Erbium	164-2	293	273	283	283	3.53	cps
Gadolinium	160-1	223	260	250	244	7.75	cps
Gadolinium	160-2	557	673	567	599	10.80	cps
Holmium	165-1	8727423	8070130	8100917	8299490	4.47	cps
Holmium	165-2	6561618	6482812	6354232	6466220	1.62	cps
Indium	115-1	7232162	6702967	7091223	7008784	3.91	cps
Indium	115-2	2983499	2860932	2961688	2935373	2.23	cps
Iron	56-2	402496941	398395714	394343847	398412167	1.02	cps
Iron	57-2	9938118	10001540	9972574	9970744	0.32	cps
Iron	54-2	21970097	22208363	22045431	22074631	0.55	cps
Krypton	83-1	503	493	537	511	4.44	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:39:21	DataFile Name :	070CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11566302	11915441	11563774	11681839	1.73	cps
Lead	207-1	10077325	10221890	9843141	10047452	1.90	cps
Lead	208-1	46168817	46162772	45429558	45920382	0.93	cps
Lithium	6-1	762105	710106	726611	732941	3.63	cps
Magnesium	24-2	81721522	79827160	80997529	80848737	1.18	cps
Manganese	55-2	14519072	14646240	14457770	14541027	0.66	cps
Molybdenum	94-1	11687722	11997961	11883202	11856295	1.32	cps
Molybdenum	95-1	17008050	17165394	17456530	17209991	1.32	cps
Molybdenum	96-1	18116238	18507008	18570441	18397896	1.34	cps
Molybdenum	97-1	10313957	10662663	10448601	10475074	1.68	cps
Molybdenum	98-1	26832055	27490975	27217086	27180039	1.22	cps
Neodymium	150-1	213	210	163	196	14.29	cps
Neodymium	150-2	53	80	80	71	21.65	cps
Nickel	60-2	653143	643770	642512	646475	0.90	cps
Phosphorus	31-2	104183	103052	103945	103726	0.58	cps
Potassium	39-2	48523888	47877909	48813333	48405043	0.99	cps
Rhodium	103-1	7091777	6691768	6753842	6845796	3.14	cps
Rhodium	103-2	4588842	4442113	4436411	4489122	1.92	cps
Scandium	45-1	4465281	4098030	4171043	4244785	4.58	cps
Scandium	45-2	489161	487783	479313	485419	1.10	cps
Selenium	82-1	61780	63608	63620	63003	1.68	cps
Selenium	77-2	7866	7956	7886	7902	0.60	cps
Selenium	78-2	26354	26090	26020	26154	0.67	cps
Silicon	28-1	8802546	9200160	8883338	8962015	2.34	cps
Silver	107-1	4228832	4274195	4253411	4252146	0.53	cps
Silver	109-1	3979372	3973995	4095889	4016419	1.71	cps
Sodium	23-2	122511068	121733068	118563988	120936042	1.73	cps
Strontium	86-1	1067303	1097898	1079947	1081716	1.42	cps
Strontium	88-1	9524526	9822903	9571127	9639519	1.67	cps
Sulfur	34-1	382164	388251	386905	385773	0.83	cps
Terbium	159-1	9134053	8519012	8334359	8662475	4.83	cps
Terbium	159-2	6680406	6497649	6355376	6511144	2.50	cps
Thallium	203-1	2941457	2922654	2820267	2894793	2.25	cps
Thallium	205-1	6788687	6908151	6726806	6807881	1.35	cps
Tin	118-1	2668011	2650339	2582694	2633681	1.71	cps
Titanium	47-1	4286231	4366521	4288101	4313618	1.06	cps

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Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:39:21	DataFile Name :	070CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8863992	8920570	8861114	8881892	0.38	cps
Vanadium	51-2	1472115	1459757	1449722	1460531	0.77	cps
Yttrium	89-1	12835901	11957273	12399839	12397671	3.54	cps
Yttrium	89-2	3934373	3815777	3735212	3828454	2.62	cps
Zinc	66-2	3538295	3544299	3525151	3535915	0.28	cps
Zirconium	90-1	5774696	5804508	5906028	5828411	1.18	cps
Zirconium	91-1	1250858	1270909	1272956	1264907	0.97	cps

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:50:13	DataFile Name :	071CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1600	1510	1637	1582	4.12	cps
Antimony	121-1	267	257	263	262	1.94	cps
Arsenic	75-2	20	23	37	27	33.08	cps
Barium	135-1	140	140	137	139	1.38	cps
Barium	137-1	183	263	207	218	18.89	cps
Beryllium	9-1	7	7	10	8	24.40	cps
Bismuth	209-1	5005473	5112509	5035442	5051142	1.09	cps
Bismuth	209-2	4590191	4425755	4384818	4466921	2.43	cps
Bromine	81-1	17327	17250	17213	17264	0.34	cps
Bromine	81-2	1437	1350	1450	1412	3.84	cps
Cadmium	108-1	23	3	27	18	71.00	cps
Cadmium	106-1	2744	2770	2544	2686	4.61	cps
Cadmium	111-1	1931	1977	1782	1897	5.38	cps
Calcium	43-1	503	583	533	540	7.48	cps
Calcium	44-1	38556	38034	38265	38285	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2740	2767	2674	2727	1.76	cps
Cobalt	59-2	120	80	87	96	22.43	cps
Copper	63-2	1560	1597	1403	1520	6.76	cps
Dysprosium	156-1	7	3	10	7	50.03	cps
Dysprosium	156-2	3	3	10	6	69.34	cps
Erbium	164-1	67	53	43	54	21.51	cps
Erbium	164-2	53	40	47	47	14.28	cps
Gadolinium	160-1	63	40	40	48	28.19	cps
Gadolinium	160-2	477	487	507	490	3.12	cps
Holmium	165-1	7799741	7881616	7722288	7801215	1.02	cps
Holmium	165-2	6034107	5838234	5904726	5925689	1.68	cps
Indium	115-1	6978419	7038941	6797993	6938451	1.81	cps
Indium	115-2	2830106	2780289	2839571	2816656	1.13	cps
Iron	56-2	26637	26704	26447	26596	0.50	cps
Iron	57-2	1887	1877	1987	1917	3.17	cps
Iron	54-2	7482	3240	3350	4691	51.54	cps
Krypton	83-1	530	487	527	514	4.69	cps

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Inst Id :P7
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LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:50:13	DataFile Name :	071CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	687	690	700	692	1.00	cps
Lead	207-1	557	550	533	547	2.20	cps
Lead	208-1	2613	2663	2613	2630	1.10	cps
Lithium	6-1	713981	707344	700634	707320	0.94	cps
Magnesium	24-2	1493	1290	1437	1407	7.46	cps
Manganese	55-2	1119	1165	1252	1179	5.72	cps
Molybdenum	94-1	380	383	393	386	1.80	cps
Molybdenum	95-1	387	380	357	374	4.21	cps
Molybdenum	96-1	560	437	527	508	12.56	cps
Molybdenum	97-1	363	330	303	332	9.05	cps
Molybdenum	98-1	537	680	550	589	13.45	cps
Neodymium	150-1	7	17	3	9	78.08	cps
Neodymium	150-2	0	17	13	10	88.20	cps
Nickel	60-2	670	703	713	696	3.26	cps
Phosphorus	31-2	467	510	633	537	16.11	cps
Potassium	39-2	91606	89504	90313	90474	1.17	cps
Rhodium	103-1	6900712	6939819	6689259	6843263	1.97	cps
Rhodium	103-2	4402988	4455781	4400777	4419849	0.70	cps
Scandium	45-1	4166825	4086314	4033832	4095657	1.64	cps
Scandium	45-2	444349	447376	439112	443613	0.94	cps
Selenium	82-1	238	365	247	284	25.01	cps
Selenium	77-2	23	40	27	30	29.40	cps
Selenium	78-2	613	577	627	606	4.28	cps
Silicon	28-1	581777	583807	580566	582050	0.28	cps
Silver	107-1	487	393	397	426	12.44	cps
Silver	109-1	430	313	320	354	18.48	cps
Sodium	23-2	54723	54252	54292	54422	0.48	cps
Strontium	86-1	857	867	897	873	2.38	cps
Strontium	88-1	870	857	720	816	10.18	cps
Sulfur	34-1	149546	151425	150731	150567	0.63	cps
Terbium	159-1	8148823	8020802	8063876	8077834	0.81	cps
Terbium	159-2	6037538	5965509	6003889	6002312	0.60	cps
Thallium	203-1	140	80	130	117	27.55	cps
Thallium	205-1	303	267	273	281	6.95	cps
Tin	118-1	2014	1950	1913	1959	2.58	cps
Titanium	47-1	83	120	83	96	22.16	cps

Reviewed By:jaswal
On:8/19/2025 12:08:39 PM
Inst Id :P7
LB :LB136861

LB Number :	LB136861	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-08-15 16:50:13	DataFile Name :	071CCBE.d

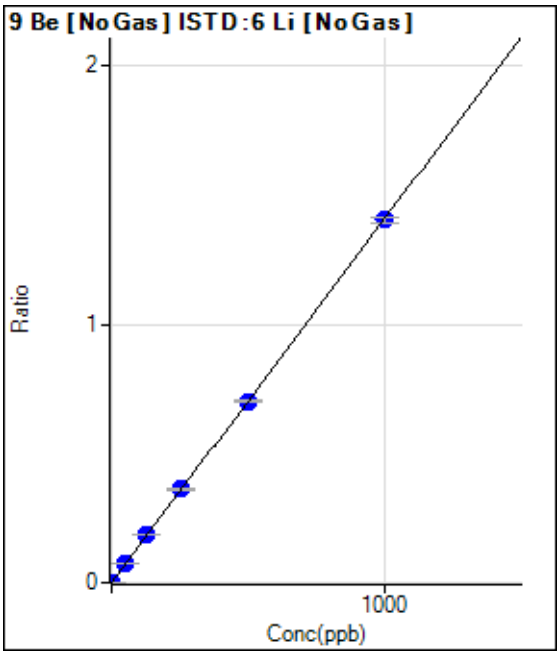
Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	37	30	33	33	10.01	cps
Vanadium	51-2	17	40	30	29	40.51	cps
Yttrium	89-1	12084998	12314498	11550929	11983475	3.27	cps
Yttrium	89-2	3522569	3517042	3474347	3504653	0.75	cps
Zinc	66-2	4667	4557	4391	4539	3.07	cps
Zirconium	90-1	450	460	530	480	9.08	cps
Zirconium	91-1	80	57	97	78	25.83	cps

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On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7082125-MS.b\
Analysis File: P7082125-MS.batch.bin
DA Date-Time: 2025-08-21 15:55:16
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-08-21 11:33:15
2	006CALS.d	S02	2025-08-21 11:39:47
3	007CALS.d	S03	2025-08-21 11:43:03
4	008CALS.d	S04	2025-08-21 11:46:12
5	009CALS.d	S05	2025-08-21 11:49:12
6	010CALS.d	S06	2025-08-21 11:52:04
7	011CALS.d	S07	2025-08-21 11:54:49
8	012CALS.d	S08	2025-08-21 11:57:37

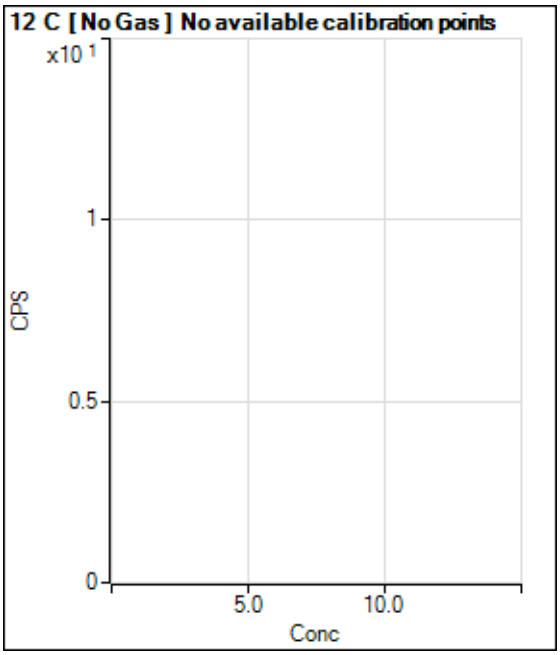
Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.44	0.0000	P	113.
2	☐	1.000	1.141	725.58	0.0016	P	10.7
3	☐	50.000	51.541	33098.79	0.0726	P	1.1
4	☐	125.000	132.247	84099.52	0.1862	P	0.3
5	☐	250.000	256.835	165806.58	0.3617	P	1.1
6	☐	500.000	499.507	325799.32	0.7034	P	1.7
7	☐	1000.000	997.555	642501.85	1.4047	P	1.9
8	☐			112.22	0.0002	P	1.2

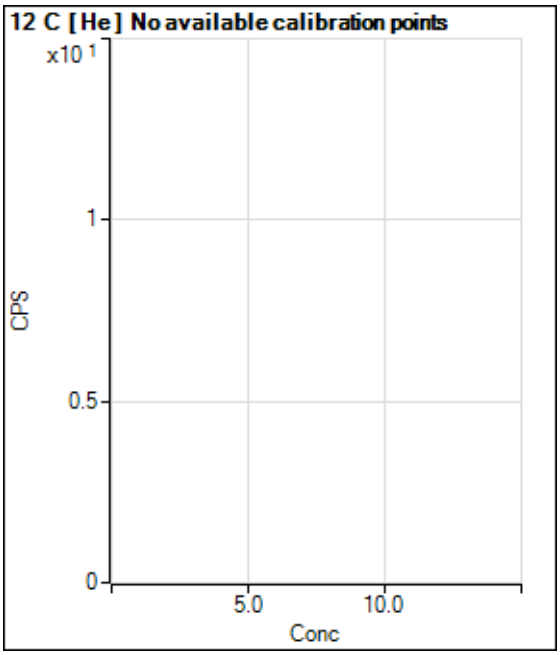
y = 0.0014 * x + 1.0435E-005
R = 1.0000
DL = 0.02528
BEC = 0.00741

Weight: <None>
Min Conc: <None>

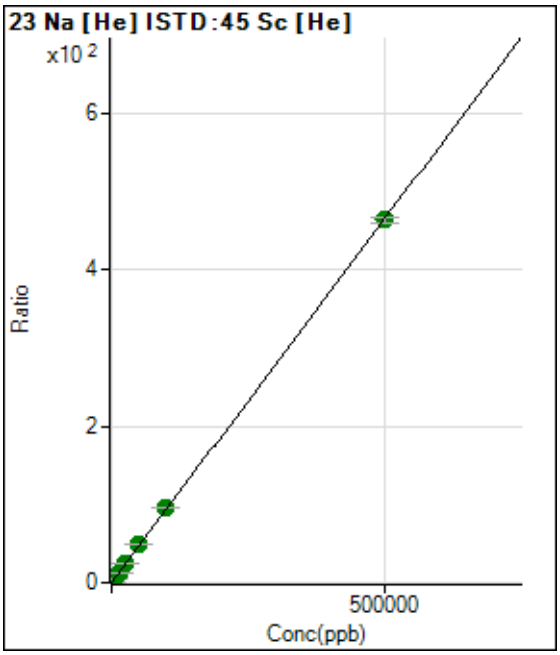


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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On:8/25/2025 3:50:25 PM
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LB :LB136916



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

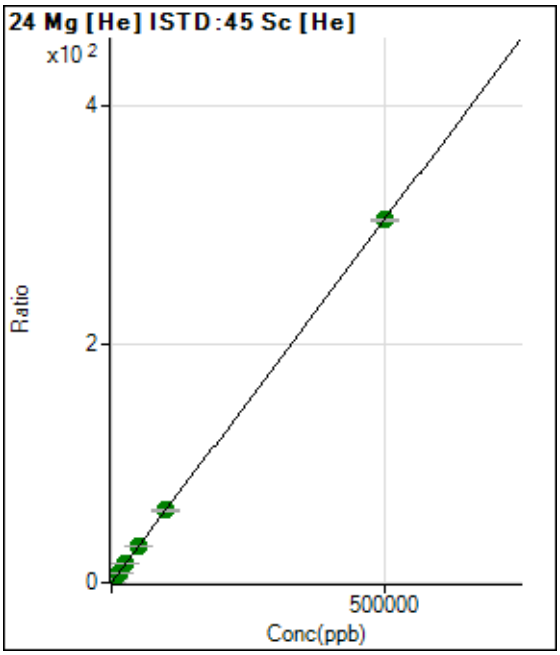


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1	☐	0.000	0.000	34568.79	0.0767	P	0.9
2	☐	500.000	545.458	271774.92	0.5839	P	1.5
3	☐	5000.000	5149.114	2268670.87	4.8646	A	2.0
4	☐	12500.000	13414.340	5704817.14	12.5500	A	2.0
5	☐	25000.000	26934.125	11488002.19	25.1214	A	0.8
6	☐	50000.000	51840.816	22147417.17	48.2810	A	0.7
7	☐	100000.00	103830.86	45607362.66	96.6241	A	0.8
8	☐	500000.00	498928.64	224460452.2	464.0068	A	1.3

y = 9.2985E-004 * x + 0.0767
R = 1.0000
DL = 2.17
BEC = 82.44

Weight: <None>
Min Conc: <None>

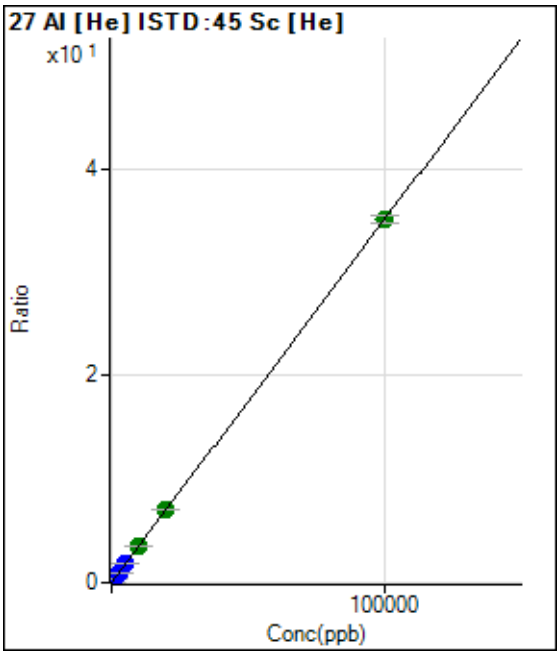
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On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	423.35	0.0009	P	1.5
2	☐	500.000	539.255	153049.24	0.3288	P	2.0
3	☐	5000.000	5115.235	1450984.98	3.1109	A	0.7
4	☐	12500.000	13210.093	3651465.08	8.0325	A	1.1
5	☐	25000.000	26025.550	7236459.75	15.8241	A	1.2
6	☐	50000.000	51292.619	14305902.29	31.1861	A	0.7
7	☐	100000.00	99719.863	28618631.52	60.6292	A	1.1
8	☐	500000.00	499856.54	146996750.0	303.9068	A	0.8

y = 6.0799E-004 * x + 9.3877E-004
R = 1.0000
DL = 0.06832
BEC = 1.544

Weight: <None>
Min Conc: <None>

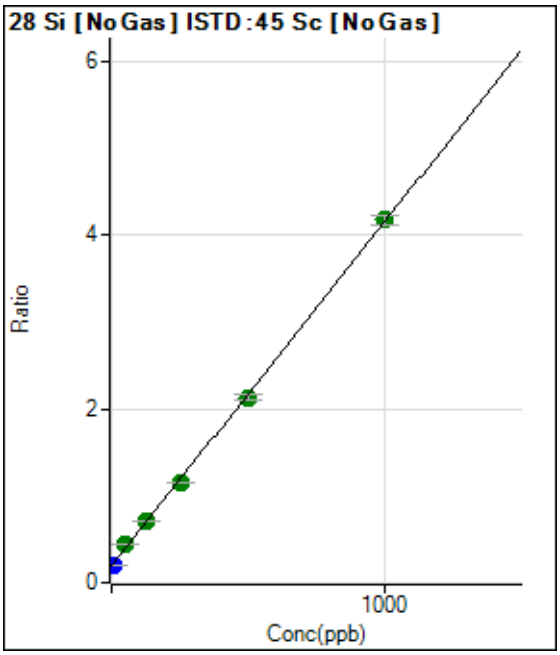


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1744.57	0.0039	P	4.2
2	☐	20.000	20.815	5195.37	0.0112	P	3.7
3	☐	1000.000	1017.842	168146.61	0.3605	P	1.0
4	☐	2500.000	2625.153	419917.44	0.9237	P	0.5
5	☐	5000.000	5147.941	826646.40	1.8077	P	0.1
6	☐	10000.000	10237.690	1647292.27	3.5911	A	1.4
7	☐	20000.000	20155.608	3335234.25	7.0663	A	1.8
8	☐	100000.00	99934.405	16937682.25	35.0205	A	2.0

y = 3.5040E-004 * x + 0.0039
R = 1.0000
DL = 1.376
BEC = 11.04

Weight: <None>
Min Conc: <None>

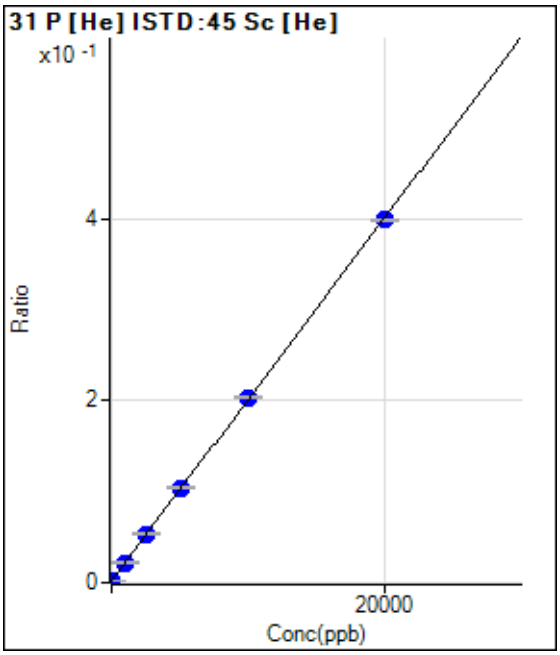
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	816729.37	0.1937	P	1.0
2	☐	10.000	-0.256	838008.62	0.1927	P	2.0
3	☐	50.000	63.048	1911564.36	0.4435	A	0.6
4	☐	125.000	130.192	3028745.93	0.7095	A	1.2
5	☐	250.000	242.546	4966183.22	1.1546	A	0.7
6	☐	500.000	489.307	9218255.63	2.1321	A	2.7
7	☐	1000.000	1006.011	18093390.28	4.1791	A	2.4
8	☐			861942.08	0.1989	P	0.8

y = 0.0040 * x + 0.1937
R = 0.9997
DL = 1.523
BEC = 48.9

Weight: <None>
Min Conc: <None>

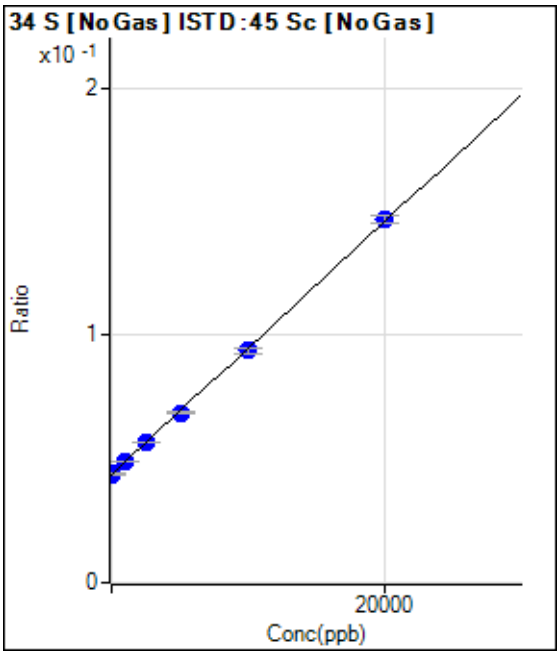


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-19.961	808.92	0.0018	P	3.5
2	☐	0.000	19.961	1205.62	0.0026	P	3.2
3	☐	1000.000	1002.715	10352.49	0.0222	P	2.9
4	☐	2500.000	2585.169	24439.67	0.0538	P	1.8
5	☐	5000.000	5134.994	47846.07	0.1046	P	0.3
6	☐	10000.000	10105.851	93479.14	0.2038	P	1.3
7	☐	20000.000	19902.544	188438.61	0.3992	P	0.4
8	☐			845.59	0.0017	P	5.3

y = 1.9949E-005 * x + 0.0022
R = 0.9999
DL = 10.92
BEC = 109.9

Weight: <None>
Min Conc: <None>

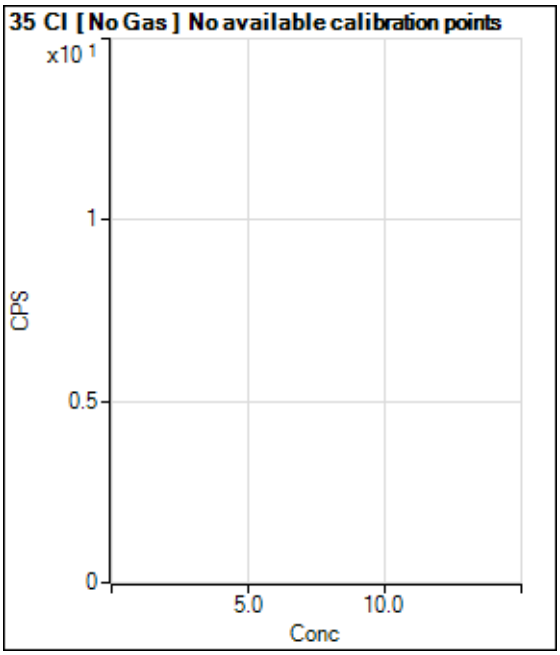
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LB :LB136916



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-39.097	183931.43	0.0436	P	1.8
2	☐	0.000	39.097	191456.31	0.0440	P	2.5
3	☐	1000.000	1040.813	211850.87	0.0491	P	0.6
4	☐	2500.000	2595.565	243750.92	0.0571	P	0.1
5	☐	5000.000	4857.252	295291.96	0.0687	P	0.5
6	☐	10000.000	9795.609	405956.49	0.0939	P	2.3
7	☐	20000.000	20123.896	635045.57	0.1467	P	2.2
8	☐			177627.86	0.0410	P	1.3

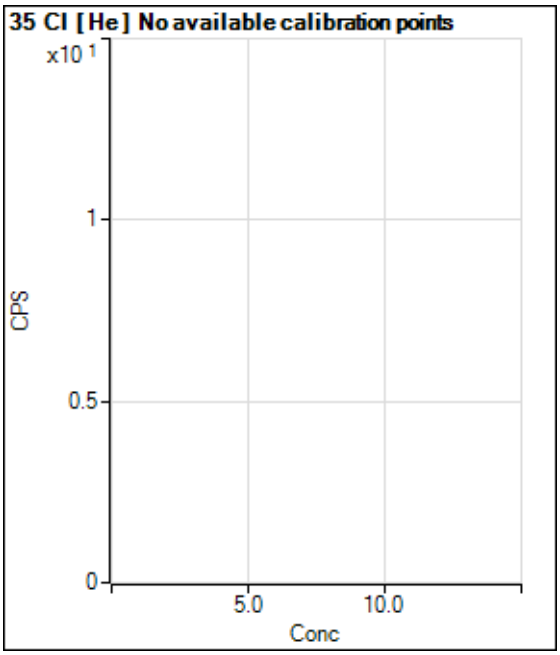
y = 5.1105E-006 * x + 0.0438
R = 0.9999
DL = 545
BEC = 8576

Weight: <None>
Min Conc: <None>

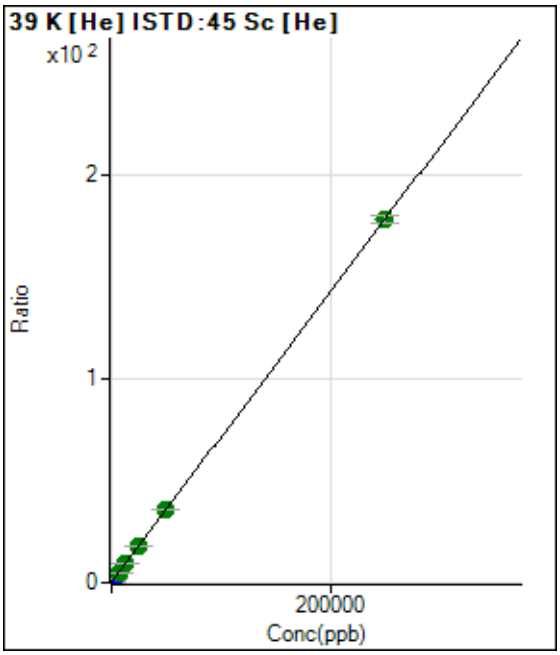


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
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LB :LB136916



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

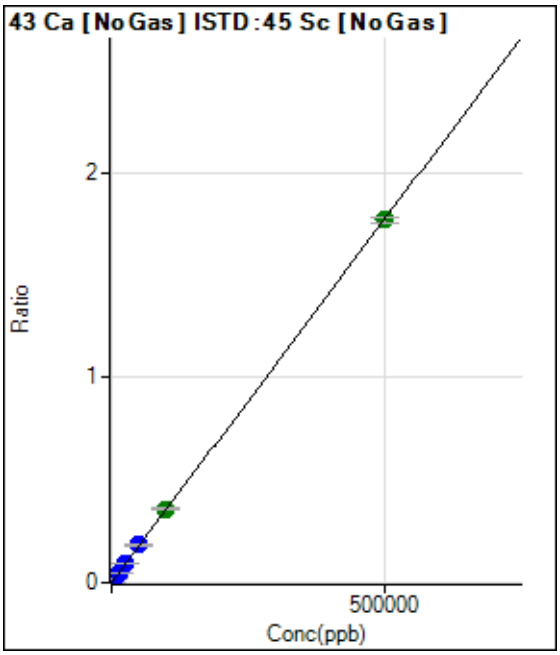


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	81862.07	0.1815	P	1.6
2	☐	500.000	568.257	272947.83	0.5864	P	1.2
3	☐	2500.000	2639.549	961774.27	2.0621	P	0.9
4	☐	6250.000	6526.408	2196087.83	4.8312	A	2.2
5	☐	12500.000	12932.823	4296540.46	9.3955	A	0.6
6	☐	25000.000	25106.698	8288381.61	18.0687	A	1.8
7	☐	50000.000	50068.910	16922776.83	35.8529	A	1.2
8	☐	250000.00	249945.46	86218803.16	178.2539	A	2.1

y = 7.1244E-004 * x + 0.1815
R = 1.0000
DL = 12.35
BEC = 254.8

Weight: <None>
Min Conc: <None>

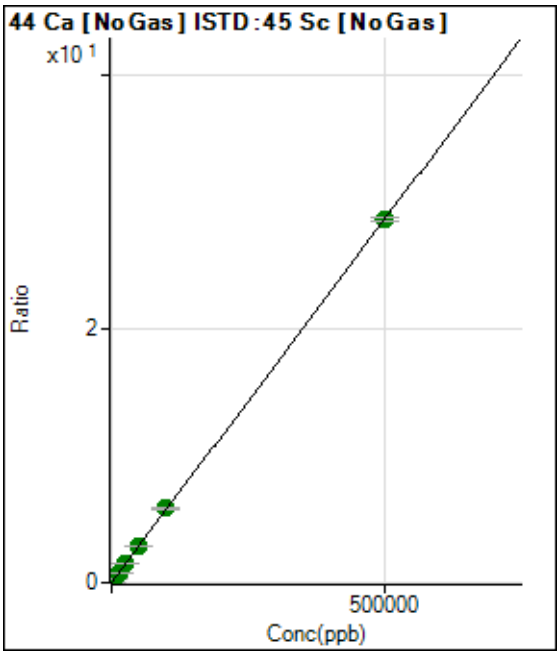
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Inst Id :P7
LB :LB136916



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	433.34	0.0001	P	18.7
2	☐	500.000	577.484	9339.63	0.0021	P	1.4
3	☐	5000.000	5338.848	81909.11	0.0190	P	1.0
4	☐	12500.000	13730.531	207942.17	0.0487	P	1.4
5	☐	25000.000	26407.464	402515.56	0.0936	P	1.5
6	☐	50000.000	52078.274	797583.31	0.1845	P	2.1
7	☐	100000.00	101770.32	1559894.39	0.3604	A	4.2
8	☐	500000.00	499333.50	7661476.28	1.7678	A	1.5

y = 3.5400E-006 * x + 1.0299E-004
R = 1.0000
DL = 16.32
BEC = 29.09

Weight: <None>
Min Conc: <None>

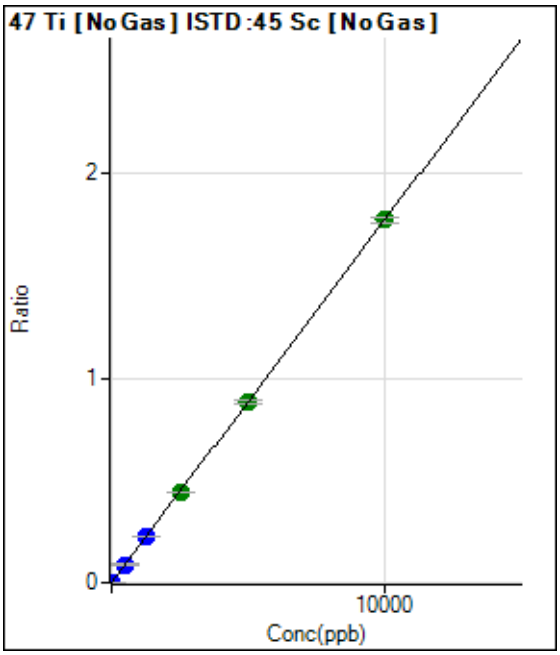


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32045.48	0.0076	P	3.1
2	☐	500.000	560.766	172747.91	0.0397	P	1.4
3	☐	5000.000	5067.613	1283901.13	0.2979	A	0.5
4	☐	12500.000	13113.741	3238903.18	0.7587	A	1.4
5	☐	25000.000	25270.935	6258733.59	1.4550	A	0.5
6	☐	50000.000	49644.153	12329575.37	2.8511	A	1.4
7	☐	100000.00	102208.12	25380157.95	5.8618	A	2.3
8	☐	500000.00	499564.33	124049281.4	28.6211	A	1.2

y = 5.7277E-005 * x + 0.0076
R = 1.0000
DL = 12.23
BEC = 132.7

Weight: <None>
Min Conc: <None>

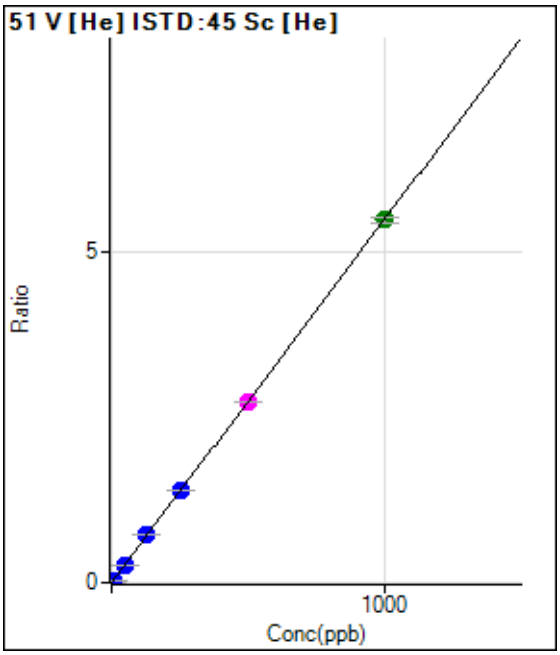
Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.11	0.0000	P	17.7
2	☐	5.000	5.604	4425.13	0.0010	P	0.2
3	☐	500.000	503.390	384673.00	0.0892	P	0.4
4	☐	1250.000	1286.692	973671.33	0.2281	P	0.7
5	☐	2500.000	2499.708	1905689.83	0.4431	A	1.0
6	☐	5000.000	4969.564	3808358.35	0.8808	A	2.4
7	☐	10000.000	10010.535	7682503.36	1.7743	A	1.9
8	☐			686.69	0.0002	P	5.3

y = 1.7724E-004 * x + 2.3975E-005
R = 1.0000
DL = 0.07198
BEC = 0.1353

Weight: <None>
Min Conc: <None>

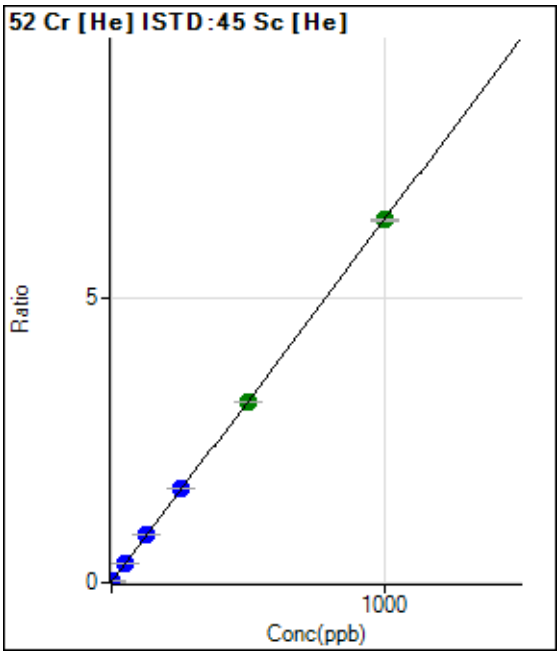


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.00	0.0001	P	62.2
2	☐	5.000	5.504	14064.46	0.0302	P	1.0
3	☐	50.000	50.065	127934.78	0.2743	P	0.9
4	☐	125.000	130.468	324892.25	0.7147	P	0.9
5	☐	250.000	255.005	638772.92	1.3968	P	0.7
6	☐	500.000	497.863	1250981.10	2.7271	M	0.6
7	☐	1000.000	999.128	2583235.50	5.4727	A	1.8
8	☐			1155.61	0.0024	P	1.0

y = 0.0055 * x + 6.6578E-005
R = 1.0000
DL = 0.02268
BEC = 0.01215

Weight: <None>
Min Conc: <None>

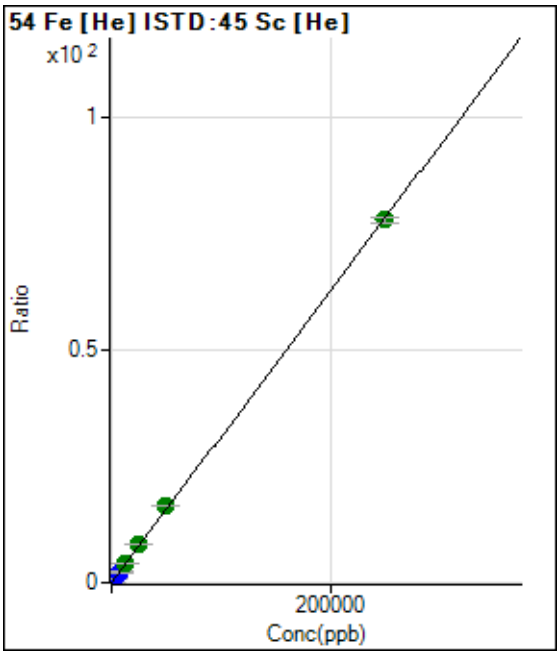
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2744.72	0.0061	P	1.5
2	☐	2.000	2.119	9130.61	0.0196	P	3.0
3	☐	50.000	50.443	153040.94	0.3281	P	1.1
4	☐	125.000	130.729	382163.87	0.8407	P	1.4
5	☐	250.000	257.044	753211.65	1.6471	P	0.6
6	☐	500.000	497.047	1458427.88	3.1793	A	1.0
7	☐	1000.000	998.977	3013194.16	6.3837	A	0.6
8	☐			15620.43	0.0323	P	1.8

y = 0.0064 * x + 0.0061
R = 1.0000
DL = 0.04398
BEC = 0.9534

Weight: <None>
Min Conc: <None>

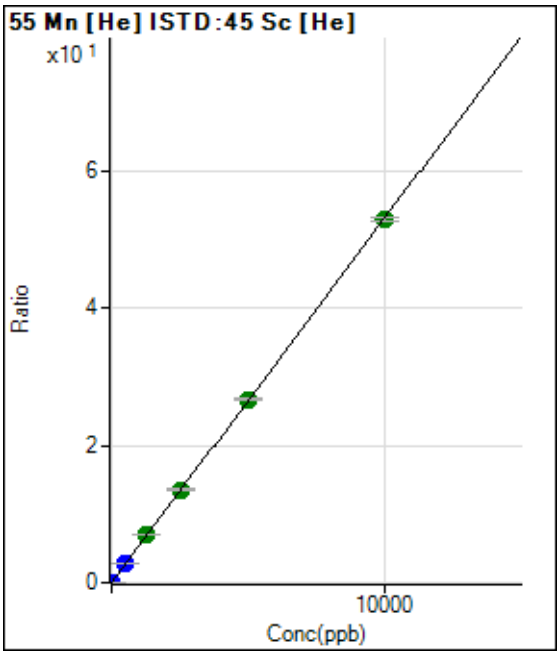


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3190.94	0.0071	P	15.0
2	☐	50.000	59.649	11995.99	0.0258	P	0.9
3	☐	2500.000	2798.448	412271.30	0.8839	P	0.7
4	☐	6250.000	7212.237	1030506.32	2.2669	P	0.9
5	☐	12500.000	13509.092	1938878.55	4.2399	A	1.0
6	☐	25000.000	26627.543	3830318.90	8.3503	A	0.9
7	☐	50000.000	52573.629	7778624.82	16.4799	A	1.0
8	☐	250000.00	249245.02	37775694.44	78.1027	A	1.5

y = 3.1333E-004 * x + 0.0071
R = 0.9999
DL = 10.15
BEC = 22.6

Weight: <None>
Min Conc: <None>

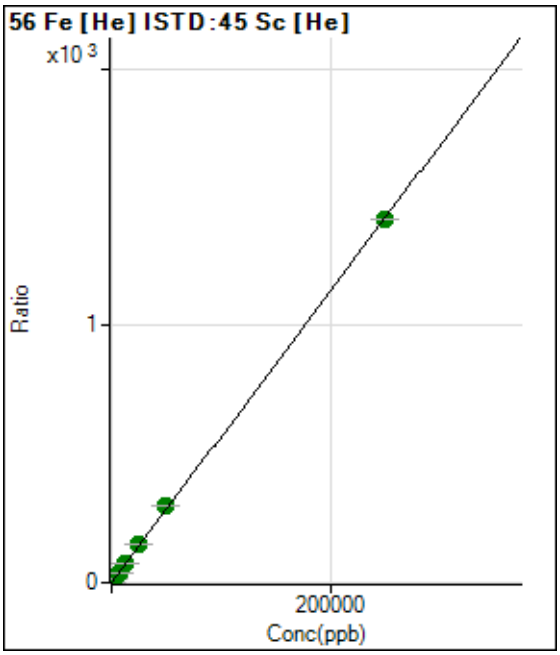
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	818.92	0.0018	P	10.5
2	☐	1.000	1.011	3343.74	0.0072	P	1.9
3	☐	500.000	506.274	1253537.89	2.6876	P	1.1
4	☐	1250.000	1302.239	3141413.08	6.9102	A	1.3
5	☐	2500.000	2559.457	6210042.97	13.5798	A	0.6
6	☐	5000.000	5038.427	12261513.71	26.7308	A	1.1
7	☐	10000.000	9959.079	24939209.35	52.8350	A	0.9
8	☐			11517.85	0.0238	P	1.4

y = 0.0053 * x + 0.0018
R = 1.0000
DL = 0.1077
BEC = 0.3425

Weight: <None>
Min Conc: <None>

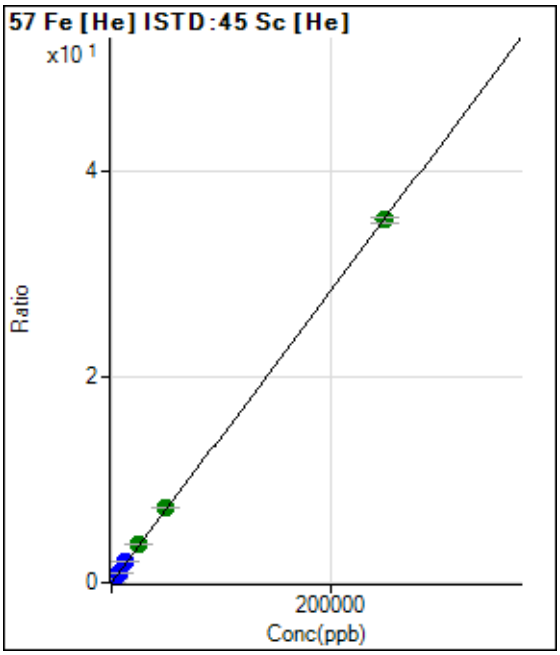


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24407.71	0.0541	P	1.4
2	☐	50.000	58.769	180154.21	0.3870	P	1.2
3	☐	2500.000	2629.377	6972466.84	14.9487	A	0.4
4	☐	6250.000	6885.408	17756270.85	39.0577	A	0.8
5	☐	12500.000	13595.716	35242964.19	77.0694	A	0.8
6	☐	25000.000	26634.478	69235115.64	150.9297	A	0.6
7	☐	50000.000	52620.378	140723927.9	298.1313	A	0.4
8	☐	250000.00	249240.51	682966060.9	1,411.920	A	0.2

y = 0.0057 * x + 0.0541
R = 0.9999
DL = 0.3876
BEC = 9.555

Weight: <None>
Min Conc: <None>

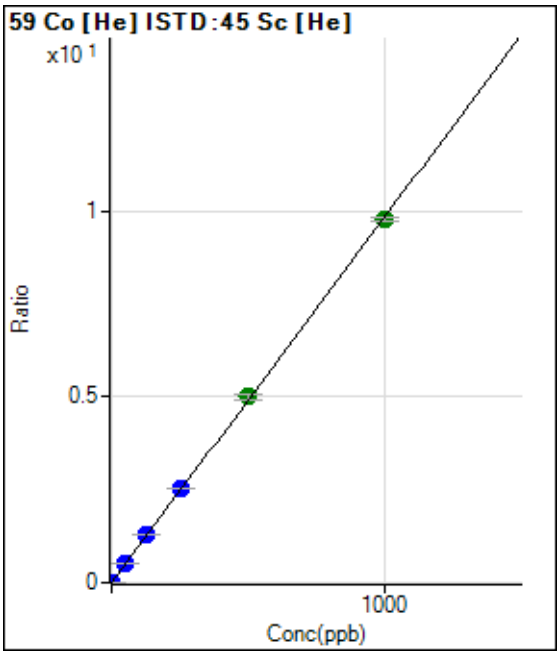
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1881.25	0.0042	P	5.0
2	☐	50.000	62.872	6070.18	0.0130	P	3.8
3	☐	2500.000	2756.109	183313.42	0.3930	P	1.1
4	☐	6250.000	7117.311	458381.73	1.0084	P	1.6
5	☐	12500.000	13950.968	902025.19	1.9725	P	0.3
6	☐	25000.000	26485.438	1716046.35	3.7410	A	0.5
7	☐	50000.000	51309.995	3419185.47	7.2435	A	1.1
8	☐	250000.00	249492.66	17027921.41	35.2051	A	1.3

y = 1.4109E-004 * x + 0.0042
R = 1.0000
DL = 4.475
BEC = 29.57

Weight: <None>
Min Conc: <None>

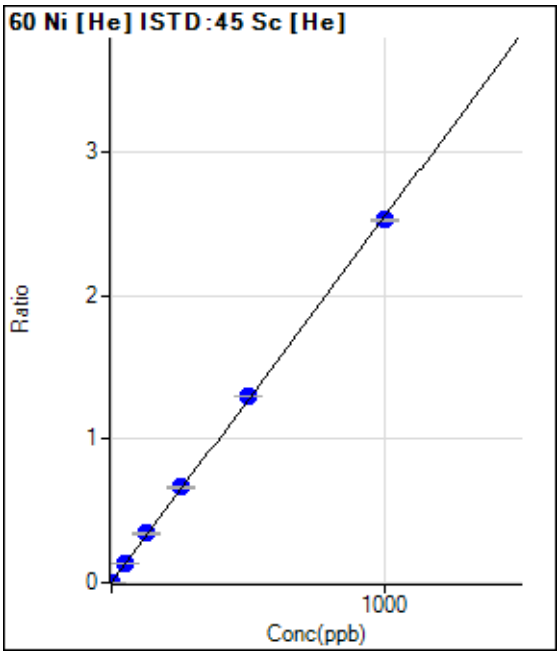


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.11	0.0002	P	13.7
2	☐	1.000	1.180	5507.72	0.0118	P	0.7
3	☐	50.000	50.810	233219.87	0.5000	P	0.7
4	☐	125.000	130.533	583785.05	1.2842	P	1.5
5	☐	250.000	256.275	1152878.15	2.5211	P	0.5
6	☐	500.000	509.321	2298179.11	5.0102	A	2.8
7	☐	1000.000	993.038	4610795.56	9.7683	A	1.2
8	☐			8470.24	0.0175	P	0.6

y = 0.0098 * x + 2.2420E-004
R = 0.9999
DL = 0.009345
BEC = 0.02279

Weight: <None>
Min Conc: <None>

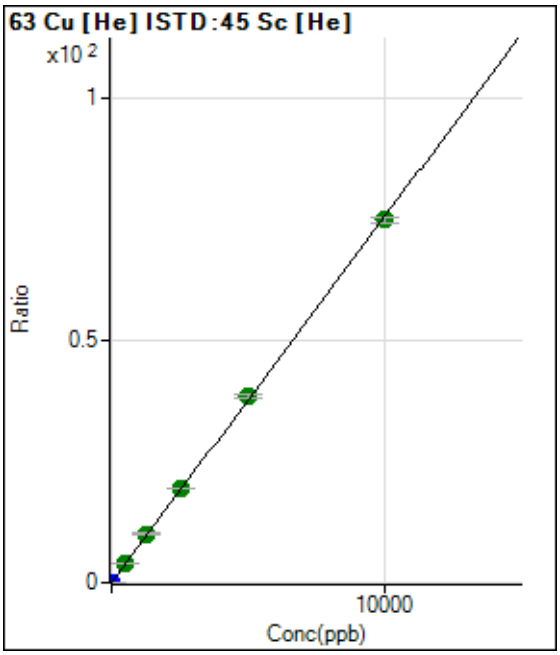
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	573.35	0.0013	P	6.5
2	☐	1.000	1.186	1995.71	0.0043	P	3.6
3	☐	50.000	51.548	61751.28	0.1324	P	0.5
4	☐	125.000	133.731	155224.63	0.3414	P	0.5
5	☐	250.000	260.053	303079.69	0.6628	P	0.3
6	☐	500.000	509.116	594631.42	1.2963	P	0.5
7	☐	1000.000	991.760	1191380.30	2.5240	P	0.4
8	☐			4785.25	0.0099	P	2.2

y = 0.0025 * x + 0.0013
R = 0.9999
DL = 0.09706
BEC = 0.4999

Weight: <None>
Min Conc: <None>

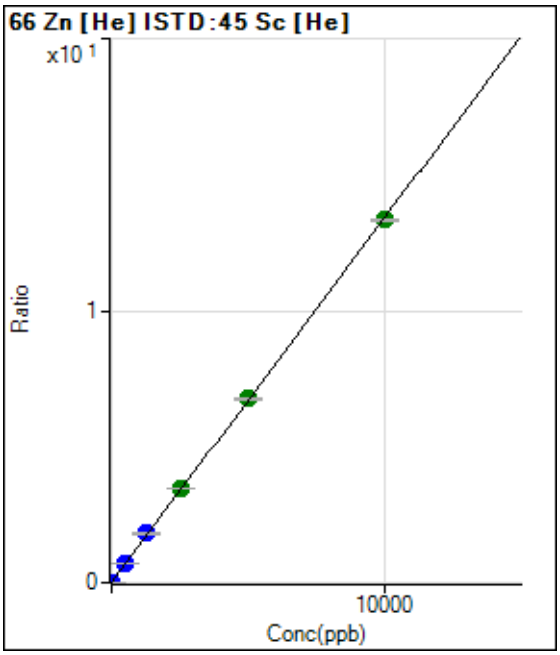


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1380.08	0.0031	P	2.1
2	☐	2.000	2.109	8832.69	0.0190	P	1.6
3	☐	500.000	514.441	1811806.62	3.8847	A	1.2
4	☐	1250.000	1338.872	4593663.34	10.1052	A	2.7
5	☐	2500.000	2576.275	8890502.85	19.4417	A	1.5
6	☐	5000.000	5100.219	17653287.79	38.4856	A	1.6
7	☐	10000.000	9918.991	35328641.14	74.8445	A	1.6
8	☐			4399.58	0.0091	P	3.5

y = 0.0075 * x + 0.0031
R = 0.9999
DL = 0.02542
BEC = 0.4056

Weight: <None>
Min Conc: <None>

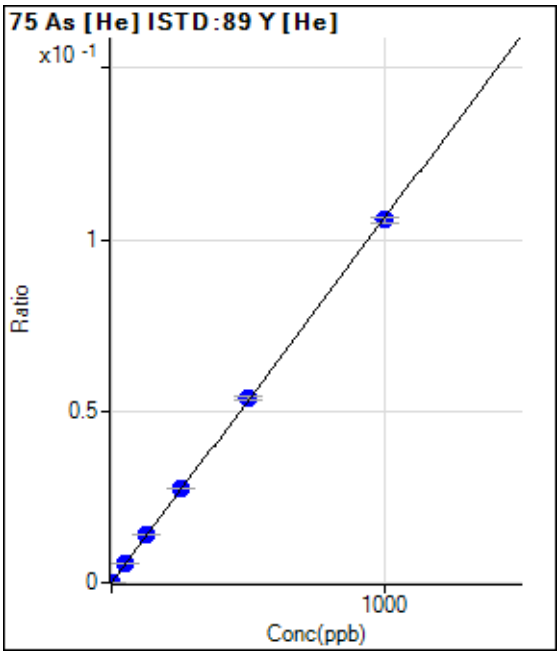
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4676.33	0.0104	P	2.8
2	☐	5.000	5.380	8182.33	0.0176	P	1.2
3	☐	500.000	519.177	329249.20	0.7059	P	1.3
4	☐	1250.000	1340.599	821182.39	1.8064	P	1.7
5	☐	2500.000	2563.916	1575530.46	3.4453	A	0.5
6	☐	5000.000	5048.867	3107506.83	6.7744	A	1.2
7	☐	10000.000	9947.304	6295528.38	13.3369	A	0.7
8	☐			8070.03	0.0167	P	2.8

y = 0.0013 * x + 0.0104
R = 0.9999
DL = 0.6396
BEC = 7.741

Weight: <None>
Min Conc: <None>

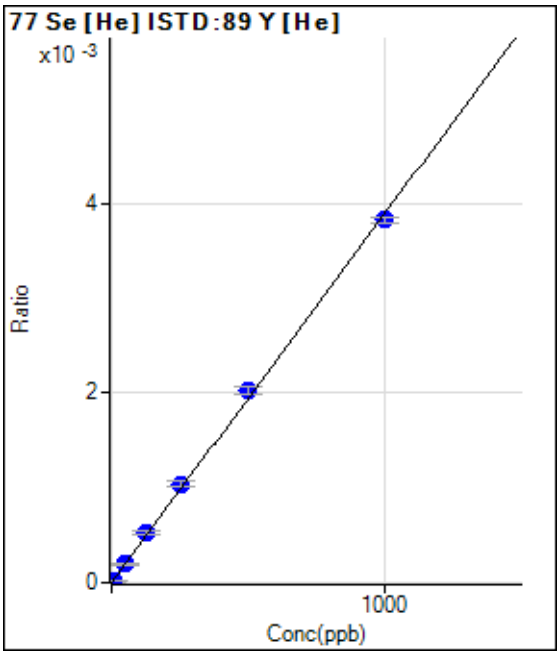


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15.56	0.0000	P	49.9
2	☐	1.000	1.134	448.90	0.0001	P	7.9
3	☐	50.000	51.287	19346.09	0.0055	P	1.4
4	☐	125.000	132.201	48728.98	0.0141	P	1.4
5	☐	250.000	257.408	95487.57	0.0274	P	0.8
6	☐	500.000	504.447	189637.11	0.0536	P	2.3
7	☐	1000.000	994.960	384437.75	0.1058	P	1.5
8	☐			422.23	0.0001	P	11.0

y = 1.0629E-004 * x + 4.4668E-006
R = 0.9999
DL = 0.06296
BEC = 0.04202

Weight: <None>
Min Conc: <None>

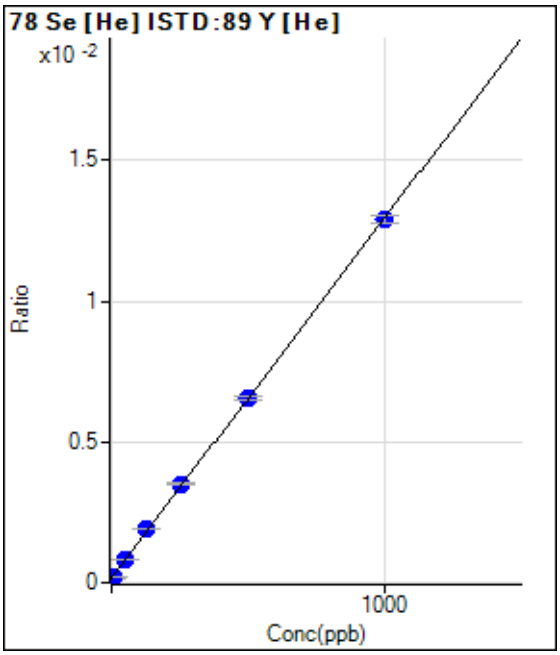
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	5.000	6.127	87.78	0.0000	P	17.8
3	☐	50.000	50.175	693.35	0.0002	P	3.8
4	☐	125.000	135.699	1830.13	0.0005	P	5.5
5	☐	250.000	267.885	3631.60	0.0010	P	4.7
6	☐	500.000	520.210	7147.36	0.0020	P	4.5
7	☐	1000.000	984.072	13894.43	0.0038	P	1.9
8	☐			20.00	0.0000	P	16.3

y = 3.8837E-006 * x + 6.3432E-007
R = 0.9995
DL = 0.4244
BEC = 0.1633

Weight: <None>
Min Conc: <None>

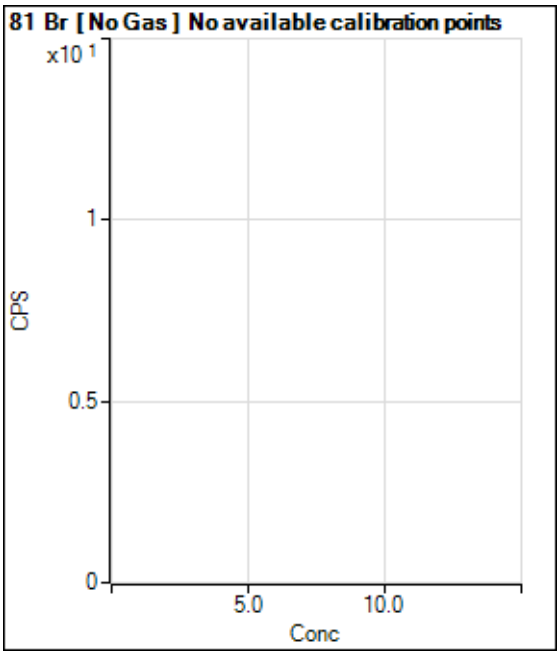


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	570.02	0.0002	P	14.9
2	☐	5.000	5.302	828.92	0.0002	P	1.4
3	☐	50.000	51.563	2914.76	0.0008	P	1.9
4	☐	125.000	135.367	6561.52	0.0019	P	1.6
5	☐	250.000	262.110	12254.08	0.0035	P	1.7
6	☐	500.000	499.983	23168.28	0.0066	P	1.5
7	☐	1000.000	995.606	46829.79	0.0129	P	2.0
8	☐			613.35	0.0002	P	6.0

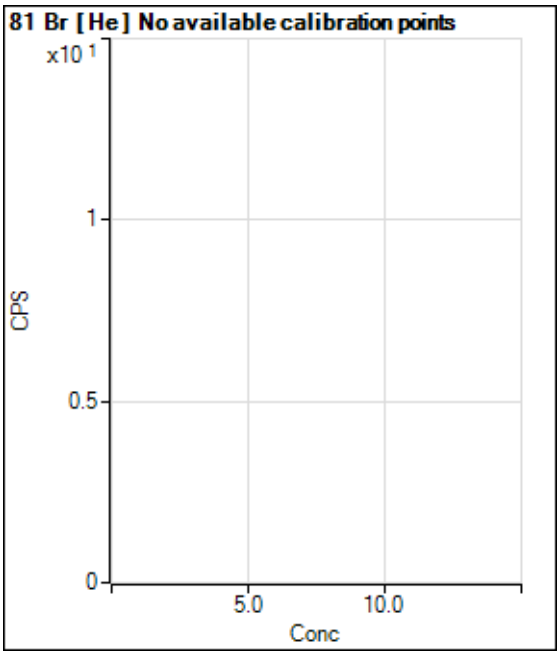
y = 1.2776E-005 * x + 1.6333E-004
R = 0.9999
DL = 5.707
BEC = 12.78

Weight: <None>
Min Conc: <None>

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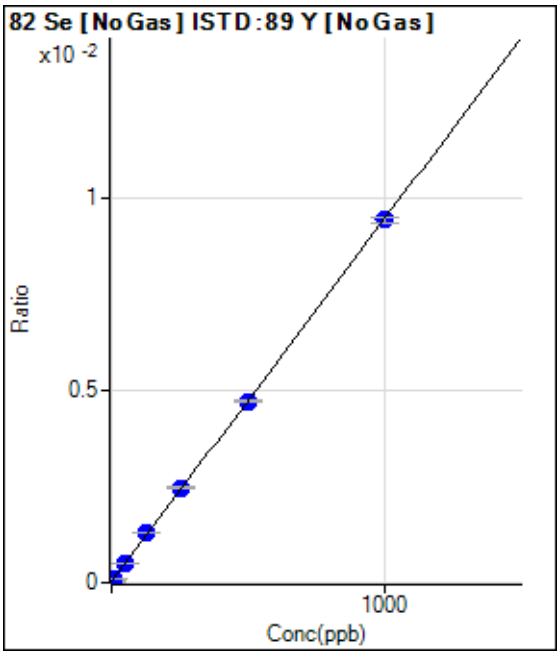


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			10342.63		P	2.0
2	☐			10702.91		P	1.5
3	☐			10281.45		P	1.9
4	☐			10273.69		P	2.7
5	☐			9811.13		P	1.5
6	☐			9734.43		P	2.7
7	☐			9733.31		P	1.2
8	☐			9934.57		P	2.8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			155.56		P	24.1
2	☐			187.78		P	12.6
3	☐			158.89		P	33.3
4	☐			142.23		P	5.4
5	☐			156.67		P	9.3
6	☐			130.00		P	6.8
7	☐			110.00		P	3.0
8	☐			206.67		P	15.6

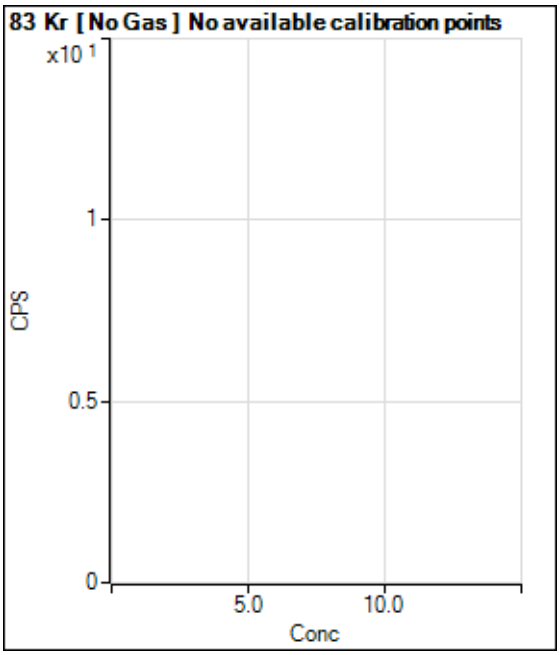
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	302.52	0.0000	P	8.4
2	☐	5.000	5.873	963.11	0.0001	P	3.0
3	☐	50.000	50.970	6068.05	0.0005	P	0.3
4	☐	125.000	134.629	15280.65	0.0013	P	0.9
5	☐	250.000	259.216	29478.38	0.0025	P	1.4
6	☐	500.000	497.854	57436.74	0.0047	P	1.7
7	☐	1000.000	997.513	114135.82	0.0094	P	1.8
8	☐			452.41	0.0000	P	3.5

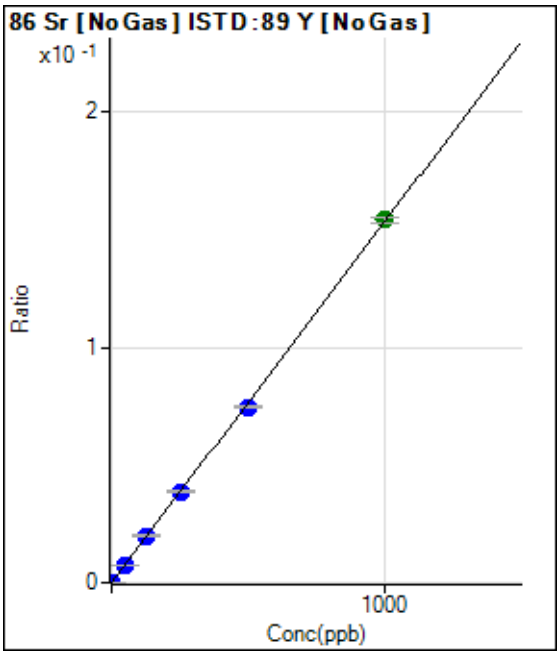
y = 9.4210E-006 * x + 2.5765E-005
R = 0.9999
DL = 0.6867
BEC = 2.735

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			530.01		P	6.6
2	☐			504.46		P	6.6
3	☐			506.68		P	10.9
4	☐			567.80		P	0.7
5	☐			550.02		P	7.4
6	☐			493.35		P	1.8
7	☐			502.24		P	5.9
8	☐			490.01		P	5.6

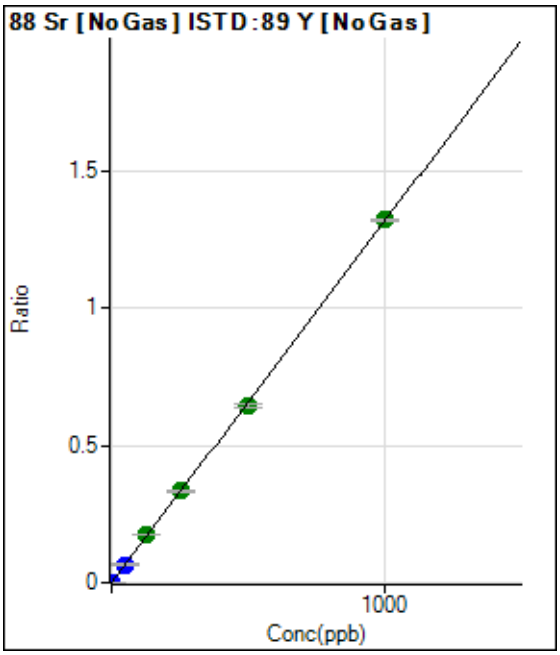
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Inst Id :P7
LB :LB136916



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	855.59	0.0001	P	3.0
2	☐	1.000	1.084	2838.08	0.0002	P	4.1
3	☐	50.000	49.934	92681.51	0.0077	P	0.4
4	☐	125.000	130.116	236382.49	0.0200	P	2.0
5	☐	250.000	252.407	463069.12	0.0388	P	1.5
6	☐	500.000	486.181	908627.41	0.0746	P	1.0
7	☐	1000.000	1005.671	1868241.73	0.1542	A	1.4
8	☐			24325.82	0.0020	P	2.0

y = 1.5330E-004 * x + 7.2867E-005
R = 0.9998
DL = 0.04327
BEC = 0.4753

Weight: <None>
Min Conc: <None>

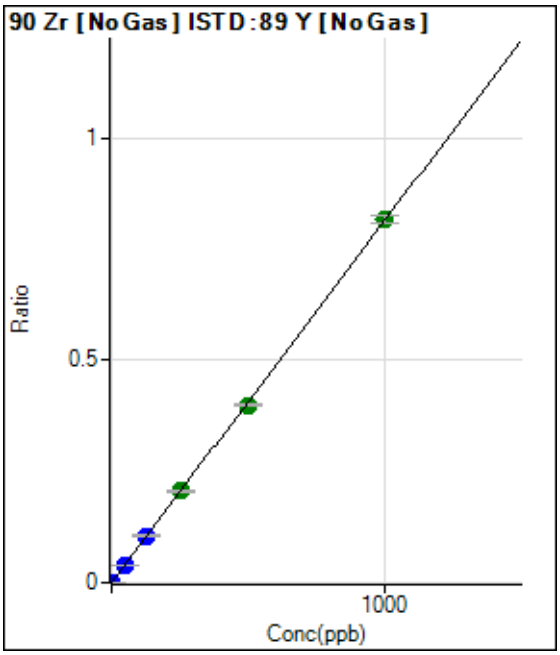


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	286.67	0.0000	P	22.6
2	☐	1.000	1.074	17084.49	0.0014	P	1.9
3	☐	50.000	50.391	795983.39	0.0664	P	0.8
4	☐	125.000	131.349	2042308.27	0.1730	A	1.2
5	☐	250.000	253.231	3982860.26	0.3334	A	0.8
6	☐	500.000	488.991	7841121.41	0.6438	A	1.4
7	☐	1000.000	1003.883	16009981.29	1.3217	A	0.7
8	☐			204333.88	0.0168	P	0.5

y = 0.0013 * x + 2.4369E-005
R = 0.9999
DL = 0.01253
BEC = 0.01851

Weight: <None>
Min Conc: <None>

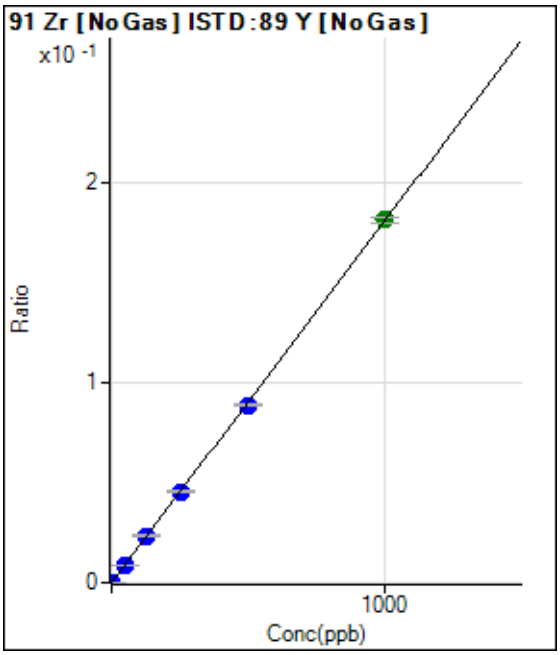
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	538.90	0.0000	P	4.4
2	☐	1.000	1.054	10721.77	0.0009	P	2.5
3	☐	50.000	49.593	484365.49	0.0404	P	0.5
4	☐	125.000	130.112	1250177.84	0.1059	P	1.6
5	☐	250.000	253.565	2464391.39	0.2063	A	2.1
6	☐	500.000	490.724	4861991.73	0.3992	A	1.5
7	☐	1000.000	1003.128	9883477.42	0.8160	A	2.0
8	☐			9061.76	0.0007	P	0.1

y = 8.1342E-004 * x + 4.5902E-005
R = 0.9999
DL = 0.007414
BEC = 0.05643

Weight: <None>
Min Conc: <None>

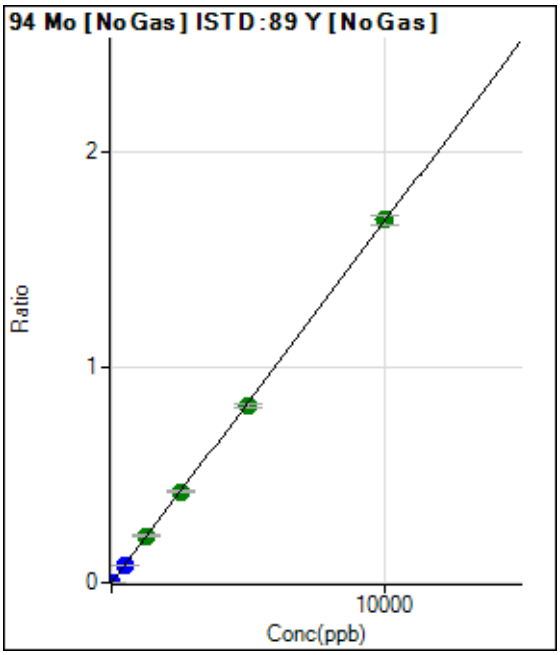


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.23	0.0000	P	10.5
2	☐	1.000	1.051	2353.55	0.0002	P	2.1
3	☐	50.000	49.630	107440.79	0.0090	P	0.9
4	☐	125.000	129.437	275698.25	0.0233	P	1.7
5	☐	250.000	252.422	543808.31	0.0455	P	1.7
6	☐	500.000	490.311	1076967.34	0.0884	P	0.8
7	☐	1000.000	1003.703	2192380.30	0.1810	A	1.6
8	☐			1980.15	0.0002	P	4.5

y = 1.8033E-004 * x + 8.7081E-006
R = 0.9999
DL = 0.01522
BEC = 0.04829

Weight: <None>
Min Conc: <None>

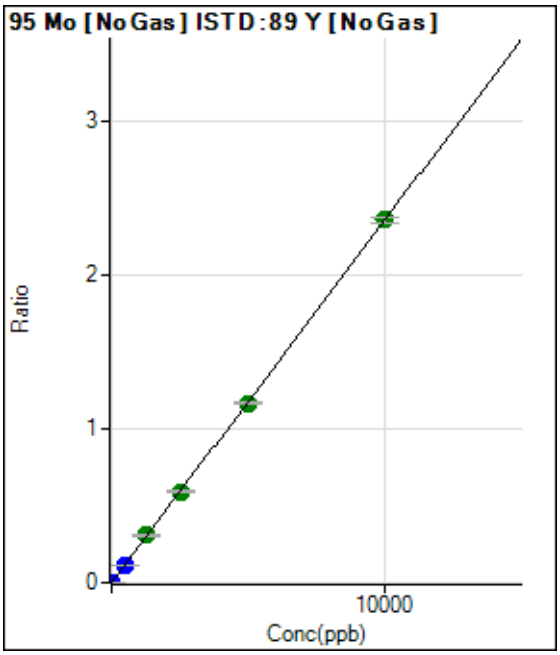
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	347.78	0.0000	P	14.2
2	☐	5.000	6.399	13111.53	0.0011	P	0.8
3	☐	500.000	494.721	996724.89	0.0831	P	0.6
4	☐	1250.000	1292.179	2562209.55	0.2170	A	2.7
5	☐	2500.000	2516.494	5048245.90	0.4226	A	1.3
6	☐	5000.000	4900.095	10022141.45	0.8229	A	1.3
7	☐	10000.000	10040.820	20421998.59	1.6861	A	2.3
8	☐			6302.53	0.0005	P	2.2

y = 1.6793E-004 * x + 2.9646E-005
R = 0.9999
DL = 0.07509
BEC = 0.1765

Weight: <None>
Min Conc: <None>

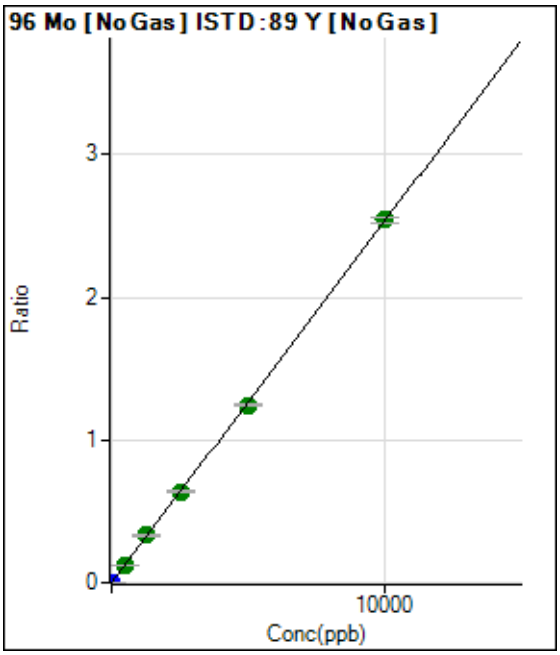


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	287.78	0.0000	P	10.8
2	☐	5.000	5.601	15957.77	0.0013	P	2.9
3	☐	500.000	498.737	1409602.56	0.1175	P	0.2
4	☐	1250.000	1302.406	3623211.61	0.3069	A	2.5
5	☐	2500.000	2520.439	7093214.96	0.5939	A	2.0
6	☐	5000.000	4942.442	14182758.68	1.1645	A	1.1
7	☐	10000.000	10017.181	28586519.57	2.3602	A	1.7
8	☐			5027.58	0.0004	P	6.7

y = 2.3561E-004 * x + 2.4482E-005
R = 1.0000
DL = 0.03369
BEC = 0.1039

Weight: <None>
Min Conc: <None>

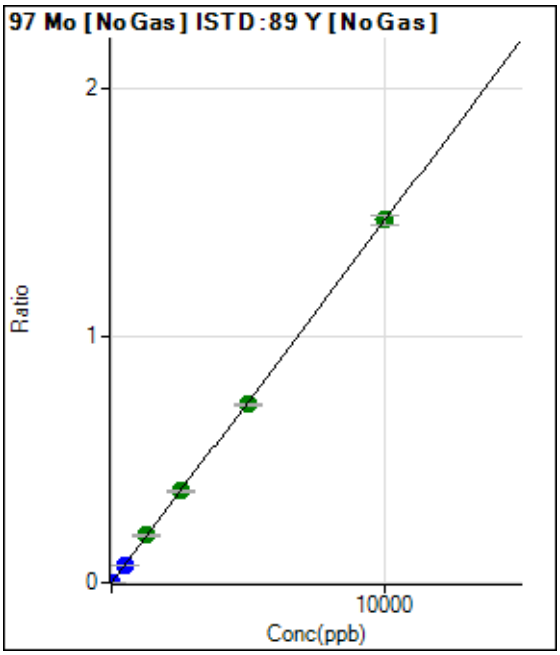
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	366.67	0.0000	P	9.1
2	☐	5.000	5.732	17612.96	0.0015	P	0.0
3	☐	500.000	495.103	1504672.69	0.1255	A	1.0
4	☐	1250.000	1308.728	3915044.21	0.3316	A	1.7
5	☐	2500.000	2523.362	7635655.58	0.6393	A	2.6
6	☐	5000.000	4899.326	15117043.80	1.2412	A	0.9
7	☐	10000.000	10037.400	30799268.43	2.5429	A	1.9
8	☐			10082.48	0.0008	P	6.8

y = 2.5334E-004 * x + 3.1230E-005
R = 0.9999
DL = 0.03383
BEC = 0.1233

Weight: <None>
Min Conc: <None>

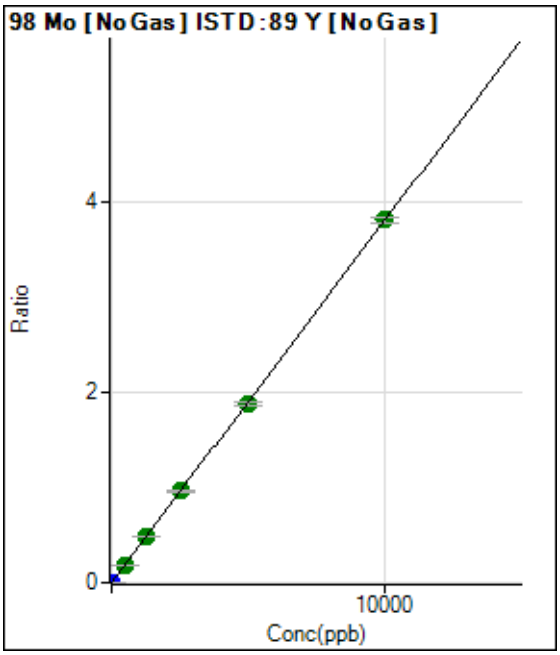


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	223.34	0.0000	P	21.0
2	☐	5.000	5.582	9937.93	0.0008	P	2.1
3	☐	500.000	502.232	882732.07	0.0736	P	1.0
4	☐	1250.000	1309.132	2264915.47	0.1918	A	1.8
5	☐	2500.000	2535.781	4437766.50	0.3715	A	1.8
6	☐	5000.000	4916.350	8772875.77	0.7203	A	1.0
7	☐	10000.000	10025.376	17791548.76	1.4688	A	2.3
8	☐			3220.39	0.0003	P	2.4

y = 1.4651E-004 * x + 1.9032E-005
R = 0.9999
DL = 0.08176
BEC = 0.1299

Weight: <None>
Min Conc: <None>

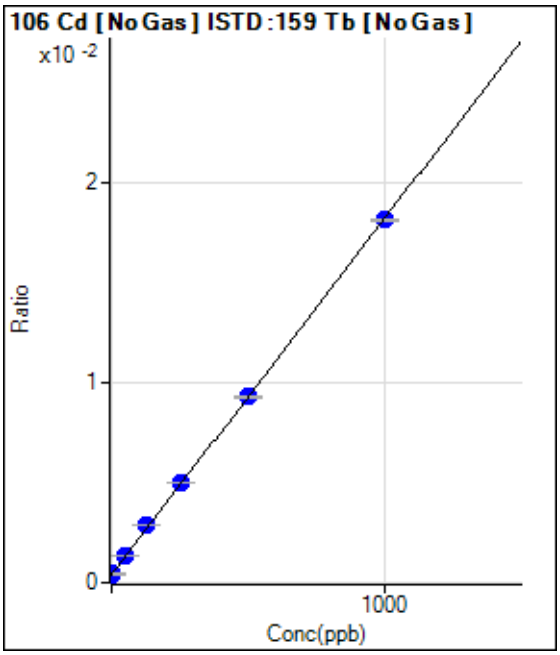
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	496.68	0.0000	P	6.6
2	☐	5.000	5.468	25147.30	0.0021	P	1.5
3	☐	500.000	496.100	2259029.22	0.1884	A	0.5
4	☐	1250.000	1290.760	5786186.65	0.4900	A	0.7
5	☐	2500.000	2532.864	11484347.60	0.9615	A	1.9
6	☐	5000.000	4921.687	22753289.10	1.8683	A	2.2
7	☐	10000.000	10026.040	46098419.31	3.8058	A	1.3
8	☐			7947.80	0.0007	P	4.2

y = 3.7959E-004 * x + 4.2268E-005
R = 0.9999
DL = 0.02189
BEC = 0.1114

Weight: <None>
Min Conc: <None>

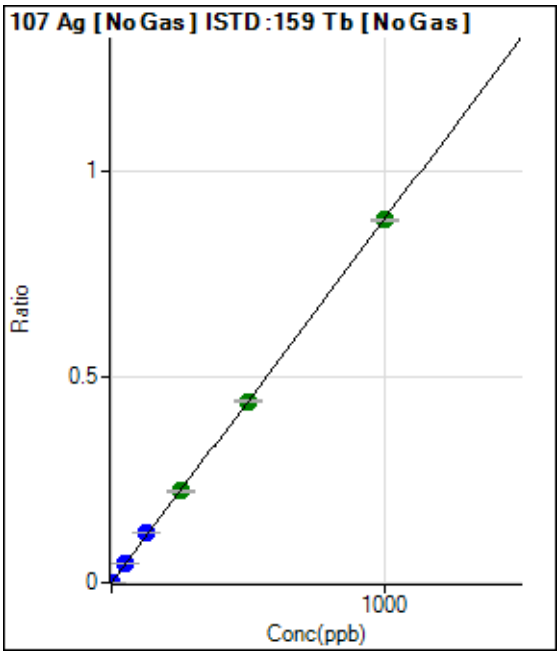


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3157.04	0.0004	P	2.0
2	☐	1.000	1.733	3416.00	0.0004	P	1.8
3	☐	50.000	54.535	10709.59	0.0014	P	2.2
4	☐	125.000	137.258	22247.18	0.0028	P	0.5
5	☐	250.000	258.204	40454.16	0.0050	P	1.3
6	☐	500.000	498.979	76303.17	0.0093	P	0.2
7	☐	1000.000	996.700	149162.52	0.0181	P	0.2
8	☐			3253.73	0.0004	P	2.8

y = 1.7791E-005 * x + 4.0575E-004
R = 0.9999
DL = 1.37
BEC = 22.81

Weight: <None>
Min Conc: <None>

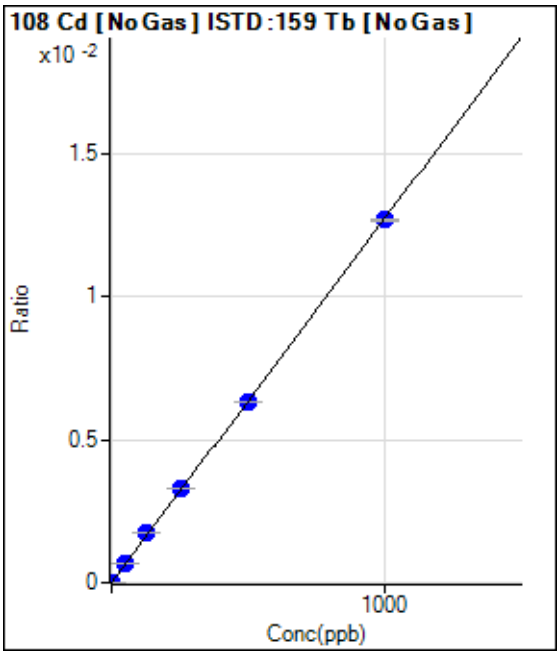
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70.00	0.0000	P	13.7
2	☐	1.000	1.136	7921.13	0.0010	P	3.3
3	☐	50.000	53.964	371132.28	0.0477	P	0.8
4	☐	125.000	136.512	942147.03	0.1206	P	0.7
5	☐	250.000	252.317	1803615.77	0.2229	A	1.2
6	☐	500.000	499.317	3625610.01	0.4411	A	0.8
7	☐	1000.000	998.125	7251220.10	0.8817	A	0.7
8	☐			1914.62	0.0002	P	43.0

y = 8.8334E-004 * x + 9.0083E-006
R = 0.9999
DL = 0.004198
BEC = 0.0102

Weight: <None>
Min Conc: <None>

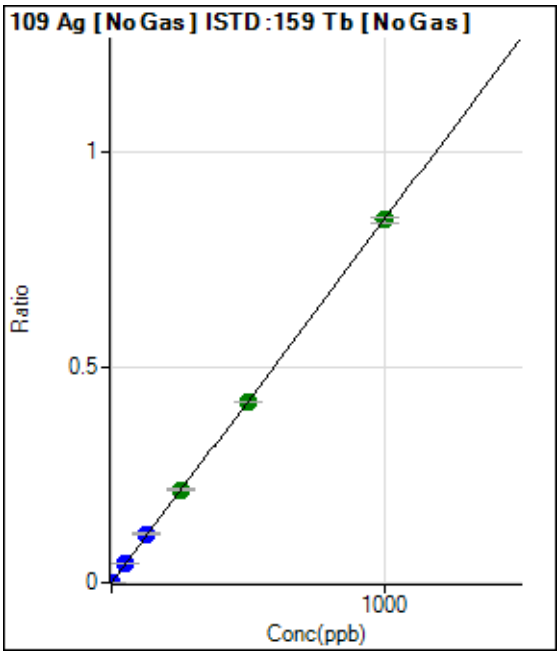


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7.78	0.0000	P	26.8
2	☐	1.000	1.172	124.45	0.0000	P	11.5
3	☐	50.000	53.913	5338.81	0.0007	P	2.1
4	☐	125.000	136.585	13564.23	0.0017	P	1.4
5	☐	250.000	258.481	26581.23	0.0033	P	0.8
6	☐	500.000	497.395	51947.48	0.0063	P	0.3
7	☐	1000.000	997.538	104232.68	0.0127	P	0.3
8	☐			95.56	0.0000	P	6.9

y = 1.2704E-005 * x + 1.0034E-006
R = 0.9999
DL = 0.06362
BEC = 0.07898

Weight: <None>
Min Conc: <None>

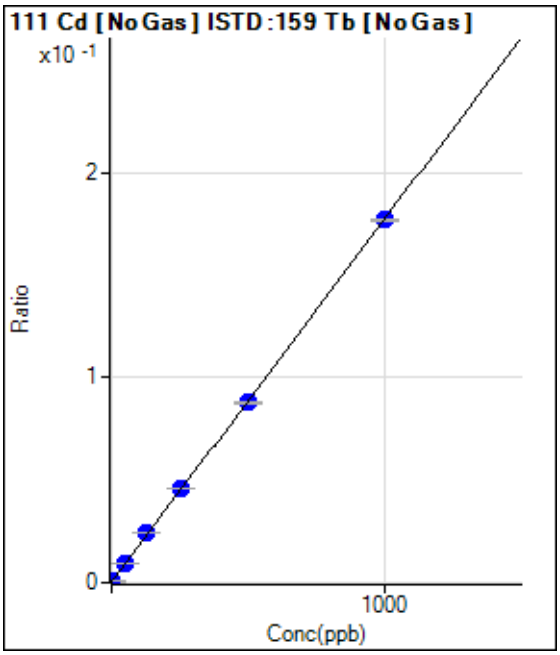
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.00	0.0000	P	34.6
2	☐	1.000	1.121	7452.00	0.0010	P	4.2
3	☐	50.000	53.052	349029.44	0.0448	P	1.1
4	☐	125.000	134.662	889093.39	0.1138	P	0.7
5	☐	250.000	255.183	1745044.37	0.2157	A	2.4
6	☐	500.000	497.663	3456850.26	0.4206	A	0.8
7	☐	1000.000	998.512	6939283.09	0.8438	A	1.5
8	☐			1927.95	0.0002	P	46.7

y = 8.4508E-004 * x + 5.1226E-006
R = 0.9999
DL = 0.006299
BEC = 0.006062

Weight: <None>
Min Conc: <None>

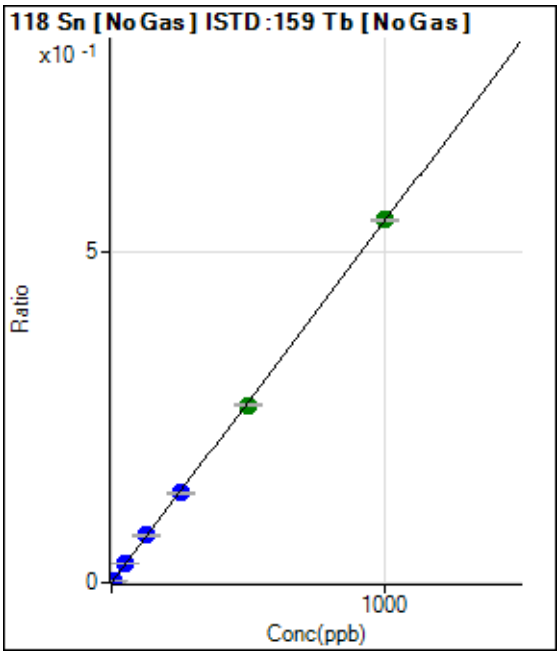


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2221.15	0.0003	P	2.0
2	☐	1.000	1.281	4007.54	0.0005	P	2.4
3	☐	50.000	53.395	75719.35	0.0097	P	0.1
4	☐	125.000	136.874	191325.78	0.0245	P	0.8
5	☐	250.000	258.616	372396.81	0.0460	P	1.0
6	☐	500.000	495.970	723220.58	0.0880	P	0.9
7	☐	1000.000	998.207	1454092.48	0.1768	P	0.6
8	☐			2985.19	0.0004	P	2.5

y = 1.7684E-004 * x + 2.8548E-004
R = 0.9999
DL = 0.09589
BEC = 1.614

Weight: <None>
Min Conc: <None>

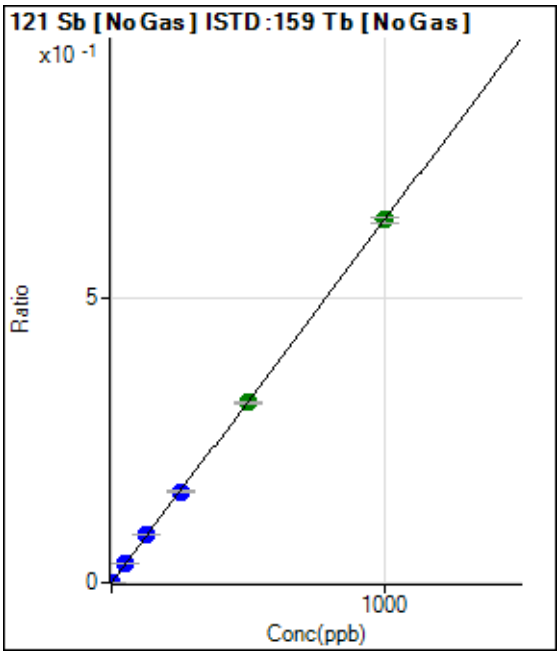
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1076.72	0.0001	P	7.4
2	☐	5.000	5.480	24444.21	0.0031	P	1.9
3	☐	50.000	50.938	217118.64	0.0279	P	0.7
4	☐	125.000	130.327	555868.17	0.0712	P	0.5
5	☐	250.000	247.990	1094560.93	0.1353	P	1.1
6	☐	500.000	491.521	2202357.21	0.2680	A	0.9
7	☐	1000.000	1004.027	4500414.27	0.5472	A	0.9
8	☐			1945.71	0.0002	P	6.4

y = 5.4488E-004 * x + 1.3852E-004
R = 0.9999
DL = 0.05628
BEC = 0.2542

Weight: <None>
Min Conc: <None>

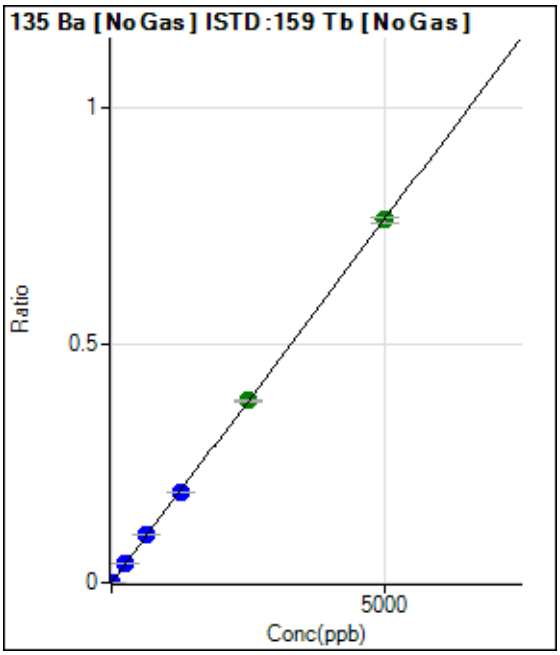


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	37.9
2	☐	2.000	2.180	10938.69	0.0014	P	3.0
3	☐	50.000	51.762	257590.68	0.0331	P	0.8
4	☐	125.000	131.737	657935.87	0.0842	P	1.2
5	☐	250.000	251.229	1299570.41	0.1606	P	1.4
6	☐	500.000	497.090	2611791.82	0.3178	A	0.6
7	☐	1000.000	1000.217	5258752.63	0.6394	A	1.6
8	☐			4327.36	0.0005	P	4.2

y = 6.3924E-004 * x + 4.9938E-006
R = 1.0000
DL = 0.008884
BEC = 0.007812

Weight: <None>
Min Conc: <None>

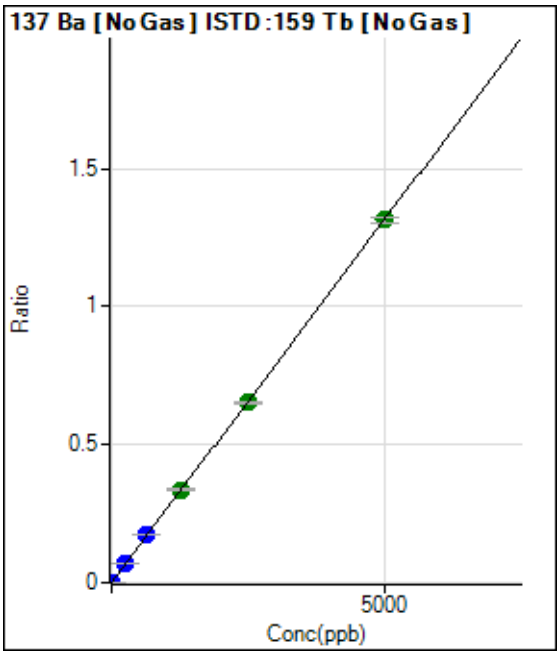
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	31.0
2	☐	10.000	10.960	13160.63	0.0017	P	3.0
3	☐	250.000	256.741	305274.45	0.0392	P	0.5
4	☐	625.000	654.313	780779.44	0.0999	P	0.6
5	☐	1250.000	1246.210	1540168.43	0.1903	P	1.5
6	☐	2500.000	2509.993	3150846.93	0.3833	A	0.8
7	☐	5000.000	4991.948	6270039.70	0.7624	A	1.4
8	☐			3968.37	0.0005	P	2.3

y = 1.5273E-004 * x + 8.5357E-006
R = 1.0000
DL = 0.05202
BEC = 0.05589

Weight: <None>
Min Conc: <None>

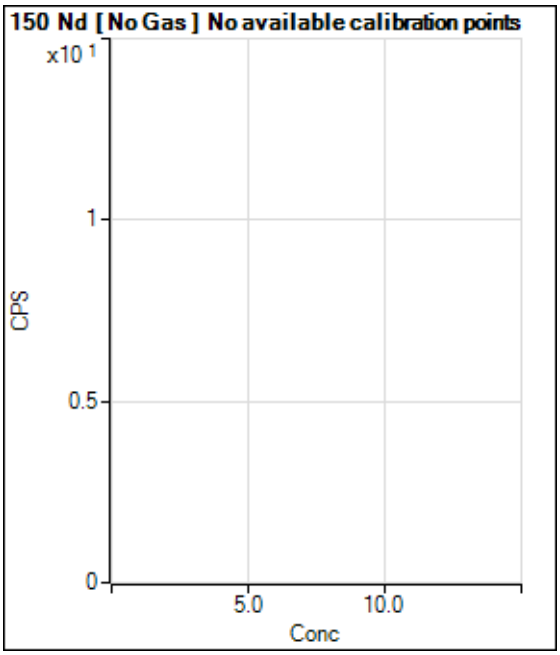


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	106.67	0.0000	P	1.3
2	☐	10.000	11.065	22880.82	0.0029	P	1.2
3	☐	250.000	256.784	525924.98	0.0676	P	1.0
4	☐	625.000	656.038	1348438.16	0.1726	P	1.3
5	☐	1250.000	1278.382	2721464.65	0.3363	A	2.3
6	☐	2500.000	2484.078	5371329.64	0.6535	A	0.8
7	☐	5000.000	4996.644	10809922.69	1.3145	A	1.4
8	☐			6571.60	0.0008	P	1.8

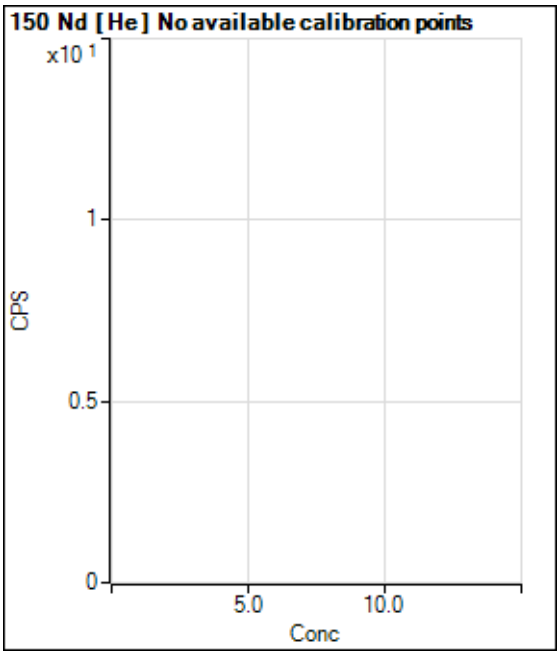
y = 2.6308E-004 * x + 1.3708E-005
R = 1.0000
DL = 0.001958
BEC = 0.05211

Weight: <None>
Min Conc: <None>

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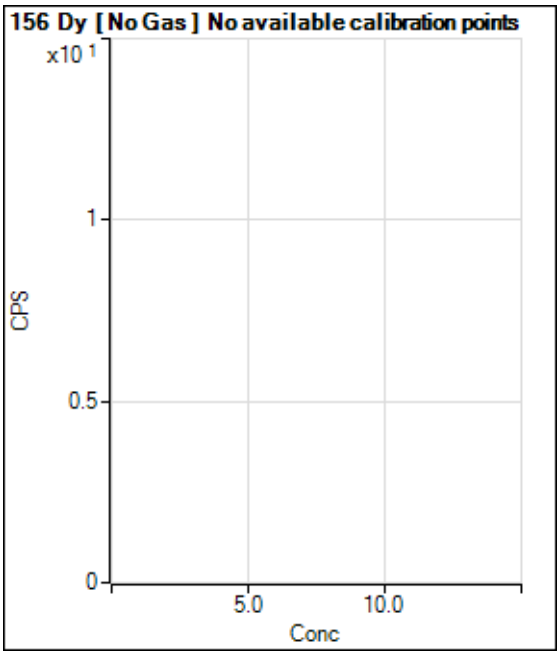


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1	☐			3.33		P	173.
2	☐			2.22		P	173.
3	☐			23.34		P	49.5
4	☐			40.00		P	22.0
5	☐			57.78		P	18.5
6	☐			112.23		P	8.6
7	☐			221.11		P	6.3
8	☐			138.89		P	14.5

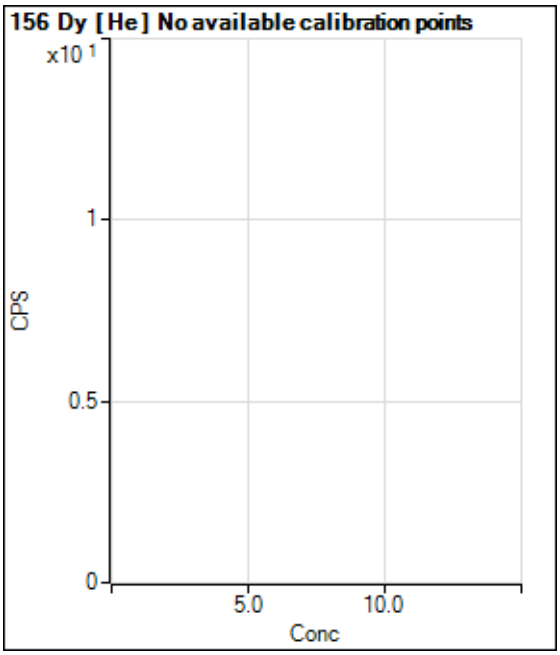


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	86.6
2	☐			6.67		P	50.0
3	☐			12.22		P	41.7
4	☐			14.44		P	35.3
5	☐			13.34		P	43.3
6	☐			42.22		P	31.9
7	☐			72.22		P	11.6
8	☐			81.11		P	14.4

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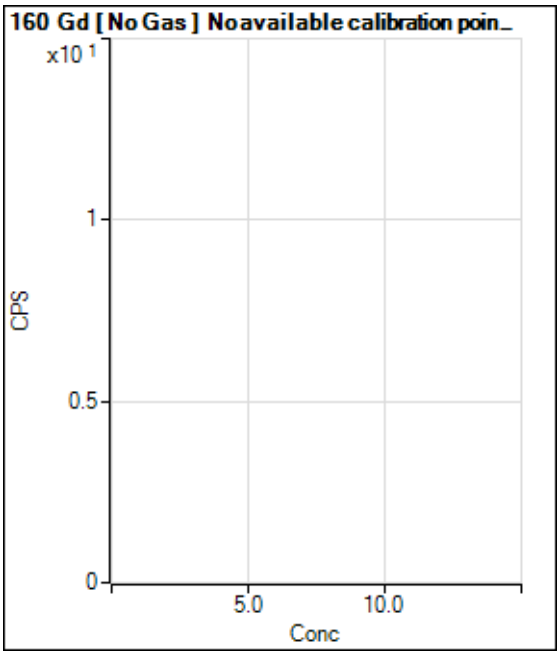


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			6.67		P	100.
2	☐			11.11		P	69.3
3	☐			15.56		P	53.9
4	☐			15.56		P	32.7
5	☐			33.33		P	17.3
6	☐			77.78		P	6.5
7	☐			128.89		P	14.9
8	☐			226.67		P	11.1

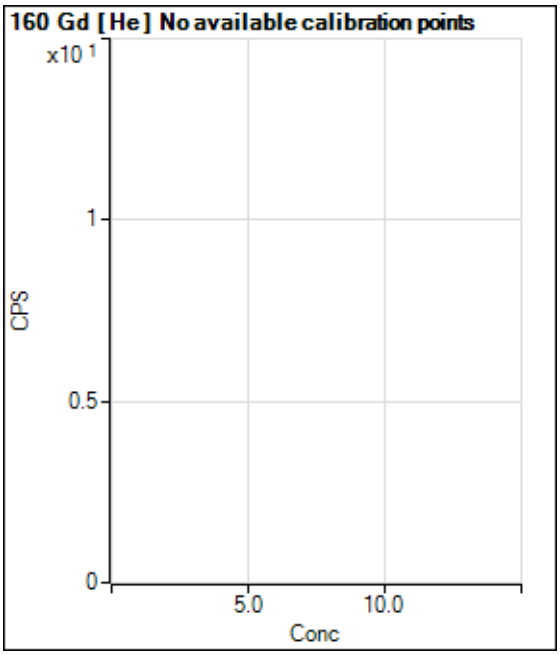


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1	☐			6.66		P	86.6
2	☐			3.33		P	100.
3	☐			13.34		P	43.3
4	☐			47.78		P	10.7
5	☐			86.67		P	6.7
6	☐			170.00		P	16.1
7	☐			342.23		P	11.8
8	☐			234.45		P	7.2

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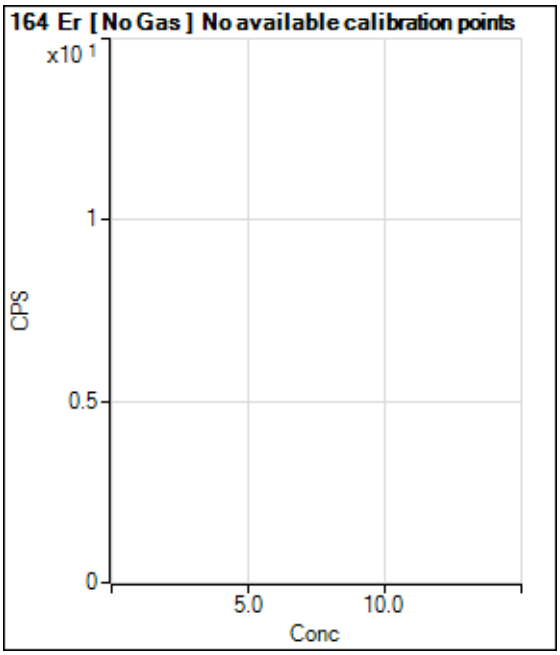


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1	☐			61.11		P	25.8
2	☐			64.44		P	25.5
3	☐			73.33		P	12.0
4	☐			64.44		P	28.5
5	☐			96.67		P	12.4
6	☐			118.89		P	25.4
7	☐			144.45		P	6.7
8	☐			340.01		P	7.1

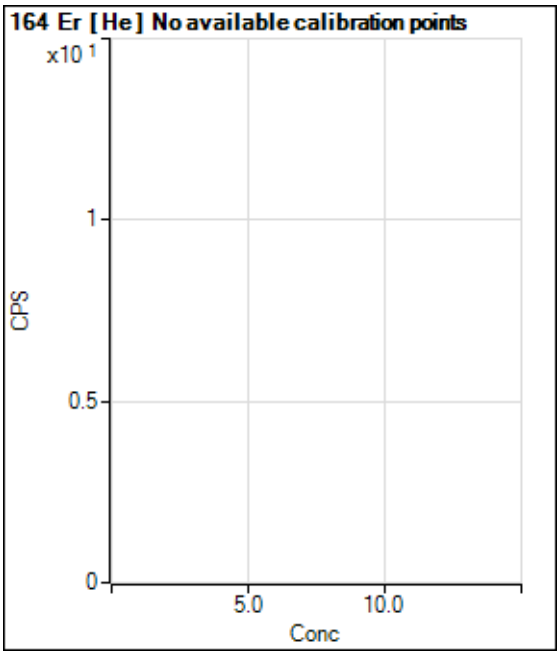


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1	☐			337.78		P	9.4
2	☐			381.12		P	20.0
3	☐			336.68		P	10.4
4	☐			370.01		P	12.7
5	☐			336.67		P	6.9
6	☐			375.56		P	13.6
7	☐			404.45		P	4.8
8	☐			586.69		P	5.5

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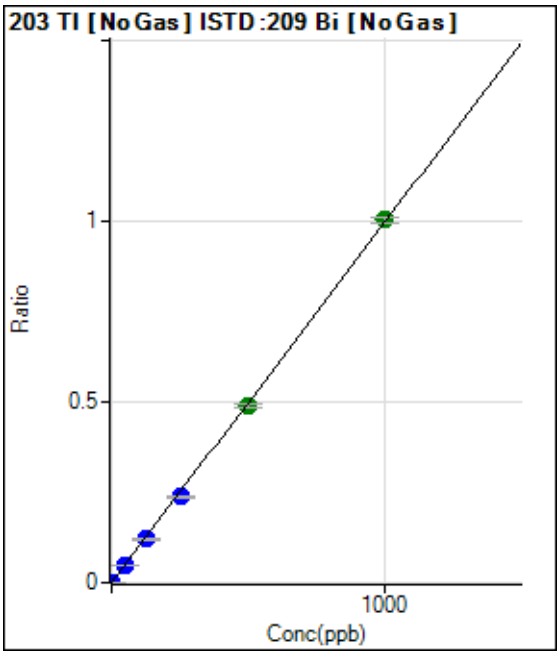


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			61.11		P	40.9
2	☐			62.22		P	8.2
3	☐			53.33		P	22.5
4	☐			83.33		P	12.0
5	☐			74.45		P	39.1
6	☐			120.00		P	25.0
7	☐			202.23		P	16.7
8	☐			625.58		P	6.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			43.33		P	46.8
2	☐			35.56		P	35.5
3	☐			44.44		P	31.2
4	☐			55.55		P	54.4
5	☐			70.00		P	12.6
6	☐			96.67		P	11.9
7	☐			134.45		P	3.8
8	☐			445.57		P	4.5

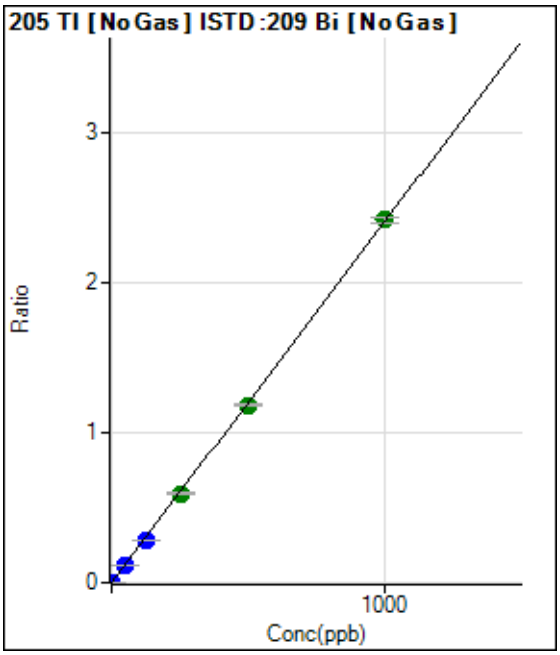
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	331.12	0.0001	P	6.5
2	☐	1.000	1.023	5226.61	0.0011	P	1.9
3	☐	50.000	47.056	224875.96	0.0469	P	0.8
4	☐	125.000	120.322	583009.48	0.1198	P	0.8
5	☐	250.000	238.039	1159196.95	0.2369	P	2.1
6	☐	500.000	491.718	2377599.36	0.4894	A	1.4
7	☐	1000.000	1007.863	4859234.37	1.0030	A	1.8
8	☐			6749.52	0.0015	P	0.8

y = 9.9507E-004 * x + 7.1838E-005
R = 0.9999
DL = 0.01404
BEC = 0.07219

Weight: <None>
Min Conc: <None>

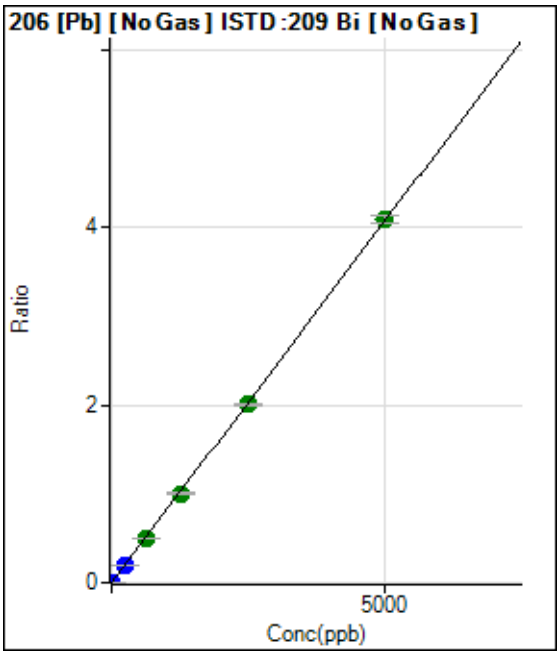


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	704.47	0.0002	P	2.8
2	☐	1.000	0.998	12238.99	0.0026	P	3.4
3	☐	50.000	46.557	537249.50	0.1120	P	0.5
4	☐	125.000	118.012	1380875.68	0.2838	P	0.2
5	☐	250.000	246.243	2896148.60	0.5919	A	1.6
6	☐	500.000	492.428	5750820.26	1.1835	A	0.7
7	☐	1000.000	1005.771	11710931.91	2.4172	A	1.3
8	☐			15675.85	0.0035	P	1.6

y = 0.0024 * x + 1.5276E-004
R = 0.9999
DL = 0.005278
BEC = 0.06356

Weight: <None>
Min Conc: <None>

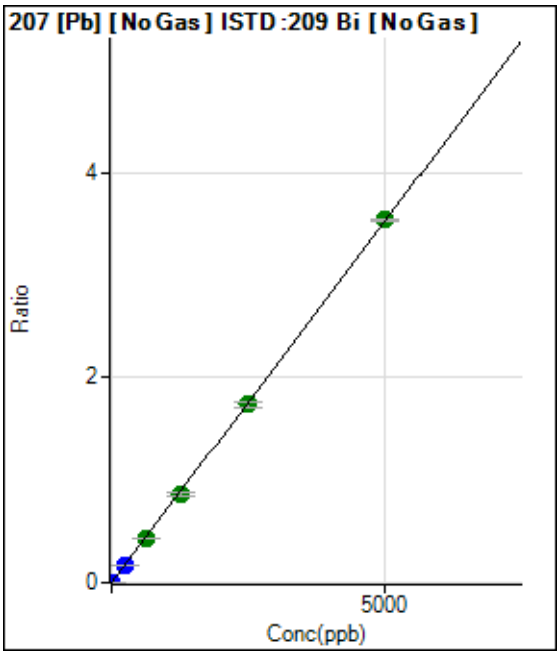
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	391.12	0.0001	P	10.4
2	☐	1.000	0.987	4251.83	0.0009	P	1.0
3	☐	250.000	234.614	914576.54	0.1907	P	0.3
4	☐	625.000	619.979	2451814.93	0.5038	A	1.0
5	☐	1250.000	1231.584	4895928.89	1.0008	A	2.6
6	☐	2500.000	2465.380	9733577.57	2.0033	A	0.7
7	☐	5000.000	5023.311	19776005.95	4.0817	A	2.2
8	☐			5234.40	0.0012	P	2.0

y = 8.1254E-004 * x + 8.4651E-005
R = 1.0000
DL = 0.03246
BEC = 0.1042

Weight: <None>
Min Conc: <None>

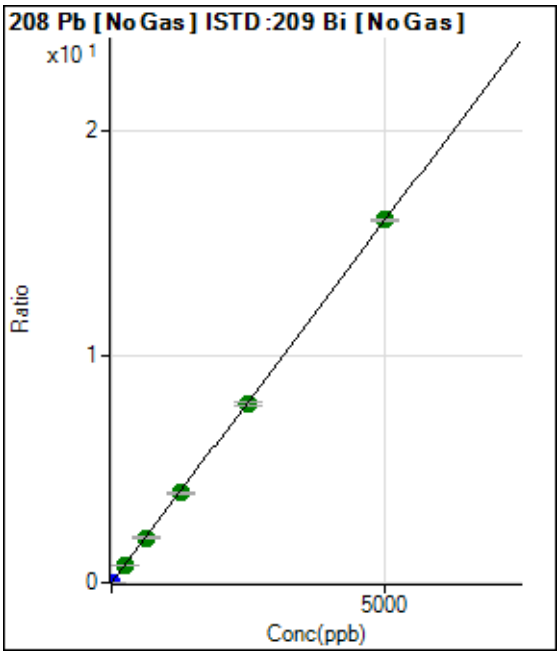


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	353.34	0.0001	P	5.7
2	☐	1.000	1.020	3810.58	0.0008	P	3.7
3	☐	250.000	232.004	783812.44	0.1635	P	0.3
4	☐	625.000	615.541	2109522.94	0.4335	A	3.0
5	☐	1250.000	1227.423	4227990.56	0.8644	A	4.3
6	☐	2500.000	2464.366	8431432.10	1.7355	A	2.7
7	☐	5000.000	5025.544	17145425.72	3.5390	A	0.8
8	☐			4496.35	0.0010	P	3.8

y = 7.0419E-004 * x + 7.6651E-005
R = 1.0000
DL = 0.01875
BEC = 0.1089

Weight: <None>
Min Conc: <None>

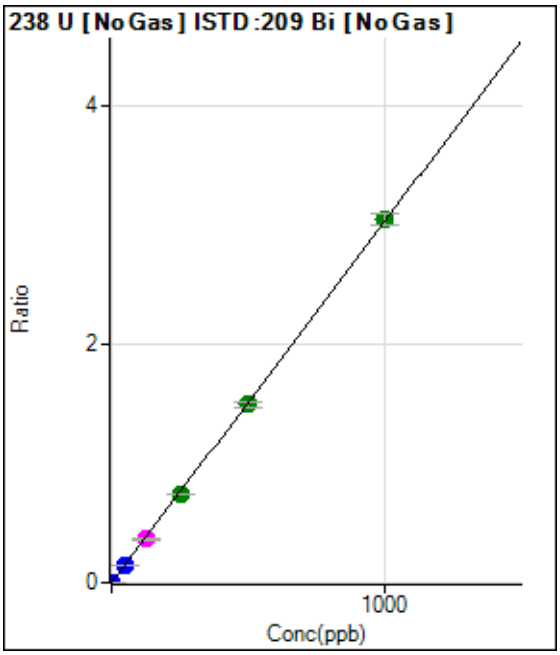
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1588.94	0.0003	P	6.6
2	☐	1.000	1.008	17099.97	0.0036	P	1.5
3	☐	250.000	239.544	3671811.84	0.7657	A	0.8
4	☐	625.000	624.639	9712976.02	1.9961	A	2.4
5	☐	1250.000	1239.692	19379241.52	3.9612	A	2.4
6	☐	2500.000	2474.991	38423029.09	7.9081	A	1.6
7	☐	5000.000	5015.650	77641680.79	16.0256	A	0.8
8	☐			20425.07	0.0045	P	2.9

y = 0.0032 * x + 3.4412E-004
R = 1.0000
DL = 0.02143
BEC = 0.1077

Weight: <None>
Min Conc: <None>

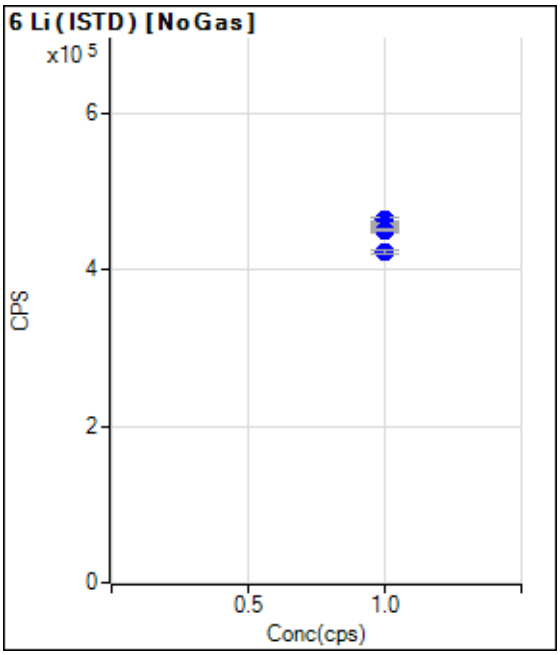


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70.00	0.0000	P	109.
2	☐	1.000	0.978	14264.45	0.0030	P	2.5
3	☐	50.000	45.446	659787.33	0.1376	P	0.7
4	☐	125.000	120.467	1774369.66	0.3647	M	4.0
5	☐	250.000	246.206	3646933.52	0.7453	A	1.2
6	☐	500.000	493.324	7255778.09	1.4934	A	2.5
7	☐	1000.000	1005.081	14741768.81	3.0426	A	3.1
8	☐			621.13	0.0001	P	34.8

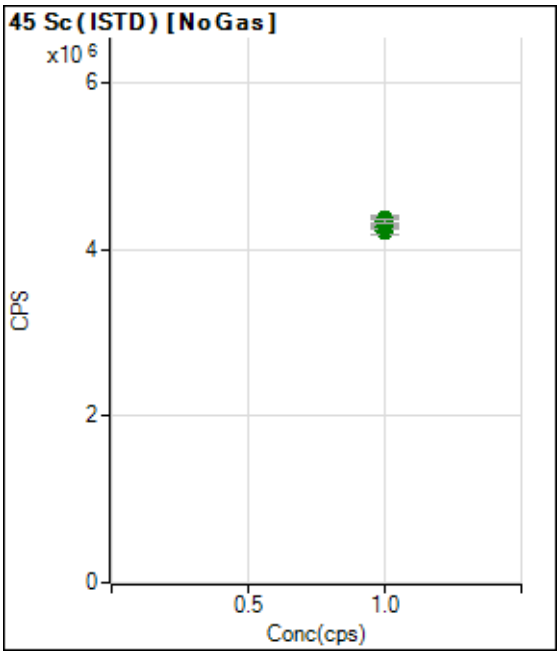
y = 0.0030 * x + 1.4949E-005
R = 1.0000
DL = 0.01626
BEC = 0.004938

Weight: <None>
Min Conc: <None>

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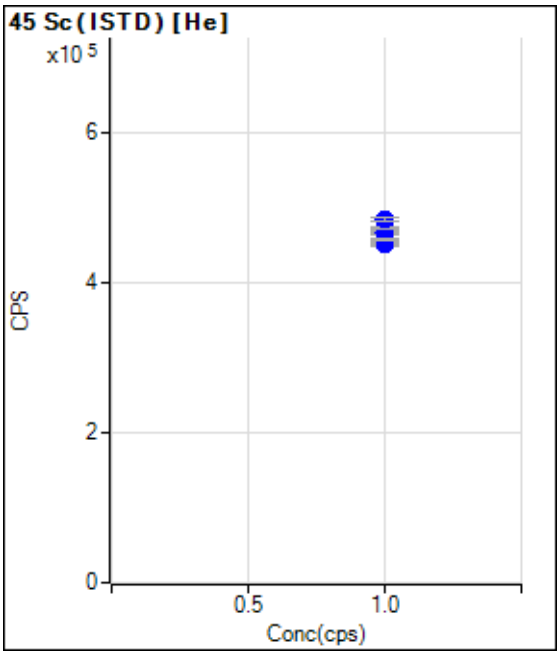


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		421705.08		P	1.4
2	☐	1.000		448761.16		P	1.0
3	☐	1.000		455967.88		P	1.0
4	☐	1.000		451581.82		P	0.4
5	☐	1.000		458459.71		P	0.4
6	☐	1.000		463224.89		P	1.0
7	☐	1.000		457411.89		P	0.3
8	☐	1.000		450529.71		P	0.7

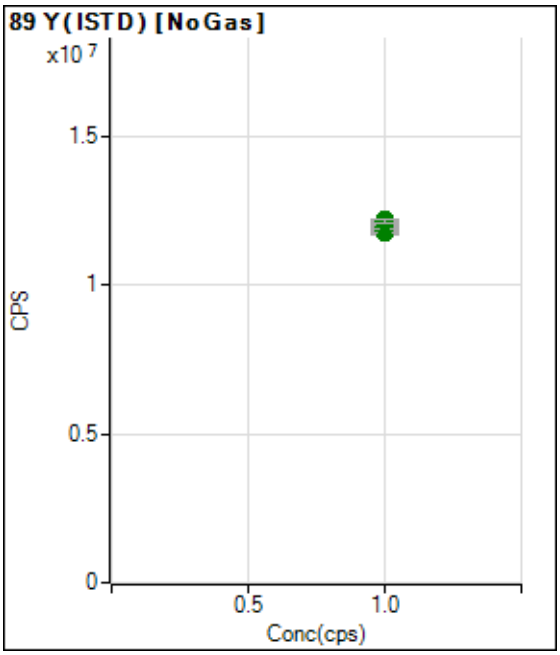


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4216616.36		A	1.8
2	☐	1.000		4350081.05		A	2.4
3	☐	1.000		4310416.70		A	0.2
4	☐	1.000		4269299.59		A	1.0
5	☐	1.000		4301349.66		A	0.8
6	☐	1.000		4324939.90		A	1.8
7	☐	1.000		4330895.84		A	2.0
8	☐	1.000		4334380.66		A	1.0

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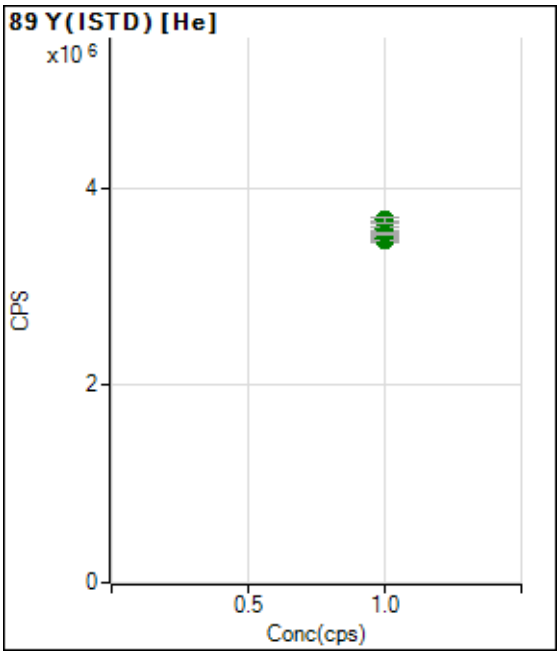


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1	☐	1.000		450968.20		P	0.7
2	☐	1.000		465504.49		P	0.9
3	☐	1.000		466441.38		P	1.2
4	☐	1.000		454607.58		P	0.7
5	☐	1.000		457294.37		P	0.3
6	☐	1.000		458717.47		P	0.5
7	☐	1.000		472023.72		P	0.6
8	☐	1.000		483719.19		P	1.1

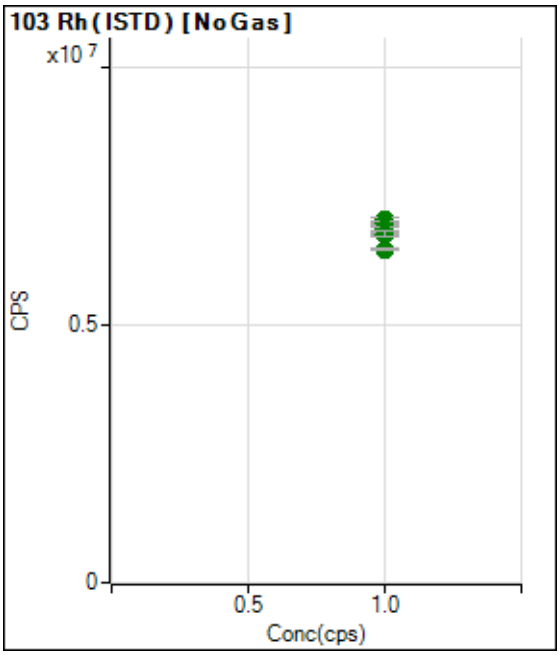


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11744585.52		A	1.2
2	☐	1.000		11874360.38		A	1.2
3	☐	1.000		11993413.85		A	0.2
4	☐	1.000		11808635.93		A	1.1
5	☐	1.000		11946208.71		A	1.2
6	☐	1.000		12179550.10		A	0.4
7	☐	1.000		12113630.38		A	1.1
8	☐	1.000		12149081.63		A	0.9

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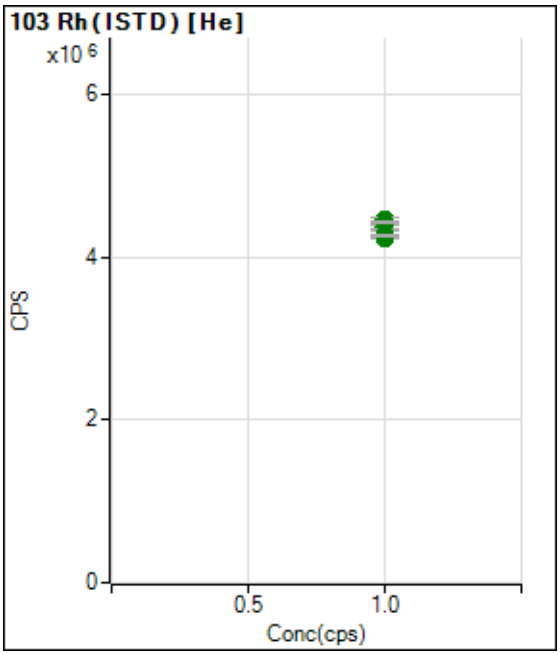


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3492692.62		A	0.9
2	☐	1.000		3587255.05		A	1.5
3	☐	1.000		3546048.97		A	1.2
4	☐	1.000		3466973.42		A	1.3
5	☐	1.000		3489301.76		A	1.1
6	☐	1.000		3536838.42		A	0.8
7	☐	1.000		3635117.69		A	1.3
8	☐	1.000		3675709.77		A	1.4

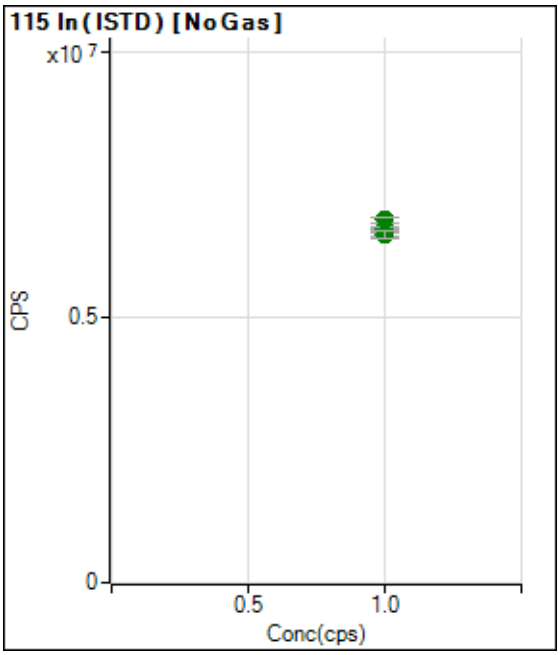


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6845678.79		A	2.8
2	☐	1.000		7048487.25		A	1.3
3	☐	1.000		6974926.84		A	0.9
4	☐	1.000		6859018.79		A	1.3
5	☐	1.000		6829197.95		A	0.1
6	☐	1.000		6848275.38		A	1.4
7	☐	1.000		6770527.61		A	1.6
8	☐	1.000		6478438.45		A	0.5

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LB :LB136916

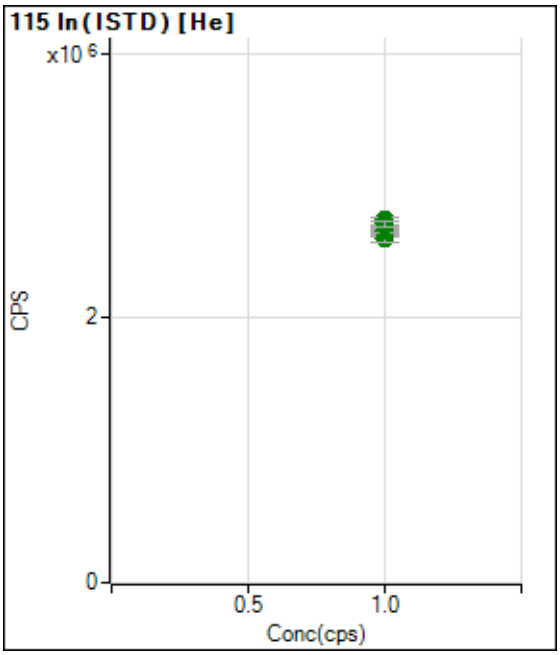


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1	☐	1.000		4335246.60		A	0.6
2	☐	1.000		4455628.72		A	1.0
3	☐	1.000		4418708.20		A	1.0
4	☐	1.000		4359142.92		A	1.7
5	☐	1.000		4238643.82		A	0.2
6	☐	1.000		4332819.56		A	0.5
7	☐	1.000		4422164.51		A	0.4
8	☐	1.000		4266160.32		A	0.8

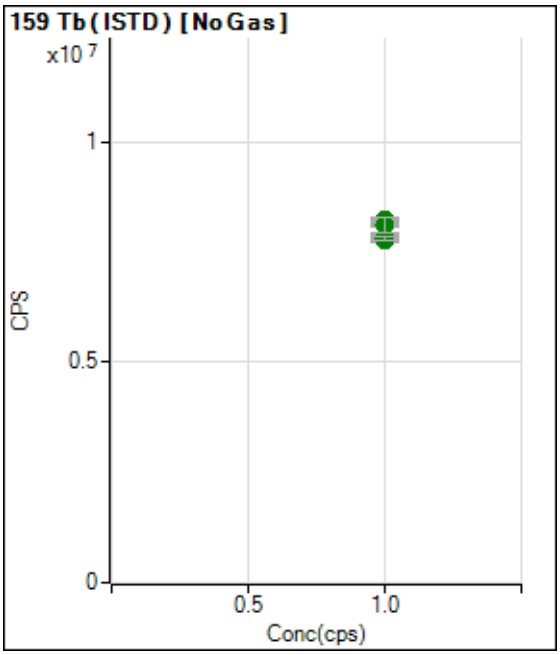


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6558647.72		A	1.3
2	☐	1.000		6831335.82		A	1.9
3	☐	1.000		6660169.95		A	1.2
4	☐	1.000		6620471.86		A	0.6
5	☐	1.000		6692401.19		A	0.5
6	☐	1.000		6713529.38		A	1.7
7	☐	1.000		6648467.29		A	1.9
8	☐	1.000		6553954.78		A	2.2

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

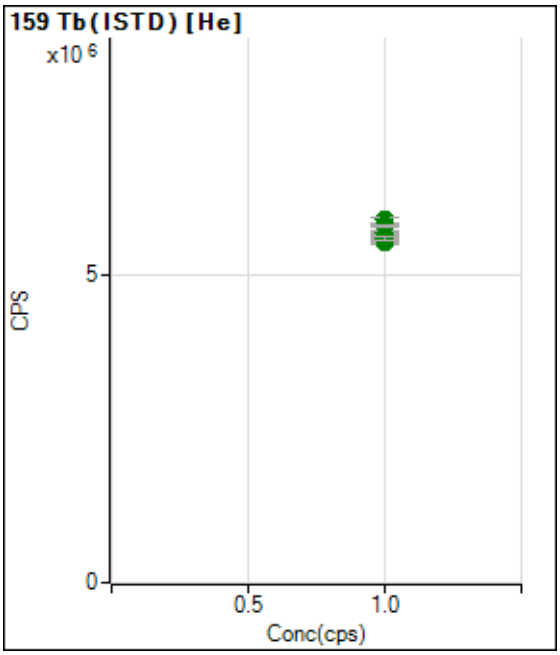


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1	☐	1.000		2629779.74		A	1.4
2	☐	1.000		2742082.97		A	1.1
3	☐	1.000		2693891.57		A	0.6
4	☐	1.000		2645105.31		A	0.6
5	☐	1.000		2608308.48		A	2.3
6	☐	1.000		2661338.22		A	0.9
7	☐	1.000		2696883.98		A	0.4
8	☐	1.000		2713554.28		A	1.9

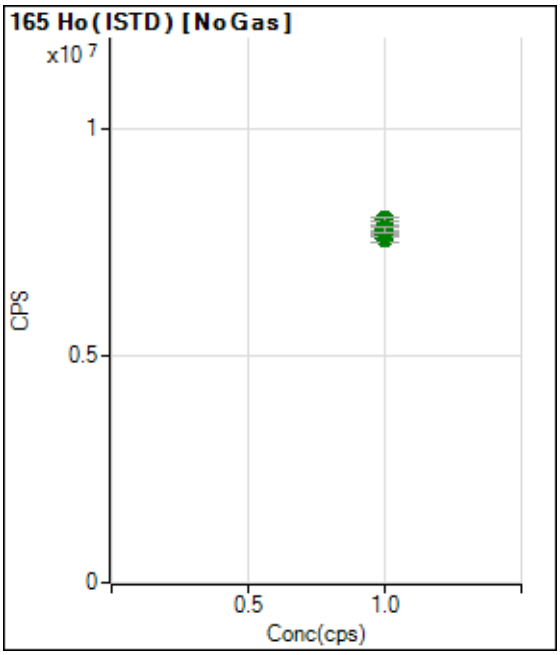


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7780293.64		A	2.0
2	☐	1.000		7824332.04		A	1.2
3	☐	1.000		7783917.59		A	0.7
4	☐	1.000		7812702.80		A	0.9
5	☐	1.000		8092436.20		A	0.8
6	☐	1.000		8219637.86		A	1.3
7	☐	1.000		8224037.93		A	0.7
8	☐	1.000		8106387.59		A	3.9

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

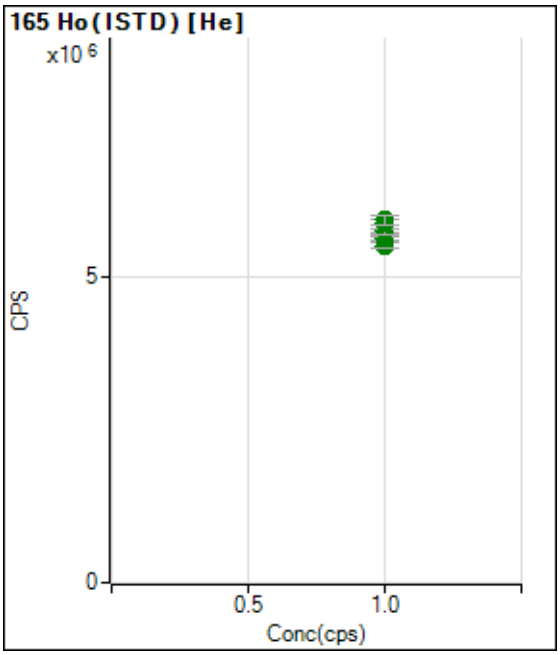


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5512632.83		A	0.9
2	☐	1.000		5643414.71		A	1.7
3	☐	1.000		5667342.83		A	1.9
4	☐	1.000		5558048.25		A	0.8
5	☐	1.000		5683009.15		A	0.8
6	☐	1.000		5586714.43		A	0.9
7	☐	1.000		5891289.91		A	1.8
8	☐	1.000		5793899.98		A	0.9

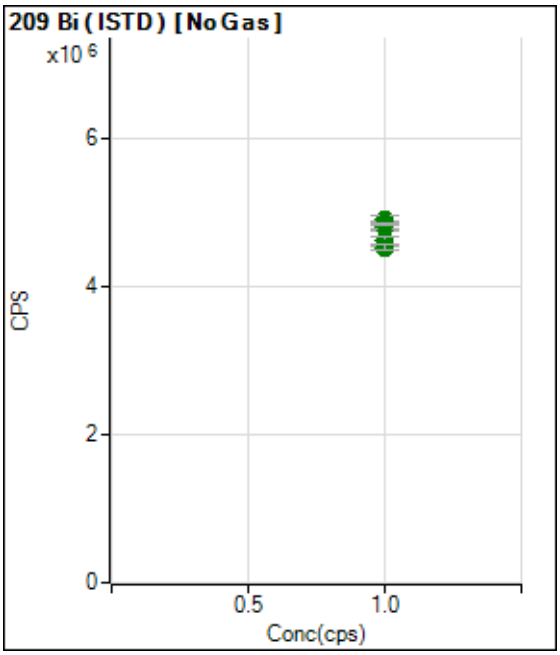


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7555727.94		A	1.4
2	☐	1.000		7701509.05		A	1.2
3	☐	1.000		7650941.34		A	1.3
4	☐	1.000		7759956.14		A	1.4
5	☐	1.000		7768814.19		A	1.5
6	☐	1.000		7849088.43		A	0.2
7	☐	1.000		7981646.13		A	1.2
8	☐	1.000		7765503.57		A	1.9

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

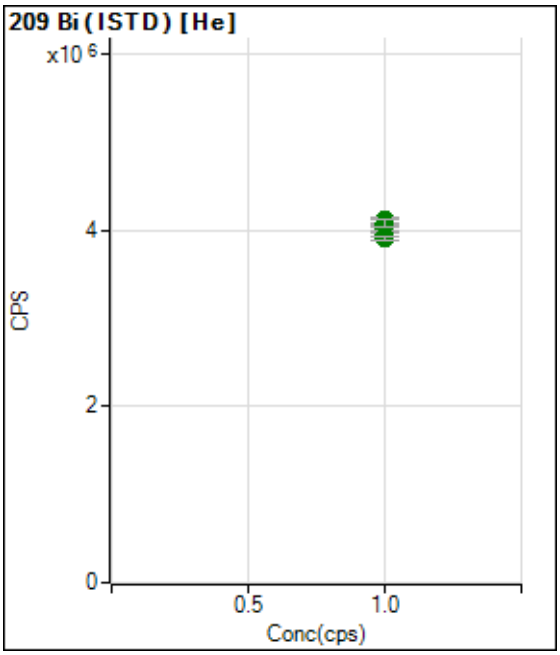


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5522665.37		A	1.4
2	☐	1.000		5705562.34		A	0.9
3	☐	1.000		5650584.50		A	1.6
4	☐	1.000		5628159.92		A	1.1
5	☐	1.000		5672373.46		A	0.4
6	☐	1.000		5755443.74		A	1.4
7	☐	1.000		5903480.54		A	1.6
8	☐	1.000		5941593.94		A	2.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4612147.26		A	2.7
2	☐	1.000		4796111.49		A	1.5
3	☐	1.000		4795424.65		A	0.8
4	☐	1.000		4866511.52		A	0.8
5	☐	1.000		4893733.57		A	2.0
6	☐	1.000		4858928.99		A	1.1
7	☐	1.000		4844790.69		A	0.4
8	☐	1.000		4519034.38		A	1.7

Reviewed By:jaswal
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Inst Id :P7
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3946045.32		A	0.9
2	☐	1.000		4118542.16		A	1.4
3	☐	1.000		4086255.77		A	1.9
4	☐	1.000		4025651.19		A	1.7
5	☐	1.000		4032623.24		A	1.8
6	☐	1.000		4069391.08		A	1.1
7	☐	1.000		4081233.13		A	1.8
8	☐	1.000		3908132.79		A	1.5

US EPA Tune Check Report

Reviewed By:jasw
On:8/25/2025 3:50 PM
Inst Id :P7
LB :LB136916

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7082125-MS.b

Acq. Date-Time 2025-08-21 10:56:57

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		5513	55127.87			0.529	5.000
24		153319	1533189.58			0.881	5.000
25		20516	205156.98			1.142	5.000
26		24172	241721.44			1.213	5.000
59		96286	962863.25			0.558	5.000
113		11715	117145.86			0.409	5.000
115		137668	1376682.29			1.094	5.000
206		26028	260284.94			0.458	5.000
207		22643	226427.29			0.267	5.000
208		53900	538998.70			0.557	5.000
220		0	3.70			36.512	

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	5512	5487	5561	5491	5513
24	154564	151787	152331	153058	154855
25	20634	20471	20304	20312	20858
26	24325	24035	24022	23871	24607
59	96772	96206	95408	96408	96638
113	11747	11738	11671	11656	11762
115	139985	136869	136787	136330	138369
206	25996	26112	25946	25900	26188
207	22725	22566	22608	22671	22644
208	53975	53863	53785	53528	54349

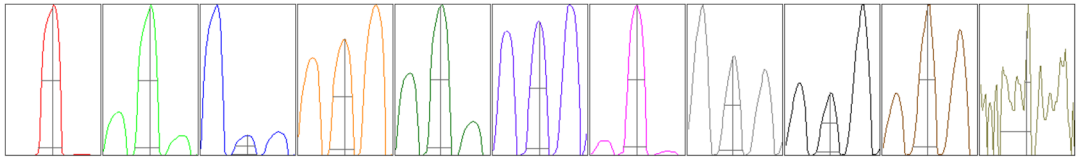
US EPA Tune Check Report

Reviewed By:jasw
On:8/25/2025 3:50 PM
Inst Id :P7
LB :LB136916

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	9815.12	9.00	8.90 - 9.10	
24	269134.67	24.00	23.90 - 24.10	
25	35120.99	25.00	24.90 - 25.10	
26	42008.17	26.00	25.90 - 26.10	
59	171653.94	58.95	58.90 - 59.10	
113	22905.63	113.00	112.90 - 113.10	
115	267982.71	115.00	114.90 - 115.10	
206	53298.65	205.95	205.90 - 206.10	
207	46630.66	206.95	206.90 - 207.10	
208	112088.55	207.95	207.90 - 208.10	
220	0.70	220.00	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.58	0.731	0.900	
24	0.60	0.777	0.900	
25	0.61	0.781	0.900	
26	0.61	0.785	0.900	
59	0.59	0.773	0.900	
113	0.52	0.731	0.900	
115	0.52	0.726	0.900	
206	0.50	0.742	0.900	
207	0.50	0.737	0.900	
208	0.49	0.769	0.900	
220	0.18	0.969		

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:jasw
On:8/25/2025 3:50 PM
Inst Id :P7
LB :LB136916

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	7.5 V	Deflect	16.0 V
Extract 2	-160.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-80 V	Cell Exit	-50 V		

Cell Parameters

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

QP Parameters

Mass Gain	138	Axis Gain	0.9972	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.15		

Hardware Settings

Torch

Torch H	-2.0 mm	Torch V	0.1 mm		

EM

Discriminator	4.7 mV	Analog HV	2291 V	Pulse HV	1190 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		36449	364491.33			0.655	
89		95210	952095.97			1.012	
205		29142	291419.67			0.658	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	36624	36656	36309	36559	36098
89	95730	94259	94212	96434	95413
205	29373	28953	29006	29056	29322

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	8.5 V	Deflect	3.6 V

US EPA Tune Check Report

Reviewed By:jasw
On:8/25/2025 3:50 PM
Inst Id :P7
LB :LB136916

Extract 2	-190.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-95 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	0.9972	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.15		

Hardware Settings

Torch

Torch H	-2.0 mm	Torch V	0.1 mm

EM

Discriminator	4.7 mV	Analog HV	2291 V	Pulse HV	1190 V

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:33:15	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.13	0.51	-0.38	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	-0.02	0.01	0.00	N/A	ppb
Barium	135-1	0.02	-0.02	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.01	-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	-0.01	0.02	-0.01	0.00	N/A	ppb
Cadmium	106-1	0.43	0.05	-0.48	0.00	N/A	ppb
Cadmium	111-1	0.03	0.01	-0.04	0.00	N/A	ppb
Calcium	43-1	-5.28	5.58	-0.30	0.00	N/A	ppb
Calcium	44-1	1.11	3.41	-4.52	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.01	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	-0.01	0.01	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.03	0.11	-0.14	0.00	N/A	ppb
Iron	57-2	-0.39	1.65	-1.26	0.00	N/A	ppb
Iron	54-2	-2.22	3.89	-1.68	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:33:15	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.01	-0.01	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	0.01	0.00	-0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.00	0.02	-0.02	0.00	N/A	ppb
Manganese	55-2	-0.04	0.03	0.01	0.00	N/A	ppb
Molybdenum	94-1	0.01	-0.03	0.02	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	96-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.03	-0.02	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.01	-0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.03	-0.03	0.00	N/A	ppb
Phosphorus	31-2	-20.85	-22.60	-16.43	-19.96		ppb
Potassium	39-2	-3.58	-0.92	4.50	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.25	-0.19	-0.06	0.00	N/A	ppb
Selenium	77-2	-0.16	0.08	0.08	0.00	N/A	ppb
Selenium	78-2	1.69	-2.06	0.36	0.00	N/A	ppb
Silicon	28-1	0.02	0.50	-0.52	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	-0.37	-0.46	0.83	0.00	N/A	ppb
Strontium	86-1	0.01	-0.02	0.01	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-139.03	133.47	-111.73	-39.10		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	-0.01	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Titanium	47-1	0.02	0.00	-0.02	0.00	N/A	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:33:15	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.01	-0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.22	0.21	0.01	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.01	0.00	0.00	0.00	N/A	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:39:47	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.89	19.57	20.98	20.81	5.61	ppb
Antimony	121-1	2.15	2.25	2.13	2.18	2.96	ppb
Arsenic	75-2	1.22	1.15	1.03	1.13	8.19	ppb
Barium	135-1	10.62	11.28	10.98	10.96	3.01	ppb
Barium	137-1	10.97	11.21	11.02	11.06	1.17	ppb
Beryllium	9-1	1.00	1.24	1.18	1.14	10.78	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.24	1.01	1.27	1.17	12.30	ppb
Cadmium	106-1	1.92	2.06	1.22	1.73	26.03	ppb
Cadmium	111-1	1.36	1.23	1.25	1.28	5.41	ppb
Calcium	43-1	583.76	567.45	581.24	577.48	1.52	ppb
Calcium	44-1	556.10	553.92	572.28	560.77	1.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.20	2.02	2.14	2.12	4.29	ppb
Cobalt	59-2	1.18	1.19	1.17	1.18	0.68	ppb
Copper	63-2	2.13	2.13	2.06	2.11	1.87	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	59.20	57.85	59.26	58.77	1.36	ppb
Iron	57-2	62.69	59.49	66.43	62.87	5.53	ppb
Iron	54-2	60.44	59.49	59.02	59.65	1.22	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:39:47	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.99	0.98	1.00	0.99	1.06	ppb
Lead	207-1	1.05	0.97	1.04	1.02	4.12	ppb
Lead	208-1	1.03	0.99	1.01	1.01	1.71	ppb
Lithium	6-1				106		%
Magnesium	24-2	550.94	529.97	536.85	539.26	1.98	ppb
Manganese	55-2	1.01	1.04	0.99	1.01	2.50	ppb
Molybdenum	94-1	6.34	6.41	6.45	6.40	0.85	ppb
Molybdenum	95-1	5.65	5.41	5.74	5.60	3.00	ppb
Molybdenum	96-1	5.73	5.73	5.73	5.73	0.04	ppb
Molybdenum	97-1	5.51	5.72	5.51	5.58	2.16	ppb
Molybdenum	98-1	5.57	5.41	5.43	5.47	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.24	1.12	1.20	1.19	5.17	ppb
Phosphorus	31-2	24.57	16.73	18.59	19.96	20.52	ppb
Potassium	39-2	576.81	556.85	571.11	568.26	1.81	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	5.79	6.17	5.67	5.87	4.43	ppb
Selenium	77-2	6.26	7.18	4.95	6.13	18.28	ppb
Selenium	78-2	5.07	5.57	5.27	5.30	4.79	ppb
Silicon	28-1	-0.88	-0.74	0.85	-0.26		ppb
Silver	107-1	1.09	1.17	1.15	1.14	3.32	ppb
Silver	109-1	1.07	1.15	1.14	1.12	4.20	ppb
Sodium	23-2	555.51	537.65	543.22	545.46	1.68	ppb
Strontium	86-1	1.06	1.04	1.16	1.08	5.89	ppb
Strontium	88-1	1.09	1.05	1.08	1.07	1.94	ppb
Sulfur	34-1	-34.10	-127.92	279.31	39.10	545.45	ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	1.05	1.01	1.02	1.02	2.08	ppb
Thallium	205-1	1.04	0.99	0.96	1.00	3.66	ppb
Tin	118-1	5.36	5.57	5.51	5.48	1.98	ppb
Titanium	47-1	5.61	5.59	5.61	5.60	0.25	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:39:47	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.98	0.95	1.00	0.98	2.54	ppb
Vanadium	51-2	5.47	5.56	5.47	5.50	0.96	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	5.28	5.29	5.57	5.38	3.00	ppb
Zirconium	90-1	1.06	1.02	1.08	1.05	2.67	ppb
Zirconium	91-1	1.07	1.06	1.03	1.05	2.15	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:43:03	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1017.18	1007.60	1028.75	1017.84	1.04	ppb
Antimony	121-1	51.87	52.12	51.29	51.76	0.82	ppb
Arsenic	75-2	51.17	52.06	50.63	51.29	1.41	ppb
Barium	135-1	258.28	256.41	255.53	256.74	0.55	ppb
Barium	137-1	258.35	258.08	253.92	256.78	0.97	ppb
Beryllium	9-1	52.00	51.69	50.94	51.54	1.06	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	54.52	54.64	52.59	53.91	2.13	ppb
Cadmium	106-1	56.42	53.09	54.10	54.54	3.13	ppb
Cadmium	111-1	53.48	53.31	53.39	53.39	0.15	ppb
Calcium	43-1	5362.32	5374.67	5279.56	5338.85	0.97	ppb
Calcium	44-1	5046.33	5056.82	5099.68	5067.61	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.85	49.79	50.69	50.44	1.13	ppb
Cobalt	59-2	50.83	50.44	51.16	50.81	0.71	ppb
Copper	63-2	509.00	512.84	521.48	514.44	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				101		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	2629.97	2618.15	2640.01	2629.38	0.42	ppb
Iron	57-2	2768.25	2721.60	2778.47	2756.11	1.10	ppb
Iron	54-2	2800.19	2776.68	2818.48	2798.45	0.75	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:43:03	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	233.88	234.83	235.14	234.61	0.28	ppb
Lead	207-1	231.72	231.51	232.78	232.00	0.29	ppb
Lead	208-1	241.32	239.75	237.56	239.54	0.79	ppb
Lithium	6-1				108		%
Magnesium	24-2	5117.21	5075.98	5152.52	5115.23	0.75	ppb
Manganese	55-2	509.34	499.86	509.62	506.27	1.10	ppb
Molybdenum	94-1	494.83	497.44	491.90	494.72	0.56	ppb
Molybdenum	95-1	497.76	498.67	499.78	498.74	0.20	ppb
Molybdenum	96-1	499.55	496.25	489.51	495.10	1.03	ppb
Molybdenum	97-1	496.96	503.34	506.40	502.23	0.96	ppb
Molybdenum	98-1	498.18	493.73	496.39	496.10	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.30	51.49	51.85	51.55	0.54	ppb
Phosphorus	31-2	1037.80	975.11	995.24	1002.72	3.19	ppb
Potassium	39-2	2650.67	2608.27	2659.71	2639.55	1.04	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	51.02	50.77	51.13	50.97	0.36	ppb
Selenium	77-2	51.93	50.49	48.10	50.18	3.85	ppb
Selenium	78-2	50.12	52.24	52.33	51.56	2.42	ppb
Silicon	28-1	63.81	62.87	62.46	63.05	1.10	ppb
Silver	107-1	53.48	54.14	54.27	53.96	0.78	ppb
Silver	109-1	52.52	53.65	52.98	53.05	1.07	ppb
Sodium	23-2	5132.80	5051.15	5263.39	5149.11	2.08	ppb
Strontium	86-1	50.13	49.70	49.97	49.93	0.44	ppb
Strontium	88-1	50.21	50.86	50.11	50.39	0.81	ppb
Sulfur	34-1	1099.20	1033.17	990.07	1040.81	5.28	ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	47.49	46.79	46.89	47.06	0.80	ppb
Thallium	205-1	46.72	46.28	46.67	46.56	0.51	ppb
Tin	118-1	50.92	51.33	50.57	50.94	0.75	ppb
Titanium	47-1	504.87	504.41	500.89	503.39	0.43	ppb

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:43:03	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	45.18	45.34	45.81	45.45	0.72	ppb
Vanadium	51-2	50.29	49.57	50.33	50.06	0.86	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	523.56	511.29	522.68	519.18	1.32	ppb
Zirconium	90-1	49.44	49.87	49.47	49.59	0.48	ppb
Zirconium	91-1	49.54	50.12	49.23	49.63	0.91	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:46:12	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2636.59	2611.83	2627.04	2625.15	0.48	ppb
Antimony	121-1	132.36	132.91	129.94	131.74	1.20	ppb
Arsenic	75-2	130.95	131.39	134.27	132.20	1.36	ppb
Barium	135-1	655.82	657.41	649.72	654.31	0.62	ppb
Barium	137-1	659.31	662.44	646.37	656.04	1.30	ppb
Beryllium	9-1	131.79	132.62	132.33	132.25	0.32	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	137.68	134.36	137.71	136.59	1.41	ppb
Cadmium	106-1	137.96	137.43	136.38	137.26	0.59	ppb
Cadmium	111-1	138.04	136.03	136.56	136.87	0.76	ppb
Calcium	43-1	13512.31	13843.57	13835.72	13730.53	1.38	ppb
Calcium	44-1	12943.31	13095.15	13302.76	13113.74	1.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132.86	130.04	129.29	130.73	1.44	ppb
Cobalt	59-2	132.77	129.10	129.73	130.53	1.50	ppb
Copper	63-2	1377.69	1331.76	1307.17	1338.87	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				102		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	6824.83	6903.70	6927.69	6885.41	0.78	ppb
Iron	57-2	7250.13	7057.39	7044.41	7117.31	1.62	ppb
Iron	54-2	7218.53	7143.49	7274.70	7212.24	0.91	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:46:12	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	621.86	624.82	613.25	619.98	0.97	ppb
Lead	207-1	601.75	636.71	608.17	615.54	3.02	ppb
Lead	208-1	615.22	641.77	616.92	624.64	2.38	ppb
Lithium	6-1				107		%
Magnesium	24-2	13250.93	13049.35	13330.00	13210.09	1.10	ppb
Manganese	55-2	1318.01	1304.05	1284.65	1302.24	1.29	ppb
Molybdenum	94-1	1256.35	1294.26	1325.93	1292.18	2.70	ppb
Molybdenum	95-1	1269.53	1303.95	1333.74	1302.41	2.47	ppb
Molybdenum	96-1	1287.61	1307.00	1331.57	1308.73	1.68	ppb
Molybdenum	97-1	1283.11	1326.78	1317.50	1309.13	1.76	ppb
Molybdenum	98-1	1283.28	1301.01	1287.99	1290.76	0.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	133.53	134.47	133.19	133.73	0.50	ppb
Phosphorus	31-2	2639.53	2566.75	2549.22	2585.17	1.85	ppb
Potassium	39-2	6675.39	6371.99	6531.84	6526.41	2.33	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	133.20	135.06	135.62	134.63	0.94	ppb
Selenium	77-2	133.64	143.98	129.47	135.70	5.50	ppb
Selenium	78-2	136.81	132.67	136.62	135.37	1.72	ppb
Silicon	28-1	127.83	130.75	131.99	130.19	1.64	ppb
Silver	107-1	137.18	137.00	135.35	136.51	0.74	ppb
Silver	109-1	135.64	134.69	133.66	134.66	0.73	ppb
Sodium	23-2	13701.57	13158.13	13383.32	13414.34	2.04	ppb
Strontium	86-1	127.18	132.30	130.87	130.12	2.03	ppb
Strontium	88-1	129.85	133.10	131.11	131.35	1.25	ppb
Sulfur	34-1	2582.42	2590.27	2614.00	2595.56	0.63	ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	119.21	120.84	120.92	120.32	0.80	ppb
Thallium	205-1	117.79	118.26	117.99	118.01	0.20	ppb
Tin	118-1	131.06	130.13	129.79	130.33	0.50	ppb
Titanium	47-1	1277.33	1288.76	1293.98	1286.69	0.66	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:46:12	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	121.01	124.96	115.43	120.47	3.98	ppb
Vanadium	51-2	131.75	129.39	130.26	130.47	0.92	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	1363.37	1339.53	1318.90	1340.60	1.66	ppb
Zirconium	90-1	128.36	129.63	132.36	130.11	1.57	ppb
Zirconium	91-1	127.06	129.99	131.26	129.44	1.67	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:49:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5142.31	5156.44	5145.07	5147.94	0.15	ppb
Antimony	121-1	248.21	250.27	255.21	251.23	1.43	ppb
Arsenic	75-2	258.61	258.49	255.12	257.41	0.77	ppb
Barium	135-1	1241.53	1229.82	1267.28	1246.21	1.54	ppb
Barium	137-1	1248.03	1279.95	1307.17	1278.38	2.32	ppb
Beryllium	9-1	253.90	257.29	259.32	256.84	1.07	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	256.47	258.37	260.61	258.48	0.80	ppb
Cadmium	106-1	255.91	256.36	262.34	258.20	1.39	ppb
Cadmium	111-1	255.54	260.36	259.96	258.62	1.03	ppb
Calcium	43-1	26432.48	26789.53	26000.38	26407.46	1.50	ppb
Calcium	44-1	25139.99	25301.25	25371.56	25270.94	0.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	257.17	258.59	255.37	257.04	0.63	ppb
Cobalt	59-2	257.04	254.80	256.98	256.28	0.50	ppb
Copper	63-2	2534.69	2609.17	2584.97	2576.28	1.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	13604.46	13486.01	13696.69	13595.72	0.78	ppb
Iron	57-2	13969.15	13986.15	13897.61	13950.97	0.34	ppb
Iron	54-2	13422.53	13657.52	13447.22	13509.09	0.96	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:49:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1197.94	1261.26	1235.55	1231.58	2.59	ppb
Lead	207-1	1166.30	1263.93	1252.03	1227.42	4.34	ppb
Lead	208-1	1207.14	1264.83	1247.11	1239.69	2.38	ppb
Lithium	6-1				109		%
Magnesium	24-2	26283.61	26106.67	25686.37	26025.55	1.18	ppb
Manganese	55-2	2569.43	2566.44	2542.50	2559.46	0.58	ppb
Molybdenum	94-1	2491.04	2554.77	2503.67	2516.49	1.34	ppb
Molybdenum	95-1	2462.52	2553.23	2545.57	2520.44	2.00	ppb
Molybdenum	96-1	2457.11	2587.10	2525.87	2523.36	2.58	ppb
Molybdenum	97-1	2483.19	2560.88	2563.27	2535.78	1.80	ppb
Molybdenum	98-1	2476.73	2557.56	2564.31	2532.86	1.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	260.90	259.93	259.33	260.05	0.30	ppb
Phosphorus	31-2	5153.63	5132.21	5119.14	5134.99	0.34	ppb
Potassium	39-2	12985.58	12965.99	12846.90	12932.82	0.58	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	255.47	259.54	262.64	259.22	1.39	ppb
Selenium	77-2	255.00	268.60	280.06	267.89	4.68	ppb
Selenium	78-2	262.50	266.68	257.15	262.11	1.82	ppb
Silicon	28-1	244.83	240.99	241.82	242.55	0.83	ppb
Silver	107-1	250.96	250.20	255.79	252.32	1.20	ppb
Silver	109-1	248.48	256.87	260.19	255.18	2.37	ppb
Sodium	23-2	26858.61	27183.82	26759.95	26934.12	0.82	ppb
Strontium	86-1	248.62	252.28	256.32	252.41	1.53	ppb
Strontium	88-1	250.86	254.05	254.78	253.23	0.82	ppb
Sulfur	34-1	4861.61	4918.39	4791.76	4857.25	1.31	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	232.59	242.08	239.45	238.04	2.06	ppb
Thallium	205-1	241.77	248.29	248.67	246.24	1.58	ppb
Tin	118-1	245.11	248.06	250.80	247.99	1.15	ppb
Titanium	47-1	2523.05	2501.38	2474.69	2499.71	0.97	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:49:12	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	244.89	249.47	244.26	246.21	1.15	ppb
Vanadium	51-2	254.62	256.90	253.50	255.01	0.68	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	2569.11	2574.63	2548.00	2563.92	0.55	ppb
Zirconium	90-1	252.21	259.54	248.94	253.57	2.14	ppb
Zirconium	91-1	247.68	255.53	254.05	252.42	1.65	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:52:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10097.23	10376.76	10239.09	10237.69	1.37	ppb
Antimony	121-1	500.45	494.77	496.05	497.09	0.60	ppb
Arsenic	75-2	495.27	500.58	517.48	504.45	2.30	ppb
Barium	135-1	2519.79	2486.85	2523.34	2509.99	0.80	ppb
Barium	137-1	2506.60	2468.72	2476.91	2484.08	0.80	ppb
Beryllium	9-1	490.01	504.88	503.62	499.51	1.65	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	498.06	495.75	498.38	497.39	0.29	ppb
Cadmium	106-1	497.98	500.10	498.86	498.98	0.21	ppb
Cadmium	111-1	498.36	490.64	498.91	495.97	0.93	ppb
Calcium	43-1	50833.48	52561.21	52840.13	52078.27	2.09	ppb
Calcium	44-1	49124.72	50404.42	49403.32	49644.15	1.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	491.81	497.82	501.51	497.05	0.98	ppb
Cobalt	59-2	497.26	524.73	505.98	509.32	2.76	ppb
Copper	63-2	5062.40	5195.47	5042.78	5100.22	1.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	26469.89	26631.21	26802.33	26634.48	0.62	ppb
Iron	57-2	26386.22	26638.74	26431.36	26485.44	0.51	ppb
Iron	54-2	26827.33	26677.46	26377.83	26627.54	0.86	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:52:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2450.23	2460.62	2485.29	2465.38	0.73	ppb
Lead	207-1	2413.76	2440.32	2539.02	2464.37	2.68	ppb
Lead	208-1	2436.83	2472.11	2516.03	2474.99	1.60	ppb
Lithium	6-1				110		%
Magnesium	24-2	51347.77	50929.31	51600.79	51292.62	0.66	ppb
Manganese	55-2	5087.09	5051.43	4976.76	5038.43	1.12	ppb
Molybdenum	94-1	4838.80	4962.11	4899.37	4900.10	1.26	ppb
Molybdenum	95-1	4880.17	4977.35	4969.80	4942.44	1.09	ppb
Molybdenum	96-1	4858.59	4890.18	4949.22	4899.33	0.94	ppb
Molybdenum	97-1	4862.93	4965.02	4921.10	4916.35	1.04	ppb
Molybdenum	98-1	4799.00	4981.86	4984.20	4921.69	2.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.92	512.17	508.26	509.12	0.54	ppb
Phosphorus	31-2	10040.59	10253.49	10023.48	10105.85	1.27	ppb
Potassium	39-2	24617.43	25506.46	25196.20	25106.70	1.80	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	487.91	503.74	501.91	497.85	1.74	ppb
Selenium	77-2	495.57	542.06	523.00	520.21	4.49	ppb
Selenium	78-2	494.89	496.51	508.54	499.98	1.49	ppb
Silicon	28-1	472.45	497.05	498.42	489.31	2.99	ppb
Silver	107-1	498.30	503.79	495.86	499.32	0.81	ppb
Silver	109-1	498.20	493.64	501.15	497.66	0.76	ppb
Sodium	23-2	52187.54	51509.90	51825.00	51840.82	0.65	ppb
Strontium	86-1	480.92	490.35	487.28	486.18	0.99	ppb
Strontium	88-1	481.39	492.20	493.38	488.99	1.35	ppb
Sulfur	34-1	9314.68	10004.18	10067.97	9795.61	4.26	ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	487.93	487.66	499.56	491.72	1.38	ppb
Thallium	205-1	488.82	495.31	493.15	492.43	0.67	ppb
Tin	118-1	496.41	488.08	490.07	491.52	0.88	ppb
Titanium	47-1	4836.75	5015.12	5056.83	4969.56	2.35	ppb

Reviewed By:jaswal
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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:52:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	480.96	493.06	505.96	493.32	2.54	ppb
Vanadium	51-2	497.71	494.81	501.07	497.86	0.63	ppb
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	5121.31	5015.15	5010.14	5048.87	1.24	ppb
Zirconium	90-1	483.57	490.73	497.87	490.72	1.46	ppb
Zirconium	91-1	486.12	493.26	491.55	490.31	0.76	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:54:49	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20043.71	19852.75	20570.37	20155.61	1.84	ppb
Antimony	121-1	982.33	1011.63	1006.69	1000.22	1.57	ppb
Arsenic	75-2	1000.18	977.88	1006.82	994.96	1.52	ppb
Barium	135-1	4967.70	4935.53	5072.61	4991.95	1.44	ppb
Barium	137-1	5070.60	4928.79	4990.54	4996.64	1.42	ppb
Beryllium	9-1	977.83	1014.71	1000.12	997.55	1.86	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	995.26	1001.30	996.06	997.54	0.33	ppb
Cadmium	106-1	999.56	994.81	995.73	996.70	0.25	ppb
Cadmium	111-1	992.19	999.45	1002.98	998.21	0.55	ppb
Calcium	43-1	99478.49	99146.81	106685.67	101770.32	4.19	ppb
Calcium	44-1	100349.11	101462.80	104812.45	102208.12	2.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	991.97	1001.53	1003.44	998.98	0.62	ppb
Cobalt	59-2	1000.35	979.23	999.54	993.04	1.21	ppb
Copper	63-2	10078.42	9756.02	9922.53	9918.99	1.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				101		%
Indium	115-2				103		%
Iron	56-2	52716.36	52378.33	52766.45	52620.38	0.40	ppb
Iron	57-2	51973.90	50916.94	51039.14	51310.00	1.13	ppb
Iron	54-2	52466.68	52119.72	53134.49	52573.63	0.98	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:54:49	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4898.18	5071.48	5100.27	5023.31	2.18	ppb
Lead	207-1	5069.45	5014.88	4992.30	5025.54	0.79	ppb
Lead	208-1	5008.94	5059.51	4978.50	5015.65	0.82	ppb
Lithium	6-1				108		%
Magnesium	24-2	100831.04	98622.50	99706.04	99719.86	1.11	ppb
Manganese	55-2	10031.17	9855.88	9990.19	9959.08	0.92	ppb
Molybdenum	94-1	9922.79	10310.95	9888.71	10040.82	2.34	ppb
Molybdenum	95-1	9989.81	10196.70	9865.03	10017.18	1.67	ppb
Molybdenum	96-1	10022.89	10232.54	9856.77	10037.40	1.88	ppb
Molybdenum	97-1	9774.23	10227.49	10074.42	10025.38	2.30	ppb
Molybdenum	98-1	9948.40	10172.23	9957.49	10026.04	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	994.13	987.65	993.49	991.76	0.36	ppb
Phosphorus	31-2	19881.43	19836.82	19989.38	19902.54	0.39	ppb
Potassium	39-2	50156.34	49402.56	50647.83	50068.91	1.25	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	991.89	1017.33	983.32	997.51	1.77	ppb
Selenium	77-2	995.96	962.03	994.22	984.07	1.94	ppb
Selenium	78-2	1008.26	972.03	1006.53	995.61	2.05	ppb
Silicon	28-1	1009.27	978.79	1029.97	1006.01	2.56	ppb
Silver	107-1	995.96	1005.99	992.42	998.12	0.70	ppb
Silver	109-1	1015.00	994.14	986.40	998.51	1.48	ppb
Sodium	23-2	103570.88	103109.21	104812.50	103830.86	0.85	ppb
Strontium	86-1	999.02	1022.23	995.76	1005.67	1.44	ppb
Strontium	88-1	1000.61	1011.55	999.48	1003.88	0.66	ppb
Sulfur	34-1	19762.35	19759.79	20849.55	20123.90	3.12	ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	993.03	1001.97	1028.59	1007.86	1.84	ppb
Thallium	205-1	992.55	1006.67	1018.09	1005.77	1.27	ppb
Tin	118-1	1002.52	1013.52	996.04	1004.03	0.88	ppb
Titanium	47-1	9848.87	9960.83	10221.91	10010.53	1.91	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:54:49	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	970.92	1032.44	1011.89	1005.08	3.12	ppb
Vanadium	51-2	1014.04	979.43	1003.92	999.13	1.78	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	9988.94	9982.62	9870.35	9947.30	0.67	ppb
Zirconium	90-1	990.85	1026.84	991.69	1003.13	2.05	ppb
Zirconium	91-1	1007.08	1017.64	986.39	1003.70	1.58	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:57:37	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	102257.22	98549.89	98996.10	99934.40	2.03	ppb
Antimony	121-1	0.79	0.86	0.84	0.83	4.28	ppb
Arsenic	75-2	0.94	1.17	1.00	1.04	11.46	ppb
Barium	135-1	3.09	3.14	3.23	3.15	2.34	ppb
Barium	137-1	2.97	3.08	3.05	3.03	1.88	ppb
Beryllium	9-1	0.17	0.17	0.17	0.17	1.27	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.85	0.91	0.78	0.85	7.52	ppb
Cadmium	106-1	-0.24	0.38	-0.88	-0.25		ppb
Cadmium	111-1	0.46	0.53	0.42	0.47	11.26	ppb
Calcium	43-1	498802.09	507212.10	491986.32	499333.51	1.53	ppb
Calcium	44-1	496229.96	506535.21	495927.84	499564.33	1.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.16	4.16	4.00	4.11	2.21	ppb
Cobalt	59-2	1.74	1.77	1.76	1.76	0.63	ppb
Copper	63-2	0.85	0.79	0.77	0.80	5.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				108		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	249566.67	249400.72	248754.14	249240.51	0.17	ppb
Iron	57-2	253105.19	246577.68	248795.12	249492.66	1.33	ppb
Iron	54-2	253456.24	247567.23	246711.60	249245.02	1.47	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:57:37	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.32	1.35	1.29	1.32	2.15	ppb
Lead	207-1	1.29	1.36	1.26	1.30	4.09	ppb
Lead	208-1	1.29	1.35	1.27	1.31	3.15	ppb
Lithium	6-1				107		%
Magnesium	24-2	504272.23	499365.88	495931.52	499856.54	0.84	ppb
Manganese	55-2	4.21	4.09	4.14	4.15	1.47	ppb
Molybdenum	94-1	2.97	2.93	2.84	2.91	2.36	ppb
Molybdenum	95-1	1.78	1.61	1.56	1.65	7.08	ppb
Molybdenum	96-1	3.38	3.13	2.94	3.15	7.05	ppb
Molybdenum	97-1	1.72	1.69	1.63	1.68	2.61	ppb
Molybdenum	98-1	1.67	1.63	1.53	1.61	4.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.47	3.39	3.31	3.39	2.48	ppb
Phosphorus	31-2	-23.82	-25.95	-17.02	-22.26		ppb
Potassium	39-2	253641.38	243780.71	252414.31	249945.46	2.15	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				107		%
Selenium	82-1	1.09	1.20	1.36	1.22	11.24	ppb
Selenium	77-2	1.02	1.47	1.22	1.24	18.44	ppb
Selenium	78-2	0.73	-0.62	0.72	0.28	281.78	ppb
Silicon	28-1	1.24	1.71	0.96	1.30	29.14	ppb
Silver	107-1	0.38	0.22	0.16	0.25	44.73	ppb
Silver	109-1	0.42	0.21	0.19	0.27	47.78	ppb
Sodium	23-2	496125.17	494297.08	506363.68	498928.64	1.30	ppb
Strontium	86-1	12.68	12.79	12.29	12.59	2.10	ppb
Strontium	88-1	12.77	12.81	12.69	12.76	0.46	ppb
Sulfur	34-1	-547.99	-459.18	-663.20	-556.79		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	1.44	1.43	1.42	1.43	0.88	ppb
Thallium	205-1	1.38	1.40	1.36	1.38	1.63	ppb
Tin	118-1	0.16	0.21	0.20	0.19	15.20	ppb
Titanium	47-1	0.81	0.72	0.74	0.76	6.27	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:57:37	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.03	0.03	0.04	39.09	ppb
Vanadium	51-2	0.43	0.42	0.42	0.42	1.03	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	4.78	4.33	5.02	4.71	7.40	ppb
Zirconium	90-1	0.86	0.86	0.86	0.86	0.10	ppb
Zirconium	91-1	0.88	0.88	0.81	0.86	4.80	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:15:02	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1531.82	1523.72	1523.35	1526.30	0.31	ppb
Antimony	121-1	405.34	414.22	410.98	410.18	1.10	ppb
Arsenic	75-2	411.16	395.59	405.47	404.07	1.95	ppb
Barium	135-1	1624.50	1661.07	1599.16	1628.24	1.91	ppb
Barium	137-1	1588.82	1612.52	1603.96	1601.77	0.75	ppb
Beryllium	9-1	39.24	41.21	40.61	40.35	2.51	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	225.67	235.38	226.71	229.25	2.33	ppb
Cadmium	106-1	226.62	229.60	224.12	226.78	1.21	ppb
Cadmium	111-1	205.57	210.43	204.94	206.98	1.45	ppb
Calcium	43-1	4345.55	4412.82	4444.94	4401.10	1.15	ppb
Calcium	44-1	4209.22	4214.87	4242.50	4222.20	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	160.94	160.15	161.83	160.97	0.52	ppb
Cobalt	59-2	393.64	405.98	401.07	400.23	1.55	ppb
Copper	63-2	188.29	184.46	187.86	186.87	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				99		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	805.43	784.20	826.01	805.22	2.60	ppb
Iron	57-2	860.45	848.88	858.65	855.99	0.73	ppb
Iron	54-2	955.93	935.96	962.16	951.35	1.44	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:15:02	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	360.08	359.03	376.95	365.36	2.75	ppb
Lead	207-1	357.96	352.56	367.80	359.44	2.15	ppb
Lead	208-1	367.68	366.13	380.07	371.29	2.06	ppb
Lithium	6-1				105		%
Magnesium	24-2	3713.34	3685.74	3719.19	3706.09	0.48	ppb
Manganese	55-2	371.28	364.26	371.44	368.99	1.11	ppb
Molybdenum	94-1	4785.16	4809.01	4794.64	4796.27	0.25	ppb
Molybdenum	95-1	4752.36	4893.17	4922.50	4856.01	1.87	ppb
Molybdenum	96-1	4745.81	4911.25	4937.84	4864.96	2.14	ppb
Molybdenum	97-1	4832.41	4833.32	4883.06	4849.60	0.60	ppb
Molybdenum	98-1	4782.28	4861.19	4875.33	4839.60	1.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	409.65	408.21	409.29	409.05	0.18	ppb
Phosphorus	31-2	-22.28	-19.97	-24.55	-22.27		ppb
Potassium	39-2	3923.80	3881.25	3889.41	3898.15	0.58	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	399.83	401.78	408.98	403.53	1.19	ppb
Selenium	77-2	404.09	404.81	419.10	409.33	2.07	ppb
Selenium	78-2	423.77	408.92	418.73	417.14	1.81	ppb
Silicon	28-1	102.46	100.98	102.49	101.98	0.85	ppb
Silver	107-1	207.00	212.12	208.28	209.13	1.27	ppb
Silver	109-1	203.76	208.18	205.37	205.77	1.09	ppb
Sodium	23-2	4051.88	3985.52	3998.32	4011.91	0.88	ppb
Strontium	86-1	459.40	469.07	471.14	466.54	1.34	ppb
Strontium	88-1	463.33	468.08	465.33	465.58	0.51	ppb
Sulfur	34-1	-823.95	-1108.05	-1099.17	-1010.39		ppb
Terbium	159-1				98		%
Terbium	159-2				98		%
Thallium	203-1	359.27	355.75	366.38	360.47	1.50	ppb
Thallium	205-1	375.01	372.78	385.19	377.66	1.75	ppb
Tin	118-1	476.45	505.00	476.18	485.88	3.41	ppb
Titanium	47-1	4824.73	4749.68	4776.23	4783.55	0.80	ppb

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:15:02	DataFile Name :	015ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	464.21	470.07	481.83	472.04	1.90	ppb
Vanadium	51-2	397.58	389.99	400.96	396.17	1.42	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	376.51	374.33	375.92	375.59	0.30	ppb
Zirconium	90-1	476.45	473.90	474.34	474.90	0.29	ppb
Zirconium	91-1	472.80	478.17	475.15	475.38	0.57	ppb

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:26:29	DataFile Name :	018LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.41	19.47	18.90	19.26	1.62	ppb
Antimony	121-1	2.03	2.11	2.15	2.10	2.96	ppb
Arsenic	75-2	0.93	1.03	1.01	0.99	5.29	ppb
Barium	135-1	9.62	9.93	9.76	9.77	1.57	ppb
Barium	137-1	9.47	9.80	10.23	9.84	3.86	ppb
Beryllium	9-1	1.13	1.12	1.02	1.09	5.59	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.23	1.13	1.60	1.32	18.63	ppb
Cadmium	106-1	-2.69	-0.36	-2.12	-1.72		ppb
Cadmium	111-1	0.90	1.13	1.10	1.05	11.83	ppb
Calcium	43-1	514.39	525.64	540.35	526.79	2.47	ppb
Calcium	44-1	498.81	531.56	517.79	516.06	3.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.98	1.87	2.03	1.96	4.20	ppb
Cobalt	59-2	1.11	1.06	1.02	1.06	4.71	ppb
Copper	63-2	2.01	2.13	1.87	2.00	6.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	53.45	53.92	53.39	53.59	0.55	ppb
Iron	57-2	49.28	58.67	53.37	53.77	8.75	ppb
Iron	54-2	53.13	53.99	52.93	53.35	1.06	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:26:29	DataFile Name :	018LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.85	0.78	0.80	0.81	4.33	ppb
Lead	207-1	0.80	0.80	0.86	0.82	4.31	ppb
Lead	208-1	0.82	0.82	0.82	0.82	0.04	ppb
Lithium	6-1				103		%
Magnesium	24-2	498.00	502.86	490.04	496.96	1.30	ppb
Manganese	55-2	1.07	0.99	1.01	1.02	3.93	ppb
Molybdenum	94-1	5.69	5.95	5.83	5.82	2.24	ppb
Molybdenum	95-1	4.90	5.11	5.00	5.00	2.10	ppb
Molybdenum	96-1	5.02	5.24	5.09	5.12	2.19	ppb
Molybdenum	97-1	4.88	5.24	5.19	5.10	3.83	ppb
Molybdenum	98-1	4.86	5.05	4.81	4.91	2.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.08	0.88	1.02	0.99	10.44	ppb
Phosphorus	31-2	211.44	216.13	211.68	213.08	1.24	ppb
Potassium	39-2	501.29	512.64	497.92	503.95	1.53	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	4.55	5.86	5.94	5.45	14.38	ppb
Selenium	77-2	6.85	5.05	3.78	5.23	29.55	ppb
Selenium	78-2	3.61	2.53	4.66	3.60	29.63	ppb
Silicon	28-1	-2.23	-0.19	-1.34	-1.25		ppb
Silver	107-1	1.03	1.12	1.12	1.09	4.93	ppb
Silver	109-1	1.03	1.11	1.10	1.08	3.96	ppb
Sodium	23-2	512.27	519.68	498.73	510.23	2.08	ppb
Strontium	86-1	0.90	1.04	0.95	0.96	7.43	ppb
Strontium	88-1	0.97	0.99	0.98	0.98	0.82	ppb
Sulfur	34-1	-534.46	-190.46	-276.10	-333.67		ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.98	0.95	0.96	0.96	1.71	ppb
Thallium	205-1	0.96	0.97	0.95	0.96	1.07	ppb
Tin	118-1	4.77	5.45	5.36	5.19	7.04	ppb
Titanium	47-1	5.17	5.49	4.99	5.22	4.83	ppb

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:26:29	DataFile Name :	018LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.91	0.85	0.89	0.88	3.75	ppb
Vanadium	51-2	5.00	5.01	4.93	4.98	0.84	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	5.75	5.07	5.47	5.43	6.36	ppb
Zirconium	90-1	0.98	1.02	1.05	1.02	3.66	ppb
Zirconium	91-1	1.00	1.06	1.01	1.02	3.28	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:29:44	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.35	-0.61	-0.37	-0.21		ppb
Antimony	121-1	0.01	0.00	0.02	0.01	57.24	ppb
Arsenic	75-2	-0.01	-0.02	0.02	0.00	9371.88	ppb
Barium	135-1	0.02	-0.02	-0.01	0.00		ppb
Barium	137-1	0.02	0.00	0.01	0.01	136.00	ppb
Beryllium	9-1	0.02	0.00	-0.01	0.01	261.67	ppb
Bismuth	209-1				102		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.05	0.03	0.16	0.05	222.16	ppb
Cadmium	106-1	-2.82	-1.99	-2.43	-2.41		ppb
Cadmium	111-1	-0.18	-0.14	-0.17	-0.16		ppb
Calcium	43-1	-3.05	-1.87	-4.89	-3.27		ppb
Calcium	44-1	-11.85	-12.98	-13.65	-12.83		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.05	-0.01	0.00	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	112.19	ppb
Copper	63-2	0.01	-0.05	-0.03	-0.02		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	-0.02	-0.37	-0.19	-0.19		ppb
Iron	57-2	-1.06	-1.47	-1.13	-1.22		ppb
Iron	54-2	-0.54	-1.15	-1.66	-1.12		ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:29:44	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.03	0.02	0.03	35.08	ppb
Lead	207-1	0.05	0.03	0.03	0.03	30.73	ppb
Lead	208-1	0.03	0.03	0.02	0.02	29.57	ppb
Lithium	6-1				103		%
Magnesium	24-2	0.64	0.20	0.34	0.39	57.28	ppb
Manganese	55-2	0.03	0.01	-0.02	0.01	414.78	ppb
Molybdenum	94-1	0.00	-0.02	0.01	0.00	15632.16	ppb
Molybdenum	95-1	0.01	0.01	0.01	0.01	14.28	ppb
Molybdenum	96-1	0.02	0.00	0.00	0.01	124.13	ppb
Molybdenum	97-1	0.00	0.02	-0.01	0.00	685.48	ppb
Molybdenum	98-1	0.01	0.02	0.01	0.01	48.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	-0.04	0.03	0.01	332.73	ppb
Phosphorus	31-2	-28.61	-29.09	-28.44	-28.71		ppb
Potassium	39-2	-8.06	-9.19	-5.57	-7.61		ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	-0.58	-0.10	-0.04	-0.24		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	-0.87	-0.47	0.01	-0.45		ppb
Silicon	28-1	-3.89	-2.50	-2.93	-3.11		ppb
Silver	107-1	0.02	0.01	0.01	0.01	33.64	ppb
Silver	109-1	0.02	0.01	0.02	0.02	18.20	ppb
Sodium	23-2	8.67	9.63	9.58	9.29	5.80	ppb
Strontium	86-1	-0.04	0.03	0.01	0.00	8743.01	ppb
Strontium	88-1	0.00	0.01	0.00	0.00	141.13	ppb
Sulfur	34-1	-735.80	-641.72	-674.49	-684.00		ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	-0.01	0.00	-0.01	0.00		ppb
Thallium	205-1	0.00	0.01	0.01	0.01	48.73	ppb
Tin	118-1	0.00	0.00	0.00	0.00		ppb
Titanium	47-1	-0.02	-0.01	0.04	0.00	849.26	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:29:44	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	0.00	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.03	0.50	0.37	0.30	80.98	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	-0.01	0.01	-0.02	-0.01		ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:33:02	DataFile Name :	020ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94014.56	93821.20	93123.78	93653.18	0.50	ppb
Antimony	121-1	1.03	1.13	1.13	1.09	5.38	ppb
Arsenic	75-2	0.31	0.30	0.24	0.28	14.36	ppb
Barium	135-1	1.24	1.52	1.26	1.34	11.65	ppb
Barium	137-1	1.44	1.40	1.41	1.42	1.66	ppb
Beryllium	9-1	0.32	0.21	0.29	0.27	22.11	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.45	7.56	6.54	7.18	7.79	ppb
Cadmium	106-1	-4.43	-2.24	-4.02	-3.56		ppb
Cadmium	111-1	-0.07	0.02	-0.06	-0.04		ppb
Calcium	43-1	98534.77	101338.18	98084.21	99319.05	1.78	ppb
Calcium	44-1	98700.45	101728.12	100116.29	100181.62	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.14	20.32	19.97	20.14	0.88	ppb
Cobalt	59-2	1.27	1.34	1.29	1.30	2.72	ppb
Copper	63-2	7.36	7.44	7.33	7.38	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	100545.99	101628.05	103178.88	101784.31	1.30	ppb
Iron	57-2	101979.88	99123.48	99359.78	100154.38	1.58	ppb
Iron	54-2	101062.98	101468.64	102952.73	101828.12	0.98	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:33:02	DataFile Name :	020ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.36	4.61	4.55	4.51	2.92	ppb
Lead	207-1	3.98	4.17	4.27	4.14	3.48	ppb
Lead	208-1	4.13	4.34	4.33	4.27	2.70	ppb
Lithium	6-1				104		%
Magnesium	24-2	94762.87	95285.97	97974.02	96007.62	1.79	ppb
Manganese	55-2	6.99	7.29	7.40	7.22	2.90	ppb
Molybdenum	94-1	1560.78	1602.57	1542.70	1568.68	1.96	ppb
Molybdenum	95-1	1895.67	2002.67	1931.57	1943.30	2.80	ppb
Molybdenum	96-1	1877.14	1940.92	1895.20	1904.42	1.73	ppb
Molybdenum	97-1	1900.98	1988.12	1939.53	1942.88	2.25	ppb
Molybdenum	98-1	1905.43	1953.39	1903.13	1920.65	1.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.48	5.63	5.37	5.50	2.33	ppb
Phosphorus	31-2	99624.59	99588.53	100754.92	99989.35	0.66	ppb
Potassium	39-2	100018.37	100267.25	101371.22	100552.28	0.72	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	0.01	-0.79	0.92	0.05	1833.77	ppb
Selenium	77-2	0.31	-0.16	0.07	0.07	318.38	ppb
Selenium	78-2	0.23	-0.57	-1.98	-0.77		ppb
Silicon	28-1	-0.93	2.63	0.46	0.72	249.98	ppb
Silver	107-1	0.06	0.04	0.04	0.05	16.57	ppb
Silver	109-1	0.06	0.06	0.05	0.06	13.23	ppb
Sodium	23-2	105186.00	105927.11	103840.86	104984.65	1.01	ppb
Strontium	86-1	30.59	31.47	32.02	31.36	2.31	ppb
Strontium	88-1	31.79	32.73	32.29	32.27	1.46	ppb
Sulfur	34-1	107352.27	109091.56	109826.42	108756.75	1.17	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.03	0.04	0.03	45.44	ppb
Thallium	205-1	0.03	0.04	0.04	0.04	14.75	ppb
Tin	118-1	0.32	0.51	0.48	0.44	23.32	ppb
Titanium	47-1	1976.59	2041.11	2015.85	2011.18	1.62	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:33:02	DataFile Name :	020ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.01	0.02	36.98	ppb
Vanadium	51-2	0.20	0.19	0.19	0.19	4.97	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	9.85	10.02	9.26	9.71	4.08	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	19.04	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	10.28	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:36:05	DataFile Name :	021ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94134.17	92590.45	92690.83	93138.49	0.93	ppb
Antimony	121-1	21.01	21.97	21.26	21.41	2.32	ppb
Arsenic	75-2	19.96	20.22	20.64	20.27	1.68	ppb
Barium	135-1	21.71	22.09	22.12	21.97	1.05	ppb
Barium	137-1	21.68	22.04	21.80	21.84	0.85	ppb
Beryllium	9-1	20.26	21.13	21.04	20.81	2.30	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.59	28.27	27.37	27.41	3.07	ppb
Cadmium	106-1	18.84	20.77	19.38	19.67	5.07	ppb
Cadmium	111-1	20.36	20.85	20.79	20.67	1.27	ppb
Calcium	43-1	95596.48	102607.08	99921.54	99375.03	3.56	ppb
Calcium	44-1	97216.96	101327.16	100513.95	99686.02	2.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.68	39.61	40.23	40.17	1.34	ppb
Cobalt	59-2	22.00	21.57	21.23	21.60	1.80	ppb
Copper	63-2	26.91	25.90	26.58	26.47	1.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	102285.97	100704.60	102591.92	101860.83	0.99	ppb
Iron	57-2	102753.24	98496.21	100750.26	100666.57	2.12	ppb
Iron	54-2	102719.43	100682.11	100544.58	101315.37	1.20	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:36:05	DataFile Name :	021ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.01	24.06	24.90	24.32	2.05	ppb
Lead	207-1	22.36	22.42	23.59	22.79	3.04	ppb
Lead	208-1	22.89	23.09	23.99	23.32	2.53	ppb
Lithium	6-1				102		%
Magnesium	24-2	96931.32	91942.34	92164.25	93679.30	3.01	ppb
Manganese	55-2	26.28	25.37	25.48	25.71	1.93	ppb
Molybdenum	94-1	1743.65	1756.28	1698.17	1732.70	1.76	ppb
Molybdenum	95-1	1999.30	2028.25	2009.35	2012.30	0.73	ppb
Molybdenum	96-1	1966.75	2007.03	1995.68	1989.82	1.04	ppb
Molybdenum	97-1	1986.25	2061.47	1985.53	2011.08	2.17	ppb
Molybdenum	98-1	2014.31	2059.65	1990.22	2021.39	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.59	25.56	25.78	25.98	2.10	ppb
Phosphorus	31-2	100353.29	97620.47	99564.03	99179.26	1.42	ppb
Potassium	39-2	102513.05	99396.66	102364.82	101424.84	1.73	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				104		%
Selenium	82-1	18.96	20.98	20.12	20.02	5.06	ppb
Selenium	77-2	23.50	16.16	17.86	19.18	20.04	ppb
Selenium	78-2	16.14	16.56	23.23	18.64	21.33	ppb
Silicon	28-1	24.77	26.64	25.36	25.59	3.73	ppb
Silver	107-1	19.88	20.59	20.22	20.23	1.74	ppb
Silver	109-1	19.50	20.06	19.68	19.75	1.47	ppb
Sodium	23-2	104600.15	102766.90	104218.26	103861.77	0.93	ppb
Strontium	86-1	80.47	82.84	80.05	81.12	1.86	ppb
Strontium	88-1	81.20	81.71	81.63	81.51	0.33	ppb
Sulfur	34-1	101532.16	105877.30	105825.83	104411.76	2.39	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	19.74	19.94	20.61	20.10	2.27	ppb
Thallium	205-1	19.48	19.31	20.46	19.75	3.14	ppb
Tin	118-1	48.84	50.62	49.45	49.64	1.82	ppb
Titanium	47-1	1973.18	2077.82	2055.43	2035.48	2.71	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:36:05	DataFile Name :	021ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	44.78	44.88	46.31	45.32	1.89	ppb
Vanadium	51-2	20.61	19.62	19.90	20.04	2.53	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	30.37	27.88	28.80	29.02	4.34	ppb
Zirconium	90-1	48.58	50.18	48.72	49.16	1.80	ppb
Zirconium	91-1	49.19	50.54	48.90	49.54	1.77	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:39:18	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47471.95	44949.42	46503.19	46308.19	2.75	ppb
Antimony	121-1	509.23	530.75	525.25	521.74	2.14	ppb
Arsenic	75-2	496.32	495.87	507.37	499.85	1.30	ppb
Barium	135-1	2573.99	2651.68	2682.67	2636.11	2.12	ppb
Barium	137-1	2644.00	2715.62	2601.39	2653.67	2.18	ppb
Beryllium	9-1	502.44	525.94	535.55	521.31	3.27	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	509.66	530.60	513.27	517.84	2.16	ppb
Cadmium	106-1	505.16	519.29	504.32	509.59	1.65	ppb
Cadmium	111-1	503.19	518.43	514.01	511.88	1.53	ppb
Calcium	43-1	238990.40	256633.15	246012.67	247212.07	3.59	ppb
Calcium	44-1	241546.81	257057.38	248846.44	249150.21	3.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	525.21	499.07	509.96	511.41	2.57	ppb
Cobalt	59-2	513.11	503.93	498.29	505.11	1.48	ppb
Copper	63-2	5059.20	4917.23	4998.78	4991.74	1.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				104		%
Indium	115-2				108		%
Iron	56-2	125622.67	120864.44	121410.17	122632.43	2.12	ppb
Iron	57-2	123714.54	121082.24	120228.42	121675.06	1.49	ppb
Iron	54-2	125439.28	119834.61	120614.21	121962.70	2.49	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:39:18	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2519.46	2675.87	2646.90	2614.08	3.18	ppb
Lead	207-1	2495.78	2658.90	2587.35	2580.68	3.17	ppb
Lead	208-1	2507.69	2675.55	2576.24	2586.49	3.26	ppb
Lithium	6-1				104		%
Magnesium	24-2	254703.82	239936.20	247151.86	247263.96	2.99	ppb
Manganese	55-2	5149.28	4971.19	5088.32	5069.60	1.79	ppb
Molybdenum	94-1	5027.12	5199.93	5210.30	5145.78	2.00	ppb
Molybdenum	95-1	5102.66	5253.66	5186.69	5181.00	1.46	ppb
Molybdenum	96-1	5019.94	5348.60	5177.02	5181.85	3.17	ppb
Molybdenum	97-1	4988.01	5349.15	5226.96	5188.04	3.54	ppb
Molybdenum	98-1	5084.61	5207.00	5214.25	5168.62	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	500.17	490.57	493.21	494.65	1.00	ppb
Phosphorus	31-2	10159.62	9877.24	10022.19	10019.68	1.41	ppb
Potassium	39-2	124944.66	119204.57	121721.82	121957.01	2.36	ppb
Rhodium	103-1				101		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				111		%
Selenium	82-1	475.71	499.93	492.06	489.23	2.53	ppb
Selenium	77-2	473.04	488.01	470.90	477.32	1.95	ppb
Selenium	78-2	481.20	476.65	500.30	486.05	2.58	ppb
Silicon	28-1	530.40	572.09	549.41	550.63	3.79	ppb
Silver	107-1	519.85	520.70	512.19	517.58	0.91	ppb
Silver	109-1	511.35	515.72	500.37	509.15	1.55	ppb
Sodium	23-2	259305.74	246505.42	246608.41	250806.52	2.93	ppb
Strontium	86-1	499.13	519.37	516.20	511.57	2.13	ppb
Strontium	88-1	515.29	528.35	524.42	522.68	1.28	ppb
Sulfur	34-1	8779.44	9985.36	9546.17	9436.99	6.47	ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	508.67	529.06	527.21	521.64	2.16	ppb
Thallium	205-1	492.18	534.68	532.62	519.83	4.61	ppb
Tin	118-1	519.06	529.72	506.16	518.31	2.28	ppb
Titanium	47-1	5085.00	5314.11	5137.84	5178.98	2.32	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:39:18	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	498.33	533.97	517.25	516.52	3.45	ppb
Vanadium	51-2	518.70	505.80	504.88	509.79	1.52	ppb
Yttrium	89-1				107		%
Yttrium	89-2				111		%
Zinc	66-2	4879.30	4769.44	4810.03	4819.59	1.15	ppb
Zirconium	90-1	505.88	529.91	520.98	518.92	2.34	ppb
Zirconium	91-1	504.18	523.46	518.24	515.29	1.93	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:44:49	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.27	-0.28	-1.11	-0.37		ppb
Antimony	121-1	0.06	0.07	0.06	0.06	12.11	ppb
Arsenic	75-2	-0.02	-0.02	0.01	-0.01		ppb
Barium	135-1	0.04	-0.01	-0.02	0.01	532.03	ppb
Barium	137-1	0.01	0.01	0.00	0.01	63.30	ppb
Beryllium	9-1	0.02	0.02	0.01	0.02	37.38	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.05	0.06	0.01	524.06	ppb
Cadmium	106-1	-4.38	-3.62	-2.77	-3.59		ppb
Cadmium	111-1	-0.29	-0.23	-0.19	-0.24		ppb
Calcium	43-1	2.21	-2.33	-4.41	-1.51		ppb
Calcium	44-1	-14.20	-11.17	-9.82	-11.73		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.01	-0.03	-0.03		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	113.17	ppb
Copper	63-2	0.09	0.10	0.05	0.08	34.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	56-2	0.64	0.75	0.73	0.71	8.02	ppb
Iron	57-2	-0.10	-0.25	-2.19	-0.84		ppb
Iron	54-2	-2.18	-1.51	-1.02	-1.57		ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:44:49	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.05	0.05	0.06	18.08	ppb
Lead	207-1	0.09	0.03	0.05	0.05	53.95	ppb
Lead	208-1	0.06	0.05	0.05	0.05	11.50	ppb
Lithium	6-1				99		%
Magnesium	24-2	1.27	0.85	1.06	1.06	20.11	ppb
Manganese	55-2	0.03	0.06	0.02	0.04	50.99	ppb
Molybdenum	94-1	0.05	0.07	0.09	0.07	26.74	ppb
Molybdenum	95-1	0.07	0.08	0.06	0.07	20.14	ppb
Molybdenum	96-1	0.07	0.06	0.06	0.06	12.12	ppb
Molybdenum	97-1	0.06	0.03	0.06	0.05	32.36	ppb
Molybdenum	98-1	0.06	0.06	0.04	0.05	22.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.01	0.12	0.03	227.07	ppb
Phosphorus	31-2	-36.31	-18.63	-24.09	-26.34		ppb
Potassium	39-2	7.89	7.51	8.20	7.86	4.39	ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	-0.66	-0.59	-0.31	-0.52		ppb
Selenium	77-2	0.32	-0.16	-0.16	0.00		ppb
Selenium	78-2	2.33	-1.28	-1.71	-0.22		ppb
Silicon	28-1	-3.63	-1.89	-2.43	-2.65		ppb
Silver	107-1	0.03	0.03	0.03	0.03	12.94	ppb
Silver	109-1	0.03	0.02	0.03	0.03	17.16	ppb
Sodium	23-2	37.42	37.69	36.09	37.07	2.32	ppb
Strontium	86-1	-0.04	0.01	0.00	-0.01		ppb
Strontium	88-1	0.01	0.00	0.00	0.00	124.05	ppb
Sulfur	34-1	-867.05	-705.32	-622.54	-731.64		ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.06	0.03	0.04	0.04	32.07	ppb
Thallium	205-1	0.05	0.04	0.04	0.04	12.30	ppb
Tin	118-1	0.02	0.05	0.01	0.03	73.08	ppb
Titanium	47-1	-0.02	0.03	-0.01	0.00		ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:44:49	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.01	0.00	-0.01		ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	-0.02	0.25	0.19	0.14	103.67	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	36.15	ppb
Zirconium	91-1	0.03	0.01	0.04	0.03	67.03	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:48:04	DataFile Name :	024LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.60	20.38	18.71	20.23	7.17	ppb
Antimony	121-1	2.09	2.17	2.21	2.16	2.80	ppb
Arsenic	75-2	1.04	0.99	1.11	1.05	6.08	ppb
Barium	135-1	10.64	10.74	10.66	10.68	0.51	ppb
Barium	137-1	10.80	10.80	10.53	10.71	1.45	ppb
Beryllium	9-1	1.20	1.18	1.17	1.18	1.29	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.85	1.30	1.09	1.08	20.63	ppb
Cadmium	106-1	0.03	-2.16	-2.31	-1.48		ppb
Cadmium	111-1	0.99	0.98	0.98	0.98	0.86	ppb
Calcium	43-1	539.16	568.15	541.39	549.57	2.93	ppb
Calcium	44-1	547.51	556.13	561.81	555.15	1.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.14	2.23	2.03	2.13	4.73	ppb
Cobalt	59-2	1.15	1.20	1.15	1.16	2.45	ppb
Copper	63-2	2.20	2.15	1.98	2.11	5.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	58.64	59.47	57.25	58.45	1.92	ppb
Iron	57-2	59.08	60.50	57.39	58.99	2.64	ppb
Iron	54-2	56.84	59.14	56.21	57.40	2.68	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:48:04	DataFile Name :	024LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.02	1.04	0.97	1.01	3.22	ppb
Lead	207-1	0.98	0.99	1.07	1.01	4.72	ppb
Lead	208-1	1.02	1.03	1.04	1.03	0.80	ppb
Lithium	6-1				99		%
Magnesium	24-2	528.18	527.78	516.37	524.11	1.28	ppb
Manganese	55-2	0.96	1.07	1.01	1.01	5.21	ppb
Molybdenum	94-1	6.20	6.08	6.03	6.10	1.50	ppb
Molybdenum	95-1	5.27	5.08	5.16	5.17	1.92	ppb
Molybdenum	96-1	5.53	5.46	5.36	5.45	1.53	ppb
Molybdenum	97-1	5.31	5.22	5.37	5.30	1.46	ppb
Molybdenum	98-1	5.31	5.16	5.25	5.24	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.27	1.15	1.15	1.19	6.00	ppb
Phosphorus	31-2	-5.16	-10.63	-0.17	-5.32		ppb
Potassium	39-2	560.97	566.62	556.22	561.27	0.93	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	5.40	5.85	5.96	5.74	5.22	ppb
Selenium	77-2	7.51	6.93	6.79	7.08	5.44	ppb
Selenium	78-2	5.16	6.20	3.53	4.96	27.05	ppb
Silicon	28-1	-2.63	-1.47	15.13	3.68	270.39	ppb
Silver	107-1	1.09	1.14	1.08	1.10	2.69	ppb
Silver	109-1	1.08	1.11	1.08	1.09	1.38	ppb
Sodium	23-2	560.65	561.20	553.38	558.41	0.78	ppb
Strontium	86-1	0.99	0.98	1.05	1.01	4.03	ppb
Strontium	88-1	1.03	1.01	1.04	1.03	1.58	ppb
Sulfur	34-1	-584.03	-480.76	-358.93	-474.58		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	1.04	1.02	1.02	1.03	1.25	ppb
Thallium	205-1	1.02	1.01	0.98	1.00	2.40	ppb
Tin	118-1	5.37	5.51	5.36	5.41	1.49	ppb
Titanium	47-1	5.11	5.18	5.25	5.18	1.40	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:48:04	DataFile Name :	024LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.94	0.91	0.93	0.93	1.93	ppb
Vanadium	51-2	5.27	5.54	5.42	5.41	2.51	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	5.36	5.37	5.74	5.49	3.89	ppb
Zirconium	90-1	1.01	0.99	0.99	0.99	1.30	ppb
Zirconium	91-1	1.01	0.98	1.01	1.00	1.87	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:58:57	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.19	7.46	7.06	6.90	9.42	ppb
Antimony	121-1	0.43	0.43	0.41	0.42	2.18	ppb
Arsenic	75-2	0.60	0.46	0.45	0.50	15.63	ppb
Barium	135-1	2.08	1.98	1.94	2.00	3.56	ppb
Barium	137-1	1.97	2.01	1.99	1.99	1.13	ppb
Beryllium	9-1	0.35	0.55	0.48	0.46	21.86	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.33	0.30	0.40	0.35	15.32	ppb
Cadmium	106-1	-3.63	-2.84	-4.35	-3.61		ppb
Cadmium	111-1	0.09	0.23	0.07	0.13	65.74	ppb
Calcium	43-1	214.69	215.76	200.53	210.32	4.04	ppb
Calcium	44-1	185.07	195.36	186.50	188.98	2.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.44	0.27	0.31	0.34	26.45	ppb
Cobalt	59-2	0.41	0.42	0.39	0.41	4.29	ppb
Copper	63-2	0.76	0.70	0.70	0.72	4.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	23.06	22.35	22.16	22.53	2.11	ppb
Iron	57-2	21.25	23.88	23.75	22.96	6.45	ppb
Iron	54-2	20.63	21.22	18.98	20.28	5.72	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:58:57	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.40	0.39	0.35	0.38	6.50	ppb
Lead	207-1	0.38	0.38	0.37	0.38	1.96	ppb
Lead	208-1	0.37	0.38	0.37	0.37	1.07	ppb
Lithium	6-1				97		%
Magnesium	24-2	192.48	185.76	191.83	190.02	1.95	ppb
Manganese	55-2	0.72	0.68	0.70	0.70	3.05	ppb
Molybdenum	94-1	0.95	0.93	0.95	0.95	1.24	ppb
Molybdenum	95-1	0.44	0.39	0.36	0.40	9.72	ppb
Molybdenum	96-1	0.49	0.46	0.47	0.47	3.01	ppb
Molybdenum	97-1	0.40	0.37	0.44	0.40	7.72	ppb
Molybdenum	98-1	0.38	0.39	0.40	0.39	2.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.34	0.38	0.40	0.37	7.85	ppb
Phosphorus	31-2	-34.03	-31.24	-18.28	-27.85		ppb
Potassium	39-2	135.77	126.95	129.09	130.60	3.52	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	3.02	2.72	1.22	2.32	41.58	ppb
Selenium	77-2	2.26	3.87	3.78	3.30	27.42	ppb
Selenium	78-2	4.08	4.46	3.40	3.98	13.50	ppb
Silicon	28-1	-1.74	-0.98	-1.91	-1.55		ppb
Silver	107-1	0.45	0.46	0.43	0.44	3.34	ppb
Silver	109-1	0.43	0.43	0.42	0.43	1.40	ppb
Sodium	23-2	210.03	206.50	204.00	206.85	1.46	ppb
Strontium	86-1	0.44	0.36	0.36	0.38	11.86	ppb
Strontium	88-1	0.39	0.38	0.39	0.39	0.75	ppb
Sulfur	34-1	-317.69	-112.03	-191.34	-207.02		ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	0.37	0.39	0.36	0.37	5.21	ppb
Thallium	205-1	0.37	0.37	0.37	0.37	0.67	ppb
Tin	118-1	0.35	0.32	0.37	0.35	7.33	ppb
Titanium	47-1	0.36	0.39	0.40	0.38	6.47	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:58:57	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.36	0.34	0.34	0.35	2.26	ppb
Vanadium	51-2	0.41	0.36	0.36	0.38	7.90	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-1.49	-1.74	-1.69	-1.64		ppb
Zirconium	90-1	0.34	0.35	0.36	0.35	3.30	ppb
Zirconium	91-1	0.32	0.42	0.37	0.37	12.33	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-16	Instrumnet Name :	P7
Client Sample ID :	LLOQ-SOIL-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:14:07	DataFile Name :	029LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.82	19.73	19.27	19.27	2.38	ppb
Antimony	121-1	2.04	2.07	2.05	2.05	0.78	ppb
Arsenic	75-2	1.08	1.05	0.87	1.00	11.45	ppb
Barium	135-1	9.82	10.26	9.90	10.00	2.35	ppb
Barium	137-1	10.11	10.18	9.84	10.04	1.77	ppb
Beryllium	9-1	1.09	1.08	1.01	1.06	4.23	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.99	1.21	1.07	1.09	10.47	ppb
Cadmium	106-1	-2.29	0.15	-1.05	-1.06		ppb
Cadmium	111-1	0.99	1.23	1.05	1.09	11.63	ppb
Calcium	43-1	515.39	517.62	559.62	530.88	4.69	ppb
Calcium	44-1	503.83	522.83	522.49	516.39	2.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.87	1.95	2.00	1.94	3.55	ppb
Cobalt	59-2	1.06	1.03	1.04	1.04	1.44	ppb
Copper	63-2	1.88	1.86	1.86	1.87	0.67	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				100		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				103		%
Iron	56-2	53.12	53.54	52.88	53.18	0.62	ppb
Iron	57-2	53.06	55.79	56.12	54.99	3.06	ppb
Iron	54-2	53.68	55.25	50.58	53.17	4.47	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-16	Instrumnet Name :	P7
Client Sample ID :	LLOQ-SOIL-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:14:07	DataFile Name :	029LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.80	0.92	0.85	0.86	6.72	ppb
Lead	207-1	0.88	0.76	0.81	0.82	7.13	ppb
Lead	208-1	0.83	0.85	0.83	0.84	1.13	ppb
Lithium	6-1				101		%
Magnesium	24-2	485.31	483.85	488.85	486.00	0.53	ppb
Manganese	55-2	1.05	1.05	1.01	1.04	1.85	ppb
Molybdenum	94-1	6.08	5.83	5.97	5.96	2.12	ppb
Molybdenum	95-1	4.91	5.04	4.83	4.93	2.18	ppb
Molybdenum	96-1	5.01	5.11	4.98	5.04	1.30	ppb
Molybdenum	97-1	5.00	4.83	4.85	4.89	1.92	ppb
Molybdenum	98-1	4.92	4.86	4.94	4.90	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.93	0.94	0.93	0.93	0.44	ppb
Phosphorus	31-2	230.04	237.52	225.18	230.91	2.69	ppb
Potassium	39-2	497.35	497.18	509.13	501.22	1.37	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				103		%
Selenium	82-1	5.47	4.83	4.14	4.81	13.84	ppb
Selenium	77-2	6.77	5.93	3.70	5.47	28.99	ppb
Selenium	78-2	4.81	3.51	3.16	3.82	22.75	ppb
Silicon	28-1	-1.21	0.20	-0.93	-0.65		ppb
Silver	107-1	1.16	1.17	1.10	1.14	3.41	ppb
Silver	109-1	1.09	1.09	1.09	1.09	0.18	ppb
Sodium	23-2	498.47	488.76	497.87	495.03	1.10	ppb
Strontium	86-1	0.93	0.96	0.96	0.95	1.87	ppb
Strontium	88-1	0.99	0.98	0.99	0.98	0.67	ppb
Sulfur	34-1	301.07	527.96	427.59	418.87	27.14	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	0.98	0.96	0.98	0.97	1.36	ppb
Thallium	205-1	0.95	0.97	0.97	0.97	1.28	ppb
Tin	118-1	5.08	5.23	4.96	5.09	2.63	ppb
Titanium	47-1	5.22	5.05	4.87	5.05	3.46	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-16	Instrumnet Name :	P7
Client Sample ID :	LLOQ-SOIL-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:14:07	DataFile Name :	029LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.88	0.86	0.88	0.87	1.46	ppb
Vanadium	51-2	4.84	4.85	4.93	4.88	1.01	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	5.23	4.75	5.71	5.23	9.15	ppb
Zirconium	90-1	1.05	1.08	1.09	1.07	2.25	ppb
Zirconium	91-1	1.09	1.03	1.13	1.08	4.44	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-02	Instrumnet Name :	P7
Client Sample ID :	LOQ-SOIL-02-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:20:43	DataFile Name :	031LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.74	19.13	20.79	20.22	4.67	ppb
Antimony	121-1	2.10	2.07	2.02	2.06	1.99	ppb
Arsenic	75-2	1.26	1.02	1.07	1.12	11.28	ppb
Barium	135-1	10.08	9.98	9.67	9.91	2.16	ppb
Barium	137-1	9.74	10.00	9.86	9.87	1.28	ppb
Beryllium	9-1	1.03	1.04	1.11	1.06	4.05	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.16	1.45	1.40	1.34	11.54	ppb
Cadmium	106-1	-1.81	-1.12	-0.02	-0.98		ppb
Cadmium	111-1	1.09	1.08	1.10	1.09	1.04	ppb
Calcium	43-1	530.34	531.70	506.00	522.68	2.77	ppb
Calcium	44-1	504.33	500.52	493.56	499.47	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.04	1.92	1.96	1.97	3.01	ppb
Cobalt	59-2	1.07	1.01	1.07	1.05	3.48	ppb
Copper	63-2	1.86	1.86	1.93	1.88	1.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	53.19	53.58	54.57	53.78	1.32	ppb
Iron	57-2	51.16	54.96	55.01	53.71	4.11	ppb
Iron	54-2	52.40	53.52	52.14	52.69	1.39	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-02	Instrumnet Name :	P7
Client Sample ID :	LOQ-SOIL-02-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:20:43	DataFile Name :	031LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.79	0.82	0.85	0.82	3.66	ppb
Lead	207-1	0.76	0.84	0.80	0.80	5.16	ppb
Lead	208-1	0.79	0.84	0.82	0.82	2.93	ppb
Lithium	6-1				105		%
Magnesium	24-2	488.76	488.32	486.30	487.79	0.27	ppb
Manganese	55-2	0.98	1.07	0.97	1.01	5.42	ppb
Molybdenum	94-1	5.79	5.85	5.75	5.80	0.84	ppb
Molybdenum	95-1	4.80	4.87	4.95	4.87	1.56	ppb
Molybdenum	96-1	5.02	4.86	5.01	4.96	1.71	ppb
Molybdenum	97-1	5.09	4.84	4.89	4.94	2.69	ppb
Molybdenum	98-1	4.92	4.80	4.84	4.85	1.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.93	0.90	0.93	0.92	1.72	ppb
Phosphorus	31-2	210.45	211.12	234.18	218.58	6.18	ppb
Potassium	39-2	501.43	510.74	521.98	511.38	2.01	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	3.67	4.36	4.15	4.06	8.64	ppb
Selenium	77-2	6.91	7.51	5.55	6.66	15.08	ppb
Selenium	78-2	5.56	4.86	4.66	5.03	9.45	ppb
Silicon	28-1	-2.17	-2.49	-3.45	-2.70		ppb
Silver	107-1	1.10	1.03	1.06	1.06	3.74	ppb
Silver	109-1	1.06	1.10	1.09	1.08	1.94	ppb
Sodium	23-2	498.86	495.72	507.34	500.64	1.20	ppb
Strontium	86-1	0.98	0.96	0.88	0.94	5.56	ppb
Strontium	88-1	0.97	0.99	0.98	0.98	1.08	ppb
Sulfur	34-1	591.80	472.49	215.88	426.72	45.02	ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	0.95	0.98	0.96	0.96	1.36	ppb
Thallium	205-1	0.93	0.94	0.98	0.95	2.54	ppb
Tin	118-1	5.00	5.20	4.97	5.06	2.52	ppb
Titanium	47-1	5.03	5.21	5.01	5.08	2.09	ppb

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-02	Instrumnet Name :	P7
Client Sample ID :	LOQ-SOIL-02-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:20:43	DataFile Name :	031LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.82	0.87	0.89	0.86	3.91	ppb
Vanadium	51-2	5.09	5.00	5.08	5.06	1.04	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	4.50	4.94	4.97	4.81	5.51	ppb
Zirconium	90-1	1.07	1.06	1.09	1.07	1.73	ppb
Zirconium	91-1	1.07	1.04	0.89	1.00	9.58	ppb

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01RE	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:27:25	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.11	8.89	8.31	8.44	4.77	ppb
Antimony	121-1	0.38	0.39	0.38	0.38	1.74	ppb
Arsenic	75-2	0.53	0.46	0.34	0.44	21.65	ppb
Barium	135-1	2.00	2.17	1.88	2.02	7.23	ppb
Barium	137-1	2.02	1.89	2.09	2.00	5.02	ppb
Beryllium	9-1	0.42	0.37	0.44	0.41	9.15	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.70	0.88	1.14	0.91	24.14	ppb
Cadmium	106-1	-4.63	-3.12	-2.40	-3.38		ppb
Cadmium	111-1	0.33	0.54	0.52	0.46	24.58	ppb
Calcium	43-1	199.66	206.81	191.90	199.46	3.74	ppb
Calcium	44-1	182.86	189.48	183.76	185.36	1.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.28	0.29	0.33	0.30	7.94	ppb
Cobalt	59-2	0.37	0.40	0.36	0.38	4.71	ppb
Copper	63-2	0.76	0.72	0.72	0.73	3.06	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				98		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	22.50	22.94	21.80	22.41	2.58	ppb
Iron	57-2	22.95	23.06	23.36	23.13	0.92	ppb
Iron	54-2	20.35	22.00	20.71	21.02	4.15	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01RE	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:27:25	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.41	0.36	0.40	0.39	6.96	ppb
Lead	207-1	0.35	0.35	0.38	0.36	3.95	ppb
Lead	208-1	0.38	0.35	0.39	0.37	5.36	ppb
Lithium	6-1				102		%
Magnesium	24-2	187.09	190.03	186.92	188.02	0.93	ppb
Manganese	55-2	0.77	0.82	0.74	0.78	5.20	ppb
Molybdenum	94-1	0.88	0.89	1.01	0.93	7.47	ppb
Molybdenum	95-1	0.39	0.37	0.40	0.39	3.62	ppb
Molybdenum	96-1	0.42	0.41	0.42	0.42	1.62	ppb
Molybdenum	97-1	0.39	0.42	0.41	0.41	3.82	ppb
Molybdenum	98-1	0.38	0.36	0.37	0.37	3.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.38	0.50	0.30	0.39	25.96	ppb
Phosphorus	31-2	-24.56	-16.82	-26.23	-22.53		ppb
Potassium	39-2	124.52	128.87	131.89	128.43	2.89	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	3.40	2.12	2.97	2.83	22.94	ppb
Selenium	77-2	1.10	3.24	4.32	2.89	56.79	ppb
Selenium	78-2	2.40	2.00	2.73	2.38	15.39	ppb
Silicon	28-1	-3.83	-1.66	-3.21	-2.90		ppb
Silver	107-1	0.41	0.41	0.42	0.42	1.20	ppb
Silver	109-1	0.39	0.42	0.43	0.41	4.12	ppb
Sodium	23-2	198.46	202.34	199.88	200.23	0.98	ppb
Strontium	86-1	0.37	0.36	0.39	0.37	4.32	ppb
Strontium	88-1	0.38	0.38	0.38	0.38	1.06	ppb
Sulfur	34-1	87.96	209.45	168.04	155.15	39.81	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	0.39	0.31	0.38	0.36	11.77	ppb
Thallium	205-1	0.37	0.35	0.38	0.36	4.40	ppb
Tin	118-1	0.34	0.31	0.32	0.32	3.77	ppb
Titanium	47-1	0.43	0.48	0.46	0.46	6.07	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01RE	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:27:25	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.35	0.31	0.35	0.33	7.21	ppb
Vanadium	51-2	0.37	0.36	0.36	0.36	1.36	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	1.72	1.79	1.58	1.70	6.26	ppb
Zirconium	90-1	0.37	0.36	0.35	0.36	2.36	ppb
Zirconium	91-1	0.37	0.36	0.34	0.35	3.41	ppb

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-07	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-WATER-01-QT	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:30:44	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.96	9.51	7.86	8.11	15.96	ppb
Antimony	121-1	0.39	0.40	0.44	0.41	6.25	ppb
Arsenic	75-2	0.33	0.37	0.43	0.38	14.29	ppb
Barium	135-1	1.91	2.03	2.02	1.99	3.40	ppb
Barium	137-1	2.01	1.99	1.91	1.97	2.56	ppb
Beryllium	9-1	0.37	0.44	0.46	0.42	11.52	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.43	0.48	0.30	0.40	22.79	ppb
Cadmium	106-1	-1.50	-1.62	-2.53	-1.88		ppb
Cadmium	111-1	0.32	0.21	0.19	0.24	29.92	ppb
Calcium	43-1	186.30	194.66	189.26	190.08	2.23	ppb
Calcium	44-1	186.29	182.22	194.39	187.63	3.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.29	0.28	0.39	0.32	18.00	ppb
Cobalt	59-2	0.37	0.40	0.41	0.40	4.89	ppb
Copper	63-2	0.68	0.69	0.75	0.71	5.40	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				100		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				102		%
Iron	56-2	22.31	22.17	22.59	22.36	0.94	ppb
Iron	57-2	20.17	23.08	21.12	21.46	6.92	ppb
Iron	54-2	19.72	21.44	20.37	20.51	4.22	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-07	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-WATER-01-QT	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:30:44	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.39	0.40	0.40	0.40	0.62	ppb
Lead	207-1	0.38	0.36	0.38	0.37	3.36	ppb
Lead	208-1	0.37	0.39	0.38	0.38	2.79	ppb
Lithium	6-1				102		%
Magnesium	24-2	191.40	190.90	195.62	192.64	1.35	ppb
Manganese	55-2	0.72	0.70	0.69	0.70	2.35	ppb
Molybdenum	94-1	1.00	0.99	0.91	0.97	5.02	ppb
Molybdenum	95-1	0.43	0.42	0.40	0.41	3.70	ppb
Molybdenum	96-1	0.49	0.46	0.38	0.44	12.54	ppb
Molybdenum	97-1	0.41	0.40	0.36	0.39	6.87	ppb
Molybdenum	98-1	0.43	0.38	0.41	0.41	5.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.46	0.49	0.52	0.49	6.07	ppb
Phosphorus	31-2	-28.18	-22.98	-31.92	-27.69		ppb
Potassium	39-2	122.83	119.40	126.19	122.81	2.77	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	1.58	2.99	2.43	2.34	30.40	ppb
Selenium	77-2	2.97	2.29	1.77	2.34	25.63	ppb
Selenium	78-2	2.07	3.40	2.34	2.61	26.84	ppb
Silicon	28-1	-3.98	-3.48	-3.37	-3.61		ppb
Silver	107-1	0.42	0.43	0.42	0.42	1.65	ppb
Silver	109-1	0.41	0.45	0.40	0.42	6.34	ppb
Sodium	23-2	202.79	200.79	196.82	200.13	1.52	ppb
Strontium	86-1	0.38	0.40	0.35	0.38	6.92	ppb
Strontium	88-1	0.38	0.37	0.38	0.38	1.59	ppb
Sulfur	34-1	-46.25	58.17	232.33	81.42	172.86	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	0.37	0.36	0.33	0.35	4.94	ppb
Thallium	205-1	0.36	0.35	0.37	0.36	2.64	ppb
Tin	118-1	0.35	0.40	0.33	0.36	9.10	ppb
Titanium	47-1	0.39	0.35	0.40	0.38	7.54	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-07	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-WATER-01-QT	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:30:44	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.34	0.33	0.35	0.34	3.47	ppb
Vanadium	51-2	0.40	0.41	0.43	0.41	3.06	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	-2.01	-1.80	-1.86	-1.89		ppb
Zirconium	90-1	0.37	0.33	0.36	0.35	5.69	ppb
Zirconium	91-1	0.36	0.36	0.42	0.38	9.47	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:34:01	DataFile Name :	034LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.90	18.61	21.54	20.35	7.57	ppb
Antimony	121-1	2.09	2.08	1.98	2.05	2.94	ppb
Arsenic	75-2	1.31	1.14	1.04	1.17	11.40	ppb
Barium	135-1	9.87	10.10	9.85	9.94	1.38	ppb
Barium	137-1	9.92	10.25	9.78	9.98	2.47	ppb
Beryllium	9-1	1.00	1.11	0.88	1.00	11.26	ppb
Bismuth	209-1				98		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.31	1.15	1.62	1.36	17.51	ppb
Cadmium	106-1	-1.10	-1.19	-1.59	-1.29		ppb
Cadmium	111-1	1.04	1.01	0.97	1.01	3.29	ppb
Calcium	43-1	502.30	526.93	516.46	515.23	2.40	ppb
Calcium	44-1	499.85	507.46	491.08	499.46	1.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.97	1.85	1.92	1.91	3.01	ppb
Cobalt	59-2	1.08	1.01	1.03	1.04	3.28	ppb
Copper	63-2	1.99	1.82	1.85	1.88	4.75	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				99		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	54.68	53.19	53.00	53.62	1.72	ppb
Iron	57-2	59.65	56.02	56.07	57.25	3.64	ppb
Iron	54-2	54.52	52.19	52.98	53.23	2.22	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:34:01	DataFile Name :	034LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.82	0.84	0.80	0.82	2.53	ppb
Lead	207-1	0.82	0.82	0.83	0.83	0.94	ppb
Lead	208-1	0.83	0.84	0.81	0.83	1.63	ppb
Lithium	6-1				101		%
Magnesium	24-2	511.31	490.34	498.44	500.03	2.11	ppb
Manganese	55-2	0.89	0.94	1.03	0.95	7.37	ppb
Molybdenum	94-1	5.85	6.05	5.73	5.88	2.71	ppb
Molybdenum	95-1	4.89	5.09	4.90	4.96	2.21	ppb
Molybdenum	96-1	4.90	5.20	5.18	5.10	3.31	ppb
Molybdenum	97-1	4.85	4.95	4.92	4.91	1.02	ppb
Molybdenum	98-1	4.76	4.97	4.86	4.86	2.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.98	0.86	0.91	0.92	6.40	ppb
Phosphorus	31-2	215.84	217.30	222.30	218.48	1.55	ppb
Potassium	39-2	523.36	493.62	513.59	510.19	2.97	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	5.11	5.17	4.11	4.79	12.37	ppb
Selenium	77-2	5.58	4.26	3.98	4.61	18.50	ppb
Selenium	78-2	5.88	6.96	4.04	5.63	26.25	ppb
Silicon	28-1	-1.95	-2.08	-1.89	-1.97		ppb
Silver	107-1	1.11	1.17	1.14	1.14	2.76	ppb
Silver	109-1	1.11	1.08	1.14	1.11	2.87	ppb
Sodium	23-2	514.51	498.26	501.09	504.62	1.72	ppb
Strontium	86-1	0.99	0.87	0.99	0.95	6.89	ppb
Strontium	88-1	0.94	0.99	0.97	0.97	2.50	ppb
Sulfur	34-1	360.39	522.60	505.44	462.81	19.26	ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	0.88	1.05	0.95	0.96	9.02	ppb
Thallium	205-1	0.94	0.93	0.96	0.94	1.50	ppb
Tin	118-1	4.76	5.08	5.01	4.95	3.32	ppb
Titanium	47-1	5.05	4.98	4.93	4.98	1.17	ppb

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:34:01	DataFile Name :	034LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.88	0.82	0.85	3.62	ppb
Vanadium	51-2	5.05	4.74	4.97	4.92	3.26	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	2.33	1.99	2.36	2.23	9.16	ppb
Zirconium	90-1	1.00	1.02	1.02	1.01	1.51	ppb
Zirconium	91-1	1.09	1.16	1.05	1.10	5.06	ppb

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08RE	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:37:21	DataFile Name :	035LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24.63	24.89	24.23	24.58	1.37	ppb
Antimony	121-1	2.05	2.17	2.06	2.09	3.01	ppb
Arsenic	75-2	0.96	1.13	1.15	1.08	9.67	ppb
Barium	135-1	10.09	10.11	9.65	9.95	2.60	ppb
Barium	137-1	9.68	10.25	9.97	9.97	2.85	ppb
Beryllium	9-1	1.00	1.08	1.04	1.04	3.94	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.01	1.14	1.62	1.26	25.66	ppb
Cadmium	106-1	-1.34	-1.28	-2.53	-1.71		ppb
Cadmium	111-1	0.96	0.98	0.92	0.95	3.16	ppb
Calcium	43-1	668.98	674.68	672.08	671.91	0.43	ppb
Calcium	44-1	663.92	661.03	666.84	663.93	0.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.94	1.85	1.98	1.92	3.54	ppb
Cobalt	59-2	1.06	1.07	1.15	1.09	4.49	ppb
Copper	63-2	2.08	2.07	2.01	2.05	1.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	53.78	55.37	56.41	55.18	2.40	ppb
Iron	57-2	54.32	60.04	58.07	57.48	5.06	ppb
Iron	54-2	53.06	52.65	54.93	53.55	2.27	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08RE	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:37:21	DataFile Name :	035LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.94	0.85	0.91	0.90	5.33	ppb
Lead	207-1	0.91	0.92	0.86	0.90	3.51	ppb
Lead	208-1	0.93	0.88	0.89	0.90	2.85	ppb
Lithium	6-1				103		%
Magnesium	24-2	494.90	495.97	503.24	498.04	0.91	ppb
Manganese	55-2	1.10	1.18	1.19	1.16	4.09	ppb
Molybdenum	94-1	5.84	5.67	5.91	5.81	2.13	ppb
Molybdenum	95-1	5.08	4.91	4.98	4.99	1.71	ppb
Molybdenum	96-1	5.03	4.88	5.10	5.00	2.29	ppb
Molybdenum	97-1	4.95	4.88	4.92	4.92	0.67	ppb
Molybdenum	98-1	4.88	4.87	4.91	4.89	0.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.01	1.02	1.03	1.48	ppb
Phosphorus	31-2	221.67	212.18	210.18	214.68	2.86	ppb
Potassium	39-2	521.77	538.91	546.93	535.87	2.40	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	4.19	5.03	4.70	4.64	9.11	ppb
Selenium	77-2	3.51	4.57	3.58	3.89	15.32	ppb
Selenium	78-2	6.41	4.49	6.85	5.92	21.25	ppb
Silicon	28-1	-0.47	-1.95	-1.23	-1.22		ppb
Silver	107-1	1.10	1.14	1.09	1.11	2.59	ppb
Silver	109-1	1.09	1.13	1.13	1.12	1.99	ppb
Sodium	23-2	506.44	509.28	526.31	514.01	2.09	ppb
Strontium	86-1	0.95	1.01	1.10	1.02	7.49	ppb
Strontium	88-1	1.08	1.05	1.06	1.06	1.39	ppb
Sulfur	34-1	545.76	418.89	472.42	479.02	13.30	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	0.99	0.91	0.94	0.95	4.22	ppb
Thallium	205-1	0.97	0.93	0.92	0.94	3.06	ppb
Tin	118-1	4.99	5.16	4.98	5.04	2.03	ppb
Titanium	47-1	4.92	4.95	5.29	5.05	4.00	ppb

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08RE	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:37:21	DataFile Name :	035LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.82	0.81	0.83	1.84	ppb
Vanadium	51-2	5.16	5.10	5.02	5.09	1.40	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	5.60	5.67	5.56	5.61	0.95	ppb
Zirconium	90-1	1.05	0.99	1.01	1.02	3.42	ppb
Zirconium	91-1	1.01	0.94	1.02	0.99	4.39	ppb

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:40:53	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47496.56	46877.30	46103.15	46825.67	1.49	ppb
Antimony	121-1	508.74	529.83	519.07	519.21	2.03	ppb
Arsenic	75-2	495.99	495.67	492.13	494.60	0.43	ppb
Barium	135-1	2592.61	2684.36	2590.35	2622.44	2.05	ppb
Barium	137-1	2555.78	2691.16	2649.89	2632.28	2.64	ppb
Beryllium	9-1	511.67	525.45	518.51	518.54	1.33	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	494.77	526.88	510.09	510.58	3.15	ppb
Cadmium	106-1	496.16	522.63	506.05	508.28	2.63	ppb
Cadmium	111-1	491.57	521.72	505.01	506.10	2.98	ppb
Calcium	43-1	249237.51	256845.25	248231.16	251437.98	1.87	ppb
Calcium	44-1	250611.56	255569.51	249032.64	251737.90	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	498.12	506.94	483.36	496.14	2.40	ppb
Cobalt	59-2	484.51	494.43	474.32	484.42	2.08	ppb
Copper	63-2	4911.26	5024.49	4943.14	4959.63	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				106		%
Holmium	165-2				108		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	122530.58	124590.45	120120.59	122413.87	1.83	ppb
Iron	57-2	121070.02	121611.83	119180.77	120620.87	1.06	ppb
Iron	54-2	119004.59	122328.40	118606.64	119979.88	1.70	ppb
Krypton	83-1						cps

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:40:53	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2513.03	2551.80	2531.84	2532.23	0.77	ppb
Lead	207-1	2459.90	2480.09	2501.01	2480.33	0.83	ppb
Lead	208-1	2469.34	2526.38	2490.33	2495.35	1.16	ppb
Lithium	6-1				107		%
Magnesium	24-2	246265.80	256273.54	244813.81	249117.72	2.50	ppb
Manganese	55-2	5013.89	5090.35	4892.63	4998.96	1.99	ppb
Molybdenum	94-1	4976.92	5164.73	5129.75	5090.47	1.96	ppb
Molybdenum	95-1	4952.19	5201.62	5204.44	5119.42	2.83	ppb
Molybdenum	96-1	4976.22	5157.91	5129.01	5087.71	1.92	ppb
Molybdenum	97-1	4968.82	5271.87	5146.78	5129.15	2.97	ppb
Molybdenum	98-1	5038.01	5219.40	5174.37	5143.93	1.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	485.67	495.06	483.35	488.03	1.27	ppb
Phosphorus	31-2	9997.60	10330.55	10016.09	10114.74	1.85	ppb
Potassium	39-2	121576.18	123306.98	118702.85	121195.34	1.92	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				106		%
Selenium	82-1	475.41	494.89	492.31	487.54	2.17	ppb
Selenium	77-2	500.65	488.44	486.70	491.93	1.54	ppb
Selenium	78-2	490.19	500.04	484.85	491.69	1.57	ppb
Silicon	28-1	551.61	581.15	551.79	561.52	3.03	ppb
Silver	107-1	506.45	532.31	507.19	515.32	2.86	ppb
Silver	109-1	496.86	518.11	509.19	508.05	2.10	ppb
Sodium	23-2	248922.40	260233.99	252633.97	253930.12	2.27	ppb
Strontium	86-1	493.89	512.48	503.38	503.25	1.85	ppb
Strontium	88-1	509.37	521.78	517.95	516.37	1.23	ppb
Sulfur	34-1	10520.47	10852.73	10239.77	10537.65	2.91	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	503.39	506.68	514.16	508.08	1.09	ppb
Thallium	205-1	493.77	510.26	509.75	504.60	1.86	ppb
Tin	118-1	491.92	533.39	509.08	511.47	4.07	ppb
Titanium	47-1	5063.05	5345.59	5278.60	5229.08	2.82	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:40:53	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	495.98	504.73	496.83	499.18	0.97	ppb
Vanadium	51-2	493.16	502.31	499.51	498.33	0.94	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	4768.38	4940.95	4733.16	4814.16	2.31	ppb
Zirconium	90-1	497.13	519.25	509.60	508.66	2.18	ppb
Zirconium	91-1	498.49	515.24	509.14	507.62	1.67	ppb

Reviewed By:jaswal
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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:43:40	DataFile Name :	037CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.81	-0.37	-0.61	-0.60		ppb
Antimony	121-1	0.14	0.16	0.13	0.15	9.15	ppb
Arsenic	75-2	0.02	0.04	-0.02	0.01	277.62	ppb
Barium	135-1	0.02	0.01	0.01	0.01	60.01	ppb
Barium	137-1	0.02	0.01	0.01	0.01	55.06	ppb
Beryllium	9-1	0.00	-0.01	-0.01	0.00		ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	0.06	0.09	0.09	33.61	ppb
Cadmium	106-1	-2.65	-3.18	-3.58	-3.13		ppb
Cadmium	111-1	-0.16	-0.21	-0.25	-0.21		ppb
Calcium	43-1	1.35	-2.24	-4.55	-1.82		ppb
Calcium	44-1	-9.82	-11.81	-13.05	-11.56		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.10	-0.12	-0.05	-0.09		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.02	0.02	0.01	0.02	37.14	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				102		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	0.60	0.62	0.62	0.61	2.12	ppb
Iron	57-2	1.28	1.07	-0.77	0.53	213.76	ppb
Iron	54-2	-0.88	-0.63	-1.33	-0.94		ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:43:40	DataFile Name :	037CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.05	0.06	0.07	39.24	ppb
Lead	207-1	0.07	0.05	0.04	0.05	34.68	ppb
Lead	208-1	0.07	0.04	0.05	0.06	29.34	ppb
Lithium	6-1				103		%
Magnesium	24-2	1.78	1.80	0.89	1.49	34.91	ppb
Manganese	55-2	0.04	-0.01	0.03	0.02	170.44	ppb
Molybdenum	94-1	0.25	0.20	0.17	0.21	19.94	ppb
Molybdenum	95-1	0.20	0.19	0.18	0.19	6.37	ppb
Molybdenum	96-1	0.25	0.17	0.17	0.20	23.62	ppb
Molybdenum	97-1	0.22	0.13	0.16	0.17	26.75	ppb
Molybdenum	98-1	0.16	0.15	0.14	0.15	8.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.12	0.02	0.09	0.08	64.24	ppb
Phosphorus	31-2	-35.54	-36.53	-42.84	-38.30		ppb
Potassium	39-2	8.54	7.84	4.25	6.88	33.48	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	-0.38	-0.26	-0.79	-0.48		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	-0.70	1.45	0.49	0.42	258.58	ppb
Silicon	28-1	-2.73	-2.19	-1.86	-2.26		ppb
Silver	107-1	0.06	0.04	0.04	0.05	22.83	ppb
Silver	109-1	0.04	0.05	0.04	0.04	9.96	ppb
Sodium	23-2	44.42	41.12	39.14	41.56	6.42	ppb
Strontium	86-1	-0.06	0.00	0.02	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	7.84	ppb
Sulfur	34-1	-430.20	-254.90	-280.00	-321.70		ppb
Terbium	159-1				98		%
Terbium	159-2				101		%
Thallium	203-1	0.03	0.00	0.00	0.01	158.54	ppb
Thallium	205-1	0.03	0.02	0.02	0.03	26.04	ppb
Tin	118-1	0.01	-0.01	-0.01	0.00		ppb
Titanium	47-1	0.06	0.02	0.06	0.04	49.39	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:43:40	DataFile Name :	037CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	112.39	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	323.02	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-1.48	-1.16	-0.89	-1.18		ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	10.47	ppb
Zirconium	91-1	0.02	0.02	0.04	0.03	50.12	ppb

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BL	Instrumnet Name :	P7
Client Sample ID :	PB169250BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:46:56	DataFile Name :	038CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.62	-0.21	-0.67	-0.50		ppb
Antimony	121-1	0.03	0.04	0.03	0.04	17.34	ppb
Arsenic	75-2	-0.03	0.04	0.03	0.01	318.45	ppb
Barium	135-1	0.00	0.00	-0.03	-0.01		ppb
Barium	137-1	0.00	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.02	-0.01	-0.01	0.00	889.36	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.02	0.02	0.04	58.31	ppb
Cadmium	106-1	-1.97	-3.59	-4.02	-3.19		ppb
Cadmium	111-1	-0.10	-0.23	-0.27	-0.20		ppb
Calcium	43-1	-6.54	-9.92	-6.46	-7.64		ppb
Calcium	44-1	-15.47	-17.51	-14.50	-15.82		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.06	-0.07	-0.06	-0.06		ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	178.64	ppb
Copper	63-2	-0.01	-0.03	0.00	-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				100		%
Indium	115-2				100		%
Iron	56-2	0.40	0.26	0.04	0.23	78.68	ppb
Iron	57-2	0.97	-2.72	-1.89	-1.21		ppb
Iron	54-2	-2.83	-1.48	-1.21	-1.84		ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BL	Instrumnet Name :	P7
Client Sample ID :	PB169250BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:46:56	DataFile Name :	038CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.04	0.04	0.04	20.64	ppb
Lead	207-1	0.04	0.02	0.01	0.02	78.69	ppb
Lead	208-1	0.03	0.03	0.03	0.03	13.52	ppb
Lithium	6-1				101		%
Magnesium	24-2	0.35	0.55	0.62	0.50	27.43	ppb
Manganese	55-2	-0.04	-0.05	-0.04	-0.05		ppb
Molybdenum	94-1	0.07	0.03	0.07	0.06	40.69	ppb
Molybdenum	95-1	0.04	0.05	0.05	0.05	14.54	ppb
Molybdenum	96-1	0.04	0.03	0.04	0.04	16.26	ppb
Molybdenum	97-1	0.03	0.02	0.02	0.02	28.69	ppb
Molybdenum	98-1	0.03	0.03	0.02	0.03	33.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	-0.04	-0.01		ppb
Phosphorus	31-2	-33.79	-34.45	-33.07	-33.77		ppb
Potassium	39-2	8.46	0.32	2.10	3.62	118.06	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	82-1	-0.56	0.35	-0.42	-0.21		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	1.67	0.11	-0.51	0.42	264.52	ppb
Silicon	28-1	-1.82	-2.71	-1.25	-1.92		ppb
Silver	107-1	0.02	0.02	0.02	0.02	2.87	ppb
Silver	109-1	0.02	0.02	0.02	0.02	13.22	ppb
Sodium	23-2	26.91	24.14	23.13	24.73	7.92	ppb
Strontium	86-1	-0.03	-0.04	0.01	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	39.86	ppb
Sulfur	34-1	-299.71	-226.72	76.63	-149.93		ppb
Terbium	159-1				98		%
Terbium	159-2				97		%
Thallium	203-1	0.00	-0.01	-0.01	0.00		ppb
Thallium	205-1	0.01	0.00	-0.01	0.00	2527.56	ppb
Tin	118-1	-0.05	-0.02	-0.03	-0.03		ppb
Titanium	47-1	0.04	0.00	-0.03	0.00	1824.16	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BL	Instrumnet Name :	P7
Client Sample ID :	PB169250BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:46:56	DataFile Name :	038CCBD.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	-0.01	0.00	0.00		ppb
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	-2.20	-2.52	-2.56	-2.43		ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	66.65	ppb
Zirconium	91-1	0.01	0.00	0.03	0.01	120.00	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BS	Instrumnet Name :	P7
Client Sample ID :	PB169250BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:50:14	DataFile Name :	039LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9821.07	9762.07	9833.97	9805.71	0.39	ppb
Antimony	121-1	490.42	512.52	503.11	502.02	2.21	ppb
Arsenic	75-2	479.32	483.05	495.00	485.79	1.69	ppb
Barium	135-1	2460.06	2548.32	2480.82	2496.40	1.85	ppb
Barium	137-1	2474.16	2599.16	2502.43	2525.25	2.60	ppb
Beryllium	9-1	485.16	496.60	496.73	492.83	1.35	ppb
Bismuth	209-1				102		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	490.78	520.87	503.34	505.00	2.99	ppb
Cadmium	106-1	489.88	518.22	496.26	501.45	2.97	ppb
Cadmium	111-1	496.90	523.95	511.70	510.85	2.65	ppb
Calcium	43-1	50085.72	53991.14	51725.91	51934.26	3.78	ppb
Calcium	44-1	48293.12	52792.77	50048.43	50378.11	4.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	482.66	483.79	487.71	484.72	0.55	ppb
Cobalt	59-2	475.70	485.58	502.54	487.94	2.78	ppb
Copper	63-2	4960.61	5010.00	5015.52	4995.38	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				108		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	25297.76	25598.28	25976.17	25624.07	1.33	ppb
Iron	57-2	25785.67	25169.37	26253.84	25736.29	2.11	ppb
Iron	54-2	25517.96	26540.77	26654.03	26237.59	2.39	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BS	Instrumnet Name :	P7
Client Sample ID :	PB169250BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:50:14	DataFile Name :	039LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2428.35	2424.62	2533.68	2462.22	2.51	ppb
Lead	207-1	2343.33	2353.99	2446.57	2381.30	2.38	ppb
Lead	208-1	2358.34	2417.26	2484.16	2419.92	2.60	ppb
Lithium	6-1				105		%
Magnesium	24-2	48192.58	49093.08	49501.29	48928.98	1.37	ppb
Manganese	55-2	4814.31	4858.61	4999.92	4890.95	1.98	ppb
Molybdenum	94-1	4979.42	4998.61	4920.37	4966.13	0.82	ppb
Molybdenum	95-1	4955.83	5064.64	5034.79	5018.42	1.12	ppb
Molybdenum	96-1	5004.21	4925.46	4948.17	4959.28	0.82	ppb
Molybdenum	97-1	4881.13	4985.29	4848.09	4904.84	1.46	ppb
Molybdenum	98-1	4948.48	5007.63	4941.50	4965.87	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	484.77	485.03	494.04	487.95	1.08	ppb
Phosphorus	31-2	9522.89	9801.31	9773.76	9699.32	1.58	ppb
Potassium	39-2	24058.41	24657.99	25194.58	24636.99	2.31	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	505.29	511.50	498.56	505.12	1.28	ppb
Selenium	77-2	488.73	496.63	510.92	498.76	2.25	ppb
Selenium	78-2	492.16	496.81	509.71	499.56	1.82	ppb
Silicon	28-1	555.01	608.90	584.28	582.73	4.63	ppb
Silver	107-1	501.84	530.39	517.32	516.52	2.77	ppb
Silver	109-1	493.44	519.21	507.47	506.70	2.55	ppb
Sodium	23-2	49760.87	50544.05	50321.63	50208.85	0.80	ppb
Strontium	86-1	485.46	492.65	483.16	487.09	1.02	ppb
Strontium	88-1	500.34	503.82	494.08	499.41	0.99	ppb
Sulfur	34-1	9035.44	10059.11	9515.91	9536.82	5.37	ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	488.97	480.51	486.37	485.28	0.89	ppb
Thallium	205-1	484.77	487.45	490.57	487.60	0.60	ppb
Tin	118-1	481.51	514.04	502.93	499.49	3.31	ppb
Titanium	47-1	4740.57	5102.95	4903.28	4915.60	3.69	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BS	Instrumnet Name :	P7
Client Sample ID :	PB169250BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:50:14	DataFile Name :	039LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	467.64	472.34	476.45	472.14	0.93	ppb
Vanadium	51-2	477.58	485.51	492.22	485.10	1.51	ppb
Yttrium	89-1				102		%
Yttrium	89-2				106		%
Zinc	66-2	4886.29	4963.02	5004.96	4951.42	1.22	ppb
Zirconium	90-1	496.04	494.58	484.99	491.87	1.22	ppb
Zirconium	91-1	488.78	501.27	489.20	493.08	1.44	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BL	Instrumnet Name :	P7
Client Sample ID :	PB169323BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:52:58	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.48	-0.84	-0.36	-0.89		ppb
Antimony	121-1	0.16	0.13	0.15	0.15	10.84	ppb
Arsenic	75-2	0.03	-0.01	0.01	0.01	137.42	ppb
Barium	135-1	0.03	0.02	0.03	0.03	21.57	ppb
Barium	137-1	0.07	0.05	0.01	0.04	63.19	ppb
Beryllium	9-1	0.00	0.02	0.01	0.01	69.63	ppb
Bismuth	209-1				96		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	-0.05	-0.01	-0.01		ppb
Cadmium	106-1	-2.44	-3.10	-3.24	-2.92		ppb
Cadmium	111-1	-0.15	-0.19	-0.21	-0.18		ppb
Calcium	43-1	-4.10	-3.84	-8.64	-5.52		ppb
Calcium	44-1	-8.04	-21.24	-12.34	-13.87		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.12	-0.02	-0.03	-0.06		ppb
Cobalt	59-2	0.01	-0.01	0.01	0.00	266.10	ppb
Copper	63-2	0.06	0.07	0.03	0.05	40.20	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				97		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				101		%
Iron	56-2	-0.20	0.30	0.19	0.10	262.08	ppb
Iron	57-2	0.43	0.70	0.63	0.59	24.29	ppb
Iron	54-2	-1.23	-1.98	-0.54	-1.25		ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BL	Instrumnet Name :	P7
Client Sample ID :	PB169323BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:52:58	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.12	0.09	0.07	0.09	29.32	ppb
Lead	207-1	0.08	0.05	0.04	0.06	39.41	ppb
Lead	208-1	0.10	0.06	0.05	0.07	38.43	ppb
Lithium	6-1				99		%
Magnesium	24-2	0.59	0.54	0.58	0.57	4.76	ppb
Manganese	55-2	-0.06	-0.01	-0.03	-0.04		ppb
Molybdenum	94-1	0.28	0.19	0.18	0.22	25.81	ppb
Molybdenum	95-1	0.24	0.23	0.16	0.21	21.97	ppb
Molybdenum	96-1	0.31	0.21	0.17	0.23	31.43	ppb
Molybdenum	97-1	0.31	0.27	0.18	0.25	26.81	ppb
Molybdenum	98-1	0.28	0.21	0.16	0.22	27.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.11	0.02	0.04	139.96	ppb
Phosphorus	31-2	-30.60	-39.64	-31.03	-33.76		ppb
Potassium	39-2	2.46	0.94	1.25	1.55	51.95	ppb
Rhodium	103-1				96		%
Rhodium	103-2				100		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	0.74	-0.26	-0.21	0.09	627.89	ppb
Selenium	77-2	0.08	0.09	-0.16	0.00	11652.78	ppb
Selenium	78-2	-0.19	-0.83	1.46	0.15	800.34	ppb
Silicon	28-1	2.59	-2.27	0.70	0.34	719.25	ppb
Silver	107-1	0.07	0.05	0.04	0.05	25.02	ppb
Silver	109-1	0.06	0.04	0.05	0.05	20.67	ppb
Sodium	23-2	23.13	24.00	22.84	23.32	2.57	ppb
Strontium	86-1	-0.03	-0.01	-0.07	-0.03		ppb
Strontium	88-1	0.01	0.01	0.01	0.01	23.09	ppb
Sulfur	34-1	-54.38	-818.54	-211.03	-361.32		ppb
Terbium	159-1				96		%
Terbium	159-2				98		%
Thallium	203-1	0.04	0.01	0.02	0.02	70.08	ppb
Thallium	205-1	0.04	0.03	0.01	0.03	53.20	ppb
Tin	118-1	0.00	-0.05	-0.02	-0.02		ppb
Titanium	47-1	0.07	0.09	0.05	0.07	25.75	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BL	Instrumnet Name :	P7
Client Sample ID :	PB169323BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:52:58	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.00	0.00	0.01	107.10	ppb
Vanadium	51-2	-0.01	0.00	0.00	0.00	822.03	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	-2.41	-2.79	-2.42	-2.54		ppb
Zirconium	90-1	0.06	0.03	0.04	0.04	42.71	ppb
Zirconium	91-1	0.04	0.01	0.04	0.03	61.46	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BS	Instrumnet Name :	P7
Client Sample ID :	PB169323BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:56:16	DataFile Name :	041LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10546.55	9798.10	10004.47	10116.37	3.82	ppb
Antimony	121-1	490.43	510.44	518.82	506.56	2.88	ppb
Arsenic	75-2	517.56	489.21	491.77	499.51	3.14	ppb
Barium	135-1	2498.70	2554.04	2605.84	2552.86	2.10	ppb
Barium	137-1	2459.45	2573.52	2586.49	2539.82	2.75	ppb
Beryllium	9-1	491.11	494.62	495.45	493.73	0.47	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	497.16	505.18	522.23	508.19	2.52	ppb
Cadmium	106-1	477.36	502.66	519.94	499.98	4.28	ppb
Cadmium	111-1	491.60	515.42	515.81	507.61	2.73	ppb
Calcium	43-1	50942.98	52390.44	52423.04	51918.82	1.63	ppb
Calcium	44-1	49800.16	50274.05	50829.35	50301.18	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	500.59	483.38	488.53	490.84	1.80	ppb
Cobalt	59-2	500.60	494.53	506.13	500.42	1.16	ppb
Copper	63-2	5014.11	4960.32	4973.69	4982.71	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				105		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	26649.37	25744.98	25929.81	26108.06	1.83	ppb
Iron	57-2	25966.89	25390.44	26118.14	25825.16	1.49	ppb
Iron	54-2	26539.08	25457.05	25574.68	25856.94	2.30	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BS	Instrumnet Name :	P7
Client Sample ID :	PB169323BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:56:16	DataFile Name :	041LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2451.28	2396.96	2489.52	2445.92	1.90	ppb
Lead	207-1	2437.35	2365.01	2413.68	2405.35	1.53	ppb
Lead	208-1	2453.46	2407.15	2464.34	2441.65	1.24	ppb
Lithium	6-1				105		%
Magnesium	24-2	52630.50	49393.60	49711.66	50578.59	3.53	ppb
Manganese	55-2	5052.99	4808.39	4918.04	4926.47	2.49	ppb
Molybdenum	94-1	4761.69	4992.63	5061.66	4938.66	3.18	ppb
Molybdenum	95-1	4860.54	4946.36	5023.82	4943.57	1.65	ppb
Molybdenum	96-1	4766.42	4933.09	5044.88	4914.80	2.85	ppb
Molybdenum	97-1	4778.36	4926.59	5064.76	4923.23	2.91	ppb
Molybdenum	98-1	4682.50	5031.27	5035.98	4916.58	4.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	501.74	488.73	495.27	495.24	1.31	ppb
Phosphorus	31-2	10012.42	9887.22	9879.57	9926.41	0.75	ppb
Potassium	39-2	25994.52	24994.52	25752.27	25580.44	2.04	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	82-1	486.98	502.59	519.43	503.00	3.23	ppb
Selenium	77-2	526.57	485.37	507.15	506.37	4.07	ppb
Selenium	78-2	516.72	500.78	508.74	508.75	1.57	ppb
Silicon	28-1	582.91	591.84	599.61	591.46	1.41	ppb
Silver	107-1	498.12	513.37	530.91	514.13	3.19	ppb
Silver	109-1	492.63	511.90	516.46	507.00	2.49	ppb
Sodium	23-2	53606.38	50210.49	51261.92	51692.93	3.36	ppb
Strontium	86-1	466.36	495.14	500.27	487.26	3.75	ppb
Strontium	88-1	478.18	503.14	516.72	499.35	3.91	ppb
Sulfur	34-1	9315.89	9471.37	9549.94	9445.73	1.26	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	498.89	489.95	489.24	492.69	1.09	ppb
Thallium	205-1	485.58	480.59	493.89	486.69	1.38	ppb
Tin	118-1	481.16	497.15	514.02	497.44	3.30	ppb
Titanium	47-1	4876.02	5033.87	4957.25	4955.72	1.59	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BS	Instrumnet Name :	P7
Client Sample ID :	PB169323BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:56:16	DataFile Name :	041LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	467.02	472.26	463.55	467.61	0.94	ppb
Vanadium	51-2	506.13	482.17	491.20	493.17	2.45	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	5088.22	4990.02	4977.83	5018.69	1.21	ppb
Zirconium	90-1	473.81	492.66	501.50	489.32	2.89	ppb
Zirconium	91-1	471.27	490.97	507.94	490.06	3.75	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:58:59	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	942.37	936.63	924.50	934.50	0.98	ppb
Antimony	121-1	1.66	1.68	1.73	1.69	1.89	ppb
Arsenic	75-2	0.92	1.10	0.94	0.99	10.14	ppb
Barium	135-1	285.18	282.05	290.65	285.96	1.52	ppb
Barium	137-1	283.25	282.58	288.23	284.69	1.08	ppb
Beryllium	9-1	0.03	0.02	0.03	0.03	24.58	ppb
Bismuth	209-1				117		%
Bismuth	209-2				115		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	0.09	0.12	0.10	18.18	ppb
Cadmium	106-1	-2.48	-2.97	-3.27	-2.91		ppb
Cadmium	111-1	-0.13	-0.18	-0.20	-0.17		ppb
Calcium	43-1	84687.07	89213.31	90724.24	88208.21	3.56	ppb
Calcium	44-1	86435.64	90307.45	91230.35	89324.48	2.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.12	0.10	0.09	24.65	ppb
Cobalt	59-2	5.80	5.73	5.64	5.72	1.37	ppb
Copper	63-2	0.11	0.14	0.13	0.13	12.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				123		%
Indium	115-1				118		%
Indium	115-2				118		%
Iron	56-2	3993.21	4093.50	4006.72	4031.14	1.35	ppb
Iron	57-2	4593.05	4642.56	4542.77	4592.79	1.09	ppb
Iron	54-2	4199.15	4153.84	4092.98	4148.66	1.28	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:58:59	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.12	0.10	0.09	0.10	13.57	ppb
Lead	207-1	0.09	0.08	0.05	0.07	29.06	ppb
Lead	208-1	0.11	0.08	0.07	0.08	21.42	ppb
Lithium	6-1				119		%
Magnesium	24-2	9878.29	9749.10	9741.30	9789.56	0.79	ppb
Manganese	55-2	529.69	539.53	531.52	533.58	0.98	ppb
Molybdenum	94-1	32.74	33.20	33.03	32.99	0.71	ppb
Molybdenum	95-1	40.00	40.39	40.95	40.45	1.19	ppb
Molybdenum	96-1	40.12	39.71	39.74	39.86	0.58	ppb
Molybdenum	97-1	39.90	40.52	40.19	40.20	0.76	ppb
Molybdenum	98-1	39.94	40.33	39.99	40.08	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.90	11.18	10.86	10.98	1.58	ppb
Phosphorus	31-2	37.96	27.89	42.96	36.27	21.16	ppb
Potassium	39-2	20823.96	20814.46	20344.29	20660.91	1.33	ppb
Rhodium	103-1				116		%
Rhodium	103-2				117		%
Scandium	45-1				119		%
Scandium	45-2				118		%
Selenium	82-1	-0.52	0.42	0.02	-0.03		ppb
Selenium	77-2	0.04	-0.16	0.46	0.11	280.72	ppb
Selenium	78-2	-1.18	-1.26	-0.60	-1.02		ppb
Silicon	28-1	1508.24	1540.84	1569.10	1539.39	1.98	ppb
Silver	107-1	0.05	0.03	0.04	0.04	22.01	ppb
Silver	109-1	0.04	0.04	0.03	0.04	15.26	ppb
Sodium	23-2	22132.91	21770.12	22390.51	22097.85	1.41	ppb
Strontium	86-1	612.31	617.21	615.66	615.06	0.41	ppb
Strontium	88-1	633.91	637.72	620.44	630.69	1.44	ppb
Sulfur	34-1	57530.57	59335.70	59907.85	58924.71	2.11	ppb
Terbium	159-1				117		%
Terbium	159-2				116		%
Thallium	203-1	0.10	0.08	0.06	0.08	28.54	ppb
Thallium	205-1	0.08	0.09	0.07	0.08	7.94	ppb
Tin	118-1	0.24	0.20	0.17	0.20	17.12	ppb
Titanium	47-1	0.59	0.60	0.60	0.60	1.22	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:58:59	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.03	0.03	0.03	18.29	ppb
Vanadium	51-2	1.86	1.76	1.72	1.78	3.83	ppb
Yttrium	89-1				119		%
Yttrium	89-2				119		%
Zinc	66-2	0.33	0.00	-0.42	-0.03		ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	15.75	ppb
Zirconium	91-1	0.07	0.05	0.02	0.05	51.29	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01DUP	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325DU	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:02:09	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	926.25	927.40	926.79	926.81	0.06	ppb
Antimony	121-1	1.62	1.54	1.54	1.57	3.04	ppb
Arsenic	75-2	1.09	0.83	1.14	1.02	16.63	ppb
Barium	135-1	287.62	279.59	273.95	280.39	2.45	ppb
Barium	137-1	285.70	276.07	274.07	278.61	2.23	ppb
Beryllium	9-1	0.03	0.01	0.01	0.02	75.78	ppb
Bismuth	209-1				118		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.36	0.11	0.18	89.37	ppb
Cadmium	106-1	-3.30	-3.53	-3.70	-3.51		ppb
Cadmium	111-1	-0.21	-0.25	-0.24	-0.23		ppb
Calcium	43-1	87597.12	86913.14	88305.63	87605.30	0.79	ppb
Calcium	44-1	87815.21	88067.40	88124.74	88002.45	0.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.09	0.06	0.05	0.07	26.59	ppb
Cobalt	59-2	5.73	5.58	5.60	5.64	1.38	ppb
Copper	63-2	0.04	0.03	0.08	0.05	51.89	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				122		%
Holmium	165-2				123		%
Indium	115-1				121		%
Indium	115-2				120		%
Iron	56-2	3986.37	4008.50	4000.94	3998.60	0.28	ppb
Iron	57-2	4553.70	4539.49	4530.70	4541.30	0.26	ppb
Iron	54-2	4130.38	4086.05	4120.46	4112.30	0.57	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01DUP	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325DU	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:02:09	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.06	0.04	0.06	32.62	ppb
Lead	207-1	0.05	0.03	0.04	0.04	17.26	ppb
Lead	208-1	0.06	0.04	0.04	0.05	24.43	ppb
Lithium	6-1				121		%
Magnesium	24-2	9791.87	9936.69	9670.54	9799.70	1.36	ppb
Manganese	55-2	535.75	539.74	530.65	535.38	0.85	ppb
Molybdenum	94-1	31.92	31.86	30.98	31.58	1.67	ppb
Molybdenum	95-1	39.64	38.94	38.73	39.10	1.21	ppb
Molybdenum	96-1	39.26	39.04	38.16	38.82	1.50	ppb
Molybdenum	97-1	39.35	39.23	38.73	39.11	0.84	ppb
Molybdenum	98-1	38.85	38.93	39.10	38.96	0.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.20	10.78	10.93	10.97	1.91	ppb
Phosphorus	31-2	36.32	31.22	21.76	29.76	24.83	ppb
Potassium	39-2	20277.63	20445.76	20377.40	20366.93	0.42	ppb
Rhodium	103-1				118		%
Rhodium	103-2				118		%
Scandium	45-1				120		%
Scandium	45-2				121		%
Selenium	82-1	0.16	-0.53	0.02	-0.12		ppb
Selenium	77-2	0.64	0.44	0.45	0.51	22.09	ppb
Selenium	78-2	-3.02	-1.13	-1.58	-1.91		ppb
Silicon	28-1	1518.19	1551.24	1581.90	1550.44	2.05	ppb
Silver	107-1	0.00	0.00	0.01	0.01	43.56	ppb
Silver	109-1	0.01	0.01	0.01	0.01	15.73	ppb
Sodium	23-2	22303.76	22590.17	22092.53	22328.82	1.12	ppb
Strontium	86-1	608.50	604.18	597.53	603.40	0.92	ppb
Strontium	88-1	613.49	621.40	618.62	617.83	0.65	ppb
Sulfur	34-1	57466.36	59193.35	60074.48	58911.39	2.25	ppb
Terbium	159-1				121		%
Terbium	159-2				118		%
Thallium	203-1	0.03	0.03	0.04	0.04	20.46	ppb
Thallium	205-1	0.05	0.04	0.05	0.05	6.78	ppb
Tin	118-1	0.17	0.20	0.16	0.18	12.73	ppb
Titanium	47-1	0.48	0.53	0.54	0.52	6.17	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01DUP	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325DU	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:02:09	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.02	0.03	18.22	ppb
Vanadium	51-2	1.79	1.70	1.78	1.76	2.66	ppb
Yttrium	89-1				123		%
Yttrium	89-2				122		%
Zinc	66-2	-0.22	-0.16	-0.15	-0.18		ppb
Zirconium	90-1	0.01	0.02	0.01	0.01	19.50	ppb
Zirconium	91-1	0.03	0.02	0.01	0.02	29.30	ppb

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01LX5	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325L	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:05:17	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	182.82	189.59	186.31	186.24	1.82	ppb
Antimony	121-1	0.31	0.32	0.33	0.32	3.39	ppb
Arsenic	75-2	0.18	0.27	0.13	0.19	38.46	ppb
Barium	135-1	54.90	56.05	57.16	56.04	2.02	ppb
Barium	137-1	55.65	54.88	56.26	55.60	1.25	ppb
Beryllium	9-1	0.03	0.00	0.00	0.01	126.70	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.18	0.08	0.05	0.10	65.49	ppb
Cadmium	106-1	-3.50	-3.63	-1.70	-2.94		ppb
Cadmium	111-1	-0.24	-0.24	-0.12	-0.20		ppb
Calcium	43-1	18113.56	17923.16	17872.12	17969.62	0.71	ppb
Calcium	44-1	17256.33	17383.24	17202.64	17280.74	0.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.09	-0.07	-0.08	-0.08		ppb
Cobalt	59-2	1.10	1.08	1.12	1.10	2.18	ppb
Copper	63-2	-0.01	-0.05	0.01	-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				107		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	784.18	794.24	794.06	790.83	0.73	ppb
Iron	57-2	917.38	926.90	911.92	918.73	0.82	ppb
Iron	54-2	816.16	825.09	820.87	820.71	0.54	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01LX5	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325L	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:05:17	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.02	0.01	0.02	43.90	ppb
Lead	207-1	0.01	0.02	0.01	0.01	54.45	ppb
Lead	208-1	0.02	0.02	0.01	0.02	22.79	ppb
Lithium	6-1				106		%
Magnesium	24-2	1904.64	1914.84	1883.46	1900.98	0.84	ppb
Manganese	55-2	106.85	107.00	106.67	106.84	0.15	ppb
Molybdenum	94-1	6.20	6.42	6.50	6.37	2.38	ppb
Molybdenum	95-1	7.79	7.90	7.83	7.84	0.69	ppb
Molybdenum	96-1	7.60	7.75	7.93	7.76	2.09	ppb
Molybdenum	97-1	7.55	7.83	7.88	7.75	2.34	ppb
Molybdenum	98-1	7.42	7.84	7.75	7.67	2.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.23	2.14	2.13	2.17	2.51	ppb
Phosphorus	31-2	-27.10	-29.32	-24.35	-26.92		ppb
Potassium	39-2	3992.13	4061.03	4128.05	4060.40	1.67	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	-0.58	-0.26	-0.17	-0.34		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	-0.84	0.18	-0.23	-0.30		ppb
Silicon	28-1	313.91	304.84	308.96	309.24	1.47	ppb
Silver	107-1	0.00	0.00	0.00	0.00	30.12	ppb
Silver	109-1	0.01	0.00	0.01	0.01	60.12	ppb
Sodium	23-2	4436.07	4480.43	4321.60	4412.70	1.86	ppb
Strontium	86-1	118.44	122.62	121.82	120.96	1.83	ppb
Strontium	88-1	119.32	126.03	127.69	124.35	3.56	ppb
Sulfur	34-1	10022.43	9962.88	9963.17	9982.83	0.34	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.00	0.00	0.00	529.89	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	40.18	ppb
Tin	118-1	0.03	0.02	0.06	0.04	59.06	ppb
Titanium	47-1	0.10	0.15	0.08	0.11	32.53	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01LX5	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325L	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:05:17	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	103.07	ppb
Vanadium	51-2	0.36	0.34	0.35	0.35	2.83	ppb
Yttrium	89-1				107		%
Yttrium	89-2				107		%
Zinc	66-2	-0.14	-0.38	-0.02	-0.18		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	156.39	ppb
Zirconium	91-1	0.00	0.00	-0.01	0.00		ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MS	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:08:34	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9013.58	9563.90	8989.47	9188.98	3.54	ppb
Antimony	121-1	452.73	482.64	473.02	469.46	3.25	ppb
Arsenic	75-2	449.26	473.45	454.71	459.14	2.76	ppb
Barium	135-1	2307.72	2398.20	2363.38	2356.43	1.94	ppb
Barium	137-1	2311.59	2446.21	2394.16	2383.98	2.85	ppb
Beryllium	9-1	456.85	464.69	458.58	460.04	0.90	ppb
Bismuth	209-1				119		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	444.65	470.44	447.84	454.31	3.09	ppb
Cadmium	106-1	445.18	473.09	468.41	462.22	3.23	ppb
Cadmium	111-1	445.82	474.31	468.98	463.04	3.27	ppb
Calcium	43-1	123013.41	125030.54	128110.26	125384.74	2.05	ppb
Calcium	44-1	123851.69	122979.07	128276.28	125035.68	2.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	426.88	441.34	445.94	438.05	2.27	ppb
Cobalt	59-2	460.82	470.58	465.10	465.50	1.05	ppb
Copper	63-2	4133.30	4153.55	4222.42	4169.76	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				124		%
Holmium	165-2				125		%
Indium	115-1				122		%
Indium	115-2				123		%
Iron	56-2	24198.09	24866.45	24245.14	24436.56	1.53	ppb
Iron	57-2	25042.56	25082.96	23799.29	24641.61	2.96	ppb
Iron	54-2	24485.30	25282.85	24261.36	24676.50	2.18	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MS	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:08:34	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2216.95	2276.02	2343.71	2278.90	2.78	ppb
Lead	207-1	2189.62	2280.47	2367.93	2279.34	3.91	ppb
Lead	208-1	2212.17	2311.31	2345.88	2289.79	3.03	ppb
Lithium	6-1				122		%
Magnesium	24-2	54620.30	56451.38	54978.96	55350.21	1.75	ppb
Manganese	55-2	4635.59	4780.17	4699.18	4704.98	1.54	ppb
Molybdenum	94-1	2082.17	2126.86	2108.24	2105.76	1.07	ppb
Molybdenum	95-1	1642.87	1644.67	1654.09	1647.21	0.37	ppb
Molybdenum	96-1	1728.90	1718.71	1708.89	1718.83	0.58	ppb
Molybdenum	97-1	1615.52	1654.64	1679.01	1649.72	1.94	ppb
Molybdenum	98-1	1611.99	1646.78	1651.02	1636.60	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	451.10	458.15	460.00	456.42	1.03	ppb
Phosphorus	31-2	23.17	15.83	15.46	18.16	23.94	ppb
Potassium	39-2	38960.59	39508.89	38718.26	39062.58	1.04	ppb
Rhodium	103-1				118		%
Rhodium	103-2				120		%
Scandium	45-1				124		%
Scandium	45-2				124		%
Selenium	82-1	452.19	462.03	461.96	458.73	1.23	ppb
Selenium	77-2	455.05	483.00	461.46	466.50	3.14	ppb
Selenium	78-2	453.98	481.07	474.32	469.79	3.00	ppb
Silicon	28-1	1392.61	1415.02	1417.98	1408.54	0.98	ppb
Silver	107-1	74.29	78.65	77.00	76.65	2.87	ppb
Silver	109-1	73.00	76.57	75.83	75.13	2.51	ppb
Sodium	23-2	66220.37	67870.49	66295.02	66795.29	1.40	ppb
Strontium	86-1	1072.91	1102.03	1096.60	1090.51	1.42	ppb
Strontium	88-1	1077.81	1086.41	1090.91	1085.04	0.61	ppb
Sulfur	34-1	53490.44	52187.25	54358.79	53345.49	2.05	ppb
Terbium	159-1				121		%
Terbium	159-2				120		%
Thallium	203-1	440.89	467.48	457.18	455.19	2.94	ppb
Thallium	205-1	436.76	457.54	458.10	450.80	2.70	ppb
Tin	118-1	397.14	417.28	414.62	409.68	2.67	ppb
Titanium	47-1	2.11	2.05	2.06	2.07	1.58	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MS	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:08:34	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	422.08	417.86	428.26	422.73	1.24	ppb
Vanadium	51-2	450.84	469.75	466.68	462.43	2.19	ppb
Yttrium	89-1				125		%
Yttrium	89-2				122		%
Zinc	66-2	4134.96	4326.54	4158.43	4206.64	2.48	ppb
Zirconium	90-1	437.23	444.72	446.64	442.87	1.12	ppb
Zirconium	91-1	428.87	436.12	441.32	435.44	1.44	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MSD	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:11:17	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9138.82	9105.72	9256.05	9166.86	0.86	ppb
Antimony	121-1	467.92	478.07	471.98	472.66	1.08	ppb
Arsenic	75-2	462.49	449.45	465.14	459.03	1.83	ppb
Barium	135-1	2346.36	2388.34	2352.80	2362.50	0.96	ppb
Barium	137-1	2354.71	2373.01	2446.82	2391.51	2.04	ppb
Beryllium	9-1	455.00	452.68	464.13	457.27	1.32	ppb
Bismuth	209-1				118		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	444.20	460.73	464.30	456.41	2.35	ppb
Cadmium	106-1	460.50	464.65	472.08	465.74	1.26	ppb
Cadmium	111-1	463.29	466.35	479.87	469.83	1.88	ppb
Calcium	43-1	128114.00	132817.59	131953.30	130961.63	1.91	ppb
Calcium	44-1	127111.92	131299.27	129092.21	129167.80	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	452.35	443.62	452.19	449.39	1.11	ppb
Cobalt	59-2	475.13	461.65	471.45	469.41	1.48	ppb
Copper	63-2	4324.20	4158.04	4246.95	4243.06	1.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				124		%
Holmium	165-2				124		%
Indium	115-1				122		%
Indium	115-2				118		%
Iron	56-2	24410.87	24003.19	25073.51	24495.86	2.21	ppb
Iron	57-2	24848.81	25065.41	25808.17	25240.80	1.99	ppb
Iron	54-2	25353.83	24513.15	25515.21	25127.40	2.14	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MSD	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:11:17	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2239.90	2275.19	2276.10	2263.73	0.91	ppb
Lead	207-1	2210.78	2275.63	2261.67	2249.36	1.52	ppb
Lead	208-1	2228.03	2266.86	2280.54	2258.48	1.21	ppb
Lithium	6-1				121		%
Magnesium	24-2	56080.03	54700.51	57871.24	56217.26	2.83	ppb
Manganese	55-2	4722.52	4540.68	4821.69	4694.96	3.04	ppb
Molybdenum	94-1	2084.37	2120.81	2106.11	2103.76	0.87	ppb
Molybdenum	95-1	1631.63	1633.23	1680.66	1648.51	1.69	ppb
Molybdenum	96-1	1675.96	1723.68	1752.87	1717.50	2.26	ppb
Molybdenum	97-1	1622.91	1656.65	1641.10	1640.22	1.03	ppb
Molybdenum	98-1	1646.59	1662.37	1654.32	1654.43	0.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	473.78	468.13	469.11	470.34	0.64	ppb
Phosphorus	31-2	16.75	28.11	13.32	19.40	39.89	ppb
Potassium	39-2	41010.49	40754.87	41121.96	40962.44	0.46	ppb
Rhodium	103-1				119		%
Rhodium	103-2				118		%
Scandium	45-1				122		%
Scandium	45-2				122		%
Selenium	82-1	461.27	464.25	468.09	464.54	0.74	ppb
Selenium	77-2	467.53	465.14	486.53	473.07	2.48	ppb
Selenium	78-2	477.09	472.08	483.75	477.64	1.23	ppb
Silicon	28-1	1486.50	1504.86	1473.36	1488.24	1.06	ppb
Silver	107-1	76.87	77.99	79.10	77.99	1.43	ppb
Silver	109-1	75.67	76.65	76.95	76.43	0.88	ppb
Sodium	23-2	69118.89	67436.46	68604.29	68386.55	1.26	ppb
Strontium	86-1	1095.40	1124.45	1136.26	1118.70	1.88	ppb
Strontium	88-1	1093.37	1097.23	1118.37	1102.99	1.22	ppb
Sulfur	34-1	55772.67	55257.02	56507.24	55845.64	1.13	ppb
Terbium	159-1				120		%
Terbium	159-2				118		%
Thallium	203-1	438.03	454.02	443.13	445.06	1.84	ppb
Thallium	205-1	447.78	452.67	445.44	448.63	0.82	ppb
Tin	118-1	408.91	414.05	417.37	413.45	1.03	ppb
Titanium	47-1	2.06	2.04	2.04	2.05	0.48	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MSD	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:11:17	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	424.56	434.84	429.30	429.57	1.20	ppb
Vanadium	51-2	469.85	463.04	476.09	469.66	1.39	ppb
Yttrium	89-1				124		%
Yttrium	89-2				123		%
Zinc	66-2	4357.34	4273.91	4175.73	4268.99	2.13	ppb
Zirconium	90-1	439.52	454.32	457.01	450.28	2.09	ppb
Zirconium	91-1	430.69	443.49	447.51	440.56	1.99	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01A	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325A	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:14:04	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9556.91	9234.69	9481.28	9424.29	1.79	ppb
Antimony	121-1	470.15	472.60	477.43	473.39	0.78	ppb
Arsenic	75-2	469.54	450.19	459.65	459.79	2.10	ppb
Barium	135-1	2394.68	2343.74	2378.54	2372.32	1.10	ppb
Barium	137-1	2366.59	2358.22	2376.96	2367.26	0.40	ppb
Beryllium	9-1	448.40	460.92	459.88	456.40	1.52	ppb
Bismuth	209-1				121		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	457.13	459.51	462.20	459.61	0.55	ppb
Cadmium	106-1	456.72	459.90	470.27	462.30	1.53	ppb
Cadmium	111-1	467.42	470.74	476.36	471.51	0.96	ppb
Calcium	43-1	123446.86	123249.59	129373.75	125356.73	2.78	ppb
Calcium	44-1	126157.25	127114.16	128183.05	127151.49	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	457.43	447.02	440.13	448.19	1.94	ppb
Cobalt	59-2	463.19	456.86	478.52	466.19	2.39	ppb
Copper	63-2	4308.91	4209.26	4310.73	4276.30	1.36	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				125		%
Holmium	165-2				123		%
Indium	115-1				123		%
Indium	115-2				119		%
Iron	56-2	24583.30	24234.03	25065.59	24627.64	1.70	ppb
Iron	57-2	25684.15	24150.88	25735.00	25190.01	3.57	ppb
Iron	54-2	25636.69	24586.51	25988.54	25403.91	2.87	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01A	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325A	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:14:04	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2268.20	2236.61	2261.64	2255.49	0.74	ppb
Lead	207-1	2274.27	2160.28	2264.97	2233.17	2.83	ppb
Lead	208-1	2244.45	2216.52	2288.54	2249.84	1.61	ppb
Lithium	6-1				121		%
Magnesium	24-2	57991.83	56624.95	57185.43	57267.40	1.20	ppb
Manganese	55-2	4795.14	4749.18	4856.68	4800.33	1.12	ppb
Molybdenum	94-1	2111.51	2083.10	2158.24	2117.62	1.79	ppb
Molybdenum	95-1	1636.52	1640.87	1700.62	1659.34	2.16	ppb
Molybdenum	96-1	1689.26	1680.22	1766.14	1711.87	2.76	ppb
Molybdenum	97-1	1622.15	1624.28	1697.30	1647.91	2.60	ppb
Molybdenum	98-1	1649.90	1640.30	1701.30	1663.84	1.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	464.21	468.58	469.38	467.39	0.59	ppb
Phosphorus	31-2	22.13	38.98	35.56	32.22	27.65	ppb
Potassium	39-2	40677.51	40571.21	41638.17	40962.30	1.43	ppb
Rhodium	103-1				119		%
Rhodium	103-2				119		%
Scandium	45-1				123		%
Scandium	45-2				122		%
Selenium	82-1	457.21	460.90	474.61	464.24	1.97	ppb
Selenium	77-2	476.69	451.31	464.73	464.25	2.74	ppb
Selenium	78-2	490.20	486.39	461.98	479.52	3.19	ppb
Silicon	28-1	1424.87	1501.33	1499.83	1475.34	2.96	ppb
Silver	107-1	77.53	77.46	78.57	77.86	0.80	ppb
Silver	109-1	75.40	76.06	77.47	76.31	1.38	ppb
Sodium	23-2	70562.44	67035.45	67408.66	68335.51	2.84	ppb
Strontium	86-1	1078.79	1074.80	1140.32	1097.97	3.35	ppb
Strontium	88-1	1104.57	1097.83	1152.15	1118.18	2.65	ppb
Sulfur	34-1	54715.42	54556.33	56991.91	55421.22	2.46	ppb
Terbium	159-1				121		%
Terbium	159-2				121		%
Thallium	203-1	447.89	442.56	452.36	447.61	1.10	ppb
Thallium	205-1	438.16	442.73	443.16	441.35	0.63	ppb
Tin	118-1	408.30	401.95	415.84	408.70	1.70	ppb
Titanium	47-1	2.08	2.06	2.12	2.09	1.61	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01A	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325A	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:14:04	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	421.59	418.96	433.38	424.64	1.81	ppb
Vanadium	51-2	480.85	476.08	466.27	474.40	1.57	ppb
Yttrium	89-1				125		%
Yttrium	89-2				123		%
Zinc	66-2	4389.56	4183.47	4425.31	4332.78	3.01	ppb
Zirconium	90-1	432.72	439.51	448.97	440.40	1.85	ppb
Zirconium	91-1	430.67	439.83	447.48	439.33	1.92	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:32:14	DataFile Name :	048CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48174.93	48381.14	48257.10	48271.06	0.22	ppb
Antimony	121-1	501.69	502.76	500.79	501.75	0.20	ppb
Arsenic	75-2	502.48	505.81	512.54	506.94	1.01	ppb
Barium	135-1	2558.23	2550.65	2582.54	2563.81	0.65	ppb
Barium	137-1	2539.21	2553.26	2587.88	2560.12	0.98	ppb
Beryllium	9-1	522.98	539.75	530.24	530.99	1.58	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	507.43	501.86	497.07	502.12	1.03	ppb
Cadmium	106-1	486.15	489.51	490.75	488.80	0.49	ppb
Cadmium	111-1	493.13	495.85	496.20	495.06	0.34	ppb
Calcium	43-1	240128.36	242171.80	239953.97	240751.38	0.51	ppb
Calcium	44-1	243072.76	244670.13	243861.78	243868.22	0.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	504.54	523.72	508.28	512.18	1.98	ppb
Cobalt	59-2	492.91	520.07	507.43	506.80	2.68	ppb
Copper	63-2	4936.22	5041.40	5052.10	5009.91	1.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				100		%
Iron	56-2	125268.19	125164.27	125282.70	125238.39	0.05	ppb
Iron	57-2	120357.81	125847.39	121231.61	122478.94	2.41	ppb
Iron	54-2	119350.79	126886.71	125965.66	124067.72	3.31	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:32:14	DataFile Name :	048CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2543.38	2589.58	2495.62	2542.86	1.85	ppb
Lead	207-1	2548.01	2519.67	2460.56	2509.41	1.78	ppb
Lead	208-1	2568.24	2545.80	2516.40	2543.48	1.02	ppb
Lithium	6-1				103		%
Magnesium	24-2	248684.39	259210.35	255295.62	254396.79	2.09	ppb
Manganese	55-2	4984.20	5136.79	5170.06	5097.02	1.94	ppb
Molybdenum	94-1	4977.01	5073.40	5078.39	5042.93	1.13	ppb
Molybdenum	95-1	5133.57	5048.31	5103.11	5094.99	0.85	ppb
Molybdenum	96-1	5036.42	5128.82	5014.55	5059.93	1.20	ppb
Molybdenum	97-1	4910.38	5154.76	5051.05	5038.73	2.43	ppb
Molybdenum	98-1	4944.36	5174.47	5110.10	5076.31	2.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	487.81	502.63	502.86	497.77	1.73	ppb
Phosphorus	31-2	10169.67	10442.27	10230.52	10280.82	1.39	ppb
Potassium	39-2	122344.06	126822.08	125574.94	124913.69	1.85	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	470.31	487.15	490.32	482.59	2.23	ppb
Selenium	77-2	496.31	500.82	494.33	497.15	0.67	ppb
Selenium	78-2	489.13	507.63	505.10	500.62	2.00	ppb
Silicon	28-1	540.84	536.39	520.35	532.53	2.02	ppb
Silver	107-1	505.97	508.61	506.95	507.18	0.26	ppb
Silver	109-1	490.71	510.19	505.97	502.29	2.04	ppb
Sodium	23-2	246298.38	254998.42	255666.69	252321.17	2.07	ppb
Strontium	86-1	490.51	503.03	503.53	499.02	1.48	ppb
Strontium	88-1	508.53	519.08	515.11	514.24	1.04	ppb
Sulfur	34-1	9736.97	9658.14	9321.36	9572.16	2.31	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	520.27	518.55	497.56	512.12	2.47	ppb
Thallium	205-1	498.49	504.60	502.70	501.93	0.62	ppb
Tin	118-1	504.06	501.33	509.22	504.87	0.79	ppb
Titanium	47-1	5031.99	5169.86	4982.96	5061.60	1.91	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:32:14	DataFile Name :	048CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	489.07	489.63	502.87	493.85	1.58	ppb
Vanadium	51-2	493.59	520.87	514.15	509.54	2.79	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	4795.86	4891.56	4909.85	4865.76	1.26	ppb
Zirconium	90-1	505.03	524.44	509.82	513.10	1.97	ppb
Zirconium	91-1	495.31	509.23	502.39	502.31	1.39	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:34:59	DataFile Name :	049CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.79	0.16	0.20	-0.14		ppb
Antimony	121-1	0.16	0.16	0.13	0.15	12.56	ppb
Arsenic	75-2	0.01	0.01	0.04	0.02	79.19	ppb
Barium	135-1	0.03	0.03	0.00	0.02	96.56	ppb
Barium	137-1	0.03	0.02	0.01	0.02	31.99	ppb
Beryllium	9-1	0.00	0.01	0.02	0.01	76.98	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.17	-0.05	0.04	311.62	ppb
Cadmium	106-1	-4.26	-2.84	-4.59	-3.90		ppb
Cadmium	111-1	-0.26	-0.17	-0.29	-0.24		ppb
Calcium	43-1	-0.17	-8.53	-0.15	-2.95		ppb
Calcium	44-1	-12.19	-13.88	-11.56	-12.54		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.07	-0.09	-0.12	-0.09		ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	197.13	ppb
Copper	63-2	0.08	0.07	0.12	0.09	26.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	0.87	0.77	0.76	0.80	7.62	ppb
Iron	57-2	1.40	-0.81	-0.11	0.16	703.00	ppb
Iron	54-2	-0.85	-1.53	-0.88	-1.09		ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:34:59	DataFile Name :	049CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.06	0.07	0.06	17.64	ppb
Lead	207-1	0.09	0.05	0.06	0.06	30.03	ppb
Lead	208-1	0.06	0.05	0.05	0.06	11.78	ppb
Lithium	6-1				100		%
Magnesium	24-2	2.37	2.23	1.71	2.10	16.49	ppb
Manganese	55-2	0.03	0.04	-0.02	0.02	219.94	ppb
Molybdenum	94-1	0.23	0.20	0.20	0.21	8.42	ppb
Molybdenum	95-1	0.22	0.21	0.20	0.21	5.98	ppb
Molybdenum	96-1	0.31	0.16	0.17	0.21	39.70	ppb
Molybdenum	97-1	0.24	0.17	0.18	0.20	21.64	ppb
Molybdenum	98-1	0.22	0.17	0.18	0.19	12.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	0.05	0.02	130.48	ppb
Phosphorus	31-2	-37.12	-47.82	-45.02	-43.32		ppb
Potassium	39-2	10.02	6.88	7.92	8.27	19.35	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	0.14	-0.56	-0.36	-0.26		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	-0.69	-0.01	-1.05	-0.59		ppb
Silicon	28-1	-1.73	-2.53	-1.69	-1.98		ppb
Silver	107-1	0.06	0.04	0.05	0.05	19.93	ppb
Silver	109-1	0.05	0.04	0.04	0.04	17.84	ppb
Sodium	23-2	51.09	48.45	48.81	49.45	2.89	ppb
Strontium	86-1	-0.04	-0.04	-0.02	-0.03		ppb
Strontium	88-1	0.02	0.01	0.01	0.01	40.61	ppb
Sulfur	34-1	-605.80	-496.33	-342.19	-481.44		ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.05	0.05	0.04	0.04	9.69	ppb
Thallium	205-1	0.04	0.05	0.05	0.05	15.40	ppb
Tin	118-1	0.00	-0.02	-0.02	-0.01		ppb
Titanium	47-1	0.03	0.06	0.01	0.03	66.50	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:34:59	DataFile Name :	049CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.00	0.00	0.01	118.22	ppb
Vanadium	51-2	-0.01	0.00	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	-1.42	-1.01	-1.16	-1.20		ppb
Zirconium	90-1	0.03	0.05	0.04	0.04	17.77	ppb
Zirconium	91-1	0.04	0.06	0.04	0.05	18.10	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-02	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:39:06	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	361.96	359.54	353.79	358.43	1.17	ppb
Antimony	121-1	1.56	1.57	1.60	1.58	1.47	ppb
Arsenic	75-2	0.48	0.56	0.72	0.59	21.20	ppb
Barium	135-1	252.75	252.85	255.16	253.59	0.54	ppb
Barium	137-1	253.54	253.38	254.50	253.80	0.24	ppb
Beryllium	9-1	0.01	0.01	0.00	0.01	113.29	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.13	0.10	0.14	0.12	15.01	ppb
Cadmium	106-1	-3.21	-4.20	-4.59	-4.00		ppb
Cadmium	111-1	-0.20	-0.28	-0.30	-0.26		ppb
Calcium	43-1	84849.67	82578.82	81698.72	83042.41	1.96	ppb
Calcium	44-1	84706.23	84758.17	85137.94	84867.45	0.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.08	0.04	0.10	0.07	42.77	ppb
Cobalt	59-2	0.20	0.21	0.20	0.20	2.44	ppb
Copper	63-2	0.02	0.03	0.00	0.02	73.94	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				112		%
Holmium	165-2				116		%
Indium	115-1				114		%
Indium	115-2				115		%
Iron	56-2	34.65	33.97	33.84	34.16	1.27	ppb
Iron	57-2	511.09	502.92	514.57	509.53	1.17	ppb
Iron	54-2	31.99	31.37	31.79	31.72	1.00	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-02	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:39:06	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.08	0.03	0.05	46.19	ppb
Lead	207-1	0.04	0.02	0.02	0.03	37.54	ppb
Lead	208-1	0.05	0.05	0.04	0.04	12.49	ppb
Lithium	6-1				112		%
Magnesium	24-2	8048.30	7890.02	7918.38	7952.23	1.06	ppb
Manganese	55-2	58.96	57.22	57.62	57.93	1.57	ppb
Molybdenum	94-1	36.20	36.73	36.81	36.58	0.90	ppb
Molybdenum	95-1	44.65	45.12	44.88	44.88	0.53	ppb
Molybdenum	96-1	43.89	44.36	44.19	44.15	0.54	ppb
Molybdenum	97-1	44.60	44.67	44.90	44.72	0.35	ppb
Molybdenum	98-1	44.52	44.56	44.76	44.61	0.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.92	4.77	4.93	4.87	1.87	ppb
Phosphorus	31-2	-8.20	-22.75	-20.75	-17.24		ppb
Potassium	39-2	20392.90	19885.14	20542.18	20273.41	1.70	ppb
Rhodium	103-1				112		%
Rhodium	103-2				112		%
Scandium	45-1				115		%
Scandium	45-2				114		%
Selenium	82-1	0.71	-0.11	0.18	0.26	158.43	ppb
Selenium	77-2	0.48	-0.16	0.05	0.12	270.61	ppb
Selenium	78-2	-0.34	0.15	-0.42	-0.20		ppb
Silicon	28-1	1263.33	1235.18	1234.45	1244.32	1.32	ppb
Silver	107-1	0.00	0.00	0.01	0.01	33.88	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.08	ppb
Sodium	23-2	21811.02	20869.40	21140.73	21273.72	2.28	ppb
Strontium	86-1	560.58	567.73	574.75	567.69	1.25	ppb
Strontium	88-1	587.39	587.37	595.70	590.15	0.81	ppb
Sulfur	34-1	53895.32	54565.79	53966.09	54142.40	0.68	ppb
Terbium	159-1				111		%
Terbium	159-2				113		%
Thallium	203-1	0.04	0.04	0.06	0.05	26.33	ppb
Thallium	205-1	0.06	0.05	0.04	0.05	22.66	ppb
Tin	118-1	0.11	0.08	0.07	0.09	20.77	ppb
Titanium	47-1	0.27	0.17	0.19	0.21	25.78	ppb

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-02	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:39:06	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	108.55	ppb
Vanadium	51-2	0.19	0.20	0.17	0.19	6.62	ppb
Yttrium	89-1				115		%
Yttrium	89-2				116		%
Zinc	66-2	-1.89	-1.77	-1.76	-1.81		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	38.16	ppb
Zirconium	91-1	0.01	0.03	0.01	0.01	92.66	ppb

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-01DLX5	Instrumnet Name :	P7
Client Sample ID :	60296DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:42:16	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.17	7.68	6.69	7.18	6.89	ppb
Antimony	121-1	0.03	0.02	0.03	0.03	13.67	ppb
Arsenic	75-2	0.40	0.49	0.52	0.47	13.81	ppb
Barium	135-1	1.81	1.80	1.62	1.75	6.23	ppb
Barium	137-1	1.84	1.79	1.74	1.79	2.76	ppb
Beryllium	9-1	0.03	-0.01	0.01	0.01	152.10	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	0.06	0.02	0.06	78.92	ppb
Cadmium	106-1	-3.44	-4.07	-3.85	-3.79		ppb
Cadmium	111-1	-0.24	-0.28	-0.26	-0.26		ppb
Calcium	43-1	881.93	929.21	885.83	898.99	2.92	ppb
Calcium	44-1	893.31	959.09	904.78	919.06	3.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.11	0.14	0.10	53.89	ppb
Cobalt	59-2	0.17	0.17	0.19	0.18	5.37	ppb
Copper	63-2	0.76	0.74	0.86	0.79	8.20	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				105		%
Holmium	165-2				109		%
Indium	115-1				105		%
Indium	115-2				109		%
Iron	56-2	17933.42	18074.71	18693.32	18233.82	2.22	ppb
Iron	57-2	18216.85	18500.06	18715.86	18477.59	1.35	ppb
Iron	54-2	18135.10	17825.85	18174.68	18045.21	1.06	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-01DLX5	Instrumnet Name :	P7
Client Sample ID :	60296DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:42:16	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.05	0.05	0.06	23.72	ppb
Lead	207-1	0.04	0.03	0.03	0.04	15.94	ppb
Lead	208-1	0.05	0.03	0.03	0.04	36.18	ppb
Lithium	6-1				102		%
Magnesium	24-2	166.91	168.97	169.54	168.48	0.82	ppb
Manganese	55-2	970.85	993.05	996.13	986.67	1.40	ppb
Molybdenum	94-1	0.22	0.19	0.19	0.20	7.78	ppb
Molybdenum	95-1	0.08	0.08	0.09	0.08	5.77	ppb
Molybdenum	96-1	0.17	0.17	0.16	0.17	1.39	ppb
Molybdenum	97-1	0.02	0.01	0.04	0.02	72.51	ppb
Molybdenum	98-1	0.03	0.06	0.04	0.04	36.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.30	1.40	1.36	1.36	3.66	ppb
Phosphorus	31-2	-44.00	-28.64	-41.18	-37.94		ppb
Potassium	39-2	233.91	233.39	237.98	235.09	1.07	ppb
Rhodium	103-1				103		%
Rhodium	103-2				108		%
Scandium	45-1				104		%
Scandium	45-2				107		%
Selenium	82-1	0.24	0.96	2.47	1.22	92.98	ppb
Selenium	77-2	1.39	2.59	3.06	2.35	36.66	ppb
Selenium	78-2	1.33	0.96	4.92	2.41	90.98	ppb
Silicon	28-1	32.09	39.57	36.99	36.22	10.49	ppb
Silver	107-1	0.00	0.01	0.01	0.01	62.72	ppb
Silver	109-1	0.01	0.01	0.01	0.01	26.23	ppb
Sodium	23-2	1651.93	1644.35	1673.10	1656.46	0.90	ppb
Strontium	86-1	3.71	3.71	3.64	3.69	1.09	ppb
Strontium	88-1	3.83	3.83	3.69	3.78	2.11	ppb
Sulfur	34-1	-781.11	-407.37	-649.63	-612.71		ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	-0.01	0.00	0.01	0.00		ppb
Tin	118-1	0.09	0.11	0.12	0.11	11.80	ppb
Titanium	47-1	0.00	0.04	0.02	0.02	93.03	ppb

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-01DLX5	Instrumnet Name :	P7
Client Sample ID :	60296DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:42:16	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	34.83	ppb
Yttrium	89-1				104		%
Yttrium	89-2				108		%
Zinc	66-2	2.30	2.82	2.15	2.43	14.44	ppb
Zirconium	90-1	0.09	0.08	0.08	0.09	6.15	ppb
Zirconium	91-1	0.08	0.07	0.06	0.07	14.81	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DLX5	Instrumnet Name :	P7
Client Sample ID :	60295DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:45:30	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	64.87	69.44	65.18	66.50	3.84	ppb
Antimony	121-1	1.55	1.57	1.57	1.56	0.72	ppb
Arsenic	75-2	27.83	29.10	29.33	28.75	2.81	ppb
Barium	135-1	1.12	1.34	1.24	1.24	8.87	ppb
Barium	137-1	1.26	1.38	1.30	1.31	4.56	ppb
Beryllium	9-1	0.11	0.07	0.08	0.09	24.95	ppb
Bismuth	209-1				119		%
Bismuth	209-2				126		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.17	0.17	0.17	0.17	0.24	ppb
Cadmium	106-1	-3.01	-2.19	-3.47	-2.89		ppb
Cadmium	111-1	-0.10	0.00	-0.11	-0.07		ppb
Calcium	43-1	7202.67	7119.40	7223.08	7181.72	0.76	ppb
Calcium	44-1	7473.62	7566.85	7846.21	7628.89	2.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.56	5.83	5.61	5.67	2.52	ppb
Cobalt	59-2	1.11	1.16	1.07	1.11	4.29	ppb
Copper	63-2	2.98	3.06	2.89	2.98	2.94	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				122		%
Holmium	165-2				130		%
Indium	115-1				123		%
Indium	115-2				128		%
Iron	56-2	315726.38	320680.21	311789.45	316065.34	1.41	ppb
Iron	57-2	308605.31	319618.74	316117.28	314780.44	1.79	ppb
Iron	54-2	318783.17	324390.58	313628.06	318933.94	1.69	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DLX5	Instrumnet Name :	P7
Client Sample ID :	60295DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:45:30	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.97	0.97	1.01	0.98	2.41	ppb
Lead	207-1	1.02	0.90	0.95	0.96	6.27	ppb
Lead	208-1	0.98	0.94	0.98	0.97	2.28	ppb
Lithium	6-1				120		%
Magnesium	24-2	1229.52	1254.15	1216.39	1233.36	1.55	ppb
Manganese	55-2	18375.06	18919.58	18328.58	18541.07	1.77	ppb
Molybdenum	94-1	7.65	7.65	7.77	7.69	0.88	ppb
Molybdenum	95-1	9.27	9.24	9.42	9.31	1.08	ppb
Molybdenum	96-1	10.82	10.92	11.21	10.99	1.82	ppb
Molybdenum	97-1	9.02	9.03	9.02	9.02	0.05	ppb
Molybdenum	98-1	8.82	8.86	8.88	8.85	0.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.43	8.73	8.40	8.52	2.12	ppb
Phosphorus	31-2	-19.14	-4.54	-14.57	-12.75		ppb
Potassium	39-2	1695.99	1733.30	1706.27	1711.86	1.13	ppb
Rhodium	103-1				122		%
Rhodium	103-2				129		%
Scandium	45-1				122		%
Scandium	45-2				131		%
Selenium	82-1	53.09	63.19	69.49	61.92	13.36	ppb
Selenium	77-2	69.42	85.01	80.19	78.21	10.21	ppb
Selenium	78-2	74.27	77.50	77.39	76.39	2.40	ppb
Silicon	28-1	421.52	449.94	483.42	451.63	6.86	ppb
Silver	107-1	0.04	0.05	0.05	0.05	14.18	ppb
Silver	109-1	0.05	0.05	0.05	0.05	4.65	ppb
Sodium	23-2	11376.93	11393.42	11341.00	11370.45	0.24	ppb
Strontium	86-1	23.61	23.50	23.48	23.53	0.29	ppb
Strontium	88-1	23.71	23.64	23.97	23.77	0.73	ppb
Sulfur	34-1	-220.93	-503.68	-421.23	-381.95		ppb
Terbium	159-1				120		%
Terbium	159-2				128		%
Thallium	203-1	0.18	0.21	0.23	0.21	11.11	ppb
Thallium	205-1	0.16	0.22	0.25	0.21	20.72	ppb
Tin	118-1	0.45	0.44	0.47	0.45	3.30	ppb
Titanium	47-1	0.73	0.75	0.80	0.76	4.37	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DLX5	Instrumnet Name :	P7
Client Sample ID :	60295DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:45:30	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.05	0.04	0.04	0.04	14.45	ppb
Vanadium	51-2	0.25	0.26	0.24	0.25	2.95	ppb
Yttrium	89-1				124		%
Yttrium	89-2				130		%
Zinc	66-2	25.15	25.08	23.76	24.66	3.17	ppb
Zirconium	90-1	0.14	0.15	0.15	0.14	0.98	ppb
Zirconium	91-1	0.16	0.16	0.14	0.16	9.14	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DLX5	Instrumnet Name :	P7
Client Sample ID :	60272DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:48:39	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1811.63	1746.78	1743.44	1767.28	2.18	ppb
Antimony	121-1	3.91	4.09	3.90	3.97	2.69	ppb
Arsenic	75-2	70.77	73.23	76.71	73.57	4.06	ppb
Barium	135-1	0.86	0.84	0.69	0.79	11.86	ppb
Barium	137-1	0.82	0.87	0.80	0.83	4.73	ppb
Beryllium	9-1	0.11	0.10	0.10	0.10	7.54	ppb
Bismuth	209-1				107		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.38	0.32	0.18	0.29	34.03	ppb
Cadmium	106-1	-2.28	-2.49	-2.79	-2.52		ppb
Cadmium	111-1	-0.02	-0.08	-0.08	-0.06		ppb
Calcium	43-1	612.68	635.56	598.60	615.61	3.03	ppb
Calcium	44-1	1099.74	1127.97	1064.70	1097.47	2.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.47	12.50	12.60	12.52	0.54	ppb
Cobalt	59-2	2.34	2.16	2.20	2.23	4.15	ppb
Copper	63-2	13.05	12.53	12.58	12.72	2.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				118		%
Indium	115-1				112		%
Indium	115-2				116		%
Iron	56-2	20809.73	20097.09	20454.93	20453.92	1.74	ppb
Iron	57-2	20638.46	20134.39	19813.17	20195.34	2.06	ppb
Iron	54-2	20817.06	20676.12	20743.79	20745.66	0.34	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DLX5	Instrumnet Name :	P7
Client Sample ID :	60272DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:48:39	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.67	0.64	0.66	0.66	2.49	ppb
Lead	207-1	0.61	0.62	0.67	0.63	5.17	ppb
Lead	208-1	0.66	0.65	0.66	0.65	0.83	ppb
Lithium	6-1				112		%
Magnesium	24-2	650.43	642.39	650.22	647.68	0.71	ppb
Manganese	55-2	848.89	840.66	859.33	849.63	1.10	ppb
Molybdenum	94-1	13.57	14.19	13.57	13.77	2.60	ppb
Molybdenum	95-1	16.71	16.87	16.48	16.69	1.16	ppb
Molybdenum	96-1	16.44	16.51	16.82	16.59	1.21	ppb
Molybdenum	97-1	16.55	17.06	16.36	16.66	2.19	ppb
Molybdenum	98-1	16.11	16.70	16.44	16.42	1.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.43	15.16	15.24	15.28	0.91	ppb
Phosphorus	31-2	1089.10	1048.39	1139.53	1092.34	4.18	ppb
Potassium	39-2	295347.97	298821.94	300635.73	298268.55	0.90	ppb
Rhodium	103-1				111		%
Rhodium	103-2				115		%
Scandium	45-1				114		%
Scandium	45-2				118		%
Selenium	82-1	59.00	70.25	73.56	67.60	11.29	ppb
Selenium	77-2	76.42	83.99	80.85	80.42	4.73	ppb
Selenium	78-2	78.27	76.07	78.21	77.52	1.62	ppb
Silicon	28-1	479.54	508.25	485.37	491.05	3.09	ppb
Silver	107-1	0.05	0.04	0.05	0.05	8.28	ppb
Silver	109-1	0.05	0.05	0.05	0.05	2.94	ppb
Sodium	23-2	8564.29	8333.91	8516.76	8471.65	1.44	ppb
Strontium	86-1	1.25	1.26	1.15	1.22	4.73	ppb
Strontium	88-1	1.25	1.33	1.27	1.28	3.24	ppb
Sulfur	34-1	15133.42	15580.42	14815.34	15176.39	2.53	ppb
Terbium	159-1				112		%
Terbium	159-2				115		%
Thallium	203-1	0.22	0.21	0.26	0.23	10.65	ppb
Thallium	205-1	0.23	0.24	0.25	0.24	3.49	ppb
Tin	118-1	0.38	0.42	0.37	0.39	6.61	ppb
Titanium	47-1	1.42	1.42	1.39	1.41	1.06	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DLX5	Instrumnet Name :	P7
Client Sample ID :	60272DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:48:39	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.05	0.04	0.04	0.04	18.31	ppb
Vanadium	51-2	0.81	0.80	0.85	0.82	3.34	ppb
Yttrium	89-1				115		%
Yttrium	89-2				119		%
Zinc	66-2	29.68	28.63	28.18	28.83	2.66	ppb
Zirconium	90-1	0.16	0.16	0.16	0.16	2.38	ppb
Zirconium	91-1	0.19	0.17	0.19	0.18	7.08	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2906-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3409DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:51:53	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	152.72	151.63	162.97	155.77	4.02	ppb
Antimony	121-1	5.16	5.13	5.07	5.12	0.90	ppb
Arsenic	75-2	1.98	2.25	1.86	2.03	9.94	ppb
Barium	135-1	19.69	19.37	19.61	19.56	0.83	ppb
Barium	137-1	18.82	18.94	18.51	18.76	1.17	ppb
Beryllium	9-1	0.06	0.02	0.04	0.04	49.23	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.70	0.15	0.38	0.41	68.01	ppb
Cadmium	106-1	-1.91	-3.09	-2.81	-2.60		ppb
Cadmium	111-1	0.14	0.04	0.12	0.10	57.49	ppb
Calcium	43-1	12089.78	12091.75	12009.62	12063.72	0.39	ppb
Calcium	44-1	12127.88	11916.22	11861.49	11968.53	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.04	1.10	1.00	1.05	4.96	ppb
Cobalt	59-2	0.71	0.75	0.69	0.72	4.65	ppb
Copper	63-2	29.29	28.93	29.25	29.16	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				111		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				111		%
Iron	56-2	1645.59	1620.66	1653.25	1639.83	1.04	ppb
Iron	57-2	1738.67	1722.42	1742.85	1734.64	0.62	ppb
Iron	54-2	1701.91	1690.97	1705.65	1699.51	0.45	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2906-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3409DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:51:53	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	45.36	46.58	44.33	45.43	2.48	ppb
Lead	207-1	40.32	40.54	39.58	40.15	1.26	ppb
Lead	208-1	41.93	42.29	40.84	41.69	1.82	ppb
Lithium	6-1				108		%
Magnesium	24-2	1886.22	1879.21	1901.40	1888.94	0.60	ppb
Manganese	55-2	58.15	57.76	57.49	57.80	0.58	ppb
Molybdenum	94-1	4.41	4.56	4.49	4.49	1.61	ppb
Molybdenum	95-1	5.40	5.63	5.15	5.39	4.43	ppb
Molybdenum	96-1	5.15	5.26	5.10	5.17	1.54	ppb
Molybdenum	97-1	5.14	5.32	5.13	5.20	2.07	ppb
Molybdenum	98-1	5.28	5.53	5.29	5.37	2.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.52	3.50	3.34	3.45	2.91	ppb
Phosphorus	31-2	139.88	125.66	131.45	132.33	5.40	ppb
Potassium	39-2	4889.27	4941.34	4942.19	4924.27	0.62	ppb
Rhodium	103-1				107		%
Rhodium	103-2				109		%
Scandium	45-1				113		%
Scandium	45-2				111		%
Selenium	82-1	15.91	15.33	12.46	14.57	12.70	ppb
Selenium	77-2	10.84	11.66	13.19	11.90	10.03	ppb
Selenium	78-2	13.65	14.58	10.51	12.91	16.50	ppb
Silicon	28-1	286.43	277.65	262.49	275.52	4.39	ppb
Silver	107-1	0.08	0.06	0.08	0.07	12.00	ppb
Silver	109-1	0.07	0.07	0.06	0.07	10.11	ppb
Sodium	23-2	22722.83	22200.94	22576.34	22500.04	1.20	ppb
Strontium	86-1	50.98	52.14	50.17	51.10	1.93	ppb
Strontium	88-1	50.90	51.61	50.26	50.92	1.32	ppb
Sulfur	34-1	4363.52	4700.49	4410.71	4491.58	4.06	ppb
Terbium	159-1				104		%
Terbium	159-2				110		%
Thallium	203-1	0.07	0.10	0.04	0.07	36.70	ppb
Thallium	205-1	0.07	0.07	0.04	0.06	27.48	ppb
Tin	118-1	0.32	0.32	0.30	0.31	4.18	ppb
Titanium	47-1	5.55	5.77	5.42	5.58	3.14	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2906-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3409DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:51:53	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.03	0.03	0.04	11.43	ppb
Vanadium	51-2	2.21	2.13	2.29	2.21	3.67	ppb
Yttrium	89-1				112		%
Yttrium	89-2				112		%
Zinc	66-2	122.63	121.85	121.78	122.09	0.39	ppb
Zirconium	90-1	0.11	0.15	0.12	0.13	14.75	ppb
Zirconium	91-1	0.10	0.15	0.10	0.12	25.09	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	60295DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:06:18	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12.07	13.83	11.68	12.53	9.16	ppb
Antimony	121-1	0.08	0.09	0.09	0.09	9.56	ppb
Arsenic	75-2	3.64	3.79	4.32	3.92	9.13	ppb
Barium	135-1	0.28	0.27	0.22	0.26	11.78	ppb
Barium	137-1	0.30	0.25	0.25	0.26	11.25	ppb
Beryllium	9-1	0.02	0.01	0.02	0.01	40.10	ppb
Bismuth	209-1				107		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.15	0.08	0.01	0.08	85.25	ppb
Cadmium	106-1	-2.52	-2.88	-3.80	-3.07		ppb
Cadmium	111-1	-0.14	-0.19	-0.24	-0.19		ppb
Calcium	43-1	1383.46	1331.72	1346.43	1353.87	1.97	ppb
Calcium	44-1	1463.47	1433.49	1465.34	1454.10	1.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.99	1.05	0.94	1.00	5.39	ppb
Cobalt	59-2	0.22	0.20	0.22	0.21	6.41	ppb
Copper	63-2	0.51	0.42	0.52	0.48	10.92	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				111		%
Holmium	165-2				119		%
Indium	115-1				114		%
Indium	115-2				118		%
Iron	56-2	59585.76	60139.60	60626.56	60117.31	0.87	ppb
Iron	57-2	59553.52	59876.57	58943.59	59457.89	0.80	ppb
Iron	54-2	60756.11	60446.44	60711.95	60638.17	0.28	ppb
Krypton	83-1						cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	60295DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:06:18	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.17	0.21	0.18	0.19	9.87	ppb
Lead	207-1	0.18	0.16	0.23	0.19	17.71	ppb
Lead	208-1	0.18	0.18	0.19	0.19	2.78	ppb
Lithium	6-1				109		%
Magnesium	24-2	234.60	235.56	232.65	234.27	0.63	ppb
Manganese	55-2	3474.88	3460.31	3507.66	3480.95	0.70	ppb
Molybdenum	94-1	1.40	1.55	1.39	1.45	6.33	ppb
Molybdenum	95-1	1.79	1.64	1.71	1.72	4.25	ppb
Molybdenum	96-1	2.05	2.04	2.04	2.04	0.32	ppb
Molybdenum	97-1	1.51	1.67	1.62	1.60	5.32	ppb
Molybdenum	98-1	1.63	1.57	1.64	1.61	2.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.65	1.69	1.71	1.68	1.91	ppb
Phosphorus	31-2	-50.14	-44.21	-43.54	-45.96		ppb
Potassium	39-2	310.30	317.38	317.48	315.05	1.31	ppb
Rhodium	103-1				113		%
Rhodium	103-2				117		%
Scandium	45-1				114		%
Scandium	45-2				118		%
Selenium	82-1	13.51	15.06	16.08	14.88	8.70	ppb
Selenium	77-2	14.80	14.11	16.60	15.17	8.46	ppb
Selenium	78-2	14.95	14.68	15.21	14.94	1.78	ppb
Silicon	28-1	92.14	93.44	95.83	93.80	1.99	ppb
Silver	107-1	0.01	0.02	0.01	0.01	40.24	ppb
Silver	109-1	0.01	0.01	0.01	0.01	12.63	ppb
Sodium	23-2	2086.64	2193.56	2127.81	2136.00	2.52	ppb
Strontium	86-1	4.54	4.35	4.43	4.44	2.18	ppb
Strontium	88-1	4.42	4.43	4.57	4.47	1.80	ppb
Sulfur	34-1	-240.80	-672.80	-632.10	-515.23		ppb
Terbium	159-1				108		%
Terbium	159-2				115		%
Thallium	203-1	-0.01	-0.02	-0.01	-0.01		ppb
Thallium	205-1	0.00	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.08	0.06	0.03	0.06	44.55	ppb
Titanium	47-1	0.18	0.13	0.12	0.15	22.20	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	60295DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:06:18	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.01	0.01	68.69	ppb
Vanadium	51-2	0.06	0.06	0.05	0.05	11.75	ppb
Yttrium	89-1				114		%
Yttrium	89-2				117		%
Zinc	66-2	2.54	2.71	2.90	2.72	6.64	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	13.55	ppb
Zirconium	91-1	0.04	0.02	0.04	0.04	33.34	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	60272DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:09:31	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	313.91	303.06	297.12	304.70	2.79	ppb
Antimony	121-1	0.61	0.62	0.60	0.61	1.50	ppb
Arsenic	75-2	8.87	9.13	8.70	8.90	2.41	ppb
Barium	135-1	0.16	0.16	0.15	0.16	2.49	ppb
Barium	137-1	0.17	0.15	0.14	0.15	8.96	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	193.12	ppb
Bismuth	209-1				109		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.11	-0.02	0.03	186.83	ppb
Cadmium	106-1	-1.87	-1.72	-2.18	-1.93		ppb
Cadmium	111-1	-0.10	-0.10	-0.14	-0.11		ppb
Calcium	43-1	105.72	103.58	96.93	102.08	4.49	ppb
Calcium	44-1	179.90	194.91	197.15	190.65	4.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.21	2.04	2.03	2.09	4.87	ppb
Cobalt	59-2	0.40	0.38	0.35	0.38	7.40	ppb
Copper	63-2	2.24	2.06	2.08	2.13	4.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				117		%
Indium	115-1				113		%
Indium	115-2				118		%
Iron	56-2	3542.90	3572.67	3503.36	3539.64	0.98	ppb
Iron	57-2	3650.73	3563.21	3560.42	3591.45	1.43	ppb
Iron	54-2	3733.38	3617.63	3596.13	3649.05	2.02	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	60272DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:09:31	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.11	0.14	0.11	0.12	15.22	ppb
Lead	207-1	0.11	0.12	0.11	0.11	4.24	ppb
Lead	208-1	0.11	0.13	0.10	0.11	9.64	ppb
Lithium	6-1				112		%
Magnesium	24-2	118.28	113.32	110.97	114.19	3.27	ppb
Manganese	55-2	147.62	144.74	141.32	144.56	2.18	ppb
Molybdenum	94-1	2.39	2.32	2.48	2.40	3.31	ppb
Molybdenum	95-1	2.82	2.98	2.94	2.91	2.86	ppb
Molybdenum	96-1	2.83	2.96	2.85	2.88	2.46	ppb
Molybdenum	97-1	3.00	2.97	3.13	3.03	2.76	ppb
Molybdenum	98-1	2.94	3.05	2.90	2.96	2.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.77	2.58	2.65	2.67	3.56	ppb
Phosphorus	31-2	130.59	113.96	117.48	120.68	7.26	ppb
Potassium	39-2	52078.39	50232.89	49065.66	50458.98	3.01	ppb
Rhodium	103-1				111		%
Rhodium	103-2				115		%
Scandium	45-1				113		%
Scandium	45-2				117		%
Selenium	82-1	13.26	14.46	14.45	14.06	4.92	ppb
Selenium	77-2	14.65	14.33	13.83	14.27	2.89	ppb
Selenium	78-2	13.97	15.50	13.18	14.22	8.31	ppb
Silicon	28-1	90.55	96.59	100.32	95.82	5.15	ppb
Silver	107-1	0.01	0.01	0.01	0.01	10.80	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.76	ppb
Sodium	23-2	1450.84	1410.35	1385.04	1415.41	2.34	ppb
Strontium	86-1	0.16	0.20	0.19	0.18	12.79	ppb
Strontium	88-1	0.23	0.23	0.24	0.23	2.21	ppb
Sulfur	34-1	2228.63	2322.07	2479.13	2343.28	5.40	ppb
Terbium	159-1				109		%
Terbium	159-2				116		%
Thallium	203-1	-0.01	-0.01	-0.02	-0.01		ppb
Thallium	205-1	0.01	0.00	0.00	0.00	298.40	ppb
Tin	118-1	0.04	0.02	0.02	0.03	61.53	ppb
Titanium	47-1	0.19	0.13	0.27	0.20	36.44	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	60272DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:09:31	DataFile Name :	057SMPL.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	0.16	0.13	0.13	0.14	11.24	ppb
Yttrium	89-1				111		%
Yttrium	89-2				117		%
Zinc	66-2	3.05	2.48	2.69	2.74	10.49	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	4.70	ppb
Zirconium	91-1	0.04	0.02	0.04	0.04	27.99	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:12:45	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46623.90	47790.06	47227.89	47213.95	1.24	ppb
Antimony	121-1	504.39	518.91	495.76	506.35	2.31	ppb
Arsenic	75-2	502.76	500.06	504.65	502.49	0.46	ppb
Barium	135-1	2459.71	2575.47	2499.39	2511.53	2.34	ppb
Barium	137-1	2528.17	2602.40	2498.44	2543.00	2.11	ppb
Beryllium	9-1	508.76	520.84	515.46	515.02	1.18	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	493.55	510.35	503.44	502.45	1.68	ppb
Cadmium	106-1	490.41	514.06	491.78	498.75	2.66	ppb
Cadmium	111-1	497.46	513.69	486.97	499.37	2.70	ppb
Calcium	43-1	239894.99	243693.19	238224.26	240604.14	1.16	ppb
Calcium	44-1	239199.16	239349.25	236783.44	238443.95	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	502.48	498.67	501.24	500.80	0.39	ppb
Cobalt	59-2	490.85	491.41	496.75	493.00	0.66	ppb
Copper	63-2	4929.44	4919.44	4950.58	4933.16	0.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				114		%
Indium	115-1				110		%
Indium	115-2				109		%
Iron	56-2	123131.17	119626.67	122878.60	121878.81	1.60	ppb
Iron	57-2	118689.59	120396.13	118507.59	119197.77	0.87	ppb
Iron	54-2	120776.25	121498.74	122669.73	121648.24	0.79	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:12:45	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2476.95	2529.88	2531.57	2512.80	1.24	ppb
Lead	207-1	2463.36	2488.71	2480.31	2477.46	0.52	ppb
Lead	208-1	2471.86	2530.78	2500.23	2500.96	1.18	ppb
Lithium	6-1				116		%
Magnesium	24-2	254327.55	250621.96	248475.15	251141.55	1.18	ppb
Manganese	55-2	5054.89	4980.53	5023.33	5019.58	0.74	ppb
Molybdenum	94-1	4892.32	5179.70	4897.85	4989.96	3.29	ppb
Molybdenum	95-1	4908.01	5137.85	5027.76	5024.54	2.29	ppb
Molybdenum	96-1	4947.32	5141.79	5089.17	5059.43	1.99	ppb
Molybdenum	97-1	4883.90	5206.06	5039.32	5043.09	3.19	ppb
Molybdenum	98-1	4967.46	5231.81	4975.55	5058.28	2.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	485.99	485.80	489.03	486.94	0.37	ppb
Phosphorus	31-2	10304.13	10219.13	10153.67	10225.64	0.74	ppb
Potassium	39-2	120041.99	123322.59	123076.97	122147.18	1.50	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				116		%
Scandium	45-2				114		%
Selenium	82-1	471.52	499.39	478.76	483.22	2.99	ppb
Selenium	77-2	502.24	485.00	500.88	496.04	1.93	ppb
Selenium	78-2	501.29	486.16	500.28	495.91	1.71	ppb
Silicon	28-1	544.68	535.94	547.56	542.73	1.12	ppb
Silver	107-1	504.35	513.85	505.91	508.03	1.00	ppb
Silver	109-1	499.36	518.93	486.86	501.72	3.22	ppb
Sodium	23-2	252019.90	248874.59	255716.46	252203.65	1.36	ppb
Strontium	86-1	481.15	507.58	487.22	491.98	2.81	ppb
Strontium	88-1	494.59	526.04	501.20	507.28	3.27	ppb
Sulfur	34-1	9811.44	9636.43	9505.35	9651.08	1.59	ppb
Terbium	159-1				111		%
Terbium	159-2				112		%
Thallium	203-1	492.91	516.55	515.72	508.39	2.64	ppb
Thallium	205-1	497.60	512.55	507.39	505.85	1.50	ppb
Tin	118-1	496.79	524.26	499.01	506.68	3.01	ppb
Titanium	47-1	4953.82	4966.93	4970.13	4963.63	0.17	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:12:45	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	491.24	512.52	490.75	498.17	2.49	ppb
Vanadium	51-2	501.54	500.44	513.06	505.01	1.38	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-2	4708.25	4729.24	4812.14	4749.88	1.16	ppb
Zirconium	90-1	489.43	508.38	504.67	500.83	2.01	ppb
Zirconium	91-1	484.86	512.07	493.32	496.75	2.80	ppb

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:18:47	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.95	-0.30	0.01	-0.41		ppb
Antimony	121-1	0.02	0.04	0.04	0.03	20.80	ppb
Arsenic	75-2	0.01	-0.01	0.01	0.00	200.87	ppb
Barium	135-1	0.01	0.01	-0.01	0.00	314.32	ppb
Barium	137-1	-0.01	-0.01	-0.02	-0.01		ppb
Beryllium	9-1	0.02	0.00	0.01	0.01	66.71	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	-0.01	0.09	0.02	260.77	ppb
Cadmium	106-1	-3.41	-2.73	-3.26	-3.13		ppb
Cadmium	111-1	-0.22	-0.19	-0.22	-0.21		ppb
Calcium	43-1	-7.21	-7.25	-8.93	-7.80		ppb
Calcium	44-1	-16.62	-20.38	-19.78	-18.92		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.08	-0.06	-0.07	-0.07		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.01	-0.04	-0.05	-0.03		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				103		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	0.30	0.30	0.36	0.32	10.42	ppb
Iron	57-2	-0.97	-2.03	-1.61	-1.53		ppb
Iron	54-2	-2.04	-2.72	-1.56	-2.11		ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:18:47	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.02	0.02	0.03	9.63	ppb
Lead	207-1	0.01	-0.01	0.02	0.01	251.81	ppb
Lead	208-1	0.02	0.01	0.01	0.01	30.11	ppb
Lithium	6-1				106		%
Magnesium	24-2	0.99	0.84	1.17	1.00	16.15	ppb
Manganese	55-2	-0.05	-0.01	-0.02	-0.03		ppb
Molybdenum	94-1	0.06	0.04	0.06	0.05	22.02	ppb
Molybdenum	95-1	0.04	0.03	0.06	0.04	44.43	ppb
Molybdenum	96-1	0.04	0.03	0.06	0.04	38.27	ppb
Molybdenum	97-1	0.02	0.03	0.04	0.03	31.27	ppb
Molybdenum	98-1	0.03	0.02	0.02	0.03	27.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.00	0.13	0.08	85.91	ppb
Phosphorus	31-2	-51.41	-48.68	-50.84	-50.31		ppb
Potassium	39-2	-5.52	-2.75	-0.62	-2.96		ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	0.37	1.09	1.15	0.87	50.18	ppb
Selenium	77-2	1.26	1.30	1.29	1.28	1.75	ppb
Selenium	78-2	1.11	2.19	-0.27	1.01	122.18	ppb
Silicon	28-1	-3.14	-3.88	-2.57	-3.20		ppb
Silver	107-1	0.02	0.01	0.01	0.01	39.62	ppb
Silver	109-1	0.02	0.02	0.02	0.02	11.77	ppb
Sodium	23-2	29.83	29.04	27.71	28.86	3.71	ppb
Strontium	86-1	-0.05	-0.07	-0.02	-0.04		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	217.41	ppb
Sulfur	34-1	-491.44	-632.70	-411.31	-511.81		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	-0.02	-0.02	-0.03	-0.02		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	-0.04	-0.01	-0.03	-0.03		ppb
Titanium	47-1	0.03	0.01	-0.02	0.00	630.44	ppb

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:18:47	DataFile Name :	060CCBE.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	-0.01	0.00		ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	-2.49	-2.63	-2.84	-2.66		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	13.40	ppb
Zirconium	91-1	0.00	0.01	0.01	0.01	68.98	ppb

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:33:15	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1737	1813	1683	1745	3.75	cps
Antimony	121-1	53	40	23	39	38.65	cps
Arsenic	75-2	20	7	20	16	49.47	cps
Barium	135-1	90	47	63	67	32.79	cps
Barium	137-1	110	103	107	107	3.12	cps
Beryllium	9-1	10	0	3	4	114.60	cps
Bismuth	209-1	4721556	4640514	4474372	4612147	2.73	cps
Bismuth	209-2	3981939	3944353	3911844	3946045	0.89	cps
Bromine	81-1	10534	10374	10120	10343	2.02	cps
Bromine	81-2	197	147	123	156	24.08	cps
Cadmium	108-1	7	10	7	8	24.71	cps
Cadmium	106-1	3270	3094	3107	3157	3.12	cps
Cadmium	111-1	2295	2185	2184	2221	2.86	cps
Calcium	43-1	360	507	433	433	16.92	cps
Calcium	44-1	32739	32181	31216	32045	2.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2717	2760	2757	2745	0.88	cps
Cobalt	59-2	97	90	117	101	13.73	cps
Copper	63-2	1357	1390	1393	1380	1.47	cps
Dysprosium	156-1	7	13	0	7	99.98	cps
Dysprosium	156-2	3	13	3	7	86.65	cps
Erbium	164-1	47	90	47	61	40.93	cps
Erbium	164-2	30	67	33	43	46.80	cps
Gadolinium	160-1	43	73	67	61	25.78	cps
Gadolinium	160-2	307	337	370	338	9.38	cps
Holmium	165-1	7642852	7585358	7438973	7555728	1.39	cps
Holmium	165-2	5590358	5434804	5542834	5522665	1.44	cps
Indium	115-1	6619400	6592146	6464397	6558648	1.26	cps
Indium	115-2	2592472	2665761	2631106	2629780	1.39	cps
Iron	56-2	24650	24540	24033	24408	1.35	cps
Iron	57-2	1870	1973	1800	1881	4.64	cps
Iron	54-2	2900	3719	2954	3191	14.35	cps
Krypton	83-1	527	567	497	530	6.63	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:33:15	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	423	417	333	391	12.82	cps
Lead	207-1	367	333	360	353	4.99	cps
Lead	208-1	1740	1580	1447	1589	9.24	cps
Lithium	6-1	428371	418412	418332	421705	1.37	cps
Magnesium	24-2	427	427	417	423	1.36	cps
Manganese	55-2	727	877	853	819	9.86	cps
Molybdenum	94-1	363	297	383	348	13.05	cps
Molybdenum	95-1	277	327	260	288	12.05	cps
Molybdenum	96-1	403	343	353	367	8.77	cps
Molybdenum	97-1	273	183	213	223	20.52	cps
Molybdenum	98-1	500	533	457	497	7.74	cps
Neodymium	150-1	10	0	0	3	173.21	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	583	603	533	573	6.29	cps
Phosphorus	31-2	807	780	840	809	3.72	cps
Potassium	39-2	81296	81041	83249	81862	1.48	cps
Rhodium	103-1	7041791	6830444	6664802	6845679	2.76	cps
Rhodium	103-2	4339072	4308245	4358423	4335247	0.58	cps
Scandium	45-1	4271131	4127515	4251203	4216616	1.85	cps
Scandium	45-2	454222	448044	450639	450968	0.69	cps
Selenium	82-1	330	285	292	303	7.99	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	643	483	583	570	14.18	cps
Silicon	28-1	827762	807655	814771	816729	1.25	cps
Silver	107-1	60	73	77	70	12.60	cps
Silver	109-1	57	30	33	40	36.33	cps
Sodium	23-2	34662	34151	34893	34569	1.10	cps
Strontium	86-1	867	837	863	856	1.92	cps
Strontium	88-1	313	337	210	287	23.52	cps
Sulfur	34-1	184168	183724	183902	183931	0.12	cps
Terbium	159-1	7911238	7607652	7821991	7780294	2.01	cps
Terbium	159-2	5558198	5515237	5464463	5512633	0.85	cps
Thallium	203-1	343	310	340	331	5.54	cps
Thallium	205-1	703	730	680	704	3.55	cps
Tin	118-1	1043	1143	1043	1077	5.36	cps
Titanium	47-1	120	100	83	101	18.16	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:33:15	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	160	27	23	70	111.37	cps
Vanadium	51-2	33	47	10	30	61.87	cps
Yttrium	89-1	11724545	11897493	11611719	11744586	1.23	cps
Yttrium	89-2	3477999	3527182	3472897	3492693	0.86	cps
Zinc	66-2	4577	4771	4681	4676	2.07	cps
Zirconium	90-1	543	520	553	539	3.17	cps
Zirconium	91-1	113	93	100	102	9.96	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:39:47	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5364	5041	5181	5195	3.12	cps
Antimony	121-1	10944	11184	10687	10939	2.27	cps
Arsenic	75-2	483	460	403	449	9.17	cps
Barium	135-1	12926	13393	13163	13161	1.77	cps
Barium	137-1	22982	22929	22732	22881	0.58	cps
Beryllium	9-1	643	780	753	726	9.99	cps
Bismuth	209-1	4792213	4872235	4723887	4796111	1.55	cps
Bismuth	209-2	4077112	4182234	4096280	4118542	1.36	cps
Bromine	81-1	10844	10527	10737	10703	1.51	cps
Bromine	81-2	183	213	167	188	12.59	cps
Cadmium	108-1	133	107	133	124	12.37	cps
Cadmium	106-1	3487	3424	3337	3416	2.20	cps
Cadmium	111-1	4171	3895	3956	4008	3.62	cps
Calcium	43-1	9503	9370	9146	9340	1.93	cps
Calcium	44-1	172815	174493	170936	172748	1.03	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9353	8919	9119	9131	2.38	cps
Cobalt	59-2	5488	5601	5434	5508	1.55	cps
Copper	63-2	8903	8993	8603	8833	2.31	cps
Dysprosium	156-1	20	7	7	11	69.25	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	63	67	57	62	8.18	cps
Erbium	164-2	27	50	30	36	35.49	cps
Gadolinium	160-1	57	53	83	64	25.51	cps
Gadolinium	160-2	320	467	357	381	20.03	cps
Holmium	165-1	7793393	7611875	7699260	7701509	1.18	cps
Holmium	165-2	5726144	5742653	5647890	5705562	0.89	cps
Indium	115-1	6963508	6705258	6825242	6831336	1.89	cps
Indium	115-2	2738297	2774165	2713787	2742083	1.11	cps
Iron	56-2	181053	179406	180004	180154	0.46	cps
Iron	57-2	6051	5905	6255	6070	2.90	cps
Iron	54-2	12095	12085	11808	11996	1.36	cps
Krypton	83-1	470	537	507	504	6.62	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:39:47	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4251	4277	4227	4252	0.59	cps
Lead	207-1	3907	3707	3817	3811	2.63	cps
Lead	208-1	17368	17124	16808	17100	1.64	cps
Lithium	6-1	451714	443549	451021	448761	1.01	cps
Magnesium	24-2	156147	151848	151153	153049	1.77	cps
Manganese	55-2	3340	3437	3254	3344	2.74	cps
Molybdenum	94-1	13079	13229	13026	13112	0.80	cps
Molybdenum	95-1	16196	15552	16126	15958	2.21	cps
Molybdenum	96-1	17721	17741	17377	17613	1.16	cps
Molybdenum	97-1	9883	10254	9677	9938	2.94	cps
Molybdenum	98-1	25759	25062	24621	25147	2.28	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	2054	1933	2000	1996	3.01	cps
Phosphorus	31-2	1247	1187	1183	1206	2.96	cps
Potassium	39-2	275416	271716	271711	272948	0.78	cps
Rhodium	103-1	7108251	6944557	7092654	7048487	1.28	cps
Rhodium	103-2	4426832	4505328	4434727	4455629	0.97	cps
Scandium	45-1	4380272	4436818	4233153	4350081	2.42	cps
Scandium	45-2	464855	469891	461768	465504	0.88	cps
Selenium	82-1	960	1003	927	963	3.97	cps
Selenium	77-2	90	103	70	88	19.11	cps
Selenium	78-2	823	850	813	829	2.29	cps
Silicon	28-1	833264	846453	834308	838009	0.87	cps
Silver	107-1	7732	8042	7989	7921	2.09	cps
Silver	109-1	7192	7589	7575	7452	3.02	cps
Sodium	23-2	275749	270933	268643	271775	1.33	cps
Strontium	86-1	2810	2774	2930	2838	2.89	cps
Strontium	88-1	17424	16833	16997	17084	1.79	cps
Sulfur	34-1	191223	191565	191581	191456	0.11	cps
Terbium	159-1	7928250	7737683	7807063	7824332	1.23	cps
Terbium	159-2	5561165	5744541	5624538	5643415	1.65	cps
Thallium	203-1	5338	5231	5111	5227	2.17	cps
Thallium	205-1	12676	12369	11672	12239	4.20	cps
Tin	118-1	24257	24571	24504	24444	0.68	cps
Titanium	47-1	4464	4501	4311	4425	2.28	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:39:47	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14318	14101	14375	14264	1.01	cps
Vanadium	51-2	13963	14354	13877	14064	1.81	cps
Yttrium	89-1	11951909	11961152	11710020	11874360	1.20	cps
Yttrium	89-2	3610551	3624896	3526318	3587255	1.48	cps
Zinc	66-2	8109	8206	8232	8182	0.79	cps
Zirconium	90-1	10851	10504	10811	10722	1.77	cps
Zirconium	91-1	2407	2387	2267	2354	3.22	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:43:03	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	168759	168044	167638	168147	0.34	cps
Antimony	121-1	256344	259563	256865	257591	0.67	cps
Arsenic	75-2	19553	19426	19059	19346	1.33	cps
Barium	135-1	304964	305100	305759	305274	0.14	cps
Barium	137-1	525445	528967	523362	525925	0.54	cps
Beryllium	9-1	33757	32918	32621	33099	1.78	cps
Bismuth	209-1	4759517	4836313	4790444	4795425	0.81	cps
Bismuth	209-2	4175740	4037070	4045957	4086256	1.90	cps
Bromine	81-1	10494	10110	10240	10281	1.90	cps
Bromine	81-2	220	130	127	159	33.32	cps
Cadmium	108-1	5361	5414	5241	5339	1.66	cps
Cadmium	106-1	10894	10517	10717	10710	1.76	cps
Cadmium	111-1	75303	75661	76194	75719	0.59	cps
Calcium	43-1	82094	82530	81103	81909	0.89	cps
Calcium	44-1	1275946	1282384	1293373	1283901	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	154897	152514	151712	153041	1.08	cps
Cobalt	59-2	234307	233701	231651	233220	0.60	cps
Copper	63-2	1800351	1823238	1811830	1811807	0.63	cps
Dysprosium	156-1	23	7	17	16	53.90	cps
Dysprosium	156-2	17	17	7	13	43.29	cps
Erbium	164-1	40	63	57	53	22.53	cps
Erbium	164-2	33	40	60	44	31.23	cps
Gadolinium	160-1	83	67	70	73	12.02	cps
Gadolinium	160-2	300	370	340	337	10.43	cps
Holmium	165-1	7674630	7540961	7737233	7650941	1.31	cps
Holmium	165-2	5740575	5646594	5564585	5650585	1.56	cps
Indium	115-1	6739860	6580892	6659758	6660170	1.19	cps
Indium	115-2	2682200	2712215	2687260	2693892	0.60	cps
Iron	56-2	7003590	7007991	6905820	6972467	0.83	cps
Iron	57-2	184900	182749	182291	183313	0.76	cps
Iron	54-2	414283	412941	409589	412271	0.59	cps
Krypton	83-1	570	470	480	507	10.87	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:43:03	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	904862	923213	915655	914577	1.01	cps
Lead	207-1	776991	788817	785630	783812	0.78	cps
Lead	208-1	3671401	3706310	3637724	3671812	0.93	cps
Lithium	6-1	460944	452230	454729	455968	0.98	cps
Magnesium	24-2	1457731	1453410	1441814	1450985	0.57	cps
Manganese	55-2	1266514	1249315	1244784	1253538	0.91	cps
Molybdenum	94-1	995105	1002617	992452	996725	0.53	cps
Molybdenum	95-1	1404266	1409994	1414547	1409603	0.37	cps
Molybdenum	96-1	1515412	1508807	1489798	1504673	0.88	cps
Molybdenum	97-1	871846	885035	891315	882732	1.13	cps
Molybdenum	98-1	2264326	2249209	2263553	2259029	0.38	cps
Neodymium	150-1	17	17	37	23	49.48	cps
Neodymium	150-2	13	7	17	12	41.65	cps
Nickel	60-2	61720	62266	61268	61751	0.81	cps
Phosphorus	31-2	10724	10190	10143	10352	3.11	cps
Potassium	39-2	969587	960341	955394	961774	0.75	cps
Rhodium	103-1	7004315	6903045	7017421	6974927	0.90	cps
Rhodium	103-2	4470799	4401146	4384180	4418708	1.04	cps
Scandium	45-1	4301331	4314294	4315625	4310417	0.18	cps
Scandium	45-2	468403	470807	460114	466441	1.20	cps
Selenium	82-1	6062	6048	6094	6068	0.39	cps
Selenium	77-2	727	690	663	693	4.59	cps
Selenium	78-2	2887	2914	2944	2915	0.97	cps
Silicon	28-1	1920621	1910196	1903876	1911564	0.44	cps
Silver	107-1	365237	372616	375544	371132	1.43	cps
Silver	109-1	343112	353232	350745	349029	1.51	cps
Sodium	23-2	2271475	2247385	2287153	2268671	0.88	cps
Strontium	86-1	92872	92291	92881	92682	0.37	cps
Strontium	88-1	791599	803724	792627	795983	0.84	cps
Sulfur	34-1	212689	211874	210989	211851	0.40	cps
Terbium	159-1	7729364	7789375	7833013	7783918	0.67	cps
Terbium	159-2	5713296	5544060	5744673	5667343	1.90	cps
Thallium	203-1	225235	225534	223860	224876	0.40	cps
Thallium	205-1	535070	538664	538015	537250	0.36	cps
Tin	118-1	215511	218935	216909	217119	0.79	cps
Titanium	47-1	384990	385800	383229	384673	0.34	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:43:03	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	651035	663905	664422	659787	1.15	cps
Vanadium	51-2	129061	127864	126880	127935	0.85	cps
Yttrium	89-1	11971374	11998419	12010449	11993414	0.17	cps
Yttrium	89-2	3592015	3507424	3538708	3546049	1.21	cps
Zinc	66-2	333406	327380	326961	329249	1.10	cps
Zirconium	90-1	481963	487261	483872	484365	0.55	cps
Zirconium	91-1	107051	108545	106726	107441	0.90	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:46:12	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	419321	421176	419256	419917	0.26	cps
Antimony	121-1	654327	665755	653725	657936	1.03	cps
Arsenic	75-2	48409	49001	48777	48729	0.61	cps
Barium	135-1	774572	786785	780982	780779	0.78	cps
Barium	137-1	1341338	1365639	1338337	1348438	1.11	cps
Beryllium	9-1	83406	84533	84359	84100	0.72	cps
Bismuth	209-1	4866824	4826344	4906367	4866512	0.82	cps
Bismuth	209-2	4088080	4036466	3952407	4025651	1.70	cps
Bromine	81-1	10561	10257	10004	10274	2.71	cps
Bromine	81-2	147	133	147	142	5.41	cps
Cadmium	108-1	13533	13383	13777	13564	1.46	cps
Cadmium	106-1	22117	22337	22287	22247	0.52	cps
Cadmium	111-1	190963	190724	192290	191326	0.44	cps
Calcium	43-1	206366	210123	207338	207942	0.94	cps
Calcium	44-1	3224197	3241717	3250795	3238903	0.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	386121	383233	377137	382164	1.20	cps
Cobalt	59-2	590397	582062	578896	583785	1.02	cps
Copper	63-2	4699828	4606383	4474779	4593663	2.46	cps
Dysprosium	156-1	17	20	10	16	32.73	cps
Dysprosium	156-2	47	43	53	48	10.66	cps
Erbium	164-1	83	73	93	83	12.00	cps
Erbium	164-2	90	33	43	56	54.45	cps
Gadolinium	160-1	63	83	47	64	28.48	cps
Gadolinium	160-2	413	377	320	370	12.71	cps
Holmium	165-1	7741522	7874048	7664298	7759956	1.37	cps
Holmium	165-2	5697187	5587689	5599603	5628160	1.07	cps
Indium	115-1	6573902	6637371	6650142	6620472	0.62	cps
Indium	115-2	2662436	2639386	2633494	2645105	0.58	cps
Iron	56-2	17498593	17946714	17823505	17756271	1.30	cps
Iron	57-2	464236	458230	452680	458382	1.26	cps
Iron	54-2	1025499	1028986	1037034	1030506	0.57	cps
Krypton	83-1	570	563	570	568	0.68	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:46:12	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2459547	2450696	2445202	2451815	0.30	cps
Lead	207-1	2062650	2164309	2101610	2109523	2.43	cps
Lead	208-1	9568248	9898084	9672597	9712976	1.74	cps
Lithium	6-1	449408	452639	452699	451582	0.42	cps
Magnesium	24-2	3641831	3636314	3676251	3651465	0.59	cps
Manganese	55-2	3161177	3171206	3091856	3141413	1.38	cps
Molybdenum	94-1	2517846	2569006	2599776	2562210	1.62	cps
Molybdenum	95-1	3569512	3631221	3668902	3623212	1.38	cps
Molybdenum	96-1	3892844	3913671	3938617	3915044	0.59	cps
Molybdenum	97-1	2243436	2297598	2253712	2264915	1.27	cps
Molybdenum	98-1	5813182	5837110	5708268	5786187	1.18	cps
Neodymium	150-1	43	30	47	40	22.05	cps
Neodymium	150-2	10	13	20	14	35.26	cps
Nickel	60-2	154101	157336	154237	155225	1.18	cps
Phosphorus	31-2	24790	24470	24059	24440	1.50	cps
Potassium	39-2	2231648	2163623	2192992	2196088	1.55	cps
Rhodium	103-1	6762369	6882500	6932187	6859019	1.27	cps
Rhodium	103-2	4429498	4367617	4280313	4359143	1.72	cps
Scandium	45-1	4304932	4278642	4224324	4269300	0.96	cps
Scandium	45-2	451990	458276	453556	454608	0.72	cps
Selenium	82-1	15282	15343	15217	15281	0.41	cps
Selenium	77-2	1807	1963	1720	1830	6.74	cps
Selenium	78-2	6645	6518	6522	6562	1.10	cps
Silicon	28-1	3014032	3045069	3027137	3028746	0.51	cps
Silver	107-1	937112	948313	941016	942147	0.60	cps
Silver	109-1	886402	891896	888982	889093	0.31	cps
Sodium	23-2	5793206	5642192	5679054	5704817	1.38	cps
Strontium	86-1	233517	240566	235065	236382	1.57	cps
Strontium	88-1	2040208	2071258	2015459	2042308	1.37	cps
Sulfur	34-1	245498	244171	241583	243751	0.82	cps
Terbium	159-1	7732669	7835604	7869835	7812703	0.91	cps
Terbium	159-2	5507144	5591941	5575060	5558048	0.81	cps
Thallium	203-1	577654	580664	590710	583009	1.17	cps
Thallium	205-1	1378360	1372356	1391911	1380876	0.73	cps
Tin	118-1	553276	556662	557667	555868	0.41	cps
Titanium	47-1	974697	977409	968909	973671	0.45	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:46:12	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1782835	1825782	1714491	1774370	3.16	cps
Vanadium	51-2	326220	324820	323636	324892	0.40	cps
Yttrium	89-1	11932738	11818607	11674563	11808636	1.10	cps
Yttrium	89-2	3476858	3507473	3416589	3466973	1.33	cps
Zinc	66-2	830258	827171	806117	821182	1.60	cps
Zirconium	90-1	1246408	1246704	1257421	1250178	0.50	cps
Zirconium	91-1	273508	277145	276442	275698	0.70	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:49:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	827639	829184	823117	826646	0.38	cps
Antimony	121-1	1288366	1302066	1308279	1299570	0.78	cps
Arsenic	75-2	97025	94969	94469	95488	1.42	cps
Barium	135-1	1539679	1528685	1552141	1540168	0.76	cps
Barium	137-1	2666042	2740571	2757780	2721465	1.79	cps
Beryllium	9-1	164585	165770	167065	165807	0.75	cps
Bismuth	209-1	4989843	4794481	4896876	4893734	2.00	cps
Bismuth	209-2	4077320	4070515	3950034	4032623	1.78	cps
Bromine	81-1	9963	9807	9663	9811	1.53	cps
Bromine	81-2	147	150	173	157	9.28	cps
Cadmium	108-1	26464	26721	26558	26581	0.49	cps
Cadmium	106-1	40262	40420	40680	40454	0.52	cps
Cadmium	111-1	369235	377027	370928	372397	1.10	cps
Calcium	43-1	401821	405716	400009	402516	0.72	cps
Calcium	44-1	6209276	6225459	6341466	6258734	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	755305	758779	745550	753212	0.91	cps
Cobalt	59-2	1158973	1147885	1151776	1152878	0.49	cps
Copper	63-2	8767182	9016885	8887442	8890503	1.40	cps
Dysprosium	156-1	40	30	30	33	17.32	cps
Dysprosium	156-2	90	80	90	87	6.66	cps
Erbium	164-1	107	50	67	74	39.12	cps
Erbium	164-2	77	60	73	70	12.60	cps
Gadolinium	160-1	100	107	83	97	12.44	cps
Gadolinium	160-2	337	360	313	337	6.93	cps
Holmium	165-1	7891110	7754542	7660791	7768814	1.49	cps
Holmium	165-2	5696387	5671109	5649625	5672373	0.41	cps
Indium	115-1	6678541	6667066	6731596	6692401	0.51	cps
Indium	115-2	2595111	2672828	2556986	2608308	2.26	cps
Iron	56-2	35346984	35008856	35373052	35242964	0.58	cps
Iron	57-2	905265	905573	895238	902025	0.65	cps
Iron	54-2	1930886	1962918	1922832	1938879	1.09	cps
Krypton	83-1	520	533	597	550	7.45	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:49:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4857382	4913866	4916539	4895929	0.68	cps
Lead	207-1	4098516	4267679	4317777	4227991	2.72	cps
Lead	208-1	19246926	19377110	19513689	19379242	0.69	cps
Lithium	6-1	460334	457542	457502	458460	0.35	cps
Magnesium	24-2	7324796	7269140	7115443	7236460	1.50	cps
Manganese	55-2	6248467	6235745	6145917	6210043	0.90	cps
Molybdenum	94-1	5069287	5084551	4990900	5048246	1.00	cps
Molybdenum	95-1	7030835	7129371	7119439	7093215	0.76	cps
Molybdenum	96-1	7543349	7767619	7595999	7635656	1.54	cps
Molybdenum	97-1	4408739	4446618	4457942	4437766	0.58	cps
Molybdenum	98-1	11392756	11505657	11554630	11484348	0.72	cps
Neodymium	150-1	50	70	53	58	18.55	cps
Neodymium	150-2	17	7	17	13	43.29	cps
Nickel	60-2	304758	303362	301119	303080	0.61	cps
Phosphorus	31-2	48126	47888	47524	47846	0.63	cps
Potassium	39-2	4323575	4313412	4252635	4296540	0.89	cps
Rhodium	103-1	6830602	6820847	6836146	6829198	0.11	cps
Rhodium	103-2	4249206	4235416	4231310	4238644	0.22	cps
Scandium	45-1	4289531	4273443	4341075	4301350	0.82	cps
Scandium	45-2	458344	457944	455595	457294	0.32	cps
Selenium	82-1	29477	29282	29676	29478	0.67	cps
Selenium	77-2	3497	3607	3791	3632	4.08	cps
Selenium	78-2	12412	12339	12012	12254	1.74	cps
Silicon	28-1	4991341	4907576	4999633	4966183	1.03	cps
Silver	107-1	1800041	1798796	1812010	1803616	0.40	cps
Silver	109-1	1705071	1766746	1763316	1745044	1.99	cps
Sodium	23-2	11482064	11610525	11371417	11488002	1.04	cps
Strontium	86-1	462727	459189	467291	463069	0.88	cps
Strontium	88-1	4002448	3964151	3981982	3982860	0.48	cps
Sulfur	34-1	294584	294719	296574	295292	0.38	cps
Terbium	159-1	8119701	8138515	8019093	8092436	0.79	cps
Terbium	159-2	5719493	5698087	5631447	5683009	0.81	cps
Thallium	203-1	1155212	1155274	1167105	1159197	0.59	cps
Thallium	205-1	2899899	2861510	2927036	2896149	1.14	cps
Tin	118-1	1085548	1101168	1096967	1094561	0.74	cps
Titanium	47-1	1918276	1894672	1904121	1905690	0.62	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:49:12	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3699201	3620728	3620872	3646934	1.24	cps
Vanadium	51-2	639264	644416	632639	638773	0.92	cps
Yttrium	89-1	12117619	11850951	11870056	11946209	1.25	cps
Yttrium	89-2	3529073	3455828	3483004	3489302	1.06	cps
Zinc	66-2	1582320	1584326	1559946	1575530	0.86	cps
Zirconium	90-1	2486505	2502496	2404173	2464391	2.14	cps
Zirconium	91-1	541335	546197	543893	543808	0.45	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:52:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1622203	1663289	1656385	1647292	1.34	cps
Antimony	121-1	2591335	2628933	2615107	2611792	0.73	cps
Arsenic	75-2	187279	188902	192731	189637	1.48	cps
Barium	135-1	3117252	3157013	3178276	3150847	0.98	cps
Barium	137-1	5341518	5398470	5374001	5371330	0.53	cps
Beryllium	9-1	322421	330199	324778	325799	1.22	cps
Bismuth	209-1	4848280	4915732	4812775	4858929	1.08	cps
Bismuth	209-2	4116010	4023022	4069141	4069391	1.14	cps
Bromine	81-1	9890	9436	9877	9734	2.65	cps
Bromine	81-2	133	137	120	130	6.79	cps
Cadmium	108-1	51261	52358	52224	51947	1.15	cps
Cadmium	106-1	75047	77325	76538	76303	1.52	cps
Cadmium	111-1	716163	723554	729944	723221	0.95	cps
Calcium	43-1	795007	799116	798627	797583	0.28	cps
Calcium	44-1	12457077	12424712	12106936	12329575	1.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1440829	1455084	1479370	1458428	1.34	cps
Cobalt	59-2	2240336	2358754	2295447	2298179	2.58	cps
Copper	63-2	17495839	17915043	17548982	17653288	1.29	cps
Dysprosium	156-1	83	73	77	78	6.55	cps
Dysprosium	156-2	177	193	140	170	16.05	cps
Erbium	164-1	150	90	120	120	25.00	cps
Erbium	164-2	110	90	90	97	11.95	cps
Gadolinium	160-1	147	123	87	119	25.44	cps
Gadolinium	160-2	400	410	317	376	13.65	cps
Holmium	165-1	7854166	7863221	7829879	7849088	0.22	cps
Holmium	165-2	5818295	5660872	5787165	5755444	1.45	cps
Indium	115-1	6816899	6729427	6594262	6713529	1.67	cps
Indium	115-2	2652662	2644157	2687196	2661338	0.86	cps
Iron	56-2	68699367	68961396	70044584	69235116	1.03	cps
Iron	57-2	1706980	1719396	1721763	1716046	0.46	cps
Iron	54-2	3853118	3822936	3814903	3830319	0.53	cps
Krypton	83-1	487	503	490	493	1.79	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:52:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9652849	9828629	9719255	9733578	0.91	cps
Lead	207-1	8241190	8447775	8605332	8431432	2.17	cps
Lead	208-1	37749492	38828715	38690880	38423029	1.53	cps
Lithium	6-1	467266	464446	457962	463225	1.03	cps
Magnesium	24-2	14298724	14150089	14468894	14305902	1.12	cps
Manganese	55-2	12361031	12246609	12176901	12261514	0.76	cps
Molybdenum	94-1	9942361	10145725	9978339	10022141	1.08	cps
Molybdenum	95-1	14068684	14278460	14201132	14182759	0.75	cps
Molybdenum	96-1	15060488	15084072	15206571	15117044	0.52	cps
Molybdenum	97-1	8717513	8856867	8744248	8772876	0.84	cps
Molybdenum	98-1	22289121	23024938	22945808	22753289	1.78	cps
Neodymium	150-1	123	107	107	112	8.58	cps
Neodymium	150-2	50	50	27	42	31.90	cps
Nickel	60-2	591155	595913	596827	594631	0.51	cps
Phosphorus	31-2	92740	94471	93226	93479	0.95	cps
Potassium	39-2	8115867	8386928	8362350	8288382	1.81	cps
Rhodium	103-1	6799916	6961312	6783599	6848275	1.43	cps
Rhodium	103-2	4344844	4343756	4309859	4332820	0.46	cps
Scandium	45-1	4415349	4292362	4267109	4324940	1.83	cps
Scandium	45-2	458004	456967	461182	458717	0.48	cps
Selenium	82-1	56556	58095	57659	57437	1.38	cps
Selenium	77-2	6848	7475	7118	7147	4.40	cps
Selenium	78-2	23072	23098	23335	23168	0.63	cps
Silicon	28-1	9119208	9283525	9252034	9218256	0.95	cps
Silver	107-1	3565459	3699058	3612313	3625610	1.87	cps
Silver	109-1	3410299	3467532	3492720	3456850	1.22	cps
Sodium	23-2	22260527	21922188	22259536	22147417	0.88	cps
Strontium	86-1	902937	916110	906834	908627	0.74	cps
Strontium	88-1	7754932	7890171	7878261	7841121	0.95	cps
Sulfur	34-1	403706	407585	406579	405956	0.50	cps
Terbium	159-1	8100003	8311977	8246933	8219638	1.32	cps
Terbium	159-2	5639146	5585895	5535103	5586714	0.93	cps
Thallium	203-1	2354303	2385725	2392771	2377599	0.86	cps
Thallium	205-1	5696009	5851998	5704454	5750820	1.53	cps
Tin	118-1	2192038	2211706	2203328	2202357	0.45	cps
Titanium	47-1	3785151	3815414	3824510	3808358	0.54	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:52:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7058809	7337075	7371450	7255778	2.36	cps
Vanadium	51-2	1248619	1238544	1265780	1250981	1.10	cps
Yttrium	89-1	12235401	12175393	12127856	12179550	0.44	cps
Yttrium	89-2	3557096	3549858	3503561	3536838	0.82	cps
Zinc	66-2	3147162	3075043	3100316	3107507	1.18	cps
Zirconium	90-1	4813297	4860626	4912053	4861992	1.02	cps
Zirconium	91-1	1072685	1083100	1075116	1076967	0.51	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:54:49	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3331685	3294317	3379702	3335234	1.28	cps
Antimony	121-1	5123086	5354739	5298433	5258753	2.30	cps
Arsenic	75-2	390348	379416	383549	384438	1.44	cps
Barium	135-1	6189787	6241634	6378698	6270040	1.56	cps
Barium	137-1	10883058	10736837	10809874	10809923	0.68	cps
Beryllium	9-1	631703	651456	644347	642502	1.56	cps
Bismuth	209-1	4823660	4862890	4847822	4844791	0.41	cps
Bismuth	209-2	4164772	4044354	4034573	4081233	1.78	cps
Bromine	81-1	9647	9870	9683	9733	1.23	cps
Bromine	81-2	110	113	107	110	3.03	cps
Cadmium	108-1	103162	105340	104196	104233	1.05	cps
Cadmium	106-1	148388	149906	149193	149163	0.51	cps
Cadmium	111-1	1433769	1465828	1462680	1454092	1.22	cps
Calcium	43-1	1532185	1547624	1599874	1559894	2.27	cps
Calcium	44-1	25033081	25651081	25456311	25380158	1.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3005404	3029153	3005026	3013194	0.46	cps
Cobalt	59-2	4665440	4559118	4607828	4610796	1.15	cps
Copper	63-2	36055498	34842460	35087965	35328641	1.82	cps
Dysprosium	156-1	140	107	140	129	14.93	cps
Dysprosium	156-2	357	297	373	342	11.78	cps
Erbium	164-1	163	223	220	202	16.67	cps
Erbium	164-2	140	133	130	134	3.79	cps
Gadolinium	160-1	150	150	133	144	6.66	cps
Gadolinium	160-2	393	427	393	404	4.76	cps
Holmium	165-1	8087039	7898487	7959412	7981646	1.21	cps
Holmium	165-2	6003110	5886025	5821306	5903481	1.56	cps
Indium	115-1	6790683	6589796	6564923	6648467	1.86	cps
Indium	115-2	2708241	2689791	2692620	2696884	0.37	cps
Iron	56-2	141607415	140458918	140105451	140723928	0.56	cps
Iron	57-2	3478687	3402154	3376715	3419185	1.55	cps
Iron	54-2	7797545	7732753	7805577	7778625	0.51	cps
Krypton	83-1	487	537	483	502	5.95	cps

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Inst Id :P7
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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:54:49	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19198307	20039214	20090497	19776006	2.53	cps
Lead	207-1	17220066	17173263	17042948	17145426	0.54	cps
Lead	208-1	77198691	78612320	77114031	77641681	1.08	cps
Lithium	6-1	458779	455927	457529	457412	0.31	cps
Magnesium	24-2	29065759	28380506	28409630	28618632	1.35	cps
Manganese	55-2	25231363	24748095	24838170	24939209	1.03	cps
Molybdenum	94-1	20211903	20728574	20325518	20421999	1.33	cps
Molybdenum	95-1	28549607	28760747	28449205	28586520	0.56	cps
Molybdenum	96-1	30799661	31033713	30564431	30799268	0.76	cps
Molybdenum	97-1	17370034	17938431	18066182	17791549	2.08	cps
Molybdenum	98-1	45805734	46225351	46264173	46098419	0.55	cps
Neodymium	150-1	217	210	237	221	6.28	cps
Neodymium	150-2	63	80	73	72	11.62	cps
Nickel	60-2	1199536	1189683	1184922	1191380	0.63	cps
Phosphorus	31-2	189078	188333	187904	188439	0.32	cps
Potassium	39-2	17028044	16744743	16995544	16922777	0.92	cps
Rhodium	103-1	6845690	6644783	6821110	6770528	1.62	cps
Rhodium	103-2	4408479	4439885	4418129	4422165	0.36	cps
Scandium	45-1	4349581	4408104	4235003	4330896	2.03	cps
Scandium	45-2	474119	473308	468645	472024	0.63	cps
Selenium	82-1	113659	115046	113703	114136	0.69	cps
Selenium	77-2	14204	13640	13840	13894	2.06	cps
Selenium	78-2	47894	45925	46670	46830	2.12	cps
Silicon	28-1	18233376	17946445	18100350	18093390	0.79	cps
Silver	107-1	7177569	7358171	7217920	7251220	1.31	cps
Silver	109-1	6997914	6956556	6863380	6939283	0.99	cps
Sodium	23-2	45696656	45415316	45710116	45607363	0.36	cps
Strontium	86-1	1858534	1876886	1869305	1868242	0.49	cps
Strontium	88-1	15979630	15943647	16106667	16009981	0.53	cps
Sulfur	34-1	629928	638345	636864	635046	0.71	cps
Terbium	159-1	8158344	8280300	8233470	8224038	0.75	cps
Terbium	159-2	6011682	5842745	5819443	5891290	1.78	cps
Thallium	203-1	4766760	4848781	4962162	4859234	2.02	cps
Thallium	205-1	11506390	11764891	11861514	11710932	1.57	cps
Tin	118-1	4457686	4573911	4469646	4500414	1.42	cps
Titanium	47-1	7592631	7782256	7672624	7682503	1.24	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:54:49	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14177383	15198323	14849601	14741769	3.52	cps
Vanadium	51-2	2633448	2539206	2577052	2583236	1.84	cps
Yttrium	89-1	12129634	11971406	12239851	12113630	1.11	cps
Yttrium	89-2	3671504	3650083	3583766	3635118	1.26	cps
Zinc	66-2	6349738	6334874	6201973	6295528	1.29	cps
Zirconium	90-1	9776745	9999698	9873990	9883477	1.13	cps
Zirconium	91-1	2202904	2196970	2177267	2192380	0.61	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:57:37	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17116804	16776926	16919316	16937682	1.01	cps
Antimony	121-1	4311	4387	4284	4327	1.24	cps
Arsenic	75-2	380	473	413	422	11.20	cps
Barium	135-1	4064	3874	3967	3968	2.39	cps
Barium	137-1	6728	6538	6448	6572	2.18	cps
Beryllium	9-1	113	110	113	112	1.71	cps
Bismuth	209-1	4604905	4466172	4486027	4519034	1.66	cps
Bismuth	209-2	3853529	3971908	3898962	3908133	1.53	cps
Bromine	81-1	9710	9847	10247	9935	2.81	cps
Bromine	81-2	230	170	220	207	15.56	cps
Cadmium	108-1	100	100	87	96	8.05	cps
Cadmium	106-1	3400	3277	3084	3254	4.91	cps
Cadmium	111-1	3100	3007	2848	2985	4.28	cps
Calcium	43-1	7608502	7736450	7639476	7661476	0.87	cps
Calcium	44-1	122494465	125032351	124621028	124049281	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15585	15852	15425	15620	1.38	cps
Cobalt	59-2	8306	8549	8556	8470	1.68	cps
Copper	63-2	4514	4374	4311	4400	2.37	cps
Dysprosium	156-1	200	230	250	227	11.10	cps
Dysprosium	156-2	250	237	217	234	7.16	cps
Erbium	164-1	580	653	643	626	6.36	cps
Erbium	164-2	467	443	427	446	4.51	cps
Gadolinium	160-1	320	333	367	340	7.07	cps
Gadolinium	160-2	623	563	573	587	5.48	cps
Holmium	165-1	7856682	7598321	7841508	7765504	1.87	cps
Holmium	165-2	5910502	6108929	5805351	5941594	2.59	cps
Indium	115-1	6579791	6400014	6682060	6553955	2.18	cps
Indium	115-2	2656265	2756491	2727906	2713554	1.90	cps
Iron	56-2	675305510	686336656	687256016	682966061	0.97	cps
Iron	57-2	17059642	16902454	17121668	17027921	0.66	cps
Iron	54-2	37937102	37686084	37703898	37775694	0.37	cps
Krypton	83-1	513	460	497	490	5.57	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:57:37	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5324	5281	5098	5234	2.30	cps
Lead	207-1	4534	4631	4324	4496	3.49	cps
Lead	208-1	20623	20846	19806	20425	2.68	cps
Lithium	6-1	450136	447498	453956	450530	0.72	cps
Magnesium	24-2	146447618	147489774	147052858	146996750	0.36	cps
Manganese	55-2	11541	11428	11585	11518	0.70	cps
Molybdenum	94-1	6395	6301	6211	6303	1.46	cps
Molybdenum	95-1	5388	4878	4818	5028	6.23	cps
Molybdenum	96-1	10761	9954	9533	10082	6.19	cps
Molybdenum	97-1	3280	3210	3170	3220	1.73	cps
Molybdenum	98-1	8196	7989	7659	7948	3.41	cps
Neodymium	150-1	160	137	120	139	14.47	cps
Neodymium	150-2	93	80	70	81	14.43	cps
Nickel	60-2	4827	4807	4721	4785	1.19	cps
Phosphorus	31-2	820	813	903	846	5.93	cps
Potassium	39-2	86403155	84460222	87793032	86218803	1.94	cps
Rhodium	103-1	6514809	6459384	6461122	6478438	0.49	cps
Rhodium	103-2	4250732	4244118	4303631	4266160	0.76	cps
Scandium	45-1	4308618	4308436	4386088	4334381	1.03	cps
Scandium	45-2	477664	485789	487704	483719	1.10	cps
Selenium	82-1	436	447	474	452	4.27	cps
Selenium	77-2	17	23	20	20	16.65	cps
Selenium	78-2	627	570	643	613	6.27	cps
Silicon	28-1	855757	863772	866297	861942	0.64	cps
Silver	107-1	2930	1610	1203	1915	47.16	cps
Silver	109-1	3060	1443	1280	1928	51.04	cps
Sodium	23-2	220394017	223317430	229669910	224460452	2.11	cps
Strontium	86-1	24417	24534	24026	24326	1.09	cps
Strontium	88-1	203845	203674	205484	204334	0.49	cps
Sulfur	34-1	176780	178728	177376	177628	0.56	cps
Terbium	159-1	8471093	7944286	7903784	8106388	3.90	cps
Terbium	159-2	5793981	5848191	5739528	5793900	0.94	cps
Thallium	203-1	6939	6662	6648	6750	2.43	cps
Thallium	205-1	15970	15736	15322	15676	2.09	cps
Tin	118-1	1890	2010	1937	1946	3.11	cps
Titanium	47-1	723	653	683	687	5.12	cps

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 11:57:37	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	883	473	507	621	36.66	cps
Vanadium	51-2	1153	1150	1163	1156	0.60	cps
Yttrium	89-1	12108082	12060904	12278259	12149082	0.94	cps
Yttrium	89-2	3629901	3668602	3728626	3675710	1.35	cps
Zinc	66-2	8012	7859	8339	8070	3.04	cps
Zirconium	90-1	9036	8986	9163	9062	1.01	cps
Zirconium	91-1	2023	2020	1897	1980	3.65	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:15:02	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	241324	240879	239021	240408	0.51	cps
Antimony	121-1	1978954	1997410	2028952	2001772	1.26	cps
Arsenic	75-2	146561	145483	145360	145801	0.45	cps
Barium	135-1	1894902	1913713	1886236	1898284	0.74	cps
Barium	137-1	3192371	3200109	3258885	3217122	1.13	cps
Beryllium	9-1	24399	25685	25354	25146	2.65	cps
Bismuth	209-1	4648776	4735958	4562615	4649116	1.86	cps
Bismuth	209-2	3967829	3958609	3984249	3970229	0.33	cps
Bromine	81-1	10454	10157	9910	10174	2.68	cps
Bromine	81-2	197	150	170	172	13.60	cps
Cadmium	108-1	21903	22564	22251	22239	1.49	cps
Cadmium	106-1	33890	33873	33927	33896	0.08	cps
Cadmium	111-1	279809	282853	282091	281584	0.56	cps
Calcium	43-1	64052	66103	65782	65312	1.69	cps
Calcium	44-1	1028596	1046823	1040829	1038749	0.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	461362	460676	462005	461348	0.14	cps
Cobalt	59-2	1728567	1788822	1754003	1757131	1.72	cps
Copper	63-2	635546	624776	631526	630616	0.86	cps
Dysprosium	156-1	30	37	30	32	11.95	cps
Dysprosium	156-2	90	83	70	81	12.55	cps
Erbium	164-1	40	57	47	48	17.56	cps
Erbium	164-2	33	27	27	29	13.31	cps
Gadolinium	160-1	57	107	60	74	37.55	cps
Gadolinium	160-2	307	350	323	327	6.69	cps
Holmium	165-1	7626153	7460019	7443339	7509837	1.35	cps
Holmium	165-2	5603893	5543673	5530519	5559362	0.70	cps
Indium	115-1	6552827	6489766	6409948	6484180	1.10	cps
Indium	115-2	2616441	2610026	2586168	2604211	0.61	cps
Iron	56-2	2060813	2014014	2104239	2059688	2.19	cps
Iron	57-2	56054	55515	55713	55761	0.49	cps
Iron	54-2	136863	134530	137173	136189	1.06	cps
Krypton	83-1	460	493	550	501	9.08	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:15:02	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1360519	1382014	1397857	1380130	1.36	cps
Lead	207-1	1172183	1176164	1182057	1176802	0.42	cps
Lead	208-1	5462844	5541817	5542141	5515601	0.83	cps
Lithium	6-1	441516	442495	443330	442447	0.21	cps
Magnesium	24-2	1008212	1004152	1005685	1006016	0.20	cps
Manganese	55-2	880048	866364	876828	874413	0.82	cps
Molybdenum	94-1	9295130	9367544	9225361	9296012	0.76	cps
Molybdenum	95-1	12951951	13372929	13288602	13204494	1.69	cps
Molybdenum	96-1	13907414	14432417	14333141	14224324	1.96	cps
Molybdenum	97-1	8189654	8214075	8197137	8200289	0.15	cps
Molybdenum	98-1	20998297	21404413	21204198	21202303	0.96	cps
Neodymium	150-1	67	63	57	62	8.18	cps
Neodymium	150-2	7	7	20	11	69.25	cps
Nickel	60-2	465712	465665	463410	464929	0.28	cps
Phosphorus	31-2	780	803	757	780	2.99	cps
Potassium	39-2	1328910	1319883	1312599	1320464	0.62	cps
Rhodium	103-1	6756386	6637186	6663416	6685663	0.94	cps
Rhodium	103-2	4310982	4188816	4325334	4275044	1.75	cps
Scandium	45-1	4136008	4203836	4153371	4164405	0.85	cps
Scandium	45-2	446389	447919	444569	446292	0.38	cps
Selenium	82-1	43869	44205	44442	44172	0.65	cps
Selenium	77-2	5264	5441	5491	5399	2.21	cps
Selenium	78-2	18702	18638	18592	18644	0.30	cps
Silicon	28-1	2480045	2495990	2490831	2488955	0.33	cps
Silver	107-1	1396540	1413501	1420949	1410330	0.89	cps
Silver	109-1	1315148	1327110	1340369	1327542	0.95	cps
Sodium	23-2	1716054	1694296	1686921	1699091	0.89	cps
Strontium	86-1	815470	834935	828376	826260	1.20	cps
Strontium	88-1	7056387	7148549	7019633	7074856	0.94	cps
Sulfur	34-1	163865	160449	158711	161008	1.63	cps
Terbium	159-1	7637263	7543303	7722811	7634459	1.18	cps
Terbium	159-2	5336255	5369508	5466172	5390645	1.25	cps
Thallium	203-1	1662266	1676843	1663752	1667620	0.48	cps
Thallium	205-1	4190246	4243429	4224172	4219282	0.64	cps
Tin	118-1	1983743	2076717	2004831	2021764	2.41	cps
Titanium	47-1	3536871	3538954	3516016	3530614	0.36	cps

Reviewed By:jaswal
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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:15:02	DataFile Name :	015ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6532766	6739261	6654969	6642332	1.56	cps
Vanadium	51-2	972128	956848	976402	968459	1.06	cps
Yttrium	89-1	11567116	11599427	11457599	11541381	0.64	cps
Yttrium	89-2	3353142	3459496	3372362	3395000	1.67	cps
Zinc	66-2	229798	229278	228508	229195	0.28	cps
Zirconium	90-1	4483391	4471916	4421341	4458883	0.74	cps
Zirconium	91-1	986313	1000298	981823	989478	0.97	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:26:29	DataFile Name :	018LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4784	4724	4684	4731	1.06	cps
Antimony	121-1	10404	10314	10371	10363	0.44	cps
Arsenic	75-2	367	393	390	383	3.79	cps
Barium	135-1	11812	11608	11275	11565	2.34	cps
Barium	137-1	20031	19731	20338	20033	1.52	cps
Beryllium	9-1	700	697	627	674	6.14	cps
Bismuth	209-1	4638558	4734251	4662491	4678433	1.06	cps
Bismuth	209-2	4065333	4009890	3994114	4023112	0.93	cps
Bromine	81-1	9867	9667	9757	9763	1.03	cps
Bromine	81-2	143	157	167	156	7.52	cps
Cadmium	108-1	133	117	160	137	15.99	cps
Cadmium	106-1	2860	3040	2767	2889	4.81	cps
Cadmium	111-1	3559	3700	3605	3621	1.99	cps
Calcium	43-1	8056	7915	8219	8063	1.88	cps
Calcium	44-1	151452	153362	151913	152242	0.65	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8402	7959	8496	8286	3.46	cps
Cobalt	59-2	5018	4707	4557	4761	4.93	cps
Copper	63-2	8166	8449	7652	8089	5.00	cps
Dysprosium	156-1	17	17	3	12	63.01	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	47	53	63	54	15.40	cps
Erbium	164-2	40	47	50	46	11.18	cps
Gadolinium	160-1	37	63	47	49	27.55	cps
Gadolinium	160-2	340	303	347	330	7.07	cps
Holmium	165-1	7576513	7349339	7464098	7463317	1.52	cps
Holmium	165-2	5586202	5532483	5550745	5556477	0.49	cps
Indium	115-1	6655627	6395849	6420131	6490536	2.21	cps
Indium	115-2	2661193	2551346	2617927	2610155	2.12	cps
Iron	56-2	159996	158889	159187	159358	0.36	cps
Iron	57-2	4988	5501	5224	5238	4.91	cps
Iron	54-2	10637	10604	10564	10602	0.35	cps
Krypton	83-1	483	460	423	456	6.64	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:26:29	DataFile Name :	018LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3597	3407	3437	3480	2.94	cps
Lead	207-1	2984	3037	3197	3073	3.61	cps
Lead	208-1	13783	14073	13863	13906	1.08	cps
Lithium	6-1	435269	437667	431738	434891	0.69	cps
Magnesium	24-2	136162	135506	133425	135031	1.06	cps
Manganese	55-2	3354	3120	3214	3229	3.64	cps
Molybdenum	94-1	11671	11545	11635	11617	0.56	cps
Molybdenum	95-1	13963	13780	13883	13876	0.66	cps
Molybdenum	96-1	15445	15255	15251	15317	0.72	cps
Molybdenum	97-1	8699	8836	8990	8842	1.64	cps
Molybdenum	98-1	22377	21993	21543	21971	1.90	cps
Neodymium	150-1	3	13	7	8	65.47	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	1803	1550	1727	1693	7.67	cps
Phosphorus	31-2	2874	2874	2864	2870	0.20	cps
Potassium	39-2	241498	241592	239403	240831	0.51	cps
Rhodium	103-1	6758334	6658836	6610517	6675896	1.13	cps
Rhodium	103-2	4434657	4320456	4343528	4366214	1.38	cps
Scandium	45-1	4187019	4030749	4077191	4098320	1.96	cps
Scandium	45-2	448322	441866	446422	445537	0.74	cps
Selenium	82-1	813	909	943	889	7.61	cps
Selenium	77-2	97	70	53	73	29.81	cps
Selenium	78-2	743	677	777	732	6.95	cps
Silicon	28-1	774084	777742	768123	773316	0.63	cps
Silver	107-1	7345	7619	7535	7500	1.87	cps
Silver	109-1	7002	7165	7035	7067	1.22	cps
Sodium	23-2	247918	247391	241246	245518	1.51	cps
Strontium	86-1	2494	2607	2530	2544	2.27	cps
Strontium	88-1	15438	14858	15178	15158	1.92	cps
Sulfur	34-1	172080	172744	172950	172591	0.26	cps
Terbium	159-1	7992092	7613116	7517841	7707683	3.25	cps
Terbium	159-2	5657604	5529038	5470040	5552227	1.73	cps
Thallium	203-1	4854	4801	4788	4814	0.73	cps
Thallium	205-1	11382	11769	11365	11505	1.99	cps
Tin	118-1	21890	23643	22982	22838	3.88	cps
Titanium	47-1	3937	4017	3704	3886	4.19	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:26:29	DataFile Name :	018LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12873	12216	12683	12591	2.69	cps
Vanadium	51-2	12298	12148	12085	12177	0.90	cps
Yttrium	89-1	11852825	11226339	11540854	11540006	2.71	cps
Yttrium	89-2	3548945	3458583	3484096	3497208	1.33	cps
Zinc	66-2	8106	7582	7899	7862	3.35	cps
Zirconium	90-1	9990	9810	10427	10076	3.15	cps
Zirconium	91-1	2234	2244	2200	2226	1.02	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:29:44	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1757	1610	1633	1667	4.73	cps
Antimony	121-1	107	57	117	93	34.44	cps
Arsenic	75-2	13	10	23	16	44.60	cps
Barium	135-1	93	47	53	64	39.16	cps
Barium	137-1	153	97	123	124	22.78	cps
Beryllium	9-1	17	7	0	8	107.84	cps
Bismuth	209-1	4815002	4541886	4814627	4723838	3.34	cps
Bismuth	209-2	4020545	4063335	4074490	4052790	0.70	cps
Bromine	81-1	9617	10107	9953	9892	2.54	cps
Bromine	81-2	157	170	147	158	7.42	cps
Cadmium	108-1	3	10	23	12	83.33	cps
Cadmium	106-1	2760	2790	2764	2771	0.59	cps
Cadmium	111-1	1963	1970	1942	1958	0.75	cps
Calcium	43-1	387	400	360	382	5.33	cps
Calcium	44-1	29038	28464	28651	28718	1.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2530	2667	2660	2619	2.94	cps
Cobalt	59-2	113	97	127	112	13.39	cps
Copper	63-2	1390	1180	1233	1268	8.61	cps
Dysprosium	156-1	10	7	0	6	91.64	cps
Dysprosium	156-2	0	10	0	3	173.21	cps
Erbium	164-1	83	60	73	72	16.21	cps
Erbium	164-2	37	47	53	46	18.41	cps
Gadolinium	160-1	83	60	37	60	38.88	cps
Gadolinium	160-2	337	307	310	318	5.17	cps
Holmium	165-1	7499289	7531009	7308316	7446205	1.62	cps
Holmium	165-2	5656049	5558161	5570533	5594914	0.95	cps
Indium	115-1	6580985	6649223	6629121	6619776	0.53	cps
Indium	115-2	2589863	2657716	2624830	2624136	1.29	cps
Iron	56-2	23762	22914	23185	23287	1.86	cps
Iron	57-2	1770	1747	1753	1757	0.68	cps
Iron	54-2	3040	2960	2867	2956	2.94	cps
Krypton	83-1	523	453	517	498	7.76	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:29:44	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	547	497	473	506	7.41	cps
Lead	207-1	527	437	467	477	9.61	cps
Lead	208-1	2100	1937	1897	1978	5.45	cps
Lithium	6-1	441570	435345	425030	433981	1.92	cps
Magnesium	24-2	583	467	500	517	11.63	cps
Manganese	55-2	863	820	750	811	7.05	cps
Molybdenum	94-1	360	313	373	349	9.03	cps
Molybdenum	95-1	327	320	317	321	1.59	cps
Molybdenum	96-1	420	363	377	387	7.66	cps
Molybdenum	97-1	230	253	200	228	11.74	cps
Molybdenum	98-1	540	573	543	552	3.32	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	7	7	3	6	34.70	cps
Nickel	60-2	620	517	587	574	9.18	cps
Phosphorus	31-2	713	710	710	711	0.27	cps
Potassium	39-2	77352	77087	77600	77346	0.33	cps
Rhodium	103-1	6665012	6497124	6672907	6611681	1.50	cps
Rhodium	103-2	4253031	4341686	4289753	4294823	1.04	cps
Scandium	45-1	4194516	4150456	4200963	4181978	0.66	cps
Scandium	45-2	440029	440548	437031	439203	0.43	cps
Selenium	82-1	242	287	299	276	10.94	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	527	560	560	549	3.51	cps
Silicon	28-1	747840	762820	764993	758551	1.23	cps
Silver	107-1	187	123	163	158	20.30	cps
Silver	109-1	140	117	153	137	13.58	cps
Sodium	23-2	37278	37716	37392	37462	0.61	cps
Strontium	86-1	797	893	880	857	6.12	cps
Strontium	88-1	363	367	260	330	18.38	cps
Sulfur	34-1	168073	168302	169647	168674	0.50	cps
Terbium	159-1	7761961	7535604	7621885	7639817	1.50	cps
Terbium	159-2	5433200	5648047	5530559	5537269	1.94	cps
Thallium	203-1	313	333	303	317	4.82	cps
Thallium	205-1	783	827	833	814	3.33	cps
Tin	118-1	1080	1023	1063	1056	2.76	cps
Titanium	47-1	87	90	133	103	25.20	cps

Reviewed By:jaswal
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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:29:44	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	130	20	27	59	104.73	cps
Vanadium	51-2	13	37	27	26	45.82	cps
Yttrium	89-1	11928727	11558868	11779156	11755584	1.58	cps
Yttrium	89-2	3461518	3560503	3427235	3483085	1.99	cps
Zinc	66-2	4581	4864	4751	4732	3.01	cps
Zirconium	90-1	550	517	543	537	3.29	cps
Zirconium	91-1	77	123	70	90	32.29	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:33:02	DataFile Name :	020ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15050232	15052002	14940825	15014353	0.42	cps
Antimony	121-1	5488	5751	6035	5758	4.75	cps
Arsenic	75-2	137	127	107	123	12.39	cps
Barium	135-1	1643	1903	1677	1741	8.13	cps
Barium	137-1	3264	3010	3207	3160	4.21	cps
Beryllium	9-1	207	133	180	173	21.41	cps
Bismuth	209-1	4725802	4721160	4792338	4746433	0.84	cps
Bismuth	209-2	3970097	3899794	4055364	3975085	1.96	cps
Bromine	81-1	10874	12252	11761	11629	6.01	cps
Bromine	81-2	400	427	467	431	7.78	cps
Cadmium	108-1	793	767	700	753	6.38	cps
Cadmium	106-1	2714	2890	2784	2796	3.18	cps
Cadmium	111-1	2264	2280	2295	2280	0.68	cps
Calcium	43-1	1482785	1456718	1475501	1471668	0.91	cps
Calcium	44-1	24056638	23684089	24392894	24044540	1.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61529	62174	61144	61616	0.85	cps
Cobalt	59-2	5831	6148	5911	5963	2.76	cps
Copper	63-2	26781	27108	26707	26865	0.79	cps
Dysprosium	156-1	10	13	20	14	35.26	cps
Dysprosium	156-2	30	13	7	17	72.11	cps
Erbium	164-1	67	80	70	72	9.61	cps
Erbium	164-2	53	53	47	51	7.52	cps
Gadolinium	160-1	53	67	43	54	21.51	cps
Gadolinium	160-2	323	357	373	351	7.25	cps
Holmium	165-1	7930666	8114204	7740112	7928327	2.36	cps
Holmium	165-2	5690344	5692116	5911913	5764791	2.21	cps
Indium	115-1	6792899	6674317	6601027	6689415	1.45	cps
Indium	115-2	2618630	2614341	2657116	2630029	0.90	cps
Iron	56-2	260206616	263579649	267613989	263800085	1.41	cps
Iron	57-2	6574667	6404490	6420054	6466404	1.45	cps
Iron	54-2	14468612	14558324	14771899	14599612	1.07	cps
Krypton	83-1	447	593	480	507	15.17	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:33:02	DataFile Name :	020ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17131	18079	18126	17778	3.16	cps
Lead	207-1	13624	14231	14772	14209	4.04	cps
Lead	208-1	64019	67058	67879	66319	3.07	cps
Lithium	6-1	443789	444087	434127	440668	1.29	cps
Magnesium	24-2	26319430	26522368	27271838	26704545	1.88	cps
Manganese	55-2	17771	18525	18795	18364	2.89	cps
Molybdenum	94-1	3206115	3229720	3126846	3187560	1.69	cps
Molybdenum	95-1	5463197	5662450	5492666	5539437	1.94	cps
Molybdenum	96-1	5816938	5900869	5794831	5837546	0.96	cps
Molybdenum	97-1	3406770	3495575	3429648	3443998	1.34	cps
Molybdenum	98-1	8847129	8898353	8718976	8821486	1.05	cps
Neodymium	150-1	17	33	40	30	40.05	cps
Neodymium	150-2	13	17	13	14	13.35	cps
Nickel	60-2	6952	7138	6842	6977	2.15	cps
Phosphorus	31-2	908857	910508	921203	913523	0.73	cps
Potassium	39-2	32634232	32786508	33148131	32856290	0.80	cps
Rhodium	103-1	6740736	6642063	6770668	6717823	1.00	cps
Rhodium	103-2	4378899	4277488	4356774	4337720	1.23	cps
Scandium	45-1	4249647	4059477	4248190	4185771	2.61	cps
Scandium	45-2	456812	457807	457829	457483	0.13	cps
Selenium	82-1	316	220	415	317	30.71	cps
Selenium	77-2	7	0	3	3	100.05	cps
Selenium	78-2	600	550	497	549	9.41	cps
Silicon	28-1	807476	828591	830696	822254	1.56	cps
Silver	107-1	480	357	393	410	15.45	cps
Silver	109-1	477	470	393	447	10.37	cps
Sodium	23-2	44714646	45127546	44241514	44694569	0.99	cps
Strontium	86-1	58251	58774	60129	59051	1.64	cps
Strontium	88-1	512149	517374	513293	514272	0.53	cps
Sulfur	34-1	2517708	2441124	2570559	2509797	2.59	cps
Terbium	159-1	8299133	7899878	8326304	8175105	2.92	cps
Terbium	159-2	5554537	5709992	5666392	5643640	1.42	cps
Thallium	203-1	403	477	523	468	12.93	cps
Thallium	205-1	1083	1173	1223	1160	6.12	cps
Tin	118-1	2597	3287	3327	3070	13.37	cps
Titanium	47-1	1488849	1468650	1517899	1491799	1.66	cps

Reviewed By:jaswal
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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:33:02	DataFile Name :	020ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	420	260	270	317	28.30	cps
Vanadium	51-2	540	497	503	513	4.55	cps
Yttrium	89-1	12231227	12000016	12068648	12099964	0.98	cps
Yttrium	89-2	3607584	3524639	3599416	3577213	1.28	cps
Zinc	66-2	10764	10894	10430	10696	2.24	cps
Zirconium	90-1	680	677	720	692	3.48	cps
Zirconium	91-1	137	133	140	137	2.44	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:36:05	DataFile Name :	021ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15282065	15423856	15282569	15329496	0.53	cps
Antimony	121-1	110263	111699	110354	110772	0.73	cps
Arsenic	75-2	7712	7812	7852	7792	0.93	cps
Barium	135-1	27276	26889	27493	27219	1.12	cps
Barium	137-1	46914	46212	46650	46592	0.76	cps
Beryllium	9-1	12559	12689	12415	12554	1.09	cps
Bismuth	209-1	4816916	4782743	4569441	4723034	2.84	cps
Bismuth	209-2	3975737	4007580	4020712	4001343	0.58	cps
Bromine	81-1	11298	12055	12249	11867	4.23	cps
Bromine	81-2	457	490	430	459	6.55	cps
Cadmium	108-1	2780	2864	2830	2825	1.49	cps
Cadmium	106-1	6081	6165	6091	6112	0.74	cps
Cadmium	111-1	31898	31581	32151	31876	0.90	cps
Calcium	43-1	1459218	1506889	1519093	1495067	2.12	cps
Calcium	44-1	24035459	24101650	24749707	24295605	1.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	123142	123106	123693	123314	0.27	cps
Cobalt	59-2	100377	100961	98348	99895	1.37	cps
Copper	63-2	95493	94342	95812	95216	0.81	cps
Dysprosium	156-1	30	33	30	31	6.18	cps
Dysprosium	156-2	23	20	17	20	16.65	cps
Erbium	164-1	67	103	60	77	30.44	cps
Erbium	164-2	43	67	60	57	21.21	cps
Gadolinium	160-1	57	47	67	57	17.65	cps
Gadolinium	160-2	440	360	333	378	14.69	cps
Holmium	165-1	8226485	7996109	7844901	8022498	2.40	cps
Holmium	165-2	5960390	5893460	5797478	5883776	1.39	cps
Indium	115-1	7067804	6720687	6647000	6811830	3.30	cps
Indium	115-2	2664419	2675048	2607799	2649089	1.36	cps
Iron	56-2	268445236	271194436	273449236	271029636	0.92	cps
Iron	57-2	6718009	6607865	6689871	6671915	0.86	cps
Iron	54-2	14913258	14999105	14825342	14912568	0.58	cps
Krypton	83-1	547	503	507	519	4.65	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:36:05	DataFile Name :	021ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	94377	93891	92823	93697	0.85	cps
Lead	207-1	76201	75863	76242	76102	0.27	cps
Lead	208-1	353876	354547	351877	353433	0.39	cps
Lithium	6-1	440106	426306	418975	428463	2.50	cps
Magnesium	24-2	27301653	26572470	26364025	26746050	1.84	cps
Manganese	55-2	65415	64832	64441	64896	0.76	cps
Molybdenum	94-1	3527372	3568639	3509742	3535251	0.86	cps
Molybdenum	95-1	5674415	5782048	5826399	5760954	1.36	cps
Molybdenum	96-1	6002131	6152153	6222281	6125522	1.84	cps
Molybdenum	97-1	3505554	3654411	3580147	3580037	2.08	cps
Molybdenum	98-1	9210698	9459722	9297634	9322685	1.36	cps
Neodymium	150-1	17	30	40	29	40.51	cps
Neodymium	150-2	10	40	20	23	65.47	cps
Nickel	60-2	31927	31506	31453	31629	0.82	cps
Phosphorus	31-2	928419	926740	935498	930219	0.50	cps
Potassium	39-2	33918190	33748171	34397736	34021366	0.99	cps
Rhodium	103-1	6861393	6900238	6810495	6857375	0.66	cps
Rhodium	103-2	4442482	4352599	4282734	4359272	1.84	cps
Scandium	45-1	4310608	4147373	4293301	4250427	2.11	cps
Scandium	45-2	463259	475352	470488	469700	1.30	cps
Selenium	82-1	2462	2703	2649	2605	4.85	cps
Selenium	77-2	333	230	250	271	20.22	cps
Selenium	78-2	1340	1360	1643	1448	11.72	cps
Silicon	28-1	1258029	1241051	1263053	1254045	0.92	cps
Silver	107-1	144196	144654	145074	144641	0.30	cps
Silver	109-1	135252	134858	135050	135053	0.15	cps
Sodium	23-2	45093381	45460169	45629909	45394487	0.60	cps
Strontium	86-1	149473	154539	151920	151977	1.67	cps
Strontium	88-1	1288111	1301787	1322852	1304250	1.34	cps
Sulfur	34-1	2425612	2425853	2510079	2453848	1.98	cps
Terbium	159-1	8206751	7950933	8116264	8091316	1.60	cps
Terbium	159-2	5825921	5863700	5725990	5805204	1.23	cps
Thallium	203-1	94939	95251	94032	94741	0.67	cps
Thallium	205-1	226284	222649	225361	224765	0.84	cps
Tin	118-1	219550	220414	219825	219930	0.20	cps
Titanium	47-1	1507604	1527435	1564142	1533060	1.87	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:36:05	DataFile Name :	021ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	653084	649788	640635	647836	1.00	cps
Vanadium	51-2	52317	51126	51303	51582	1.25	cps
Yttrium	89-1	12045613	12098936	12306429	12150326	1.13	cps
Yttrium	89-2	3626820	3627374	3571882	3608692	0.88	cps
Zinc	66-2	23656	22687	23035	23126	2.12	cps
Zirconium	90-1	476501	494380	488262	486381	1.87	cps
Zirconium	91-1	106943	110372	108633	108649	1.58	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:39:18	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8248341	8007112	8192929	8149461	1.55	cps
Antimony	121-1	2682852	2771091	2805738	2753227	2.30	cps
Arsenic	75-2	205322	206820	203866	205336	0.72	cps
Barium	135-1	3239962	3307748	3423697	3323802	2.80	cps
Barium	137-1	5732791	5835161	5718807	5762253	1.10	cps
Beryllium	9-1	314603	321438	325258	320433	1.68	cps
Bismuth	209-1	4902183	4667091	4830798	4800024	2.51	cps
Bismuth	209-2	4037028	4093075	4064917	4065007	0.69	cps
Bromine	81-1	10621	11131	11098	10950	2.61	cps
Bromine	81-2	160	173	200	178	11.46	cps
Cadmium	108-1	53371	55065	54496	54311	1.59	cps
Cadmium	106-1	77412	78769	78363	78182	0.89	cps
Cadmium	111-1	735711	751119	761927	749586	1.76	cps
Calcium	43-1	3809297	3925236	3870690	3868408	1.50	cps
Calcium	44-1	62319376	63639939	63374474	63111263	1.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1665297	1622470	1639622	1642463	1.31	cps
Cobalt	59-2	2502299	2519512	2464006	2495273	1.14	cps
Copper	63-2	18926071	18858901	18961284	18915419	0.27	cps
Dysprosium	156-1	177	150	163	163	8.16	cps
Dysprosium	156-2	263	300	273	279	6.80	cps
Erbium	164-1	360	400	330	363	9.67	cps
Erbium	164-2	227	267	313	269	16.13	cps
Gadolinium	160-1	200	190	200	197	2.94	cps
Gadolinium	160-2	483	473	483	480	1.20	cps
Holmium	165-1	8161004	8113632	7894179	8056271	1.77	cps
Holmium	165-2	5921406	6148866	6083804	6051359	1.94	cps
Indium	115-1	6923182	6761023	6778814	6821007	1.30	cps
Indium	115-2	2859379	2860415	2834775	2851523	0.51	cps
Iron	56-2	352813221	348011248	345746555	348857008	1.03	cps
Iron	57-2	8655445	8684963	8529108	8623172	0.96	cps
Iron	54-2	19488613	19087538	19000885	19192345	1.36	cps
Krypton	83-1	493	567	540	533	6.96	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:39:18	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10035911	10147750	10390021	10191228	1.78	cps
Lead	207-1	8615931	8738837	8801989	8718919	1.09	cps
Lead	208-1	39279061	39898414	39765001	39647492	0.82	cps
Lithium	6-1	444664	434021	431299	436661	1.62	cps
Magnesium	24-2	76771626	74144312	75536016	75483984	1.74	cps
Manganese	55-2	13543520	13404893	13570156	13506190	0.66	cps
Molybdenum	94-1	10781953	10854692	10994214	10876953	0.99	cps
Molybdenum	95-1	15354693	15386817	15355332	15365614	0.12	cps
Molybdenum	96-1	16242563	16843701	16480077	16522114	1.83	cps
Molybdenum	97-1	9333587	9741999	9622635	9566073	2.20	cps
Molybdenum	98-1	24650507	24569602	24870476	24696862	0.63	cps
Neodymium	150-1	140	160	160	153	7.53	cps
Neodymium	150-2	57	67	87	70	21.82	cps
Nickel	60-2	631369	634877	631292	632513	0.32	cps
Phosphorus	31-2	101562	101260	101603	101475	0.18	cps
Potassium	39-2	44220393	43257058	43683914	43720455	1.10	cps
Rhodium	103-1	6929836	6885693	6902554	6906028	0.32	cps
Rhodium	103-2	4461658	4618125	4635477	4571753	2.09	cps
Scandium	45-1	4501983	4320124	4443979	4422029	2.10	cps
Scandium	45-2	495757	508260	502683	502233	1.25	cps
Selenium	82-1	57567	58866	58572	58335	1.17	cps
Selenium	77-2	7152	7439	6915	7168	3.66	cps
Selenium	78-2	24560	24534	24778	24624	0.54	cps
Silicon	28-1	10331713	10627764	10533293	10497590	1.44	cps
Silver	107-1	3784661	3756728	3780681	3774023	0.40	cps
Silver	109-1	3561484	3559636	3533487	3551536	0.44	cps
Sodium	23-2	119573045	116539032	115308402	117140159	1.87	cps
Strontium	86-1	978161	990619	995241	988007	0.89	cps
Strontium	88-1	8664757	8647093	8675728	8662526	0.17	cps
Sulfur	34-1	399312	409806	411581	406900	1.63	cps
Terbium	159-1	8241582	8167507	8356140	8255076	1.15	cps
Terbium	159-2	5942939	6111857	5884223	5979673	1.98	cps
Thallium	203-1	2481623	2457301	2534641	2491188	1.59	cps
Thallium	205-1	5798919	5997573	6184030	5993507	3.21	cps
Tin	118-1	2332081	2358553	2305763	2332132	1.13	cps
Titanium	47-1	4057503	4069021	4046848	4057791	0.27	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:39:18	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7395154	7543960	7564067	7501061	1.23	cps
Vanadium	51-2	1408548	1408153	1390177	1402293	0.75	cps
Yttrium	89-1	12771590	12430471	12565190	12589084	1.36	cps
Yttrium	89-2	3891597	3923549	3779847	3864998	1.95	cps
Zinc	66-2	3245844	3252898	3244537	3247760	0.14	cps
Zirconium	90-1	5255972	5358537	5325415	5313308	0.99	cps
Zirconium	91-1	1161286	1173473	1174368	1169709	0.62	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:44:49	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1837	1747	1607	1730	6.70	cps
Antimony	121-1	330	393	327	350	10.73	cps
Arsenic	75-2	7	10	20	12	56.76	cps
Barium	135-1	117	60	47	74	49.93	cps
Barium	137-1	140	120	117	126	10.05	cps
Beryllium	9-1	17	17	10	14	26.66	cps
Bismuth	209-1	4743700	4814086	4808363	4788716	0.82	cps
Bismuth	209-2	4118528	4121067	4070078	4103225	0.70	cps
Bromine	81-1	11211	11111	11208	11177	0.51	cps
Bromine	81-2	143	123	103	123	16.22	cps
Cadmium	108-1	10	3	13	9	57.30	cps
Cadmium	106-1	2624	2694	2774	2697	2.78	cps
Cadmium	111-1	1880	1927	1966	1924	2.24	cps
Calcium	43-1	487	407	370	421	14.17	cps
Calcium	44-1	29816	29883	29810	29836	0.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2697	2790	2727	2738	1.74	cps
Cobalt	59-2	103	107	107	106	1.82	cps
Copper	63-2	1723	1780	1587	1697	5.86	cps
Dysprosium	156-1	7	10	7	8	24.71	cps
Dysprosium	156-2	7	3	0	3	100.05	cps
Erbium	164-1	53	43	53	50	11.55	cps
Erbium	164-2	53	43	27	41	32.76	cps
Gadolinium	160-1	57	50	33	47	25.76	cps
Gadolinium	160-2	367	367	257	330	19.25	cps
Holmium	165-1	7820214	7423456	7745983	7663218	2.75	cps
Holmium	165-2	5787489	5829503	5663255	5760082	1.50	cps
Indium	115-1	6959841	6773664	6750104	6827870	1.68	cps
Indium	115-2	2759584	2790321	2768617	2772841	0.57	cps
Iron	56-2	26761	27034	26891	26895	0.51	cps
Iron	57-2	1927	1917	1783	1876	4.27	cps
Iron	54-2	2964	3060	3120	3048	2.59	cps
Krypton	83-1	543	517	507	522	3.63	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:44:49	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	680	620	613	638	5.76	cps
Lead	207-1	657	473	523	551	17.20	cps
Lead	208-1	2537	2387	2463	2462	3.05	cps
Lithium	6-1	424940	416155	414880	418658	1.31	cps
Magnesium	24-2	793	673	730	732	8.20	cps
Manganese	55-2	910	983	897	930	5.02	cps
Molybdenum	94-1	483	507	543	511	5.92	cps
Molybdenum	95-1	510	530	450	497	8.38	cps
Molybdenum	96-1	617	560	547	574	6.47	cps
Molybdenum	97-1	350	287	340	326	10.46	cps
Molybdenum	98-1	797	767	677	747	8.36	cps
Neodymium	150-1	7	3	23	11	96.43	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	557	600	727	628	14.07	cps
Phosphorus	31-2	680	843	790	771	10.80	cps
Potassium	39-2	86718	86581	86497	86599	0.13	cps
Rhodium	103-1	7006736	7035299	7131691	7057909	0.93	cps
Rhodium	103-2	4593439	4572894	4529259	4565197	0.72	cps
Scandium	45-1	4392450	4292320	4234778	4306516	1.85	cps
Scandium	45-2	463362	463300	461640	462767	0.21	cps
Selenium	82-1	244	243	274	254	6.87	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	690	543	507	580	16.73	cps
Silicon	28-1	787715	799299	779584	788866	1.26	cps
Silver	107-1	293	247	243	261	10.71	cps
Silver	109-1	253	193	247	231	14.23	cps
Sodium	23-2	51643	51750	50877	51423	0.93	cps
Strontium	86-1	840	887	867	864	2.71	cps
Strontium	88-1	400	297	310	336	16.75	cps
Sulfur	34-1	173057	172660	172137	172618	0.27	cps
Terbium	159-1	8002701	7892142	7780532	7891791	1.41	cps
Terbium	159-2	5691966	5775148	5540210	5669108	2.10	cps
Thallium	203-1	607	493	523	541	10.85	cps
Thallium	205-1	1283	1253	1177	1238	4.44	cps
Tin	118-1	1210	1307	1120	1212	7.70	cps
Titanium	47-1	87	127	93	102	20.97	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:44:49	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	143	20	33	66	103.26	cps
Vanadium	51-2	17	10	20	16	32.73	cps
Yttrium	89-1	12489826	12004809	11981366	12158667	2.36	cps
Yttrium	89-2	3572339	3696104	3580832	3616425	1.91	cps
Zinc	66-2	4791	4958	4904	4884	1.74	cps
Zirconium	90-1	680	640	720	680	5.88	cps
Zirconium	91-1	180	120	197	166	24.36	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:48:04	DataFile Name :	024LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5311	5061	4827	5066	4.77	cps
Antimony	121-1	10564	10831	11131	10842	2.62	cps
Arsenic	75-2	413	397	440	417	5.25	cps
Barium	135-1	12853	12856	12836	12848	0.08	cps
Barium	137-1	22478	22268	21850	22199	1.44	cps
Beryllium	9-1	713	700	690	701	1.67	cps
Bismuth	209-1	4680744	4802015	4760683	4747814	1.30	cps
Bismuth	209-2	4034302	4089537	4098049	4073963	0.85	cps
Bromine	81-1	10804	10554	10721	10693	1.19	cps
Bromine	81-2	167	140	100	136	24.75	cps
Cadmium	108-1	93	137	117	116	18.77	cps
Cadmium	106-1	3197	2864	2860	2974	6.51	cps
Cadmium	111-1	3629	3572	3604	3602	0.79	cps
Calcium	43-1	8649	8959	8563	8724	2.39	cps
Calcium	44-1	167516	167196	168662	167791	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9163	9346	8819	9109	2.94	cps
Cobalt	59-2	5338	5511	5331	5393	1.89	cps
Copper	63-2	9136	8876	8349	8787	4.56	cps
Dysprosium	156-1	13	7	7	9	43.25	cps
Dysprosium	156-2	20	7	7	11	69.25	cps
Erbium	164-1	87	43	63	64	33.66	cps
Erbium	164-2	43	27	40	37	24.04	cps
Gadolinium	160-1	60	53	43	52	16.07	cps
Gadolinium	160-2	347	320	320	329	4.68	cps
Holmium	165-1	7805688	7832453	7710755	7782965	0.82	cps
Holmium	165-2	5730300	5656774	5656526	5681200	0.75	cps
Indium	115-1	6818105	6800254	6822450	6813603	0.17	cps
Indium	115-2	2719099	2704974	2729605	2717893	0.45	cps
Iron	56-2	179368	179716	175222	178102	1.40	cps
Iron	57-2	5808	5841	5681	5777	1.46	cps
Iron	54-2	11558	11771	11435	11588	1.47	cps
Krypton	83-1	507	437	467	470	7.47	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:48:04	DataFile Name :	024LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4291	4451	4174	4305	3.23	cps
Lead	207-1	3577	3721	3937	3745	4.84	cps
Lead	208-1	16874	17448	17411	17244	1.86	cps
Lithium	6-1	420750	420107	417251	419369	0.44	cps
Magnesium	24-2	149552	147923	145809	147761	1.27	cps
Manganese	55-2	3210	3434	3310	3318	3.37	cps
Molybdenum	94-1	12913	12936	12779	12876	0.66	cps
Molybdenum	95-1	15268	15018	15218	15168	0.87	cps
Molybdenum	96-1	17244	17421	17047	17237	1.08	cps
Molybdenum	97-1	9610	9640	9887	9712	1.56	cps
Molybdenum	98-1	24775	24641	24978	24798	0.68	cps
Neodymium	150-1	0	17	10	9	94.38	cps
Neodymium	150-2	0	3	20	8	137.80	cps
Nickel	60-2	2094	1923	1947	1988	4.64	cps
Phosphorus	31-2	970	910	1013	964	5.38	cps
Potassium	39-2	269878	268989	267558	268808	0.44	cps
Rhodium	103-1	6949241	7012017	6991875	6984378	0.46	cps
Rhodium	103-2	4486800	4487730	4428709	4467746	0.76	cps
Scandium	45-1	4299565	4237623	4239852	4259013	0.82	cps
Scandium	45-2	464353	459640	463058	462350	0.53	cps
Selenium	82-1	923	995	1005	975	4.60	cps
Selenium	77-2	107	100	97	101	5.04	cps
Selenium	78-2	820	880	747	816	8.19	cps
Silicon	28-1	788005	796178	1075519	886567	18.46	cps
Silver	107-1	7635	7906	7585	7709	2.23	cps
Silver	109-1	7245	7332	7192	7256	0.97	cps
Sodium	23-2	277671	275089	273768	275510	0.72	cps
Strontium	86-1	2704	2740	2874	2773	3.23	cps
Strontium	88-1	16646	16656	17123	16809	1.62	cps
Sulfur	34-1	175616	175323	178055	176331	0.85	cps
Terbium	159-1	7870135	7797149	7845181	7837488	0.47	cps
Terbium	159-2	5625082	5576637	5611112	5604277	0.44	cps
Thallium	203-1	5188	5231	5161	5193	0.68	cps
Thallium	205-1	12209	12392	11889	12163	2.10	cps
Tin	118-1	24117	24471	24007	24198	1.00	cps
Titanium	47-1	3994	3991	4047	4011	0.79	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:48:04	DataFile Name :	024LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13420	13263	13507	13397	0.92	cps
Vanadium	51-2	13429	13973	13790	13731	2.01	cps
Yttrium	89-1	12049737	12305304	12269879	12208307	1.13	cps
Yttrium	89-2	3577539	3629314	3581859	3596237	0.80	cps
Zinc	66-2	8152	8076	8362	8197	1.81	cps
Zirconium	90-1	10444	10444	10407	10432	0.20	cps
Zirconium	91-1	2297	2280	2350	2309	1.58	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:58:57	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2700	2920	2870	2830	4.08	cps
Antimony	121-1	2117	2114	2034	2088	2.26	cps
Arsenic	75-2	240	183	183	202	16.18	cps
Barium	135-1	2494	2367	2327	2396	3.63	cps
Barium	137-1	4057	4137	4091	4095	0.98	cps
Beryllium	9-1	203	320	280	268	22.14	cps
Bismuth	209-1	4759122	4642158	4606861	4669380	1.71	cps
Bismuth	209-2	3993136	3891719	3966850	3950568	1.33	cps
Bromine	81-1	10891	10888	10517	10765	2.00	cps
Bromine	81-2	200	227	230	219	7.51	cps
Cadmium	108-1	40	37	47	41	12.39	cps
Cadmium	106-1	2607	2707	2500	2605	3.97	cps
Cadmium	111-1	2307	2483	2268	2352	4.87	cps
Calcium	43-1	3634	3597	3384	3538	3.82	cps
Calcium	44-1	76643	77983	76110	76912	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3974	3507	3650	3710	6.44	cps
Cobalt	59-2	1890	1980	1833	1901	3.89	cps
Copper	63-2	3944	3754	3787	3828	2.65	cps
Dysprosium	156-1	7	17	10	11	45.82	cps
Dysprosium	156-2	13	3	7	8	65.47	cps
Erbium	164-1	87	37	57	60	41.94	cps
Erbium	164-2	37	40	43	40	8.32	cps
Gadolinium	160-1	53	33	37	41	26.06	cps
Gadolinium	160-2	357	360	327	348	5.28	cps
Holmium	165-1	7578076	7679472	7413505	7557018	1.78	cps
Holmium	165-2	5611404	5427960	5612319	5550561	1.91	cps
Indium	115-1	6536066	6640530	6600067	6592221	0.80	cps
Indium	115-2	2694590	2668730	2662310	2675210	0.64	cps
Iron	56-2	82640	81419	81285	81781	0.91	cps
Iron	57-2	3207	3397	3404	3336	3.35	cps
Iron	54-2	6058	6185	5895	6046	2.41	cps
Krypton	83-1	483	490	580	518	10.43	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:58:57	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1940	1867	1707	1838	6.49	cps
Lead	207-1	1633	1613	1553	1600	2.60	cps
Lead	208-1	7268	7207	7104	7193	1.15	cps
Lithium	6-1	403747	409048	411346	408047	0.96	cps
Magnesium	24-2	52760	51302	53192	52418	1.89	cps
Manganese	55-2	2520	2437	2494	2484	1.71	cps
Molybdenum	94-1	2227	2190	2224	2214	0.92	cps
Molybdenum	95-1	1503	1363	1290	1386	7.82	cps
Molybdenum	96-1	1817	1733	1770	1773	2.36	cps
Molybdenum	97-1	913	867	970	917	5.65	cps
Molybdenum	98-1	2200	2220	2264	2228	1.45	cps
Neodymium	150-1	10	7	7	8	24.71	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	957	1010	1033	1000	3.93	cps
Phosphorus	31-2	677	707	827	737	10.77	cps
Potassium	39-2	124453	122521	123744	123573	0.79	cps
Rhodium	103-1	6887184	6748246	6760194	6798541	1.13	cps
Rhodium	103-2	4425902	4346037	4417129	4396356	1.00	cps
Scandium	45-1	4210674	4149980	4162718	4174458	0.77	cps
Scandium	45-2	447255	450489	452442	450062	0.58	cps
Selenium	82-1	636	604	436	559	19.24	cps
Selenium	77-2	33	53	53	47	24.75	cps
Selenium	78-2	763	750	720	744	2.98	cps
Silicon	28-1	786629	787725	774819	783058	0.91	cps
Silver	107-1	3097	3147	2950	3065	3.34	cps
Silver	109-1	2820	2834	2757	2804	1.46	cps
Sodium	23-2	121633	121031	120508	121057	0.47	cps
Strontium	86-1	1640	1500	1493	1545	5.36	cps
Strontium	88-1	6275	6205	6261	6247	0.60	cps
Sulfur	34-1	177717	179517	178381	178538	0.51	cps
Terbium	159-1	7640981	7621791	7616158	7626310	0.17	cps
Terbium	159-2	5490245	5410668	5441781	5447565	0.74	cps
Thallium	203-1	2077	2157	1970	2068	4.53	cps
Thallium	205-1	4958	4891	4831	4893	1.30	cps
Tin	118-1	2514	2394	2604	2504	4.21	cps
Titanium	47-1	367	390	397	384	4.10	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 12:58:57	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5188	4884	4821	4964	3.95	cps
Vanadium	51-2	1043	920	930	964	7.10	cps
Yttrium	89-1	11739380	11749096	11704542	11731006	0.20	cps
Yttrium	89-2	3543794	3404722	3482613	3477043	2.00	cps
Zinc	66-2	3744	3624	3670	3679	1.64	cps
Zirconium	90-1	3774	3847	3977	3866	2.66	cps
Zirconium	91-1	790	983	877	883	10.96	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-16	Instrumnet Name :	P7
Client Sample ID :	LLOQ-SOIL-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:14:07	DataFile Name :	029LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4871	5021	4847	4913	1.92	cps
Antimony	121-1	9987	9987	10227	10067	1.38	cps
Arsenic	75-2	427	410	343	393	11.21	cps
Barium	135-1	11531	11862	11805	11733	1.51	cps
Barium	137-1	20435	20248	20201	20295	0.61	cps
Beryllium	9-1	657	650	610	639	3.95	cps
Bismuth	209-1	4540242	4608214	4504133	4550863	1.16	cps
Bismuth	209-2	3985082	3972449	4017361	3991631	0.58	cps
Bromine	81-1	10310	10507	10387	10402	0.95	cps
Bromine	81-2	167	123	130	140	16.67	cps
Cadmium	108-1	103	123	113	113	8.82	cps
Cadmium	106-1	2790	3074	3004	2956	4.99	cps
Cadmium	111-1	3514	3785	3657	3652	3.71	cps
Calcium	43-1	8096	7922	8596	8205	4.26	cps
Calcium	44-1	153132	153695	154786	153871	0.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8382	8626	8616	8541	1.61	cps
Cobalt	59-2	4951	4814	4781	4849	1.86	cps
Copper	63-2	8039	7959	7812	7937	1.45	cps
Dysprosium	156-1	10	10	3	8	49.52	cps
Dysprosium	156-2	7	7	10	8	24.71	cps
Erbium	164-1	53	57	70	60	14.70	cps
Erbium	164-2	47	33	33	38	20.39	cps
Gadolinium	160-1	80	47	67	64	26.03	cps
Gadolinium	160-2	343	330	320	331	3.53	cps
Holmium	165-1	7509297	7602934	7510364	7540865	0.71	cps
Holmium	165-2	5677552	5652942	5588566	5639687	0.81	cps
Indium	115-1	6671850	6665419	6463135	6600135	1.80	cps
Indium	115-2	2687761	2741808	2679942	2703171	1.25	cps
Iron	56-2	165296	166422	161414	164377	1.60	cps
Iron	57-2	5428	5608	5518	5518	1.63	cps
Iron	54-2	11128	11358	10464	10983	4.23	cps
Krypton	83-1	500	527	497	508	3.24	cps

Reviewed By:jaswal
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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-16	Instrumnet Name :	P7
Client Sample ID :	LLOQ-SOIL-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:14:07	DataFile Name :	029LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3337	3817	3504	3553	6.86	cps
Lead	207-1	3164	2834	2924	2974	5.74	cps
Lead	208-1	13666	14046	13459	13724	2.17	cps
Lithium	6-1	423528	424827	425866	424740	0.28	cps
Magnesium	24-2	137812	137419	136068	137099	0.67	cps
Manganese	55-2	3430	3434	3284	3383	2.53	cps
Molybdenum	94-1	12349	12002	12112	12154	1.46	cps
Molybdenum	95-1	13880	14437	13650	13989	2.89	cps
Molybdenum	96-1	15301	15779	15185	15422	2.04	cps
Molybdenum	97-1	8839	8653	8566	8686	1.61	cps
Molybdenum	98-1	22431	22454	22497	22461	0.15	cps
Neodymium	150-1	7	10	7	8	24.71	cps
Neodymium	150-2	3	7	10	7	50.03	cps
Nickel	60-2	1693	1700	1657	1683	1.39	cps
Phosphorus	31-2	3157	3227	3050	3145	2.83	cps
Potassium	39-2	249489	249469	248381	249113	0.25	cps
Rhodium	103-1	6703558	6793406	6657345	6718103	1.03	cps
Rhodium	103-2	4475466	4374547	4290507	4380174	2.11	cps
Scandium	45-1	4200038	4093321	4124516	4139292	1.33	cps
Scandium	45-2	465581	465650	456369	462533	1.15	cps
Selenium	82-1	909	849	760	839	8.90	cps
Selenium	77-2	97	83	53	78	28.54	cps
Selenium	78-2	807	733	723	754	6.03	cps
Silicon	28-1	793417	796214	783778	791136	0.82	cps
Silver	107-1	7879	7872	7609	7787	1.98	cps
Silver	109-1	7072	6972	7165	7070	1.37	cps
Sodium	23-2	251486	247319	246258	248354	1.11	cps
Strontium	86-1	2530	2620	2580	2577	1.75	cps
Strontium	88-1	15592	15605	15555	15584	0.17	cps
Sulfur	34-1	190549	190454	189790	190264	0.22	cps
Terbium	159-1	7642502	7525408	7761567	7643159	1.54	cps
Terbium	159-2	5441706	5479241	5564207	5495051	1.14	cps
Thallium	203-1	4761	4728	4724	4738	0.43	cps
Thallium	205-1	11068	11462	11218	11249	1.77	cps
Tin	118-1	22201	22491	22067	22253	0.98	cps
Titanium	47-1	3984	3764	3657	3802	4.38	cps

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Inst Id :P7
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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-16	Instrumnet Name :	P7
Client Sample ID :	LLOQ-SOIL-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:14:07	DataFile Name :	029LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12216	12052	12022	12097	0.86	cps
Vanadium	51-2	12385	12399	12358	12381	0.16	cps
Yttrium	89-1	11755209	11904910	11738728	11799616	0.78	cps
Yttrium	89-2	3589358	3523726	3551814	3554966	0.93	cps
Zinc	66-2	8089	7795	8226	8037	2.74	cps
Zirconium	90-1	10547	10974	10988	10836	2.31	cps
Zirconium	91-1	2414	2320	2490	2408	3.54	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-02	Instrumnet Name :	P7
Client Sample ID :	LOQ-SOIL-02-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:20:43	DataFile Name :	031LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5101	4837	4994	4978	2.66	cps
Antimony	121-1	10557	10227	10107	10297	2.26	cps
Arsenic	75-2	470	403	410	428	8.58	cps
Barium	135-1	12102	11822	11565	11829	2.27	cps
Barium	137-1	20144	20395	20311	20284	0.63	cps
Beryllium	9-1	650	647	693	663	3.93	cps
Bismuth	209-1	4703512	4618786	4540783	4621027	1.76	cps
Bismuth	209-2	3889950	3858607	3855506	3868021	0.49	cps
Bromine	81-1	10774	10767	10671	10737	0.54	cps
Bromine	81-2	153	147	140	147	4.55	cps
Cadmium	108-1	123	150	147	140	10.38	cps
Cadmium	106-1	2920	2977	3157	3018	4.10	cps
Cadmium	111-1	3738	3676	3741	3718	0.99	cps
Calcium	43-1	8412	8419	8182	8338	1.62	cps
Calcium	44-1	154994	153813	154947	154585	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8753	8406	8326	8495	2.67	cps
Cobalt	59-2	4944	4647	4821	4804	3.10	cps
Copper	63-2	7835	7825	7879	7847	0.36	cps
Dysprosium	156-1	3	10	10	8	49.52	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	67	83	57	69	19.55	cps
Erbium	164-2	40	30	17	29	40.51	cps
Gadolinium	160-1	63	47	30	47	35.71	cps
Gadolinium	160-2	317	390	297	334	14.69	cps
Holmium	165-1	7769697	7519972	7697677	7662449	1.68	cps
Holmium	165-2	5806247	5521160	5461797	5596401	3.29	cps
Indium	115-1	6706828	6719065	6670829	6698908	0.37	cps
Indium	115-2	2600386	2623518	2643942	2622615	0.83	cps
Iron	56-2	162796	163665	162662	163041	0.33	cps
Iron	57-2	5218	5458	5344	5340	2.25	cps
Iron	54-2	10764	10914	10487	10722	2.02	cps
Krypton	83-1	543	503	537	528	4.06	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-02	Instrumnet Name :	P7
Client Sample ID :	LOQ-SOIL-02-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:20:43	DataFile Name :	031LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3424	3474	3527	3475	1.49	cps
Lead	207-1	2874	3090	2914	2959	3.90	cps
Lead	208-1	13519	13980	13449	13649	2.11	cps
Lithium	6-1	443715	439290	440748	441251	0.51	cps
Magnesium	24-2	136545	136293	132826	135221	1.54	cps
Manganese	55-2	3214	3424	3114	3250	4.87	cps
Molybdenum	94-1	11952	12102	11952	12002	0.72	cps
Molybdenum	95-1	13763	14027	14290	14027	1.88	cps
Molybdenum	96-1	15518	15111	15602	15410	1.70	cps
Molybdenum	97-1	9120	8706	8836	8887	2.38	cps
Molybdenum	98-1	22761	22297	22564	22541	1.03	cps
Neodymium	150-1	17	17	7	13	43.29	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	1667	1633	1630	1643	1.23	cps
Phosphorus	31-2	2927	2930	3074	2977	2.81	cps
Potassium	39-2	246786	249585	247834	248068	0.57	cps
Rhodium	103-1	6864551	6924994	6787827	6859124	1.00	cps
Rhodium	103-2	4352125	4387847	4308701	4349557	0.91	cps
Scandium	45-1	4247812	4240819	4319507	4269379	1.02	cps
Scandium	45-2	458053	457618	447827	454499	1.27	cps
Selenium	82-1	720	799	778	766	5.38	cps
Selenium	77-2	93	107	77	92	16.30	cps
Selenium	78-2	797	807	770	791	2.40	cps
Silicon	28-1	786319	779718	777731	781256	0.58	cps
Silver	107-1	7695	7058	7339	7364	4.34	cps
Silver	109-1	7025	7182	7225	7144	1.47	cps
Sodium	23-2	247587	246016	245590	246397	0.43	cps
Strontium	86-1	2664	2624	2497	2595	3.35	cps
Strontium	88-1	15465	15819	15845	15710	1.35	cps
Sulfur	34-1	199028	196115	194089	196411	1.26	cps
Terbium	159-1	7816827	7715357	7786146	7772777	0.67	cps
Terbium	159-2	5415080	5415324	5282177	5370860	1.43	cps
Thallium	203-1	4781	4814	4684	4760	1.42	cps
Thallium	205-1	11271	11171	11382	11275	0.93	cps
Tin	118-1	22364	22948	22177	22497	1.79	cps
Titanium	47-1	3891	4014	3941	3948	1.57	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-02	Instrumnet Name :	P7
Client Sample ID :	LOQ-SOIL-02-QT2-2025	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:20:43	DataFile Name :	031LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11779	12256	12256	12097	2.28	cps
Vanadium	51-2	12809	12555	12492	12619	1.33	cps
Yttrium	89-1	11919631	11958316	12004189	11960712	0.35	cps
Yttrium	89-2	3399163	3579626	3455388	3478059	2.66	cps
Zinc	66-2	7512	7775	7629	7639	1.73	cps
Zirconium	90-1	10881	10814	11208	10968	1.92	cps
Zirconium	91-1	2404	2347	2033	2261	8.81	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01RE	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:27:25	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3010	3097	3020	3043	1.56	cps
Antimony	121-1	1900	1953	1883	1912	1.91	cps
Arsenic	75-2	207	190	140	179	19.40	cps
Barium	135-1	2424	2604	2227	2418	7.79	cps
Barium	137-1	4194	3917	4247	4120	4.30	cps
Beryllium	9-1	260	230	273	254	8.72	cps
Bismuth	209-1	4468836	4725094	4514726	4569552	2.99	cps
Bismuth	209-2	3976466	4026581	3851822	3951623	2.28	cps
Bromine	81-1	10657	10631	10657	10648	0.14	cps
Bromine	81-2	200	203	213	206	3.38	cps
Cadmium	108-1	77	93	117	96	21.03	cps
Cadmium	106-1	2490	2680	2734	2635	4.86	cps
Cadmium	111-1	2650	2911	2839	2800	4.82	cps
Calcium	43-1	3417	3464	3274	3385	2.93	cps
Calcium	44-1	76271	76542	75852	76222	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3537	3530	3644	3570	1.78	cps
Cobalt	59-2	1753	1823	1677	1751	4.19	cps
Copper	63-2	3937	3757	3787	3827	2.52	cps
Dysprosium	156-1	0	17	13	10	88.20	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	57	50	63	57	11.76	cps
Erbium	164-2	50	23	63	46	44.71	cps
Gadolinium	160-1	60	40	40	47	24.74	cps
Gadolinium	160-2	340	280	390	337	16.36	cps
Holmium	165-1	7386893	7377095	7427841	7397276	0.36	cps
Holmium	165-2	5511666	5467192	5629037	5535965	1.51	cps
Indium	115-1	6603592	6591849	6602885	6599442	0.10	cps
Indium	115-2	2664370	2658938	2675348	2666219	0.31	cps
Iron	56-2	81446	81650	79117	80738	1.74	cps
Iron	57-2	3324	3294	3327	3315	0.55	cps
Iron	54-2	6035	6198	6045	6092	1.50	cps
Krypton	83-1	467	533	483	494	7.02	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01RE	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:27:25	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1867	1783	1867	1839	2.62	cps
Lead	207-1	1457	1533	1547	1512	3.21	cps
Lead	208-1	6947	6921	7171	7013	1.96	cps
Lithium	6-1	428052	432229	430567	430283	0.49	cps
Magnesium	24-2	51440	51660	51045	51381	0.61	cps
Manganese	55-2	2650	2744	2567	2654	3.33	cps
Molybdenum	94-1	2040	2127	2324	2164	6.71	cps
Molybdenum	95-1	1343	1327	1390	1353	2.43	cps
Molybdenum	96-1	1587	1593	1613	1598	0.87	cps
Molybdenum	97-1	880	957	923	920	4.18	cps
Molybdenum	98-1	2147	2100	2147	2131	1.26	cps
Neodymium	150-1	3	0	0	1	173.21	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	1000	1127	903	1010	11.09	cps
Phosphorus	31-2	763	823	743	777	5.36	cps
Potassium	39-2	121207	121234	122726	121722	0.71	cps
Rhodium	103-1	6690540	6722893	6687452	6700295	0.29	cps
Rhodium	103-2	4293963	4373863	4255241	4307689	1.40	cps
Scandium	45-1	4219657	4147639	4184566	4183954	0.86	cps
Scandium	45-2	448516	443522	445475	445838	0.56	cps
Selenium	82-1	665	541	629	612	10.48	cps
Selenium	77-2	17	47	60	41	53.98	cps
Selenium	78-2	660	667	683	670	1.79	cps
Silicon	28-1	753424	776195	757337	762319	1.60	cps
Silver	107-1	2887	2864	2877	2876	0.41	cps
Silver	109-1	2597	2737	2747	2694	3.11	cps
Sodium	23-2	117149	117444	116943	117179	0.21	cps
Strontium	86-1	1497	1510	1553	1520	1.95	cps
Strontium	88-1	6101	6148	6195	6148	0.76	cps
Sulfur	34-1	186844	186230	187003	186692	0.22	cps
Terbium	159-1	7700673	7652886	7528018	7627192	1.17	cps
Terbium	159-2	5504384	5477157	5473139	5484893	0.31	cps
Thallium	203-1	2037	1800	2040	1959	7.03	cps
Thallium	205-1	4614	4641	4774	4676	1.83	cps
Tin	118-1	2480	2367	2354	2400	2.90	cps
Titanium	47-1	420	453	440	438	3.83	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-01RE	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-SOIL-03-QT2-	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:27:25	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4734	4434	4824	4664	4.38	cps
Vanadium	51-2	937	910	907	918	1.79	cps
Yttrium	89-1	11521455	11820221	11706939	11682872	1.29	cps
Yttrium	89-2	3402130	3529921	3447840	3459964	1.87	cps
Zinc	66-2	5684	5664	5564	5638	1.14	cps
Zirconium	90-1	3954	3981	3857	3931	1.65	cps
Zirconium	91-1	860	863	823	849	2.61	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-07	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-WATER-01-QT	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:30:44	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2864	3254	2967	3028	6.67	cps
Antimony	121-1	1940	1990	2170	2033	5.95	cps
Arsenic	75-2	140	153	180	158	12.91	cps
Barium	135-1	2300	2410	2410	2374	2.68	cps
Barium	137-1	4157	4064	3937	4053	2.73	cps
Beryllium	9-1	233	270	280	261	9.41	cps
Bismuth	209-1	4733710	4565362	4557141	4618738	2.16	cps
Bismuth	209-2	3983895	3968224	3973281	3975133	0.20	cps
Bromine	81-1	10557	10587	10220	10455	1.95	cps
Bromine	81-2	173	197	210	193	9.60	cps
Cadmium	108-1	50	53	37	47	18.89	cps
Cadmium	106-1	2907	2850	2747	2835	2.86	cps
Cadmium	111-1	2630	2445	2427	2501	4.49	cps
Calcium	43-1	3254	3380	3234	3289	2.42	cps
Calcium	44-1	77966	76981	78378	77775	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3600	3570	3831	3667	3.88	cps
Cobalt	59-2	1777	1893	1917	1862	4.03	cps
Copper	63-2	3734	3744	3921	3799	2.76	cps
Dysprosium	156-1	3	17	7	9	78.08	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	80	57	80	72	18.65	cps
Erbium	164-2	20	63	13	32	84.26	cps
Gadolinium	160-1	80	40	33	51	49.39	cps
Gadolinium	160-2	330	300	317	316	4.76	cps
Holmium	165-1	7607395	7498050	7561511	7555652	0.73	cps
Holmium	165-2	5606295	5668802	5610546	5628548	0.62	cps
Indium	115-1	6712027	6538614	6493588	6581410	1.75	cps
Indium	115-2	2661707	2702693	2657694	2674031	0.93	cps
Iron	56-2	81972	81211	81560	81581	0.47	cps
Iron	57-2	3187	3357	3204	3249	2.88	cps
Iron	54-2	6021	6235	6031	6096	1.98	cps
Krypton	83-1	597	463	520	527	12.71	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-07	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-WATER-01-QT	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:30:44	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1910	1853	1857	1873	1.70	cps
Lead	207-1	1637	1503	1563	1568	4.26	cps
Lead	208-1	7154	7204	7064	7141	0.99	cps
Lithium	6-1	440385	426972	423881	430413	2.04	cps
Magnesium	24-2	53269	52871	53700	53280	0.78	cps
Manganese	55-2	2564	2494	2454	2504	2.22	cps
Molybdenum	94-1	2300	2324	2157	2260	3.99	cps
Molybdenum	95-1	1457	1453	1393	1435	2.48	cps
Molybdenum	96-1	1813	1743	1513	1690	9.29	cps
Molybdenum	97-1	927	920	850	899	4.73	cps
Molybdenum	98-1	2384	2234	2324	2314	3.26	cps
Neodymium	150-1	13	7	3	8	65.47	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	1113	1143	1167	1141	2.34	cps
Phosphorus	31-2	740	783	697	740	5.86	cps
Potassium	39-2	122169	120469	121597	121412	0.71	cps
Rhodium	103-1	6918344	6738017	6703699	6786687	1.70	cps
Rhodium	103-2	4318351	4320140	4380127	4339539	0.81	cps
Scandium	45-1	4267095	4267627	4183403	4239375	1.14	cps
Scandium	45-2	454095	451880	447976	451317	0.69	cps
Selenium	82-1	474	640	575	563	14.92	cps
Selenium	77-2	43	33	27	34	24.35	cps
Selenium	78-2	677	723	687	696	3.53	cps
Silicon	28-1	759360	767927	754557	760615	0.89	cps
Silver	107-1	2894	2937	2880	2904	1.02	cps
Silver	109-1	2704	2934	2634	2757	5.69	cps
Sodium	23-2	120434	119008	116326	118589	1.76	cps
Strontium	86-1	1530	1590	1490	1537	3.28	cps
Strontium	88-1	6138	6068	6138	6115	0.66	cps
Sulfur	34-1	186018	188318	188325	187554	0.71	cps
Terbium	159-1	7668827	7560765	7613416	7614336	0.71	cps
Terbium	159-2	5614849	5498732	5495878	5536486	1.23	cps
Thallium	203-1	2074	1960	1843	1959	5.87	cps
Thallium	205-1	4821	4557	4758	4712	2.92	cps
Tin	118-1	2517	2680	2440	2546	4.82	cps
Titanium	47-1	400	363	393	386	5.07	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-07	Instrumnet Name :	P7
Client Sample ID :	LOD-MDL-WATER-01-QT	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:30:44	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4884	4634	4938	4819	3.36	cps
Vanadium	51-2	1033	1047	1080	1053	2.28	cps
Yttrium	89-1	11648268	11869633	11813831	11777244	0.98	cps
Yttrium	89-2	3564775	3498915	3552793	3538827	0.99	cps
Zinc	66-2	3484	3597	3530	3537	1.61	cps
Zirconium	90-1	4001	3717	4001	3906	4.19	cps
Zirconium	91-1	857	870	1000	909	8.71	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:34:01	DataFile Name :	034LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4944	4744	5134	4941	3.95	cps
Antimony	121-1	10170	9947	9623	9914	2.77	cps
Arsenic	75-2	493	440	407	447	9.79	cps
Barium	135-1	11491	11561	11455	11503	0.47	cps
Barium	137-1	19877	20211	19567	19885	1.62	cps
Beryllium	9-1	610	667	537	604	10.78	cps
Bismuth	209-1	4574228	4486006	4503425	4521220	1.03	cps
Bismuth	209-2	3943104	3942209	4080380	3988564	1.99	cps
Bromine	81-1	10434	10087	10090	10204	1.95	cps
Bromine	81-2	200	197	223	207	7.03	cps
Cadmium	108-1	133	117	163	138	17.16	cps
Cadmium	106-1	2927	2867	2857	2884	1.31	cps
Cadmium	111-1	3552	3459	3459	3490	1.55	cps
Calcium	43-1	7902	8156	8012	8023	1.58	cps
Calcium	44-1	152195	151924	148228	150782	1.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8236	8179	8242	8219	0.42	cps
Cobalt	59-2	4774	4644	4637	4685	1.64	cps
Copper	63-2	7969	7652	7659	7760	2.33	cps
Dysprosium	156-1	10	3	10	8	49.52	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	77	40	67	61	31.02	cps
Erbium	164-2	43	43	20	36	37.89	cps
Gadolinium	160-1	57	43	47	49	14.20	cps
Gadolinium	160-2	340	330	367	346	5.49	cps
Holmium	165-1	7488690	7507124	7367258	7454357	1.02	cps
Holmium	165-2	5626959	5657593	5638397	5640983	0.27	cps
Indium	115-1	6435657	6462876	6606696	6501743	1.41	cps
Indium	115-2	2623758	2636332	2634689	2631593	0.26	cps
Iron	56-2	160741	162290	159376	160802	0.91	cps
Iron	57-2	5561	5514	5434	5503	1.16	cps
Iron	54-2	10674	10701	10650	10675	0.23	cps
Krypton	83-1	453	453	513	473	7.32	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:34:01	DataFile Name :	034LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3427	3457	3320	3402	2.11	cps
Lead	207-1	2994	2937	2990	2974	1.07	cps
Lead	208-1	13713	13579	13249	13514	1.77	cps
Lithium	6-1	429569	425073	428480	427707	0.55	cps
Magnesium	24-2	137742	136562	136719	137008	0.47	cps
Manganese	55-2	2897	3097	3277	3090	6.15	cps
Molybdenum	94-1	11855	11988	11548	11797	1.91	cps
Molybdenum	95-1	13787	14034	13737	13852	1.15	cps
Molybdenum	96-1	14908	15485	15649	15347	2.54	cps
Molybdenum	97-1	8553	8543	8619	8571	0.49	cps
Molybdenum	98-1	21653	22147	21960	21920	1.14	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	1663	1583	1617	1621	2.48	cps
Phosphorus	31-2	2870	2980	2980	2944	2.16	cps
Potassium	39-2	244907	243482	246211	244867	0.56	cps
Rhodium	103-1	6718384	6666802	6672644	6685943	0.42	cps
Rhodium	103-2	4159376	4393742	4342177	4298431	2.87	cps
Scandium	45-1	4200668	4143351	4148634	4164218	0.76	cps
Scandium	45-2	441753	456639	449756	449383	1.66	cps
Selenium	82-1	865	854	751	823	7.66	cps
Selenium	77-2	77	60	57	64	16.63	cps
Selenium	78-2	820	880	757	819	7.53	cps
Silicon	28-1	781304	768557	772651	774171	0.84	cps
Silver	107-1	7515	7802	7662	7660	1.87	cps
Silver	109-1	7132	6848	7359	7113	3.59	cps
Sodium	23-2	245205	246568	244037	245270	0.52	cps
Strontium	86-1	2624	2374	2614	2537	5.58	cps
Strontium	88-1	14781	15191	15195	15056	1.58	cps
Sulfur	34-1	191851	192668	192550	192357	0.23	cps
Terbium	159-1	7579824	7454168	7568089	7534027	0.92	cps
Terbium	159-2	5339747	5558893	5489268	5462636	2.05	cps
Thallium	203-1	4324	5008	4568	4633	7.48	cps
Thallium	205-1	11045	10688	11035	10922	1.86	cps
Tin	118-1	20728	21656	21697	21360	2.56	cps
Titanium	47-1	3857	3754	3724	3778	1.85	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:34:01	DataFile Name :	034LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11875	12019	11228	11708	3.60	cps
Vanadium	51-2	12258	11895	12275	12143	1.77	cps
Yttrium	89-1	11712172	11473771	11643801	11609915	1.06	cps
Yttrium	89-2	3438467	3489459	3521102	3483009	1.20	cps
Zinc	66-2	5958	5955	6088	6000	1.27	cps
Zirconium	90-1	10020	10070	10204	10098	0.94	cps
Zirconium	91-1	2397	2490	2297	2395	4.04	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08RE	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:37:21	DataFile Name :	035LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5714	5684	5491	5630	2.15	cps
Antimony	121-1	10160	10471	10197	10276	1.65	cps
Arsenic	75-2	373	450	437	420	9.75	cps
Barium	135-1	11945	11685	11425	11685	2.23	cps
Barium	137-1	19734	20405	20315	20151	1.81	cps
Beryllium	9-1	620	673	630	641	4.42	cps
Bismuth	209-1	4617558	4653168	4635269	4635332	0.38	cps
Bismuth	209-2	3988953	4025103	4016154	4010070	0.47	cps
Bromine	81-1	10364	10761	10317	10480	2.33	cps
Bromine	81-2	200	227	213	213	6.25	cps
Cadmium	108-1	107	117	167	130	24.73	cps
Cadmium	106-1	2944	2884	2780	2869	2.88	cps
Cadmium	111-1	3503	3457	3456	3472	0.77	cps
Calcium	43-1	10177	10420	10250	10282	1.21	cps
Calcium	44-1	187909	190153	189117	189060	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8456	8076	8322	8285	2.33	cps
Cobalt	59-2	4848	4864	5114	4942	3.02	cps
Copper	63-2	8563	8429	8082	8358	2.97	cps
Dysprosium	156-1	13	7	13	11	34.61	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	47	50	53	50	6.66	cps
Erbium	164-2	37	60	30	42	37.31	cps
Gadolinium	160-1	63	60	40	54	23.18	cps
Gadolinium	160-2	347	370	313	343	8.30	cps
Holmium	165-1	7640508	7711250	7647179	7666312	0.51	cps
Holmium	165-2	5686092	5753442	5582828	5674121	1.51	cps
Indium	115-1	6782043	6747636	6569550	6699743	1.70	cps
Indium	115-2	2668806	2678810	2643200	2663605	0.69	cps
Iron	56-2	164019	166017	166029	165355	0.70	cps
Iron	57-2	5411	5708	5494	5538	2.76	cps
Iron	54-2	10837	10644	10794	10758	0.94	cps
Krypton	83-1	570	480	493	514	9.44	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08RE	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:37:21	DataFile Name :	035LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3931	3604	3827	3787	4.41	cps
Lead	207-1	3307	3380	3170	3286	3.24	cps
Lead	208-1	15274	14653	14803	14910	2.17	cps
Lithium	6-1	437304	439220	425165	433896	1.76	cps
Magnesium	24-2	137988	136553	136367	136969	0.65	cps
Manganese	55-2	3507	3654	3607	3589	2.09	cps
Molybdenum	94-1	11691	11588	11962	11747	1.64	cps
Molybdenum	95-1	14130	13943	14010	14028	0.67	cps
Molybdenum	96-1	15085	14948	15488	15174	1.85	cps
Molybdenum	97-1	8599	8659	8656	8638	0.39	cps
Molybdenum	98-1	21923	22287	22301	22170	0.97	cps
Neodymium	150-1	17	13	3	11	62.48	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	1793	1737	1720	1750	2.20	cps
Phosphorus	31-2	3024	2900	2837	2920	3.25	cps
Potassium	39-2	252936	255277	253800	254004	0.47	cps
Rhodium	103-1	6756808	6779774	6783563	6773382	0.21	cps
Rhodium	103-2	4397935	4394672	4286191	4359599	1.46	cps
Scandium	45-1	4118196	4182534	4129547	4143426	0.83	cps
Scandium	45-2	457170	451438	444334	450981	1.43	cps
Selenium	82-1	755	863	819	812	6.72	cps
Selenium	77-2	50	67	50	56	17.32	cps
Selenium	78-2	860	800	863	841	4.24	cps
Silicon	28-1	790032	777935	779837	782601	0.83	cps
Silver	107-1	7525	7659	7479	7554	1.24	cps
Silver	109-1	7145	7242	7375	7254	1.59	cps
Sodium	23-2	250331	248386	251513	250077	0.63	cps
Strontium	86-1	2534	2684	2834	2684	5.59	cps
Strontium	88-1	16700	16606	16543	16616	0.47	cps
Sulfur	34-1	191986	192274	190967	191742	0.36	cps
Terbium	159-1	7706400	7529558	7706212	7647390	1.33	cps
Terbium	159-2	5594607	5552321	5406781	5517903	1.79	cps
Thallium	203-1	4881	4551	4678	4703	3.54	cps
Thallium	205-1	11498	11115	10931	11181	2.59	cps
Tin	118-1	22007	22204	21960	22057	0.59	cps
Titanium	47-1	3690	3771	3967	3809	3.74	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2126-08RE	Instrumnet Name :	P7
Client Sample ID :	LOQ-WATER-02-QT2-20	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:37:21	DataFile Name :	035LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11832	11669	11455	11652	1.62	cps
Vanadium	51-2	12952	12652	12245	12616	2.81	cps
Yttrium	89-1	11565063	11797904	11697141	11686703	1.00	cps
Yttrium	89-2	3507506	3625744	3441417	3524889	2.65	cps
Zinc	66-2	8169	8109	7919	8066	1.62	cps
Zirconium	90-1	10447	9997	10154	10199	2.24	cps
Zirconium	91-1	2200	2107	2264	2190	3.60	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:40:53	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8047584	7791048	7769913	7869515	1.96	cps
Antimony	121-1	2633888	2656130	2666658	2652225	0.63	cps
Arsenic	75-2	194234	192662	193171	193356	0.41	cps
Barium	135-1	3206926	3215181	3179400	3200502	0.59	cps
Barium	137-1	5445601	5552337	5602563	5533500	1.45	cps
Beryllium	9-1	329226	331967	331153	330782	0.43	cps
Bismuth	209-1	4721826	4656727	4690463	4689672	0.69	cps
Bismuth	209-2	4024458	4073658	3948224	4015446	1.57	cps
Bromine	81-1	10381	9994	10220	10198	1.91	cps
Bromine	81-2	180	180	170	177	3.27	cps
Cadmium	108-1	50916	52501	52087	51835	1.59	cps
Cadmium	106-1	74775	76099	75613	75496	0.89	cps
Cadmium	111-1	706345	725765	719988	717366	1.39	cps
Calcium	43-1	3844296	3876269	3855021	3858529	0.42	cps
Calcium	44-1	62568461	62430881	62600669	62533337	0.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1540316	1537599	1486800	1521572	1.98	cps
Cobalt	59-2	2304136	2306440	2243644	2284740	1.56	cps
Copper	63-2	17916193	17979320	17936388	17943967	0.18	cps
Dysprosium	156-1	163	170	127	153	15.22	cps
Dysprosium	156-2	223	270	243	246	9.53	cps
Erbium	164-1	343	307	367	339	8.93	cps
Erbium	164-2	223	227	223	224	0.86	cps
Gadolinium	160-1	210	227	197	211	7.12	cps
Gadolinium	160-2	443	410	423	426	3.94	cps
Holmium	165-1	7956343	7936079	8033930	7975451	0.65	cps
Holmium	165-2	6017064	5965556	5950763	5977795	0.58	cps
Indium	115-1	6700390	6744913	6695670	6713658	0.40	cps
Indium	115-2	2644185	2681208	2635539	2653644	0.91	cps
Iron	56-2	335580028	334706642	327226762	332504477	1.38	cps
Iron	57-2	8260027	8138582	8087826	8162145	1.08	cps
Iron	54-2	18029732	18179383	17873678	18027598	0.85	cps
Krypton	83-1	493	523	483	500	4.16	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:40:53	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9642028	9655773	9649673	9649158	0.07	cps
Lead	207-1	8179653	8133081	8261108	8191280	0.79	cps
Lead	208-1	37255365	37590289	37322469	37389374	0.47	cps
Lithium	6-1	456934	448660	453546	453047	0.92	cps
Magnesium	24-2	72384139	73887591	71573841	72615190	1.62	cps
Manganese	55-2	12859824	12806645	12481937	12716135	1.61	cps
Molybdenum	94-1	10411006	10533159	10493949	10479371	0.60	cps
Molybdenum	95-1	14534356	14883890	14937682	14785310	1.48	cps
Molybdenum	96-1	15703937	15869469	15828996	15800800	0.55	cps
Molybdenum	97-1	9068335	9380344	9185878	9211519	1.71	cps
Molybdenum	98-1	23822150	24061495	23927115	23936920	0.50	cps
Neodymium	150-1	147	197	183	176	14.75	cps
Neodymium	150-2	40	50	63	51	22.90	cps
Nickel	60-2	597850	597765	591826	595814	0.58	cps
Phosphorus	31-2	97476	98765	97134	97792	0.88	cps
Potassium	39-2	41961579	41745223	40753558	41486786	1.55	cps
Rhodium	103-1	6750456	6592762	6846778	6729999	1.91	cps
Rhodium	103-2	4350563	4341089	4242644	4311432	1.39	cps
Scandium	45-1	4356574	4262708	4386438	4335240	1.49	cps
Scandium	45-2	483440	474211	480864	479505	0.99	cps
Selenium	82-1	56112	56935	56814	56620	0.78	cps
Selenium	77-2	7165	6938	6982	7028	1.71	cps
Selenium	78-2	23672	23956	23475	23701	1.02	cps
Silicon	28-1	10364083	10639602	10438263	10480649	1.36	cps
Silver	107-1	3623313	3687580	3600558	3637150	1.24	cps
Silver	109-1	3400671	3433750	3458162	3430861	0.84	cps
Sodium	23-2	111934722	114785528	112997688	113239313	1.27	cps
Strontium	86-1	944044	954995	940921	946653	0.78	cps
Strontium	88-1	8353967	8343130	8307332	8334810	0.29	cps
Sulfur	34-1	425177	423255	421800	423411	0.40	cps
Terbium	159-1	8098952	7842289	8036462	7992568	1.67	cps
Terbium	159-2	5893199	5747621	5879792	5840204	1.38	cps
Thallium	203-1	2365527	2348156	2400079	2371254	1.11	cps
Thallium	205-1	5603702	5710971	5746531	5687068	1.31	cps
Tin	118-1	2171964	2280345	2230333	2227548	2.44	cps
Titanium	47-1	3909504	4038730	4103875	4017369	2.46	cps

Reviewed By:jaswal
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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:40:53	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7089524	7115079	7054389	7086331	0.43	cps
Vanadium	51-2	1305932	1304751	1315690	1308791	0.46	cps
Yttrium	89-1	12456570	12144468	12181751	12260930	1.39	cps
Yttrium	89-2	3683910	3656424	3692436	3677590	0.51	cps
Zinc	66-2	3093365	3143945	3054192	3097167	1.45	cps
Zirconium	90-1	5037696	5129943	5050135	5072591	0.99	cps
Zirconium	91-1	1119853	1128477	1118544	1122291	0.48	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:43:40	DataFile Name :	037CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1603	1670	1640	1638	2.04	cps
Antimony	121-1	753	803	687	748	7.83	cps
Arsenic	75-2	23	30	7	20	60.08	cps
Barium	135-1	90	73	73	79	12.20	cps
Barium	137-1	147	117	123	129	12.22	cps
Beryllium	9-1	7	0	0	2	173.21	cps
Bismuth	209-1	4615373	4647007	4644218	4635533	0.38	cps
Bismuth	209-2	3979629	3999463	4067414	4015502	1.15	cps
Bromine	81-1	10707	9587	10587	10294	5.98	cps
Bromine	81-2	183	203	217	201	8.34	cps
Cadmium	108-1	20	13	17	17	20.01	cps
Cadmium	106-1	2800	2624	2607	2677	4.00	cps
Cadmium	111-1	2006	1867	1837	1903	4.75	cps
Calcium	43-1	453	393	363	403	11.36	cps
Calcium	44-1	29613	28658	28664	28978	1.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2447	2387	2587	2474	4.15	cps
Cobalt	59-2	103	83	83	90	12.83	cps
Copper	63-2	1450	1440	1410	1433	1.45	cps
Dysprosium	156-1	0	0	10	3	173.21	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	70	87	47	68	29.64	cps
Erbium	164-2	33	27	23	28	18.33	cps
Gadolinium	160-1	30	40	37	36	14.32	cps
Gadolinium	160-2	347	363	350	353	2.50	cps
Holmium	165-1	7795985	7562921	7838210	7732372	1.92	cps
Holmium	165-2	5734322	5598670	5800528	5711173	1.80	cps
Indium	115-1	6665580	6552698	6612944	6610407	0.85	cps
Indium	115-2	2662221	2708698	2645424	2672114	1.23	cps
Iron	56-2	25729	25742	25859	25777	0.28	cps
Iron	57-2	1947	1930	1823	1900	3.52	cps
Iron	54-2	3044	3074	2990	3036	1.39	cps
Krypton	83-1	493	443	513	483	7.46	cps

Reviewed By:jaswal
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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:43:40	DataFile Name :	037CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	753	570	610	644	14.96	cps
Lead	207-1	583	510	473	522	10.73	cps
Lead	208-1	2673	2243	2317	2411	9.54	cps
Lithium	6-1	442544	433473	431508	435842	1.35	cps
Magnesium	24-2	903	907	663	824	16.92	cps
Manganese	55-2	897	777	877	850	7.56	cps
Molybdenum	94-1	873	737	677	762	13.22	cps
Molybdenum	95-1	860	813	760	811	6.17	cps
Molybdenum	96-1	1143	867	857	956	17.03	cps
Molybdenum	97-1	627	450	493	523	17.59	cps
Molybdenum	98-1	1257	1153	1097	1169	6.94	cps
Neodymium	150-1	7	7	3	6	34.70	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	703	593	670	656	8.60	cps
Phosphorus	31-2	663	653	600	639	5.33	cps
Potassium	39-2	83926	83551	82807	83428	0.68	cps
Rhodium	103-1	6967803	6801389	6720963	6830052	1.84	cps
Rhodium	103-2	4312965	4267225	4285068	4288419	0.54	cps
Scandium	45-1	4207017	4138208	4182072	4175765	0.83	cps
Scandium	45-2	447331	446513	448677	447507	0.24	cps
Selenium	82-1	268	271	211	250	13.52	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	537	647	593	592	9.29	cps
Silicon	28-1	769496	765797	779321	771538	0.91	cps
Silver	107-1	463	343	320	376	20.48	cps
Silver	109-1	323	337	287	316	8.21	cps
Sodium	23-2	52767	51298	50723	51596	2.04	cps
Strontium	86-1	767	853	873	831	6.82	cps
Strontium	88-1	327	320	317	321	1.59	cps
Sulfur	34-1	175144	175986	177315	176148	0.62	cps
Terbium	159-1	7807908	7511833	7619857	7646533	1.96	cps
Terbium	159-2	5451939	5480274	5708208	5546807	2.53	cps
Thallium	203-1	467	350	327	381	19.68	cps
Thallium	205-1	1070	957	943	990	7.03	cps
Tin	118-1	1137	1007	1017	1053	6.87	cps
Titanium	47-1	143	113	143	133	12.99	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:43:40	DataFile Name :	037CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	213	93	90	132	53.14	cps
Vanadium	51-2	50	33	20	34	43.64	cps
Yttrium	89-1	12078641	11646214	11557351	11760735	2.37	cps
Yttrium	89-2	3474951	3555564	3498425	3509647	1.18	cps
Zinc	66-2	3751	3937	4117	3935	4.66	cps
Zirconium	90-1	843	777	827	816	4.25	cps
Zirconium	91-1	147	137	183	156	15.80	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BL	Instrumnet Name :	P7
Client Sample ID :	PB169250BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:46:56	DataFile Name :	038CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1597	1673	1613	1628	2.48	cps
Antimony	121-1	200	250	193	214	14.44	cps
Arsenic	75-2	3	30	27	20	72.66	cps
Barium	135-1	60	70	33	54	34.82	cps
Barium	137-1	103	77	90	90	14.81	cps
Beryllium	9-1	17	0	0	6	173.21	cps
Bismuth	209-1	4623885	4613875	4392810	4543523	2.87	cps
Bismuth	209-2	3842353	3902000	4056717	3933690	2.81	cps
Bromine	81-1	10701	10484	10404	10529	1.46	cps
Bromine	81-2	213	203	267	228	14.95	cps
Cadmium	108-1	13	10	10	11	17.30	cps
Cadmium	106-1	2804	2617	2567	2662	4.69	cps
Cadmium	111-1	2020	1868	1820	1903	5.49	cps
Calcium	43-1	333	283	327	314	8.63	cps
Calcium	44-1	28036	27542	27609	27729	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2487	2494	2540	2507	1.16	cps
Cobalt	59-2	93	103	137	111	20.42	cps
Copper	63-2	1310	1250	1343	1301	3.64	cps
Dysprosium	156-1	7	3	3	4	43.40	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	43	50	53	49	10.42	cps
Erbium	164-2	33	47	67	49	34.32	cps
Gadolinium	160-1	40	53	40	44	17.32	cps
Gadolinium	160-2	337	307	323	322	4.66	cps
Holmium	165-1	7425172	7494542	7492636	7470783	0.53	cps
Holmium	165-2	5438807	5683538	5612833	5578393	2.26	cps
Indium	115-1	6632156	6589543	6387703	6536467	2.00	cps
Indium	115-2	2610990	2573013	2669627	2617877	1.86	cps
Iron	56-2	24654	24507	24119	24427	1.13	cps
Iron	57-2	1883	1670	1733	1762	6.22	cps
Iron	54-2	2707	2917	2974	2866	4.90	cps
Krypton	83-1	480	477	500	486	2.60	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BL	Instrumnet Name :	P7
Client Sample ID :	PB169250BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:46:56	DataFile Name :	038CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	497	537	523	519	3.93	cps
Lead	207-1	483	420	353	419	15.52	cps
Lead	208-1	2090	2020	1873	1995	5.54	cps
Lithium	6-1	428804	424862	423040	425569	0.69	cps
Magnesium	24-2	503	560	583	549	7.50	cps
Manganese	55-2	690	673	710	691	2.66	cps
Molybdenum	94-1	477	407	477	453	8.91	cps
Molybdenum	95-1	393	430	423	416	4.70	cps
Molybdenum	96-1	470	453	477	467	2.57	cps
Molybdenum	97-1	273	253	257	261	4.10	cps
Molybdenum	98-1	630	637	557	608	7.30	cps
Neodymium	150-1	13	10	0	8	89.21	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	560	567	523	550	4.24	cps
Phosphorus	31-2	663	663	680	669	1.44	cps
Potassium	39-2	81973	80126	81235	81111	1.15	cps
Rhodium	103-1	6759755	6727964	6615062	6700927	1.13	cps
Rhodium	103-2	4154902	4185272	4277155	4205776	1.51	cps
Scandium	45-1	4174813	4173874	4077289	4141992	1.35	cps
Scandium	45-2	437058	440838	443852	440583	0.77	cps
Selenium	82-1	237	341	251	276	20.35	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	627	563	550	580	7.06	cps
Silicon	28-1	778684	763798	769583	770688	0.97	cps
Silver	107-1	190	187	187	188	1.02	cps
Silver	109-1	167	197	163	176	10.46	cps
Sodium	23-2	44441	43688	43571	43900	1.07	cps
Strontium	86-1	800	787	853	813	4.34	cps
Strontium	88-1	327	313	300	313	4.25	cps
Sulfur	34-1	176587	178104	180304	178332	1.05	cps
Terbium	159-1	7563113	7654388	7678948	7632149	0.80	cps
Terbium	159-2	5317027	5422216	5310023	5349755	1.17	cps
Thallium	203-1	353	303	270	309	13.58	cps
Thallium	205-1	837	677	587	700	18.09	cps
Tin	118-1	860	993	923	926	7.21	cps
Titanium	47-1	133	97	73	101	29.92	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BL	Instrumnet Name :	P7
Client Sample ID :	PB169250BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:46:56	DataFile Name :	038CCBD.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	157	33	10	67	118.22	cps
Vanadium	51-2	23	10	30	21	48.24	cps
Yttrium	89-1	11597780	11732908	11480749	11603812	1.09	cps
Yttrium	89-2	3393196	3420290	3506430	3439972	1.72	cps
Zinc	66-2	3247	3084	3080	3137	3.04	cps
Zirconium	90-1	597	577	540	571	5.03	cps
Zirconium	91-1	120	100	153	124	21.65	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BS	Instrumnet Name :	P7
Client Sample ID :	PB169250BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:50:14	DataFile Name :	039LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1652340	1612665	1605006	1623337	1.57	cps
Antimony	121-1	2517501	2561133	2581954	2553530	1.29	cps
Arsenic	75-2	192197	191053	189867	191039	0.61	cps
Barium	135-1	3017149	3042428	3041802	3033793	0.48	cps
Barium	137-1	5226988	5345295	5285303	5285862	1.12	cps
Beryllium	9-1	305717	307789	308945	307484	0.53	cps
Bismuth	209-1	4660389	4794273	4712877	4722513	1.43	cps
Bismuth	209-2	4131661	4051638	4012200	4065166	1.50	cps
Bromine	81-1	10577	9980	10260	10273	2.91	cps
Bromine	81-2	220	243	200	221	9.81	cps
Cadmium	108-1	50077	51735	51344	51052	1.70	cps
Cadmium	106-1	73244	75241	74135	74207	1.35	cps
Cadmium	111-1	707911	726520	728735	721055	1.59	cps
Calcium	43-1	791011	810172	792049	797744	1.35	cps
Calcium	44-1	12367033	12842731	12425442	12545069	2.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1480792	1457356	1451476	1463208	1.06	cps
Cobalt	59-2	2244335	2249469	2300032	2264612	1.36	cps
Copper	63-2	17953044	17803216	17608659	17788306	0.97	cps
Dysprosium	156-1	50	57	43	50	13.34	cps
Dysprosium	156-2	177	190	157	174	9.62	cps
Erbium	164-1	117	120	147	128	12.87	cps
Erbium	164-2	117	73	70	87	30.04	cps
Gadolinium	160-1	80	113	57	83	34.18	cps
Gadolinium	160-2	397	393	393	394	0.49	cps
Holmium	165-1	7871170	7791887	7852965	7838674	0.53	cps
Holmium	165-2	5994951	5984066	5834536	5937851	1.51	cps
Indium	115-1	6728777	6734268	6702153	6721733	0.26	cps
Indium	115-2	2721946	2675538	2648645	2682043	1.38	cps
Iron	56-2	68756514	68312354	68487346	68518738	0.33	cps
Iron	57-2	1746888	1674286	1725354	1715509	2.17	cps
Iron	54-2	3838164	3919538	3888945	3882215	1.06	cps
Krypton	83-1	473	573	533	527	9.56	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BS	Instrumnet Name :	P7
Client Sample ID :	PB169250BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:50:14	DataFile Name :	039LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9195902	9445567	9702836	9448101	2.68	cps
Lead	207-1	7690675	7947589	8119900	7919388	2.73	cps
Lead	208-1	35117743	37029170	37407907	36518273	3.36	cps
Lithium	6-1	447493	440148	441679	443107	0.87	cps
Magnesium	24-2	14053376	14056564	14003106	14037682	0.21	cps
Manganese	55-2	12250262	12138967	12341870	12243700	0.83	cps
Molybdenum	94-1	9977392	10072300	10027915	10025869	0.47	cps
Molybdenum	95-1	13932254	14318402	14396632	14215762	1.75	cps
Molybdenum	96-1	15126940	14972832	15213711	15104494	0.81	cps
Molybdenum	97-1	8533009	8764205	8620387	8639200	1.35	cps
Molybdenum	98-1	22413051	22808765	22764722	22662179	0.96	cps
Neodymium	150-1	93	93	123	103	16.77	cps
Neodymium	150-2	13	20	33	22	45.83	cps
Nickel	60-2	592019	581610	585287	586306	0.90	cps
Phosphorus	31-2	92163	93109	91734	92335	0.76	cps
Potassium	39-2	8307808	8358436	8435854	8367366	0.77	cps
Rhodium	103-1	6802793	6782423	6732859	6772692	0.53	cps
Rhodium	103-2	4474852	4367670	4383601	4408708	1.31	cps
Scandium	45-1	4458708	4236558	4323067	4339444	2.58	cps
Scandium	45-2	479615	470925	465265	471935	1.53	cps
Selenium	82-1	57107	58130	57315	57517	0.94	cps
Selenium	77-2	7162	7178	7162	7167	0.13	cps
Selenium	78-2	24333	24223	24086	24214	0.51	cps
Silicon	28-1	10666987	11039949	10843822	10850253	1.72	cps
Silver	107-1	3559857	3662503	3668639	3630333	1.68	cps
Silver	109-1	3348631	3429962	3442898	3407164	1.50	cps
Sodium	23-2	22228695	22168866	21806218	22067926	1.04	cps
Strontium	86-1	888834	907075	899793	898567	1.02	cps
Strontium	88-1	7860211	7959385	7894801	7904799	0.64	cps
Sulfur	34-1	401307	403476	399714	401499	0.47	cps
Terbium	159-1	8030247	7817072	8028106	7958475	1.54	cps
Terbium	159-2	5943502	5842839	5723643	5836661	1.89	cps
Thallium	203-1	2267896	2292691	2281223	2280603	0.54	cps
Thallium	205-1	5429964	5616757	5556784	5534502	1.72	cps
Tin	118-1	2107979	2190557	2201113	2166549	2.35	cps
Titanium	47-1	3746317	3831764	3757014	3778365	1.23	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169250BS	Instrumnet Name :	P7
Client Sample ID :	PB169250BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:50:14	DataFile Name :	039LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6597363	6855213	6797401	6749992	2.00	cps
Vanadium	51-2	1254672	1252380	1254428	1253826	0.10	cps
Yttrium	89-1	11931776	11999022	12136105	12022301	0.87	cps
Yttrium	89-2	3771989	3720638	3608236	3700288	2.26	cps
Zinc	66-2	3144650	3136083	3124539	3135091	0.32	cps
Zirconium	90-1	4814871	4827776	4788290	4810313	0.42	cps
Zirconium	91-1	1051774	1084729	1070716	1069073	1.55	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BL	Instrumnet Name :	P7
Client Sample ID :	PB169323BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:52:58	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1483	1573	1633	1563	4.83	cps
Antimony	121-1	767	687	747	733	5.68	cps
Arsenic	75-2	27	13	20	20	33.35	cps
Barium	135-1	90	90	97	92	4.18	cps
Barium	137-1	223	213	127	188	28.31	cps
Beryllium	9-1	7	17	10	11	45.82	cps
Bismuth	209-1	4226647	4521990	4569108	4439248	4.18	cps
Bismuth	209-2	3880918	3879065	3803310	3854431	1.15	cps
Bromine	81-1	10394	10294	10374	10354	0.51	cps
Bromine	81-2	250	237	203	230	10.45	cps
Cadmium	108-1	10	3	7	7	50.03	cps
Cadmium	106-1	2587	2750	2570	2636	3.77	cps
Cadmium	111-1	1851	1970	1835	1885	3.91	cps
Calcium	43-1	343	383	290	339	13.82	cps
Calcium	44-1	27706	27375	27612	27564	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2364	2617	2560	2514	5.29	cps
Cobalt	59-2	137	73	123	111	30.05	cps
Copper	63-2	1557	1563	1427	1516	5.08	cps
Dysprosium	156-1	10	10	3	8	49.52	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	43	43	47	44	4.34	cps
Erbium	164-2	30	33	23	29	17.63	cps
Gadolinium	160-1	43	47	43	44	4.34	cps
Gadolinium	160-2	323	353	397	358	10.31	cps
Holmium	165-1	6947491	7541876	7399208	7296192	4.25	cps
Holmium	165-2	5558885	5635804	5577510	5590733	0.72	cps
Indium	115-1	6321015	6600053	6399740	6440269	2.23	cps
Indium	115-2	2672764	2613853	2667240	2651286	1.23	cps
Iron	56-2	23465	24580	24106	24050	2.33	cps
Iron	57-2	1873	1880	1860	1871	0.54	cps
Iron	54-2	2964	2844	3017	2941	3.02	cps
Krypton	83-1	387	517	463	456	14.34	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BL	Instrumnet Name :	P7
Client Sample ID :	PB169323BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:52:58	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	783	713	643	713	9.81	cps
Lead	207-1	577	500	487	521	9.32	cps
Lead	208-1	2860	2473	2310	2548	11.09	cps
Lithium	6-1	396131	431080	419593	415601	4.29	cps
Magnesium	24-2	573	557	563	564	1.49	cps
Manganese	55-2	660	767	713	713	7.48	cps
Molybdenum	94-1	860	730	697	762	11.32	cps
Molybdenum	95-1	890	947	707	848	14.80	cps
Molybdenum	96-1	1227	987	870	1028	17.69	cps
Molybdenum	97-1	710	687	517	638	16.55	cps
Molybdenum	98-1	1653	1427	1210	1430	15.50	cps
Neodymium	150-1	13	10	3	9	57.30	cps
Neodymium	150-2	10	0	3	4	114.60	cps
Nickel	60-2	563	683	573	607	10.98	cps
Phosphorus	31-2	700	617	687	668	6.70	cps
Potassium	39-2	81128	80196	79640	80321	0.94	cps
Rhodium	103-1	6423295	6727385	6616518	6589066	2.34	cps
Rhodium	103-2	4268470	4292770	4380407	4313883	1.36	cps
Scandium	45-1	3879874	4287527	4004641	4057347	5.15	cps
Scandium	45-2	442632	440157	436573	439787	0.69	cps
Selenium	82-1	364	276	275	305	16.76	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	567	523	610	567	7.65	cps
Silicon	28-1	791441	791965	786867	790091	0.35	cps
Silver	107-1	477	427	323	409	19.12	cps
Silver	109-1	420	333	327	360	14.46	cps
Sodium	23-2	43448	43561	42739	43249	1.03	cps
Strontium	86-1	767	853	717	779	8.88	cps
Strontium	88-1	423	433	380	412	6.88	cps
Sulfur	34-1	168976	169986	171204	170056	0.66	cps
Terbium	159-1	7138076	7844186	7382572	7454944	4.81	cps
Terbium	159-2	5477645	5338038	5324331	5380005	1.58	cps
Thallium	203-1	490	380	407	426	13.48	cps
Thallium	205-1	1090	983	850	974	12.34	cps
Tin	118-1	1003	877	953	944	6.76	cps
Titanium	47-1	140	170	133	148	13.21	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BL	Instrumnet Name :	P7
Client Sample ID :	PB169323BL	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:52:58	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	273	113	100	162	59.46	cps
Vanadium	51-2	13	40	40	31	49.50	cps
Yttrium	89-1	11115144	11856868	11542452	11504821	3.24	cps
Yttrium	89-2	3522308	3426632	3351039	3433326	2.50	cps
Zinc	66-2	3160	2917	3114	3064	4.22	cps
Zirconium	90-1	1067	803	877	916	14.85	cps
Zirconium	91-1	170	120	177	156	19.91	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BS	Instrumnet Name :	P7
Client Sample ID :	PB169323BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:56:16	DataFile Name :	041LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1715363	1650888	1640070	1668774	2.44	cps
Antimony	121-1	2563957	2611537	2607766	2594420	1.02	cps
Arsenic	75-2	194861	194479	190733	193358	1.18	cps
Barium	135-1	3121029	3121987	3129339	3124118	0.15	cps
Barium	137-1	5291678	5418792	5350399	5353623	1.19	cps
Beryllium	9-1	308874	307591	310880	309115	0.54	cps
Bismuth	209-1	4721056	4856876	4744054	4773995	1.52	cps
Bismuth	209-2	4107019	4126041	4051368	4094809	0.95	cps
Bromine	81-1	10124	10180	10427	10244	1.58	cps
Bromine	81-2	173	213	163	183	14.43	cps
Cadmium	108-1	51662	51374	52174	51737	0.78	cps
Cadmium	106-1	72772	74819	75922	74504	2.15	cps
Cadmium	111-1	713304	731773	719451	721509	1.30	cps
Calcium	43-1	783066	802078	798684	794609	1.28	cps
Calcium	44-1	12411501	12479122	12555402	12482009	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1484721	1485162	1460405	1476762	0.96	cps
Cobalt	59-2	2283435	2336592	2326774	2315600	1.22	cps
Copper	63-2	17544278	17978223	17539538	17687346	1.42	cps
Dysprosium	156-1	43	63	53	53	18.75	cps
Dysprosium	156-2	123	167	227	172	30.13	cps
Erbium	164-1	130	150	127	136	9.31	cps
Erbium	164-2	107	107	100	104	3.69	cps
Gadolinium	160-1	97	103	87	96	8.78	cps
Gadolinium	160-2	443	380	440	421	8.46	cps
Holmium	165-1	8033396	7853136	7970488	7952340	1.15	cps
Holmium	165-2	5813338	5898531	6015043	5908971	1.71	cps
Indium	115-1	6853418	6771056	6620893	6748456	1.75	cps
Indium	115-2	2603360	2731040	2711077	2681826	2.56	cps
Iron	56-2	70024374	70073786	68669511	69589223	1.15	cps
Iron	57-2	1700755	1722656	1724088	1715833	0.76	cps
Iron	54-2	3859112	3834604	3748209	3813975	1.53	cps
Krypton	83-1	457	500	410	456	9.88	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BS	Instrumnet Name :	P7
Client Sample ID :	PB169323BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:56:16	DataFile Name :	041LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9403559	9459730	9596782	9486690	1.05	cps
Lead	207-1	8103341	8089048	8063757	8085382	0.25	cps
Lead	208-1	37009685	37355853	37354981	37240173	0.54	cps
Lithium	6-1	446636	441619	445600	444618	0.60	cps
Magnesium	24-2	14838008	14424637	14125221	14462622	2.47	cps
Manganese	55-2	12430739	12253079	12193817	12292545	1.00	cps
Molybdenum	94-1	10027376	10210629	10106955	10114987	0.91	cps
Molybdenum	95-1	14360738	14193052	14074339	14209376	1.01	cps
Molybdenum	96-1	15142433	15220193	15196921	15186516	0.26	cps
Molybdenum	97-1	8779041	8790480	8823255	8797592	0.26	cps
Molybdenum	98-1	22289204	23259007	22730128	22759446	2.13	cps
Neodymium	150-1	127	103	90	107	17.40	cps
Neodymium	150-2	50	30	27	36	35.49	cps
Nickel	60-2	592387	597724	589347	593153	0.71	cps
Phosphorus	31-2	93632	95789	93129	94183	1.50	cps
Potassium	39-2	8671634	8640280	8659095	8657003	0.18	cps
Rhodium	103-1	7006683	6794564	6859253	6886834	1.58	cps
Rhodium	103-2	4396795	4529768	4426340	4450968	1.57	cps
Scandium	45-1	4339687	4322310	4301345	4321114	0.44	cps
Scandium	45-2	463694	480316	467337	470449	1.86	cps
Selenium	82-1	57854	57977	58492	58108	0.58	cps
Selenium	77-2	7245	7052	7188	7162	1.39	cps
Selenium	78-2	23960	24537	24310	24269	1.20	cps
Silicon	28-1	10861967	10971449	11050615	10961344	0.86	cps
Silver	107-1	3598605	3629504	3687524	3638544	1.24	cps
Silver	109-1	3404774	3462357	3431810	3432980	0.84	cps
Sodium	23-2	23148865	22461979	22311906	22640917	1.97	cps
Strontium	86-1	897415	925287	912757	911820	1.53	cps
Strontium	88-1	7894902	8067450	8089308	8017220	1.33	cps
Sulfur	34-1	396814	398660	398453	397976	0.25	cps
Terbium	159-1	8178266	8003509	7862887	8014887	1.97	cps
Terbium	159-2	5907958	5852321	5758868	5839716	1.29	cps
Thallium	203-1	2344024	2368241	2309847	2340704	1.25	cps
Thallium	205-1	5509782	5610114	5631426	5583774	1.16	cps
Tin	118-1	2145276	2169152	2203315	2172581	1.34	cps
Titanium	47-1	3750496	3856402	3779286	3795395	1.44	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	PB169323BS	Instrumnet Name :	P7
Client Sample ID :	PB169323BS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:56:16	DataFile Name :	041LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6674438	6943412	6657107	6758319	2.38	cps
Vanadium	51-2	1285536	1268565	1257400	1270501	1.12	cps
Yttrium	89-1	12539841	12178393	11890336	12202856	2.67	cps
Yttrium	89-2	3541740	3739679	3648518	3643312	2.72	cps
Zinc	66-2	3165708	3215995	3121459	3167721	1.49	cps
Zirconium	90-1	4833530	4880939	4850951	4855140	0.49	cps
Zirconium	91-1	1065791	1078336	1089219	1077782	1.09	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:58:59	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	177481	176417	175984	176627	0.44	cps
Antimony	121-1	9800	9960	9994	9918	1.04	cps
Arsenic	75-2	427	507	430	454	9.96	cps
Barium	135-1	399591	397136	400363	399030	0.42	cps
Barium	137-1	683652	685381	683892	684308	0.14	cps
Beryllium	9-1	30	20	23	24	20.83	cps
Bismuth	209-1	5425938	5341337	5356135	5374470	0.84	cps
Bismuth	209-2	4690171	4402779	4539638	4544196	3.16	cps
Bromine	81-1	28127	31387	32606	30707	7.54	cps
Bromine	81-2	5114	5444	5584	5381	4.49	cps
Cadmium	108-1	20	20	23	21	9.11	cps
Cadmium	106-1	3317	3254	3134	3235	2.88	cps
Cadmium	111-1	2405	2334	2251	2330	3.31	cps
Calcium	43-1	1552736	1572730	1572718	1566061	0.74	cps
Calcium	44-1	25672145	25787908	25617136	25692396	0.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3470	3627	3597	3565	2.33	cps
Cobalt	59-2	30414	30060	29910	30128	0.86	cps
Copper	63-2	2060	2177	2180	2139	3.20	cps
Dysprosium	156-1	17	3	27	16	75.27	cps
Dysprosium	156-2	27	33	23	28	18.33	cps
Erbium	164-1	90	50	47	62	38.75	cps
Erbium	164-2	53	60	70	61	13.73	cps
Gadolinium	160-1	57	43	67	56	21.08	cps
Gadolinium	160-2	393	400	380	391	2.60	cps
Holmium	165-1	9065734	8954920	8853715	8958123	1.18	cps
Holmium	165-2	6867770	6846133	6733757	6815887	1.06	cps
Indium	115-1	7840602	7733067	7718919	7764196	0.86	cps
Indium	115-2	3099485	3137131	3085753	3107456	0.86	cps
Iron	56-2	12046099	12348194	12213699	12202664	1.24	cps
Iron	57-2	346494	350213	346325	347677	0.63	cps
Iron	54-2	702754	695229	692277	696753	0.78	cps
Krypton	83-1	523	453	497	491	7.19	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:58:59	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	980	873	853	902	7.55	cps
Lead	207-1	743	713	590	682	11.91	cps
Lead	208-1	3690	3177	3050	3306	10.25	cps
Lithium	6-1	509998	496600	497254	501284	1.51	cps
Magnesium	24-2	3191204	3149549	3180013	3173589	0.68	cps
Manganese	55-2	1493821	1521607	1514730	1510053	0.96	cps
Molybdenum	94-1	77507	78151	77179	77613	0.64	cps
Molybdenum	95-1	132488	133036	133910	133145	0.54	cps
Molybdenum	96-1	142973	140694	139785	141151	1.16	cps
Molybdenum	97-1	82251	83035	81774	82353	0.77	cps
Molybdenum	98-1	213174	214019	210706	212633	0.81	cps
Neodymium	150-1	20	27	33	27	24.99	cps
Neodymium	150-2	20	7	17	14	48.02	cps
Nickel	60-2	15405	15782	15511	15566	1.25	cps
Phosphorus	31-2	1567	1460	1637	1555	5.72	cps
Potassium	39-2	7978252	7974838	7878590	7943893	0.71	cps
Rhodium	103-1	8059454	7994467	7695939	7916620	2.45	cps
Rhodium	103-2	5103033	5002623	5049170	5051609	0.99	cps
Scandium	45-1	5177542	4978235	4895314	5017031	2.89	cps
Scandium	45-2	531265	531277	536845	533129	0.60	cps
Selenium	82-1	293	415	359	355	17.16	cps
Selenium	77-2	3	0	10	4	114.60	cps
Selenium	78-2	620	613	640	624	2.22	cps
Silicon	28-1	31938580	31352065	31377745	31556130	1.05	cps
Silver	107-1	463	327	403	398	17.22	cps
Silver	109-1	393	333	300	342	13.82	cps
Sodium	23-2	10974348	10795374	11218206	10995976	1.93	cps
Strontium	86-1	1317332	1320277	1307487	1315032	0.51	cps
Strontium	88-1	11703951	11707004	11307725	11572893	1.98	cps
Sulfur	34-1	1749173	1727764	1713299	1730078	1.04	cps
Terbium	159-1	9172733	9217610	9017504	9135949	1.15	cps
Terbium	159-2	6436418	6424006	6251952	6370792	1.62	cps
Thallium	203-1	950	833	690	824	15.80	cps
Thallium	205-1	1900	1913	1760	1858	4.57	cps
Tin	118-1	2474	2257	2097	2276	8.31	cps
Titanium	47-1	663	650	637	650	2.05	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 13:58:59	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	730	573	537	613	16.74	cps
Vanadium	51-2	5438	5168	5104	5237	3.38	cps
Yttrium	89-1	14023094	13942954	13842631	13936226	0.65	cps
Yttrium	89-2	4182490	4167476	4112391	4154119	0.89	cps
Zinc	66-2	5748	5511	5268	5509	4.36	cps
Zirconium	90-1	1100	980	993	1024	6.42	cps
Zirconium	91-1	300	240	177	239	25.82	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01DUP	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325DU	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:02:09	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	179817	179147	178965	179310	0.25	cps
Antimony	121-1	9603	9393	9473	9490	1.12	cps
Arsenic	75-2	517	397	523	479	14.89	cps
Barium	135-1	404322	404785	400252	403120	0.62	cps
Barium	137-1	691785	688472	689759	690005	0.24	cps
Beryllium	9-1	27	10	13	17	52.93	cps
Bismuth	209-1	5495596	5469123	5377092	5447270	1.14	cps
Bismuth	209-2	4669131	4491708	4543197	4568012	2.00	cps
Bromine	81-1	31935	33799	35890	33875	5.84	cps
Bromine	81-2	6011	5708	6015	5911	2.98	cps
Cadmium	108-1	17	53	23	31	62.77	cps
Cadmium	106-1	3194	3250	3250	3232	1.01	cps
Cadmium	111-1	2281	2285	2326	2297	1.08	cps
Calcium	43-1	1593727	1564858	1542956	1567180	1.62	cps
Calcium	44-1	25880775	25685325	24942805	25502969	1.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3630	3520	3497	3549	2.01	cps
Cobalt	59-2	30959	30034	30134	30375	1.67	cps
Copper	63-2	1843	1787	1987	1872	5.51	cps
Dysprosium	156-1	23	30	13	22	37.76	cps
Dysprosium	156-2	33	33	27	31	12.36	cps
Erbium	164-1	40	57	70	56	27.06	cps
Erbium	164-2	77	73	50	67	21.80	cps
Gadolinium	160-1	57	70	47	58	20.26	cps
Gadolinium	160-2	443	330	370	381	15.08	cps
Holmium	165-1	9018534	9387708	9142405	9182882	2.05	cps
Holmium	165-2	6786904	6831893	6750456	6789751	0.60	cps
Indium	115-1	7973728	7870228	8043332	7962430	1.09	cps
Indium	115-2	3154534	3127887	3154954	3145792	0.49	cps
Iron	56-2	12393414	12400345	12372529	12388763	0.12	cps
Iron	57-2	354055	351210	350407	351890	0.54	cps
Iron	54-2	712457	701362	706981	706933	0.78	cps
Krypton	83-1	477	533	500	503	5.66	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01DUP	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325DU	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:02:09	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	837	727	643	736	13.18	cps
Lead	207-1	600	550	547	566	5.28	cps
Lead	208-1	2967	2647	2520	2711	8.49	cps
Lithium	6-1	515872	508201	500767	508280	1.49	cps
Magnesium	24-2	3260069	3291899	3202577	3251515	1.39	cps
Manganese	55-2	1557125	1560969	1534130	1550741	0.94	cps
Molybdenum	94-1	77139	77993	75373	76835	1.74	cps
Molybdenum	95-1	134012	133379	131839	133077	0.84	cps
Molybdenum	96-1	142787	143854	139735	142126	1.50	cps
Molybdenum	97-1	82790	83608	82039	82812	0.95	cps
Molybdenum	98-1	211655	214858	214442	213651	0.82	cps
Neodymium	150-1	17	20	27	21	24.12	cps
Neodymium	150-2	17	17	20	18	10.81	cps
Nickel	60-2	16289	15638	15829	15919	2.10	cps
Phosphorus	31-2	1597	1533	1430	1520	5.53	cps
Potassium	39-2	8009228	8034831	8005394	8016484	0.20	cps
Rhodium	103-1	7873775	8183883	8130371	8062676	2.06	cps
Rhodium	103-2	5258079	5014993	5084734	5119268	2.45	cps
Scandium	45-1	5137743	5084363	4934175	5052094	2.09	cps
Scandium	45-2	547519	544808	544611	545646	0.30	cps
Selenium	82-1	390	301	374	355	13.33	cps
Selenium	77-2	13	10	10	11	17.30	cps
Selenium	78-2	533	640	597	590	9.09	cps
Silicon	28-1	31895518	32229868	31877041	32000809	0.62	cps
Silver	107-1	120	123	163	136	17.79	cps
Silver	109-1	110	137	133	127	11.47	cps
Sodium	23-2	11397082	11485739	11229574	11370798	1.14	cps
Strontium	86-1	1336142	1343881	1320838	1333620	0.88	cps
Strontium	88-1	11560525	11861552	11735018	11719032	1.29	cps
Sulfur	34-1	1734041	1760898	1731101	1742013	0.94	cps
Terbium	159-1	9202457	9477690	9564459	9414869	2.01	cps
Terbium	159-2	6480919	6576118	6503902	6520313	0.76	cps
Thallium	203-1	580	560	627	589	5.81	cps
Thallium	205-1	1437	1423	1473	1445	1.79	cps
Tin	118-1	2140	2344	2134	2206	5.41	cps
Titanium	47-1	560	603	587	583	3.75	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01DUP	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325DU	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:02:09	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	567	557	417	513	16.34	cps
Vanadium	51-2	5394	5118	5348	5287	2.80	cps
Yttrium	89-1	14312471	14498216	14407985	14406224	0.64	cps
Yttrium	89-2	4275199	4299440	4166742	4247127	1.66	cps
Zinc	66-2	5514	5534	5538	5529	0.23	cps
Zirconium	90-1	793	847	787	809	4.07	cps
Zirconium	91-1	193	190	163	182	9.02	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01LX5	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325L	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:05:17	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	32775	33393	33102	33090	0.93	cps
Antimony	121-1	1663	1760	1770	1731	3.40	cps
Arsenic	75-2	87	123	67	92	31.16	cps
Barium	135-1	68347	70983	70896	70075	2.14	cps
Barium	137-1	119337	119717	120192	119749	0.36	cps
Beryllium	9-1	23	7	7	12	78.69	cps
Bismuth	209-1	4745698	4795355	4697664	4746239	1.03	cps
Bismuth	209-2	4187936	4038756	4126666	4117786	1.82	cps
Bromine	81-1	18809	18605	19209	18874	1.63	cps
Bromine	81-2	1763	1920	1773	1819	4.82	cps
Cadmium	108-1	27	17	13	19	36.75	cps
Cadmium	106-1	2797	2827	3047	2890	4.72	cps
Cadmium	111-1	1983	2017	2140	2047	4.05	cps
Calcium	43-1	286967	287763	285045	286592	0.49	cps
Calcium	44-1	4450197	4542781	4466177	4486385	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2647	2674	2667	2662	0.52	cps
Cobalt	59-2	5351	5131	5394	5292	2.67	cps
Copper	63-2	1450	1283	1510	1415	8.30	cps
Dysprosium	156-1	0	23	7	10	120.16	cps
Dysprosium	156-2	13	10	23	16	44.60	cps
Erbium	164-1	53	87	53	64	29.87	cps
Erbium	164-2	47	27	53	42	32.86	cps
Gadolinium	160-1	43	47	40	43	7.70	cps
Gadolinium	160-2	373	287	333	331	13.10	cps
Holmium	165-1	8175720	8064240	8029640	8089867	0.94	cps
Holmium	165-2	6030123	5818390	5971485	5939999	1.84	cps
Indium	115-1	7015946	6978992	6992831	6995923	0.27	cps
Indium	115-2	2850088	2768884	2779315	2799429	1.58	cps
Iron	56-2	2169454	2162771	2179130	2170452	0.38	cps
Iron	57-2	64465	64100	63588	64051	0.69	cps
Iron	54-2	126804	126161	126511	126492	0.25	cps
Krypton	83-1	447	487	470	468	4.30	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01LX5	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325L	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:05:17	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	530	487	450	489	8.19	cps
Lead	207-1	387	437	397	407	6.51	cps
Lead	208-1	1950	1933	1813	1899	3.93	cps
Lithium	6-1	449464	446860	445127	447150	0.49	cps
Magnesium	24-2	559187	553435	548611	553744	0.96	cps
Manganese	55-2	274375	270484	271761	272207	0.73	cps
Molybdenum	94-1	13687	13757	13830	13758	0.52	cps
Molybdenum	95-1	23759	23416	23068	23414	1.48	cps
Molybdenum	96-1	25002	24771	25172	24981	0.81	cps
Molybdenum	97-1	14367	14491	14491	14449	0.49	cps
Molybdenum	98-1	36539	37465	36830	36945	1.28	cps
Neodymium	150-1	10	3	10	8	49.52	cps
Neodymium	150-2	0	13	3	6	124.93	cps
Nickel	60-2	3350	3187	3207	3248	2.74	cps
Phosphorus	31-2	797	763	817	792	3.40	cps
Potassium	39-2	1459903	1460514	1494741	1471719	1.35	cps
Rhodium	103-1	7210872	7153816	7300650	7221779	1.02	cps
Rhodium	103-2	4624967	4505065	4477344	4535792	1.73	cps
Scandium	45-1	4468112	4528022	4498046	4498060	0.67	cps
Scandium	45-2	482501	474996	478695	478730	0.78	cps
Selenium	82-1	260	290	298	282	7.17	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	573	617	600	597	3.66	cps
Silicon	28-1	6421944	6345285	6376775	6381335	0.60	cps
Silver	107-1	107	93	97	99	7.02	cps
Silver	109-1	107	60	120	96	32.97	cps
Sodium	23-2	2027251	2015309	1960303	2000954	1.78	cps
Strontium	86-1	232860	234376	231385	232874	0.64	cps
Strontium	88-1	2006901	2061137	2075168	2047735	1.76	cps
Sulfur	34-1	424691	429007	426174	426624	0.51	cps
Terbium	159-1	8143359	8284037	8112753	8180050	1.12	cps
Terbium	159-2	5812477	5765853	5778209	5785513	0.42	cps
Thallium	203-1	373	330	333	346	6.98	cps
Thallium	205-1	883	820	797	833	5.38	cps
Tin	118-1	1260	1243	1407	1303	6.90	cps
Titanium	47-1	187	227	170	194	14.98	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01LX5	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325L	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:05:17	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	210	97	97	134	48.67	cps
Vanadium	51-2	983	917	947	949	3.52	cps
Yttrium	89-1	12773252	12420331	12341771	12511785	1.84	cps
Yttrium	89-2	3756111	3724013	3740510	3740211	0.43	cps
Zinc	66-2	4911	4684	4951	4849	2.97	cps
Zirconium	90-1	567	613	613	598	4.51	cps
Zirconium	91-1	103	103	93	100	5.78	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MS	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:08:34	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1787256	1859742	1749137	1798712	3.12	cps
Antimony	121-1	2804663	2860805	2822351	2829273	1.01	cps
Arsenic	75-2	207525	210428	206226	208060	1.03	cps
Barium	135-1	3415626	3396225	3369140	3393664	0.69	cps
Barium	137-1	5893457	5967268	5879067	5913264	0.80	cps
Beryllium	9-1	333796	337164	331491	334150	0.85	cps
Bismuth	209-1	5599073	5461131	5408456	5489553	1.79	cps
Bismuth	209-2	4645779	4567173	4486734	4566562	1.74	cps
Bromine	81-1	39360	45891	48526	44592	10.58	cps
Bromine	81-2	9176	9386	9527	9363	1.88	cps
Cadmium	108-1	54753	55426	53114	54431	2.18	cps
Cadmium	106-1	80684	81802	81568	81351	0.73	cps
Cadmium	111-1	766782	780380	776759	774640	0.91	cps
Calcium	43-1	2297387	2353674	2321093	2324051	1.22	cps
Calcium	44-1	37455685	37488723	37633732	37526047	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1543726	1565195	1582334	1563752	1.24	cps
Cobalt	59-2	2562068	2565984	2537515	2555189	0.60	cps
Copper	63-2	17628366	17373731	17671543	17557880	0.92	cps
Dysprosium	156-1	83	90	87	87	3.85	cps
Dysprosium	156-2	233	233	203	223	7.76	cps
Erbium	164-1	167	97	120	128	27.89	cps
Erbium	164-2	83	103	80	89	14.20	cps
Gadolinium	160-1	143	123	123	130	8.88	cps
Gadolinium	160-2	500	387	460	449	12.80	cps
Holmium	165-1	9346322	9340851	9427835	9371669	0.52	cps
Holmium	165-2	6954392	6725865	7023457	6901238	2.26	cps
Indium	115-1	8120659	7969072	7914155	8001295	1.34	cps
Indium	115-2	3222580	3213987	3228501	3221689	0.23	cps
Iron	56-2	77504287	78111076	76202207	77272523	1.26	cps
Iron	57-2	1999335	1964009	1864645	1942663	3.59	cps
Iron	54-2	4340147	4395127	4220041	4318438	2.07	cps
Krypton	83-1	523	470	477	490	5.93	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MS	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:08:34	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10086358	10099999	10300053	10162136	1.18	cps
Lead	207-1	8633666	8770318	9018837	8807607	2.22	cps
Lead	208-1	39576186	40331028	40539461	40148892	1.26	cps
Lithium	6-1	518868	515262	513339	515823	0.54	cps
Magnesium	24-2	18769743	19025552	18539556	18778284	1.29	cps
Manganese	55-2	13900249	14057867	13827322	13928480	0.85	cps
Molybdenum	94-1	5182870	5254989	5130568	5189476	1.20	cps
Molybdenum	95-1	5737467	5701311	5647666	5695481	0.79	cps
Molybdenum	96-1	6492341	6406358	6273881	6390860	1.72	cps
Molybdenum	97-1	3508426	3566804	3564867	3546699	0.93	cps
Molybdenum	98-1	9069974	9197255	9082135	9116455	0.77	cps
Neodymium	150-1	127	80	110	106	22.41	cps
Neodymium	150-2	37	23	20	27	33.08	cps
Nickel	60-2	649251	646692	649672	648538	0.25	cps
Phosphorus	31-2	1500	1390	1387	1426	4.52	cps
Potassium	39-2	15790869	15703449	15399712	15631343	1.31	cps
Rhodium	103-1	8008818	8111738	8015363	8045306	0.72	cps
Rhodium	103-2	5255429	5188355	5145264	5196349	1.07	cps
Scandium	45-1	5274379	5316449	5116848	5235892	2.01	cps
Scandium	45-2	565195	554316	554622	558044	1.11	cps
Selenium	82-1	63523	64419	63439	63794	0.85	cps
Selenium	77-2	7682	7845	7649	7725	1.36	cps
Selenium	78-2	25913	26380	26551	26281	1.26	cps
Silicon	28-1	30119812	30832023	29734599	30228811	1.84	cps
Silver	107-1	636075	644299	634939	638438	0.80	cps
Silver	109-1	597854	600031	598203	598696	0.20	cps
Sodium	23-2	34845313	35025106	34231955	34700791	1.20	cps
Strontium	86-1	2438917	2486558	2437089	2454188	1.14	cps
Strontium	88-1	21032763	21043885	20812860	20963169	0.62	cps
Sulfur	34-1	1672988	1650925	1645727	1656547	0.87	cps
Terbium	159-1	9690903	9272308	9333859	9432357	2.40	cps
Terbium	159-2	6503489	6809967	6536818	6616758	2.54	cps
Thallium	203-1	2456826	2540760	2460853	2486146	1.90	cps
Thallium	205-1	5877563	6005598	5954929	5946030	1.08	cps
Tin	118-1	2098398	2109522	2109985	2105969	0.31	cps
Titanium	47-1	2100	2060	1990	2050	2.72	cps

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MS	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:08:34	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7153997	6907947	7011667	7024537	1.76	cps
Vanadium	51-2	1395755	1426313	1417774	1413281	1.12	cps
Yttrium	89-1	14821746	14712212	14490783	14674914	1.15	cps
Yttrium	89-2	4345347	4181023	4266364	4264244	1.93	cps
Zinc	66-2	3136857	3218748	3095619	3150408	1.99	cps
Zirconium	90-1	5272091	5322731	5265293	5286705	0.59	cps
Zirconium	91-1	1146408	1157173	1153333	1152305	0.47	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MSD	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:11:17	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1755782	1791203	1774929	1773971	1.00	cps
Antimony	121-1	2812332	2852207	2787649	2817396	1.16	cps
Arsenic	75-2	210825	208930	208641	209466	0.57	cps
Barium	135-1	3369306	3404332	3320111	3364583	1.26	cps
Barium	137-1	5824437	5826483	5947572	5866164	1.20	cps
Beryllium	9-1	331532	328344	328210	329362	0.57	cps
Bismuth	209-1	5504878	5447104	5443483	5465155	0.63	cps
Bismuth	209-2	4548483	4700369	4506235	4585029	2.23	cps
Bromine	81-1	41472	47339	50346	46386	9.73	cps
Bromine	81-2	9680	9597	9567	9614	0.61	cps
Cadmium	108-1	53067	54636	54509	54071	1.61	cps
Cadmium	106-1	80841	80935	81347	81041	0.33	cps
Cadmium	111-1	772966	772322	786684	777324	1.04	cps
Calcium	43-1	2359253	2368182	2402668	2376701	0.96	cps
Calcium	44-1	37904486	37908553	38062369	37958469	0.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1584830	1591429	1581317	1585859	0.32	cps
Cobalt	59-2	2559583	2546352	2534981	2546972	0.48	cps
Copper	63-2	17869688	17593431	17517445	17660188	1.05	cps
Dysprosium	156-1	97	123	103	108	12.88	cps
Dysprosium	156-2	170	203	193	189	9.06	cps
Erbium	164-1	117	127	113	119	5.84	cps
Erbium	164-2	83	80	100	88	12.21	cps
Gadolinium	160-1	120	93	77	97	22.61	cps
Gadolinium	160-2	380	450	437	422	8.80	cps
Holmium	165-1	9437119	9348609	9292412	9359380	0.78	cps
Holmium	165-2	6755317	6991546	6731374	6826079	2.11	cps
Indium	115-1	7989718	8008761	8011976	8003485	0.15	cps
Indium	115-2	3083797	3173098	3048030	3101641	2.08	cps
Iron	56-2	75757304	76271356	77666427	76565029	1.29	cps
Iron	57-2	1922270	1985306	1992638	1966738	1.97	cps
Iron	54-2	4354387	4310664	4373829	4346293	0.74	cps
Krypton	83-1	437	510	457	468	8.10	cps

Reviewed By:jaswal
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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MSD	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:11:17	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10019325	10070378	10067704	10052469	0.29	cps
Lead	207-1	8570449	8729245	8669912	8656535	0.93	cps
Lead	208-1	39189337	39453830	39665573	39436247	0.61	cps
Lithium	6-1	517446	515097	502185	511576	1.61	cps
Magnesium	24-2	18672835	18648423	19232953	18851404	1.75	cps
Manganese	55-2	13721119	13507830	13982835	13737261	1.73	cps
Molybdenum	94-1	5151463	5183441	5117590	5150831	0.64	cps
Molybdenum	95-1	5657713	5600512	5729665	5662630	1.14	cps
Molybdenum	96-1	6248787	6355481	6425561	6343276	1.40	cps
Molybdenum	97-1	3499416	3532584	3479081	3503694	0.77	cps
Molybdenum	98-1	9198750	9184009	9086441	9156400	0.67	cps
Neodymium	150-1	150	117	100	122	20.83	cps
Neodymium	150-2	27	20	23	23	14.29	cps
Nickel	60-2	660682	668403	652950	660678	1.17	cps
Phosphorus	31-2	1383	1543	1343	1423	7.44	cps
Potassium	39-2	16100247	16382577	16113339	16198721	0.98	cps
Rhodium	103-1	8121756	8205112	8114247	8147038	0.62	cps
Rhodium	103-2	5223287	5197654	4980359	5133766	2.60	cps
Scandium	45-1	5200820	5035665	5142451	5126312	1.63	cps
Scandium	45-2	547642	560718	546610	551657	1.43	cps
Selenium	82-1	64330	64027	64178	64178	0.24	cps
Selenium	77-2	7789	7902	7976	7889	1.19	cps
Selenium	78-2	26838	27088	26768	26898	0.63	cps
Silicon	28-1	31634144	30995873	31011601	31213873	1.17	cps
Silver	107-1	638498	643033	645700	642410	0.57	cps
Silver	109-1	601310	604609	600894	602271	0.34	cps
Sodium	23-2	35239112	35203369	34911207	35117896	0.51	cps
Strontium	86-1	2472316	2509724	2521349	2501130	1.02	cps
Strontium	88-1	21184677	21023906	21304384	21170989	0.66	cps
Sulfur	34-1	1710314	1642732	1710424	1687824	2.31	cps
Terbium	159-1	9402038	9332807	9239392	9324746	0.88	cps
Terbium	159-2	6399878	6593018	6602162	6531686	1.75	cps
Thallium	203-1	2399809	2461299	2400670	2420593	1.46	cps
Thallium	205-1	5924523	5926367	5827900	5892930	0.96	cps
Tin	118-1	2096170	2106871	2102464	2101835	0.26	cps
Titanium	47-1	2020	1943	1980	1981	1.94	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01MSD	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325MS	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:11:17	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7075010	7170321	7074249	7106527	0.78	cps
Vanadium	51-2	1409426	1422181	1425462	1419023	0.60	cps
Yttrium	89-1	14716369	14553317	14468742	14579476	0.86	cps
Yttrium	89-2	4288160	4372914	4219561	4293545	1.79	cps
Zinc	66-2	3202593	3216391	3063568	3160851	2.67	cps
Zirconium	90-1	5262015	5378851	5379269	5340045	1.27	cps
Zirconium	91-1	1143080	1164002	1167743	1158275	1.15	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01A	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325A	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:14:04	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1841943	1814816	1807694	1821485	0.99	cps
Antimony	121-1	2830967	2874284	2837944	2847732	0.82	cps
Arsenic	75-2	211182	209312	207271	209255	0.93	cps
Barium	135-1	3445051	3405603	3377929	3409528	0.99	cps
Barium	137-1	5864659	5902559	5814782	5860667	0.75	cps
Beryllium	9-1	327844	332227	326535	328868	0.91	cps
Bismuth	209-1	5557095	5706067	5492349	5585171	1.96	cps
Bismuth	209-2	4534414	4567776	4599244	4567145	0.71	cps
Bromine	81-1	41111	47192	51834	46712	11.51	cps
Bromine	81-2	9557	9940	9650	9715	2.06	cps
Cadmium	108-1	54713	55550	54609	54957	0.94	cps
Cadmium	106-1	80358	81703	81568	81210	0.91	cps
Cadmium	111-1	781277	794706	785961	787315	0.87	cps
Calcium	43-1	2295225	2275639	2315528	2295464	0.87	cps
Calcium	44-1	37982499	38004431	37149928	37712286	1.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1607775	1602079	1530454	1580103	2.73	cps
Cobalt	59-2	2503353	2517570	2558348	2526424	1.13	cps
Copper	63-2	17864095	17793162	17679052	17778770	0.53	cps
Dysprosium	156-1	100	87	87	91	8.45	cps
Dysprosium	156-2	173	167	167	169	2.28	cps
Erbium	164-1	143	93	117	118	21.25	cps
Erbium	164-2	93	100	87	93	7.14	cps
Gadolinium	160-1	133	143	77	118	30.53	cps
Gadolinium	160-2	400	413	413	409	1.88	cps
Holmium	165-1	9467944	9497453	9306842	9424080	1.09	cps
Holmium	165-2	6782101	6997341	6570921	6783454	3.14	cps
Indium	115-1	8181395	8072231	7977853	8077160	1.26	cps
Indium	115-2	3081813	3212611	3059233	3117886	2.66	cps
Iron	56-2	76538806	76931349	77198932	76889696	0.43	cps
Iron	57-2	1993236	1911138	1975659	1960011	2.21	cps
Iron	54-2	4417155	4319442	4429478	4388692	1.37	cps
Krypton	83-1	470	527	483	493	6.01	cps

Reviewed By:jaswal
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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01A	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325A	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:14:04	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10242169	10370281	10093565	10235338	1.35	cps
Lead	207-1	8900171	8680742	8760517	8780477	1.26	cps
Lead	208-1	39852635	40411800	40161989	40142142	0.70	cps
Lithium	6-1	519222	511869	504237	511776	1.46	cps
Magnesium	24-2	19371802	19286125	18896606	19184844	1.32	cps
Manganese	55-2	13977109	14114606	14003961	14031892	0.52	cps
Molybdenum	94-1	5246876	5214473	5198655	5220002	0.47	cps
Molybdenum	95-1	5705474	5762855	5747285	5738538	0.52	cps
Molybdenum	96-1	6332570	6345175	6417880	6365208	0.72	cps
Molybdenum	97-1	3516763	3547355	3566918	3543679	0.71	cps
Molybdenum	98-1	9267330	9281397	9263205	9270644	0.10	cps
Neodymium	150-1	97	127	120	114	13.76	cps
Neodymium	150-2	43	40	27	37	24.04	cps
Nickel	60-2	649451	668402	649595	655816	1.66	cps
Phosphorus	31-2	1447	1663	1577	1562	6.98	cps
Potassium	39-2	16021951	16293700	16221289	16178980	0.87	cps
Rhodium	103-1	8337700	8175707	8013381	8175596	1.98	cps
Rhodium	103-2	5114332	5233252	5163950	5170511	1.16	cps
Scandium	45-1	5250920	5214441	5054738	5173366	2.02	cps
Scandium	45-2	549412	560185	543492	551030	1.54	cps
Selenium	82-1	64115	65106	64501	64574	0.77	cps
Selenium	77-2	7835	7669	7659	7721	1.29	cps
Selenium	78-2	27188	27893	25729	26937	4.10	cps
Silicon	28-1	30656904	32023451	31012537	31230964	2.27	cps
Silver	107-1	645199	651096	645448	647248	0.52	cps
Silver	109-1	600272	611558	608817	606882	0.97	cps
Sodium	23-2	36090487	34961014	34107795	35053099	2.84	cps
Strontium	86-1	2448060	2457017	2508349	2471142	1.32	cps
Strontium	88-1	21517879	21544334	21757057	21606423	0.61	cps
Sulfur	34-1	1698419	1682380	1693770	1691523	0.49	cps
Terbium	159-1	9419444	9513968	9298577	9410663	1.15	cps
Terbium	159-2	6722767	6533326	6678134	6644742	1.49	cps
Thallium	203-1	2477109	2513237	2472669	2487672	0.89	cps
Thallium	205-1	5852249	6071837	5850112	5924733	2.15	cps
Tin	118-1	2096888	2085024	2108218	2096710	0.55	cps
Titanium	47-1	2060	2027	2024	2037	1.00	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-01A	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325A	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:14:04	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7092094	7236871	7205580	7178182	1.06	cps
Vanadium	51-2	1447104	1460818	1388108	1432010	2.70	cps
Yttrium	89-1	14796298	14905456	14342906	14681554	2.03	cps
Yttrium	89-2	4230923	4373696	4241878	4282166	1.86	cps
Zinc	66-2	3236657	3145459	3227814	3203310	1.57	cps
Zirconium	90-1	5208756	5329449	5238712	5258972	1.20	cps
Zirconium	91-1	1149235	1182353	1157515	1163034	1.48	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:32:14	DataFile Name :	048CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8226974	7963234	7972113	8054107	1.86	cps
Antimony	121-1	2618841	2654691	2606200	2626577	0.96	cps
Arsenic	75-2	198500	193038	196087	195875	1.40	cps
Barium	135-1	3190528	3217760	3211035	3206441	0.44	cps
Barium	137-1	5454961	5548431	5542608	5515333	0.95	cps
Beryllium	9-1	324237	329833	323198	325756	1.10	cps
Bismuth	209-1	4526610	4662450	4615248	4601436	1.50	cps
Bismuth	209-2	3861667	3807202	3811239	3826702	0.79	cps
Bromine	81-1	11635	10761	10978	11124	4.09	cps
Bromine	81-2	300	307	273	293	6.01	cps
Cadmium	108-1	52649	52672	51418	52246	1.37	cps
Cadmium	106-1	73938	75284	74380	74534	0.92	cps
Cadmium	111-1	714424	726643	716667	719244	0.90	cps
Calcium	43-1	3809621	3903231	3877228	3863360	1.25	cps
Calcium	44-1	62421009	63831752	63781181	63344647	1.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1572453	1573046	1532393	1559297	1.49	cps
Cobalt	59-2	2362621	2402592	2352830	2372681	1.11	cps
Copper	63-2	18149483	17865507	17969440	17994810	0.80	cps
Dysprosium	156-1	183	157	177	172	8.06	cps
Dysprosium	156-2	283	277	233	264	10.27	cps
Erbium	164-1	357	333	333	341	3.95	cps
Erbium	164-2	220	260	270	250	10.58	cps
Gadolinium	160-1	173	193	240	202	16.92	cps
Gadolinium	160-2	480	440	403	441	8.69	cps
Holmium	165-1	8467766	8092911	8060999	8207225	2.76	cps
Holmium	165-2	6093983	5760724	5861072	5905260	2.90	cps
Indium	115-1	6867175	6788718	6844722	6833538	0.59	cps
Indium	115-2	2701515	2631219	2595726	2642820	2.04	cps
Iron	56-2	345787062	332999102	334543335	337776499	2.07	cps
Iron	57-2	8276312	8340592	8064381	8227095	1.76	cps
Iron	54-2	18225006	18674474	18607309	18502263	1.31	cps
Krypton	83-1	550	487	490	509	7.00	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:32:14	DataFile Name :	048CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9355013	9810790	9359087	9508297	2.76	cps
Lead	207-1	8122335	8273029	7997183	8130849	1.70	cps
Lead	208-1	37145428	37925799	37108323	37393183	1.23	cps
Lithium	6-1	440275	433966	432856	435699	0.92	cps
Magnesium	24-2	73672411	74012202	73163252	73615955	0.58	cps
Manganese	55-2	12884664	12798612	12929006	12870761	0.52	cps
Molybdenum	94-1	10548438	10655393	10644880	10616237	0.56	cps
Molybdenum	95-1	15265285	14875875	15007782	15049647	1.32	cps
Molybdenum	96-1	16103454	16250441	15857126	16070340	1.24	cps
Molybdenum	97-1	9079824	9445418	9237182	9254141	1.98	cps
Molybdenum	98-1	23687557	24565559	24212245	24155120	1.83	cps
Neodymium	150-1	160	200	130	163	21.50	cps
Neodymium	150-2	53	90	83	76	25.85	cps
Nickel	60-2	605227	601034	603520	603260	0.35	cps
Phosphorus	31-2	99919	98857	97231	98669	1.37	cps
Potassium	39-2	42559604	42517963	42255944	42444504	0.39	cps
Rhodium	103-1	6815811	6814162	6775511	6801828	0.34	cps
Rhodium	103-2	4421463	4189149	4240749	4283787	2.85	cps
Scandium	45-1	4481033	4552406	4563869	4532436	0.99	cps
Scandium	45-2	487259	469629	471361	476083	2.04	cps
Selenium	82-1	56245	57720	57980	57315	1.63	cps
Selenium	77-2	7165	6985	6912	7021	1.86	cps
Selenium	78-2	23829	23870	23813	23837	0.12	cps
Silicon	28-1	10468886	10555477	10292077	10438814	1.29	cps
Silver	107-1	3649716	3711090	3645699	3668835	1.00	cps
Silver	109-1	3386312	3561373	3481004	3476230	2.52	cps
Sodium	23-2	111630022	111390132	112093808	111704654	0.32	cps
Strontium	86-1	949942	965348	964405	959898	0.90	cps
Strontium	88-1	8450222	8547399	8465269	8487630	0.62	cps
Sulfur	34-1	419382	424227	417441	420350	0.83	cps
Terbium	159-1	8165817	8260002	8140956	8188925	0.77	cps
Terbium	159-2	5674710	5664044	5673114	5670623	0.10	cps
Thallium	203-1	2343748	2406118	2285345	2345070	2.58	cps
Thallium	205-1	5423321	5654560	5576230	5551371	2.12	cps
Tin	118-1	2243880	2257502	2259961	2253781	0.38	cps
Titanium	47-1	3996524	4171413	4030739	4066225	2.28	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:32:14	DataFile Name :	048CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6701658	6910620	7025709	6879329	2.39	cps
Vanadium	51-2	1317390	1339901	1327481	1328257	0.85	cps
Yttrium	89-1	12620780	12506535	12481936	12536417	0.59	cps
Yttrium	89-2	3716139	3590092	3598976	3635069	1.94	cps
Zinc	66-2	3135739	3082492	3105408	3107880	0.86	cps
Zirconium	90-1	5185260	5335685	5176823	5232589	1.71	cps
Zirconium	91-1	1127382	1148558	1130921	1135621	1.00	cps

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On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:34:59	DataFile Name :	049CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1617	1787	1767	1723	5.39	cps
Antimony	121-1	840	783	663	762	11.84	cps
Arsenic	75-2	20	20	30	23	24.74	cps
Barium	135-1	103	100	63	89	24.97	cps
Barium	137-1	160	140	133	144	9.61	cps
Beryllium	9-1	7	10	17	11	45.82	cps
Bismuth	209-1	4643594	4638454	4436182	4572743	2.59	cps
Bismuth	209-2	3932594	3912469	3831448	3892170	1.38	cps
Bromine	81-1	10577	10691	10194	10487	2.48	cps
Bromine	81-2	290	253	270	271	6.77	cps
Cadmium	108-1	7	23	3	11	96.43	cps
Cadmium	106-1	2577	2660	2507	2581	2.97	cps
Cadmium	111-1	1869	1909	1813	1864	2.61	cps
Calcium	43-1	430	307	423	387	17.94	cps
Calcium	44-1	28991	28674	28668	28778	0.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2540	2517	2390	2482	3.25	cps
Cobalt	59-2	90	130	113	111	18.08	cps
Copper	63-2	1663	1640	1773	1692	4.21	cps
Dysprosium	156-1	3	7	0	3	100.05	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	43	70	50	54	25.49	cps
Erbium	164-2	40	50	57	49	17.16	cps
Gadolinium	160-1	43	47	33	41	16.89	cps
Gadolinium	160-2	327	323	253	301	13.75	cps
Holmium	165-1	7639573	7489833	7463717	7531041	1.26	cps
Holmium	165-2	5871404	5685540	5772372	5776438	1.61	cps
Indium	115-1	6714172	6736521	6492743	6647812	2.03	cps
Indium	115-2	2673641	2677124	2621366	2657377	1.18	cps
Iron	56-2	26570	26604	26186	26453	0.88	cps
Iron	57-2	1967	1847	1863	1892	3.44	cps
Iron	54-2	3067	3004	3050	3040	1.08	cps
Krypton	83-1	447	517	497	487	7.41	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:34:59	DataFile Name :	049CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	580	637	630	616	5.03	cps
Lead	207-1	637	520	513	557	12.46	cps
Lead	208-1	2560	2410	2263	2411	6.15	cps
Lithium	6-1	419759	424112	415222	419698	1.06	cps
Magnesium	24-2	1070	1043	887	1000	9.91	cps
Manganese	55-2	880	933	760	858	10.35	cps
Molybdenum	94-1	807	743	743	764	4.78	cps
Molybdenum	95-1	893	870	823	862	4.13	cps
Molybdenum	96-1	1287	847	853	996	25.33	cps
Molybdenum	97-1	643	507	527	559	13.21	cps
Molybdenum	98-1	1463	1260	1307	1343	7.93	cps
Neodymium	150-1	10	17	10	12	31.50	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	570	593	623	596	4.49	cps
Phosphorus	31-2	653	563	580	599	7.99	cps
Potassium	39-2	84926	84834	83916	84559	0.66	cps
Rhodium	103-1	6794354	6678382	6567707	6680148	1.70	cps
Rhodium	103-2	4347633	4338457	4156446	4280845	2.52	cps
Scandium	45-1	4199673	4212636	4131131	4181147	1.05	cps
Scandium	45-2	450128	455042	448341	451170	0.77	cps
Selenium	82-1	318	239	261	273	14.86	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	553	577	527	552	4.53	cps
Silicon	28-1	784733	773875	772651	777086	0.86	cps
Silver	107-1	497	343	407	416	18.54	cps
Silver	109-1	387	303	283	324	16.89	cps
Sodium	23-2	55887	55382	54718	55329	1.06	cps
Strontium	86-1	790	783	817	797	2.21	cps
Strontium	88-1	537	403	430	457	15.45	cps
Sulfur	34-1	171069	173954	173843	172955	0.94	cps
Terbium	159-1	7808753	7488756	7736950	7678153	2.19	cps
Terbium	159-2	5611826	5550706	5450663	5537731	1.47	cps
Thallium	203-1	547	553	493	531	6.19	cps
Thallium	205-1	1143	1260	1240	1215	5.14	cps
Tin	118-1	1093	970	1003	1022	6.24	cps
Titanium	47-1	120	143	110	124	13.75	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:34:59	DataFile Name :	049CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	300	107	90	166	70.51	cps
Vanadium	51-2	13	30	23	22	37.76	cps
Yttrium	89-1	11719621	11683562	11682763	11695315	0.18	cps
Yttrium	89-2	3581941	3534062	3513782	3543261	0.99	cps
Zinc	66-2	3811	4104	3951	3955	3.71	cps
Zirconium	90-1	863	990	893	916	7.23	cps
Zirconium	91-1	193	220	187	200	8.82	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-02	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:39:06	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	66805	67241	65436	66494	1.42	cps
Antimony	121-1	8749	8763	8769	8761	0.12	cps
Arsenic	75-2	223	263	330	272	19.79	cps
Barium	135-1	337107	335345	331654	334702	0.83	cps
Barium	137-1	582492	578839	569798	577043	1.13	cps
Beryllium	9-1	13	13	3	10	57.75	cps
Bismuth	209-1	5101937	4964578	4957626	5008047	1.63	cps
Bismuth	209-2	4276366	4460407	4311913	4349562	2.24	cps
Bromine	81-1	29526	33548	34958	32678	8.63	cps
Bromine	81-2	5738	5878	6041	5886	2.58	cps
Cadmium	108-1	23	20	23	22	8.65	cps
Cadmium	106-1	3044	2874	2757	2891	4.99	cps
Cadmium	111-1	2178	2054	1984	2072	4.74	cps
Calcium	43-1	1447847	1416123	1402228	1422066	1.64	cps
Calcium	44-1	23414808	23545729	23671188	23543908	0.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3360	3277	3434	3357	2.34	cps
Cobalt	59-2	1107	1163	1107	1126	2.91	cps
Copper	63-2	1643	1683	1577	1635	3.30	cps
Dysprosium	156-1	23	13	20	19	26.96	cps
Dysprosium	156-2	17	13	27	19	36.75	cps
Erbium	164-1	83	90	70	81	12.56	cps
Erbium	164-2	50	63	50	54	14.14	cps
Gadolinium	160-1	60	63	50	58	12.01	cps
Gadolinium	160-2	427	407	383	406	5.35	cps
Holmium	165-1	8560678	8522610	8413112	8498800	0.90	cps
Holmium	165-2	6293154	6510033	6419103	6407430	1.70	cps
Indium	115-1	7443436	7458836	7570849	7491040	0.93	cps
Indium	115-2	2950222	3070733	3042165	3021040	2.08	cps
Iron	56-2	128000	127684	125832	127172	0.92	cps
Iron	57-2	38991	38904	39298	39064	0.53	cps
Iron	54-2	8743	8756	8723	8740	0.19	cps
Krypton	83-1	480	513	443	479	7.31	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-02	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:39:06	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	593	727	557	626	14.30	cps
Lead	207-1	533	450	463	482	9.28	cps
Lead	208-1	2523	2460	2303	2429	4.66	cps
Lithium	6-1	475052	468531	467921	470501	0.84	cps
Magnesium	24-2	2501619	2484507	2464779	2483635	0.74	cps
Manganese	55-2	160804	158139	157400	158781	1.13	cps
Molybdenum	94-1	83581	84076	83195	83618	0.53	cps
Molybdenum	95-1	144260	144551	141997	143603	0.97	cps
Molybdenum	96-1	152572	152902	150374	151949	0.90	cps
Molybdenum	97-1	89667	89054	88376	89032	0.73	cps
Molybdenum	98-1	231782	230041	228182	230002	0.78	cps
Neodymium	150-1	23	20	23	22	8.65	cps
Neodymium	150-2	0	20	13	11	91.66	cps
Nickel	60-2	7042	6938	7075	7018	1.02	cps
Phosphorus	31-2	1037	900	910	949	8.03	cps
Potassium	39-2	7519044	7430071	7584288	7511134	1.03	cps
Rhodium	103-1	7784453	7730994	7515260	7676902	1.86	cps
Rhodium	103-2	4808786	5007834	4781697	4866106	2.54	cps
Scandium	45-1	4818546	4842524	4846644	4835904	0.31	cps
Scandium	45-2	511140	517826	511874	513613	0.71	cps
Selenium	82-1	443	336	368	382	14.43	cps
Selenium	77-2	10	0	3	4	114.60	cps
Selenium	78-2	640	680	640	653	3.53	cps
Silicon	28-1	25048934	24633511	24640441	24774295	0.96	cps
Silver	107-1	110	110	130	117	9.90	cps
Silver	109-1	87	93	100	93	7.14	cps
Sodium	23-2	10405631	10088341	10101540	10198504	1.76	cps
Strontium	86-1	1176821	1181779	1181316	1179972	0.23	cps
Strontium	88-1	10581502	10492058	10506887	10526816	0.46	cps
Sulfur	34-1	1538372	1562620	1549095	1550029	0.78	cps
Terbium	159-1	8731173	8681978	8508628	8640593	1.35	cps
Terbium	159-2	6175962	6374228	6120138	6223443	2.15	cps
Thallium	203-1	577	557	667	600	9.77	cps
Thallium	205-1	1520	1357	1210	1362	11.38	cps
Tin	118-1	1713	1567	1520	1600	6.31	cps
Titanium	47-1	347	260	280	296	15.35	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2878-02	Instrumnet Name :	P7
Client Sample ID :	MW-18B-57.5-081325	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 14:39:06	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	200	83	107	130	47.49	cps
Vanadium	51-2	570	593	520	561	6.68	cps
Yttrium	89-1	13682464	13567193	13396315	13548657	1.06	cps
Yttrium	89-2	4026480	4114723	4051096	4064099	1.12	cps
Zinc	66-2	4007	4144	4101	4084	1.71	cps
Zirconium	90-1	757	690	767	738	5.65	cps
Zirconium	91-1	137	187	130	151	20.50	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-01DLX5	Instrumnet Name :	P7
Client Sample ID :	60296DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:42:16	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3124	3184	2977	3095	3.44	cps
Antimony	121-1	190	163	210	188	12.47	cps
Arsenic	75-2	180	210	223	204	10.86	cps
Barium	135-1	2274	2214	2067	2185	4.87	cps
Barium	137-1	3967	3787	3814	3856	2.52	cps
Beryllium	9-1	23	0	13	12	95.78	cps
Bismuth	209-1	4665863	4675749	4834170	4725260	2.00	cps
Bismuth	209-2	4159486	4068413	4070453	4099451	1.27	cps
Bromine	81-1	21499	21890	21432	21607	1.14	cps
Bromine	81-2	2157	2280	2194	2210	2.87	cps
Cadmium	108-1	20	13	10	14	35.26	cps
Cadmium	106-1	2744	2600	2724	2689	2.89	cps
Cadmium	111-1	1937	1841	1930	1902	2.80	cps
Calcium	43-1	14210	14467	14607	14428	1.40	cps
Calcium	44-1	258937	266681	268002	264540	1.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3107	3284	3357	3249	3.96	cps
Cobalt	59-2	930	943	997	957	3.69	cps
Copper	63-2	4311	4184	4571	4355	4.53	cps
Dysprosium	156-1	0	20	7	9	114.55	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	63	33	47	48	31.46	cps
Erbium	164-2	43	43	60	49	19.69	cps
Gadolinium	160-1	60	73	50	61	19.15	cps
Gadolinium	160-2	327	333	377	346	7.86	cps
Holmium	165-1	7748976	7887888	8165846	7934236	2.68	cps
Holmium	165-2	6084338	5913724	6063559	6020540	1.55	cps
Indium	115-1	6814021	6847089	6927871	6862994	0.85	cps
Indium	115-2	2895885	2829620	2841129	2855544	1.24	cps
Iron	56-2	49760868	49728066	50770886	50086606	1.18	cps
Iron	57-2	1260353	1269078	1267427	1265619	0.37	cps
Iron	54-2	2785348	2714729	2732361	2744146	1.34	cps
Krypton	83-1	520	497	430	482	9.69	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-01DLX5	Instrumnet Name :	P7
Client Sample ID :	60296DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:42:16	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	667	593	590	617	7.03	cps
Lead	207-1	503	470	487	487	3.43	cps
Lead	208-1	2360	2057	2077	2165	7.84	cps
Lithium	6-1	424308	429348	434664	429440	1.21	cps
Magnesium	24-2	50142	50326	49848	50105	0.48	cps
Manganese	55-2	2522379	2558193	2533275	2537949	0.72	cps
Molybdenum	94-1	807	757	780	781	3.20	cps
Molybdenum	95-1	523	520	563	536	4.50	cps
Molybdenum	96-1	893	893	913	900	1.28	cps
Molybdenum	97-1	263	243	307	271	11.94	cps
Molybdenum	98-1	653	803	723	727	10.33	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	0	7	10	6	91.64	cps
Nickel	60-2	2247	2350	2267	2288	2.40	cps
Phosphorus	31-2	643	787	657	696	11.39	cps
Potassium	39-2	170459	168838	168241	169179	0.68	cps
Rhodium	103-1	6945065	7062827	7247313	7085069	2.15	cps
Rhodium	103-2	4702639	4653794	4638670	4665034	0.72	cps
Scandium	45-1	4406142	4264488	4509943	4393524	2.80	cps
Scandium	45-2	489574	485429	479216	484740	1.08	cps
Selenium	82-1	338	423	614	459	30.88	cps
Selenium	77-2	23	40	47	37	32.79	cps
Selenium	78-2	697	657	843	732	13.42	cps
Silicon	28-1	1413686	1494612	1534479	1480925	4.16	cps
Silver	107-1	83	127	117	109	20.84	cps
Silver	109-1	110	90	130	110	18.18	cps
Sodium	23-2	789539	779435	782267	783747	0.67	cps
Strontium	86-1	7739	7799	7909	7815	1.10	cps
Strontium	88-1	61116	61488	61184	61263	0.32	cps
Sulfur	34-1	175532	178034	182697	178754	2.03	cps
Terbium	159-1	7961373	7801881	8076006	7946420	1.73	cps
Terbium	159-2	5833282	5897630	5804928	5845280	0.81	cps
Thallium	203-1	313	343	333	330	4.63	cps
Thallium	205-1	607	673	817	699	15.35	cps
Tin	118-1	1513	1563	1643	1573	4.17	cps
Titanium	47-1	107	130	123	120	10.01	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-01DLX5	Instrumnet Name :	P7
Client Sample ID :	60296DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:42:16	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	157	13	20	63	127.74	cps
Vanadium	51-2	43	53	53	50	11.55	cps
Yttrium	89-1	12063757	12147304	12532407	12247823	2.04	cps
Yttrium	89-2	3863411	3739092	3727648	3776717	1.99	cps
Zinc	66-2	6588	6868	6351	6603	3.92	cps
Zirconium	90-1	1447	1353	1440	1413	3.68	cps
Zirconium	91-1	287	260	250	266	7.14	cps

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LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DLX5	Instrumnet Name :	P7
Client Sample ID :	60295DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:45:30	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15725	16552	15875	16051	2.75	cps
Antimony	121-1	9360	9423	9463	9415	0.55	cps
Arsenic	75-2	13666	13923	14140	13910	1.71	cps
Barium	135-1	1693	2003	1857	1851	8.38	cps
Barium	137-1	3244	3527	3334	3368	4.30	cps
Beryllium	9-1	83	57	60	67	21.79	cps
Bismuth	209-1	5402171	5552433	5550810	5501805	1.57	cps
Bismuth	209-2	5024225	4939499	4990905	4984876	0.86	cps
Bromine	81-1	18742	19843	20314	19633	4.11	cps
Bromine	81-2	1597	1697	1837	1710	7.05	cps
Cadmium	108-1	30	30	30	30	0.00	cps
Cadmium	106-1	3307	3437	3220	3322	3.28	cps
Cadmium	111-1	2511	2668	2497	2559	3.73	cps
Calcium	43-1	128729	131854	134391	131658	2.15	cps
Calcium	44-1	2190673	2297832	2392307	2293604	4.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24587	25422	24921	24976	1.68	cps
Cobalt	59-2	6578	6832	6361	6590	3.57	cps
Copper	63-2	15084	15368	14777	15077	1.96	cps
Dysprosium	156-1	47	37	33	39	17.85	cps
Dysprosium	156-2	23	10	53	29	76.83	cps
Erbium	164-1	70	83	83	79	9.76	cps
Erbium	164-2	67	60	73	67	10.00	cps
Gadolinium	160-1	50	77	57	61	22.71	cps
Gadolinium	160-2	467	420	523	470	11.01	cps
Holmium	165-1	8985326	9384048	9387288	9252221	2.50	cps
Holmium	165-2	7351570	7157260	7099900	7202910	1.83	cps
Indium	115-1	7997920	8067981	8147703	8071201	0.93	cps
Indium	115-2	3419010	3321097	3382965	3374357	1.47	cps
Iron	56-2	1057343318	1066260571	1049790598	1057798162	0.78	cps
Iron	57-2	25742936	26471084	26511718	26241913	1.65	cps
Iron	54-2	59053214	59662589	58411656	59042486	1.06	cps
Krypton	83-1	513	460	490	488	5.48	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DLX5	Instrumnet Name :	P7
Client Sample ID :	60295DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:45:30	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4714	4831	5021	4855	3.19	cps
Lead	207-1	4307	3964	4127	4133	4.16	cps
Lead	208-1	18805	18665	19352	18941	1.92	cps
Lithium	6-1	499196	508879	508552	505543	1.09	cps
Magnesium	24-2	442479	448107	440120	443569	0.93	cps
Manganese	55-2	57629059	58912861	57793287	58111736	1.20	cps
Molybdenum	94-1	18655	19286	19607	19183	2.52	cps
Molybdenum	95-1	31347	32289	32994	32210	2.57	cps
Molybdenum	96-1	39370	41064	42194	40876	3.48	cps
Molybdenum	97-1	19033	19683	19700	19472	1.95	cps
Molybdenum	98-1	48132	49955	50163	49417	2.26	cps
Neodymium	150-1	57	53	57	56	3.47	cps
Neodymium	150-2	30	33	30	31	6.18	cps
Nickel	60-2	13433	13773	13449	13552	1.42	cps
Phosphorus	31-2	1070	1233	1130	1145	7.22	cps
Potassium	39-2	821635	831368	830421	827808	0.65	cps
Rhodium	103-1	8372123	8285030	8314488	8323880	0.53	cps
Rhodium	103-2	5634629	5589293	5604856	5609593	0.41	cps
Scandium	45-1	5028321	5210419	5234719	5157820	2.19	cps
Scandium	45-2	591177	586953	594365	590832	0.63	cps
Selenium	82-1	7467	9112	10001	8860	14.52	cps
Selenium	77-2	1247	1487	1413	1382	8.90	cps
Selenium	78-2	5131	5184	5218	5178	0.84	cps
Silicon	28-1	9370716	10296677	11038923	10235438	8.17	cps
Silver	107-1	413	517	497	476	11.53	cps
Silver	109-1	443	447	477	456	4.03	cps
Sodium	23-2	6299298	6263290	6313412	6292000	0.41	cps
Strontium	86-1	52413	53936	53972	53440	1.66	cps
Strontium	88-1	443445	457071	464206	454907	2.32	cps
Sulfur	34-1	214713	214960	218168	215947	0.89	cps
Terbium	159-1	9391955	9370699	9362193	9374949	0.16	cps
Terbium	159-2	7087979	7011444	7081558	7060327	0.60	cps
Thallium	203-1	1360	1553	1647	1520	9.62	cps
Thallium	205-1	2957	3727	4194	3626	17.23	cps
Tin	118-1	3580	3544	3684	3603	2.02	cps
Titanium	47-1	773	813	863	817	5.52	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DLX5	Instrumnet Name :	P7
Client Sample ID :	60295DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:45:30	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	863	697	740	767	11.28	cps
Vanadium	51-2	847	870	833	850	2.18	cps
Yttrium	89-1	14197233	14672240	14698551	14522675	1.94	cps
Yttrium	89-2	4613270	4494461	4529185	4545639	1.34	cps
Zinc	66-2	26050	25809	25084	25648	1.96	cps
Zirconium	90-1	2307	2410	2420	2379	2.64	cps
Zirconium	91-1	540	563	497	533	6.34	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DLX5	Instrumnet Name :	P7
Client Sample ID :	60272DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:48:39	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	338011	328373	325152	330512	2.02	cps
Antimony	121-1	21586	22284	22511	22127	2.18	cps
Arsenic	75-2	32142	32412	32846	32467	1.10	cps
Barium	135-1	1203	1160	1020	1128	8.50	cps
Barium	137-1	1973	2074	2017	2021	2.48	cps
Beryllium	9-1	80	70	73	74	6.84	cps
Bismuth	209-1	4839331	5046161	4869612	4918368	2.27	cps
Bismuth	209-2	4482697	4322215	4384110	4396341	1.84	cps
Bromine	81-1	18342	20090	19673	19368	4.72	cps
Bromine	81-2	1723	1717	1637	1692	2.85	cps
Cadmium	108-1	50	43	30	41	24.77	cps
Cadmium	106-1	3147	3074	3207	3143	2.13	cps
Cadmium	111-1	2428	2311	2441	2393	2.98	cps
Calcium	43-1	10791	11004	11101	10965	1.45	cps
Calcium	44-1	335280	337704	342632	338539	1.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45358	45783	45759	45633	0.52	cps
Cobalt	59-2	12285	11448	11568	11767	3.85	cps
Copper	63-2	53753	52034	51813	52533	2.02	cps
Dysprosium	156-1	23	40	33	32	26.04	cps
Dysprosium	156-2	23	43	20	29	43.68	cps
Erbium	164-1	63	77	80	73	12.03	cps
Erbium	164-2	80	43	63	62	29.51	cps
Gadolinium	160-1	67	60	120	82	39.99	cps
Gadolinium	160-2	437	467	383	429	9.84	cps
Holmium	165-1	8598176	8541253	8425198	8521542	1.03	cps
Holmium	165-2	6665702	6479456	6459841	6535000	1.74	cps
Indium	115-1	7324742	7367364	7374772	7355626	0.37	cps
Indium	115-2	3110648	3007397	3050059	3056035	1.70	cps
Iron	56-2	62417184	60722397	61313309	61484297	1.40	cps
Iron	57-2	1543329	1516722	1480732	1513595	2.08	cps
Iron	54-2	3455846	3457626	3441439	3451637	0.26	cps
Krypton	83-1	547	577	540	554	3.52	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DLX5	Instrumnet Name :	P7
Client Sample ID :	60272DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:48:39	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3057	3054	3014	3041	0.79	cps
Lead	207-1	2457	2577	2674	2569	4.23	cps
Lead	208-1	11829	12182	11902	11971	1.56	cps
Lithium	6-1	475332	478748	468700	474260	1.08	cps
Magnesium	24-2	209790	208721	209588	209366	0.27	cps
Manganese	55-2	2384402	2378583	2412121	2391702	0.75	cps
Molybdenum	94-1	31113	32192	31263	31523	1.85	cps
Molybdenum	95-1	53417	53364	52929	53236	0.50	cps
Molybdenum	96-1	56576	56248	58139	56987	1.77	cps
Molybdenum	97-1	32937	33619	32723	33093	1.41	cps
Molybdenum	98-1	83021	85150	85097	84423	1.44	cps
Neodymium	150-1	53	47	67	56	18.33	cps
Neodymium	150-2	23	27	30	27	12.51	cps
Nickel	60-2	21449	21238	21175	21287	0.67	cps
Phosphorus	31-2	12659	12318	13182	12720	3.42	cps
Potassium	39-2	111461082	113597348	113380595	112813008	1.04	cps
Rhodium	103-1	7468450	7551596	7863686	7627911	2.73	cps
Rhodium	103-2	5153142	4844473	4967954	4988523	3.11	cps
Scandium	45-1	4749597	4676822	4995767	4807395	3.48	cps
Scandium	45-2	529253	533132	528907	530431	0.44	cps
Selenium	82-1	7841	9176	9735	8917	10.91	cps
Selenium	77-2	1270	1360	1267	1299	4.08	cps
Selenium	78-2	4968	4724	4681	4791	3.23	cps
Silicon	28-1	9943045	10322448	10573742	10279745	3.09	cps
Silver	107-1	457	393	450	433	8.03	cps
Silver	109-1	407	383	407	399	3.38	cps
Sodium	23-2	4255295	4172267	4229129	4218897	1.01	cps
Strontium	86-1	3557	3540	3377	3492	2.85	cps
Strontium	88-1	22551	23686	22888	23042	2.53	cps
Sulfur	34-1	575503	577369	597210	583361	2.06	cps
Terbium	159-1	8618512	8503840	9005543	8709298	3.02	cps
Terbium	159-2	6488017	6274072	6335153	6365747	1.73	cps
Thallium	203-1	1427	1407	1590	1475	6.82	cps
Thallium	205-1	3437	3651	3651	3579	3.44	cps
Tin	118-1	3000	3134	3074	3069	2.18	cps
Titanium	47-1	1310	1287	1353	1317	2.57	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DLX5	Instrumnet Name :	P7
Client Sample ID :	60272DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:48:39	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	830	620	730	727	14.46	cps
Vanadium	51-2	2377	2377	2504	2419	3.02	cps
Yttrium	89-1	13482064	13345045	13544305	13457138	0.76	cps
Yttrium	89-2	4270358	4161558	4026284	4152733	2.94	cps
Zinc	66-2	26530	25976	25455	25987	2.07	cps
Zirconium	90-1	2347	2400	2370	2372	1.13	cps
Zirconium	91-1	580	517	573	557	6.25	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2906-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3409DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:51:53	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	28795	28834	30527	29385	3.36	cps
Antimony	121-1	26642	26608	26114	26454	1.12	cps
Arsenic	75-2	837	957	793	862	9.81	cps
Barium	135-1	24338	24027	24174	24180	0.64	cps
Barium	137-1	40067	40461	39321	39950	1.45	cps
Beryllium	9-1	43	17	33	31	43.29	cps
Bismuth	209-1	4814939	4740994	4896772	4817569	1.62	cps
Bismuth	209-2	4148706	4188873	4118070	4151883	0.86	cps
Bromine	81-1	19573	21923	24464	21987	11.12	cps
Bromine	81-2	3470	3394	3450	3438	1.16	cps
Cadmium	108-1	80	23	47	50	56.96	cps
Cadmium	106-1	3000	2840	2864	2901	2.98	cps
Cadmium	111-1	2511	2362	2469	2447	3.14	cps
Calcium	43-1	205727	202523	203595	203948	0.80	cps
Calcium	44-1	3367531	3257333	3281944	3302269	1.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6401	6645	6245	6430	3.14	cps
Cobalt	59-2	3640	3867	3500	3669	5.04	cps
Copper	63-2	112429	111970	112040	112146	0.22	cps
Dysprosium	156-1	423	420	350	398	10.41	cps
Dysprosium	156-2	273	353	333	320	13.01	cps
Erbium	164-1	453	470	423	449	5.27	cps
Erbium	164-2	317	247	250	271	14.56	cps
Gadolinium	160-1	433	457	410	433	5.38	cps
Gadolinium	160-2	580	610	697	629	9.63	cps
Holmium	165-1	8315471	8544361	8224331	8361388	1.97	cps
Holmium	165-2	6127534	6237070	5900856	6088487	2.82	cps
Indium	115-1	7247695	7271242	7165163	7228033	0.77	cps
Indium	115-2	2962611	2928010	2893321	2927981	1.18	cps
Iron	56-2	4704992	4671442	4715711	4697382	0.49	cps
Iron	57-2	125194	125043	125197	125145	0.07	cps
Iron	54-2	271152	271602	271104	271286	0.10	cps
Krypton	83-1	520	507	530	519	2.26	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2906-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3409DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:51:53	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	177888	179849	176797	178178	0.87	cps
Lead	207-1	137077	135723	136852	136550	0.53	cps
Lead	208-1	646772	642248	640595	643205	0.50	cps
Lithium	6-1	460819	441124	460988	454310	2.51	cps
Magnesium	24-2	575956	578441	579228	577875	0.30	cps
Manganese	55-2	155722	155923	153597	155080	0.83	cps
Molybdenum	94-1	10224	10307	10441	10324	1.06	cps
Molybdenum	95-1	17180	17501	16506	17062	2.98	cps
Molybdenum	96-1	17728	17664	17644	17679	0.25	cps
Molybdenum	97-1	10230	10350	10284	10288	0.58	cps
Molybdenum	98-1	27132	27773	27322	27409	1.20	cps
Neodymium	150-1	643	490	550	561	13.77	cps
Neodymium	150-2	373	383	303	353	12.34	cps
Nickel	60-2	5131	5151	4888	5056	2.90	cps
Phosphorus	31-2	2500	2377	2410	2429	2.63	cps
Potassium	39-2	1839101	1872682	1853678	1855154	0.91	cps
Rhodium	103-1	7212521	7282666	7380936	7292041	1.16	cps
Rhodium	103-2	4614370	4783258	4739747	4712458	1.86	cps
Scandium	45-1	4795352	4719915	4777274	4764181	0.83	cps
Scandium	45-2	501820	505862	500646	502776	0.54	cps
Selenium	82-1	2330	2206	1908	2148	10.08	cps
Selenium	77-2	167	180	203	183	10.12	cps
Selenium	78-2	1317	1370	1167	1285	8.21	cps
Silicon	28-1	6370176	6105909	5893197	6123094	3.90	cps
Silver	107-1	627	537	657	607	10.29	cps
Silver	109-1	513	553	457	508	9.57	cps
Sodium	23-2	10641357	10481589	10548280	10557075	0.76	cps
Strontium	86-1	104596	104522	103519	104212	0.58	cps
Strontium	88-1	888884	880791	882568	884081	0.48	cps
Sulfur	34-1	317114	320254	317071	318146	0.57	cps
Terbium	159-1	8071387	8096868	8050169	8072808	0.29	cps
Terbium	159-2	6123687	6004190	6073852	6067243	0.99	cps
Thallium	203-1	680	790	567	679	16.45	cps
Thallium	205-1	1567	1533	1243	1448	12.28	cps
Tin	118-1	2534	2534	2424	2497	2.54	cps
Titanium	47-1	4834	4941	4708	4828	2.42	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2906-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3409DL	Dilution Factor :	5
Date & Time Acquired :	2025-08-21 14:51:53	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	650	557	547	584	9.75	cps
Vanadium	51-2	6105	5938	6322	6121	3.14	cps
Yttrium	89-1	13259688	12959014	13332770	13183824	1.50	cps
Yttrium	89-2	3899422	3918838	3919832	3912697	0.29	cps
Zinc	66-2	87650	87827	86872	87450	0.58	cps
Zirconium	90-1	1780	2127	1944	1950	8.90	cps
Zirconium	91-1	360	467	353	393	16.17	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	60295DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:06:18	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4304	4591	4231	4375	4.35	cps
Antimony	121-1	447	547	523	506	10.35	cps
Arsenic	75-2	1640	1640	1877	1719	7.95	cps
Barium	135-1	423	413	370	402	7.05	cps
Barium	137-1	753	657	683	698	7.15	cps
Beryllium	9-1	17	10	17	14	26.66	cps
Bismuth	209-1	4776458	5022019	4952132	4916870	2.57	cps
Bismuth	209-2	4297220	4401613	4390791	4363208	1.32	cps
Bromine	81-1	13256	14134	14037	13809	3.48	cps
Bromine	81-2	553	570	633	586	7.21	cps
Cadmium	108-1	23	17	10	17	39.99	cps
Cadmium	106-1	2950	2974	2924	2949	0.85	cps
Cadmium	111-1	2126	2120	2096	2114	0.74	cps
Calcium	43-1	23612	23482	23662	23585	0.39	cps
Calcium	44-1	431698	437269	444781	437916	1.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6602	6742	6438	6594	2.30	cps
Cobalt	59-2	1280	1133	1243	1219	6.26	cps
Copper	63-2	3674	3290	3697	3554	6.43	cps
Dysprosium	156-1	17	13	7	12	41.65	cps
Dysprosium	156-2	10	13	13	12	15.73	cps
Erbium	164-1	57	80	77	71	17.74	cps
Erbium	164-2	43	67	47	52	24.17	cps
Gadolinium	160-1	33	47	47	42	18.24	cps
Gadolinium	160-2	423	413	440	426	3.17	cps
Holmium	165-1	8339967	8373499	8489345	8400937	0.93	cps
Holmium	165-2	6644962	6551553	6540058	6578857	0.87	cps
Indium	115-1	7433375	7472320	7483650	7463115	0.35	cps
Indium	115-2	3113728	3101377	3085636	3100247	0.45	cps
Iron	56-2	179418957	179483644	182554711	180485771	0.99	cps
Iron	57-2	4467868	4452334	4422188	4447463	0.52	cps
Iron	54-2	10121224	9980534	10113998	10071919	0.79	cps
Krypton	83-1	547	530	507	528	3.81	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	60295DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:06:18	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1080	1283	1160	1175	8.72	cps
Lead	207-1	963	957	1167	1029	11.60	cps
Lead	208-1	4457	4674	4757	4629	3.35	cps
Lithium	6-1	452554	460573	468052	460393	1.68	cps
Magnesium	24-2	76305	75937	75675	75972	0.42	cps
Manganese	55-2	9798318	9670881	9890855	9786685	1.13	cps
Molybdenum	94-1	3507	3924	3500	3644	6.66	cps
Molybdenum	95-1	5921	5568	5695	5728	3.13	cps
Molybdenum	96-1	7302	7395	7292	7330	0.78	cps
Molybdenum	97-1	3184	3574	3414	3390	5.78	cps
Molybdenum	98-1	8753	8619	8836	8736	1.25	cps
Neodymium	150-1	17	23	13	18	28.64	cps
Neodymium	150-2	0	13	10	8	89.21	cps
Nickel	60-2	2900	2937	2984	2940	1.42	cps
Phosphorus	31-2	633	690	703	676	5.50	cps
Potassium	39-2	213972	214736	216693	215134	0.65	cps
Rhodium	103-1	7527770	7692746	7905549	7708688	2.46	cps
Rhodium	103-2	5113087	5041222	5007343	5053884	1.07	cps
Scandium	45-1	4721891	4874391	4859312	4818532	1.74	cps
Scandium	45-2	531473	526769	531480	529908	0.51	cps
Selenium	82-1	2030	2265	2358	2218	7.62	cps
Selenium	77-2	243	223	263	243	8.22	cps
Selenium	78-2	1483	1413	1447	1448	2.42	cps
Silicon	28-1	2638269	2748525	2786041	2724279	2.82	cps
Silver	107-1	147	220	157	174	22.80	cps
Silver	109-1	130	120	147	132	10.19	cps
Sodium	23-2	1071941	1114823	1092302	1093022	1.96	cps
Strontium	86-1	10204	9993	10014	10070	1.15	cps
Strontium	88-1	77574	79212	80318	79035	1.75	cps
Sulfur	34-1	201149	196884	197286	198440	1.19	cps
Terbium	159-1	8173196	8389169	8646489	8402951	2.82	cps
Terbium	159-2	6389137	6368632	6308302	6355357	0.66	cps
Thallium	203-1	310	273	327	303	8.99	cps
Thallium	205-1	693	700	587	660	9.64	cps
Tin	118-1	1507	1427	1350	1428	5.49	cps
Titanium	47-1	267	230	223	240	9.72	cps

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Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	60295DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:06:18	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	240	103	197	180	38.80	cps
Vanadium	51-2	197	197	167	187	9.28	cps
Yttrium	89-1	13268312	13515972	13305122	13363135	1.00	cps
Yttrium	89-2	4186989	4028518	4045358	4086955	2.13	cps
Zinc	66-2	7319	7379	7575	7424	1.81	cps
Zirconium	90-1	987	923	917	942	4.10	cps
Zirconium	91-1	220	173	223	206	13.60	cps

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LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	60272DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:09:31	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	59187	58093	58016	58432	1.12	cps
Antimony	121-1	3304	3384	3317	3335	1.29	cps
Arsenic	75-2	3787	3984	3877	3883	2.54	cps
Barium	135-1	273	277	270	273	1.22	cps
Barium	137-1	483	460	430	458	5.84	cps
Beryllium	9-1	3	10	7	7	50.03	cps
Bismuth	209-1	4996753	4953006	5108826	5019528	1.60	cps
Bismuth	209-2	4359823	4430209	4441426	4410486	1.00	cps
Bromine	81-1	13359	13626	13126	13371	1.87	cps
Bromine	81-2	527	473	537	512	6.65	cps
Cadmium	108-1	10	20	7	12	56.76	cps
Cadmium	106-1	3134	3180	3140	3151	0.80	cps
Cadmium	111-1	2257	2269	2237	2254	0.72	cps
Calcium	43-1	2290	2250	2124	2221	3.92	cps
Calcium	44-1	85929	89908	89928	88588	2.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10497	10080	10230	10269	2.06	cps
Cobalt	59-2	2177	2090	1957	2075	5.34	cps
Copper	63-2	10367	9817	10090	10091	2.73	cps
Dysprosium	156-1	3	20	17	13	66.16	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	83	107	60	83	28.00	cps
Erbium	164-2	47	60	53	53	12.50	cps
Gadolinium	160-1	37	53	47	46	18.41	cps
Gadolinium	160-2	353	370	433	386	10.95	cps
Holmium	165-1	8463114	8268271	8496150	8409178	1.46	cps
Holmium	165-2	6311816	6455494	6675157	6480823	2.82	cps
Indium	115-1	7480092	7316940	7500798	7432610	1.35	cps
Indium	115-2	3050232	3128592	3163666	3114163	1.86	cps
Iron	56-2	10460625	10710967	10691785	10621126	1.31	cps
Iron	57-2	269919	267564	272143	269875	0.85	cps
Iron	54-2	611755	602046	609205	607669	0.83	cps
Krypton	83-1	520	553	520	531	3.62	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	60272DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:09:31	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	867	980	877	908	6.91	cps
Lead	207-1	763	790	797	783	2.25	cps
Lead	208-1	3507	3707	3470	3561	3.58	cps
Lithium	6-1	468101	470057	479239	472465	1.26	cps
Magnesium	24-2	37870	36861	36754	37162	1.66	cps
Manganese	55-2	408033	406261	403785	406026	0.53	cps
Molybdenum	94-1	5524	5408	5895	5609	4.53	cps
Molybdenum	95-1	8833	9386	9486	9235	3.81	cps
Molybdenum	96-1	9597	10097	9977	9890	2.64	cps
Molybdenum	97-1	5875	5858	6311	6015	4.28	cps
Molybdenum	98-1	14834	15465	15118	15139	2.09	cps
Neodymium	150-1	13	17	17	16	12.40	cps
Neodymium	150-2	13	13	7	11	34.61	cps
Nickel	60-2	4321	4134	4311	4255	2.47	cps
Phosphorus	31-2	2494	2357	2437	2429	2.83	cps
Potassium	39-2	19381300	18986176	18879320	19082265	1.39	cps
Rhodium	103-1	7530261	7592353	7589160	7570591	0.46	cps
Rhodium	103-2	4900038	4985429	5128561	5004676	2.31	cps
Scandium	45-1	4798940	4791120	4759673	4783244	0.43	cps
Scandium	45-2	519822	527838	537289	528316	1.65	cps
Selenium	82-1	1931	2091	2142	2055	5.36	cps
Selenium	77-2	230	230	227	229	0.84	cps
Selenium	78-2	1367	1477	1383	1409	4.21	cps
Silicon	28-1	2650988	2761390	2813519	2741966	3.03	cps
Silver	107-1	163	163	150	159	4.85	cps
Silver	109-1	140	137	130	136	3.76	cps
Sodium	23-2	741120	732676	733152	735649	0.64	cps
Strontium	86-1	1243	1343	1347	1311	4.48	cps
Strontium	88-1	4167	4161	4434	4254	3.67	cps
Sulfur	34-1	264994	266850	268919	266921	0.74	cps
Terbium	159-1	8414330	8477402	8558951	8483561	0.85	cps
Terbium	159-2	6248723	6412139	6454875	6371912	1.71	cps
Thallium	203-1	293	297	280	290	3.04	cps
Thallium	205-1	837	790	733	787	6.58	cps
Tin	118-1	1367	1250	1263	1293	4.94	cps
Titanium	47-1	280	223	343	282	21.27	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	Q2890-03DL2X25	Instrumnet Name :	P7
Client Sample ID :	60272DL2	Dilution Factor :	25
Date & Time Acquired :	2025-08-21 15:09:31	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	213	157	180	183	15.54	cps
Vanadium	51-2	480	407	420	436	8.97	cps
Yttrium	89-1	12813388	12906603	13229936	12983309	1.68	cps
Yttrium	89-2	3998620	4086651	4170981	4085417	2.11	cps
Zinc	66-2	7515	7228	7512	7419	2.22	cps
Zirconium	90-1	883	917	937	912	2.95	cps
Zirconium	91-1	213	170	210	198	12.19	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:12:45	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8468789	8634928	8398738	8500818	1.43	cps
Antimony	121-1	2798961	2821385	2769123	2796490	0.94	cps
Arsenic	75-2	210238	209299	208384	209307	0.44	cps
Barium	135-1	3261096	3345612	3335478	3314062	1.39	cps
Barium	137-1	5773750	5823221	5743330	5780101	0.70	cps
Beryllium	9-1	354526	358279	355721	356175	0.54	cps
Bismuth	209-1	4869758	4790714	4865117	4841863	0.92	cps
Bismuth	209-2	4151078	4075010	4035530	4087206	1.44	cps
Bromine	81-1	10754	11268	11341	11121	2.88	cps
Bromine	81-2	233	200	220	218	7.71	cps
Cadmium	108-1	54439	55155	55894	55163	1.32	cps
Cadmium	106-1	79259	81236	79993	80163	1.25	cps
Cadmium	111-1	766120	775058	754948	765375	1.32	cps
Calcium	43-1	4140823	4258465	4126964	4175417	1.73	cps
Calcium	44-1	66832112	67702139	66398476	66977576	0.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1665695	1644403	1626776	1645625	1.18	cps
Cobalt	59-2	2502414	2492097	2479458	2491323	0.46	cps
Copper	63-2	19277844	19137598	18954855	19123432	0.85	cps
Dysprosium	156-1	167	137	170	158	11.63	cps
Dysprosium	156-2	250	220	307	259	17.00	cps
Erbium	164-1	343	327	303	324	6.19	cps
Erbium	164-2	250	277	253	260	5.59	cps
Gadolinium	160-1	197	217	230	214	7.82	cps
Gadolinium	160-2	537	487	460	494	7.87	cps
Holmium	165-1	8642592	8464277	8434424	8513764	1.32	cps
Holmium	165-2	6257773	6259374	6414280	6310476	1.42	cps
Indium	115-1	7387656	7172429	7135590	7231892	1.88	cps
Indium	115-2	2888190	2897526	2781292	2855669	2.26	cps
Iron	56-2	361515448	349380595	353215075	354703706	1.75	cps
Iron	57-2	8680945	8759440	8486035	8642140	1.63	cps
Iron	54-2	19616129	19629714	19506169	19584004	0.35	cps
Krypton	83-1	473	547	463	494	9.20	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:12:45	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9801349	9848265	10007920	9885845	1.10	cps
Lead	207-1	8447775	8396165	8497810	8447250	0.60	cps
Lead	208-1	38461716	38739233	38866092	38689014	0.53	cps
Lithium	6-1	494864	488499	490082	491148	0.67	cps
Magnesium	24-2	80138284	78555526	76653807	78449206	2.22	cps
Manganese	55-2	13898841	13622406	13522704	13681317	1.42	cps
Molybdenum	94-1	11185564	11351269	11156605	11231146	0.94	cps
Molybdenum	95-1	15743988	15797501	16068215	15869901	1.10	cps
Molybdenum	96-1	17064344	16999336	17488413	17184031	1.55	cps
Molybdenum	97-1	9742081	9953862	10014766	9903570	1.45	cps
Molybdenum	98-1	25672455	25916846	25618764	25736022	0.62	cps
Neodymium	150-1	187	163	157	169	9.33	cps
Neodymium	150-2	80	60	77	72	14.84	cps
Nickel	60-2	641341	637712	631825	636959	0.75	cps
Phosphorus	31-2	107667	106226	103888	105927	1.80	cps
Potassium	39-2	44417644	45389088	44584154	44796962	1.16	cps
Rhodium	103-1	7421061	7245927	7342267	7336418	1.20	cps
Rhodium	103-2	4708762	4589965	4502100	4600276	2.25	cps
Scandium	45-1	4875344	4935717	4893100	4901387	0.63	cps
Scandium	45-2	518263	515539	507405	513735	1.10	cps
Selenium	82-1	60830	61732	61529	61364	0.77	cps
Selenium	77-2	7675	7419	7559	7551	1.70	cps
Selenium	78-2	25836	25098	25462	25465	1.45	cps
Silicon	28-1	11464240	11435377	11561936	11487184	0.58	cps
Silver	107-1	3867426	3860682	3904902	3877670	0.61	cps
Silver	109-1	3663309	3730022	3595099	3662810	1.84	cps
Sodium	23-2	121490222	119343775	120688862	120507619	0.90	cps
Strontium	86-1	1005208	1016385	1014101	1011898	0.58	cps
Strontium	88-1	8865822	9038286	8950939	8951682	0.96	cps
Sulfur	34-1	458141	459400	452155	456565	0.85	cps
Terbium	159-1	8680738	8505418	8737764	8641307	1.40	cps
Terbium	159-2	6227805	6146669	6120194	6164890	0.91	cps
Thallium	203-1	2388841	2462757	2497032	2449543	2.26	cps
Thallium	205-1	5824065	5901620	5932989	5886225	0.95	cps
Tin	118-1	2350993	2430823	2377009	2386275	1.71	cps
Titanium	47-1	4280649	4345127	4310387	4312054	0.75	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:12:45	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7241764	7432716	7227578	7300686	1.57	cps
Vanadium	51-2	1423783	1413197	1425971	1420984	0.48	cps
Yttrium	89-1	13614729	13049897	13564160	13409596	2.33	cps
Yttrium	89-2	3933721	3937259	3884440	3918474	0.75	cps
Zinc	66-2	3274437	3271719	3276450	3274202	0.07	cps
Zirconium	90-1	5420780	5397124	5568811	5462238	1.70	cps
Zirconium	91-1	1190498	1205157	1206776	1200811	0.75	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:18:47	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1647	1737	1787	1723	4.12	cps
Antimony	121-1	163	223	217	201	16.35	cps
Arsenic	75-2	20	13	20	18	21.66	cps
Barium	135-1	80	73	57	70	17.17	cps
Barium	137-1	87	87	73	82	9.37	cps
Beryllium	9-1	17	7	13	12	41.65	cps
Bismuth	209-1	4719641	4625217	4748466	4697775	1.37	cps
Bismuth	209-2	4055052	3936840	4065062	4018984	1.77	cps
Bromine	81-1	10370	10190	11068	10543	4.40	cps
Bromine	81-2	263	230	247	247	6.76	cps
Cadmium	108-1	7	7	17	10	57.72	cps
Cadmium	106-1	2694	2764	2690	2716	1.52	cps
Cadmium	111-1	1928	1953	1905	1929	1.25	cps
Calcium	43-1	337	340	310	329	5.00	cps
Calcium	44-1	28898	28294	28100	28430	1.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2584	2634	2594	2604	1.02	cps
Cobalt	59-2	90	103	103	99	7.78	cps
Copper	63-2	1377	1280	1237	1298	5.52	cps
Dysprosium	156-1	13	10	7	10	33.30	cps
Dysprosium	156-2	13	20	0	11	91.66	cps
Erbium	164-1	67	37	60	54	28.93	cps
Erbium	164-2	60	40	17	39	55.76	cps
Gadolinium	160-1	33	57	63	51	30.82	cps
Gadolinium	160-2	340	323	297	320	6.83	cps
Holmium	165-1	7682808	7704616	7921058	7769494	1.70	cps
Holmium	165-2	5841723	5790043	5921921	5851229	1.14	cps
Indium	115-1	6797262	6850736	6620625	6756208	1.78	cps
Indium	115-2	2718330	2770897	2696971	2728733	1.39	cps
Iron	56-2	26016	25762	25909	25896	0.49	cps
Iron	57-2	1880	1793	1820	1831	2.42	cps
Iron	54-2	3000	2874	3040	2971	2.93	cps
Krypton	83-1	490	503	460	484	4.58	cps

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:18:47	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	510	483	497	497	2.68	cps
Lead	207-1	383	323	437	381	14.88	cps
Lead	208-1	1923	1770	1820	1838	4.26	cps
Lithium	6-1	450569	445300	446863	447578	0.60	cps
Magnesium	24-2	717	670	760	716	6.29	cps
Manganese	55-2	727	807	790	774	5.45	cps
Molybdenum	94-1	483	450	483	472	4.08	cps
Molybdenum	95-1	420	377	483	427	12.57	cps
Molybdenum	96-1	490	480	567	512	9.26	cps
Molybdenum	97-1	267	287	300	284	5.90	cps
Molybdenum	98-1	663	633	603	633	4.74	cps
Neodymium	150-1	7	3	7	6	34.70	cps
Neodymium	150-2	0	0	13	4	173.21	cps
Nickel	60-2	713	590	743	682	11.91	cps
Phosphorus	31-2	543	563	543	550	2.10	cps
Potassium	39-2	82737	82871	83541	83049	0.52	cps
Rhodium	103-1	7019333	6802319	6985243	6935632	1.68	cps
Rhodium	103-2	4434727	4405988	4248943	4363219	2.29	cps
Scandium	45-1	4345629	4397159	4343976	4362254	0.69	cps
Scandium	45-2	465858	461493	461327	462893	0.56	cps
Selenium	82-1	354	446	446	416	12.74	cps
Selenium	77-2	20	20	20	20	0.00	cps
Selenium	78-2	643	673	567	628	8.76	cps
Silicon	28-1	787738	784164	797224	789709	0.85	cps
Silver	107-1	177	140	117	144	20.94	cps
Silver	109-1	187	157	183	176	9.37	cps
Sodium	23-2	48630	47837	47249	47905	1.45	cps
Strontium	86-1	800	773	860	811	5.47	cps
Strontium	88-1	357	323	273	318	13.20	cps
Sulfur	34-1	179554	178509	181265	179776	0.77	cps
Terbium	159-1	7805073	7738264	7734697	7759345	0.51	cps
Terbium	159-2	5739660	5509585	5691515	5646920	2.15	cps
Thallium	203-1	233	257	220	237	7.84	cps
Thallium	205-1	563	623	590	592	5.08	cps
Tin	118-1	890	1050	940	960	8.53	cps
Titanium	47-1	127	110	87	108	18.64	cps

Reviewed By:jaswal
On:8/25/2025 3:50:25 PM
Inst Id :P7
LB :LB136916

LB Number :	LB136916	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-08-21 15:18:47	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	140	20	37	66	99.16	cps
Vanadium	51-2	23	43	13	27	57.29	cps
Yttrium	89-1	12132111	12386569	12191043	12236574	1.09	cps
Yttrium	89-2	3625451	3518689	3544153	3562764	1.57	cps
Zinc	66-2	3277	3157	3027	3154	3.97	cps
Zirconium	90-1	627	630	613	623	1.42	cps
Zirconium	91-1	110	127	133	123	9.75	cps

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169249

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: 08/14/2025 **Time :** 10:30 **Temp :** 95 °C

End Digest Date: 08/14/2025 **Time :** 10:40 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: [signature]

Supervisor Signature: [signature]

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86777
CCV	30mL	MP86779
CRA	30mL	MP86782
Blank Spike	0.48mL	MP86770
Matrix Spike	0.48mL	MP86770

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	MP86771
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86772
2.5 ppb	S2.5	30mL	MP86773
5.0 ppb	S5.0	30mL	MP86774
7.5 ppb	S7.5	30mL	MP86775
10.0 ppb	S10.0	30mL	MP86776
ICV	ICV	30mL	MP86777
ICB	ICB	30mL	MP86778
CCV	CCV	30mL	MP86779
CCB	CCB	30mL	MP86781
CRI	CRI	30mL	MP86782
CHK STD	CHK STD	30mL	MP86783

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/14/25 11:40	[signature]	[signature]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169249

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169249BL	PBW249	30	30	<2	N/A	1-1
PB169249BS	LCS249	30	30	<2	MP86770	2
Q2814-22	TW-84SB-E	30	30	<2	N/A	3
Q2814-23	TW-17M-W	30	30	<2	N/A	4
Q2815-25	TW-11M-W	30	30	<2	N/A	5
Q2837-01	TW-WTS-13	30	30	<2	N/A	6
Q2840-03	0804-E	30	30	<2	N/A	7
Q2842-03	MW-17B-55.5-081225	30	30	<2	N/A	8
Q2842-03DUP	MW-17B-55.5-081225DUP	30	30	<2	N/A	9
Q2842-04	Q2842-03MS	30	30	<2	MP86770	10
Q2842-05	Q2842-03MSD	30	30	<2	MP86770	11
Q2849-01	BUR-25-0071	30	30	<2	N/A	12
Q2856-01	#452	30	30	<2	N/A	13
Q2856-03	#456	30	30	<2	N/A	14
Q2857-01	4023	30	30	<2	N/A	15
Q2857-02	3919	30	30	<2	N/A	16

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB169249 **WorkList ID :** 191275 **Department :** Digestion **Date :** 08-14-2025 12:09:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2814-22	TW-84SB-E	Water	Dissolved Mercury	1:1 HNO3 to pH < 2	FIRS02	D41	08/05/2025	7470A
Q2814-23	TW-17M-W	Water	Dissolved Mercury	1:1 HNO3 to pH < 2	FIRS02	D41	08/05/2025	7470A
Q2815-25	TW-11M-W	Water	Dissolved Mercury	1:1 HNO3 to pH < 2	FIRS02	D41	08/08/2025	7470A
Q2837-01	TW-WTS-13	Water	Mercury	1:1 HNO3 to pH < 2	ENTA05	J23	08/12/2025	7470A
Q2840-03	0804-E	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D31	08/12/2025	7470A
Q2842-03	MW-17B-55.5-081225	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J23	08/12/2025	7470A
Q2842-04	Q2842-03MS	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J23	08/12/2025	7470A
Q2842-05	Q2842-03MSD	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J23	08/12/2025	7470A
Q2849-01	BUR-25-0071	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	J22	08/13/2025	7470A
Q2856-01	#452	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	J42	08/13/2025	7470A
Q2856-03	#456	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	J42	08/13/2025	7470A
Q2857-01	4023	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	J12	08/13/2025	7470A
Q2857-02	3919	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	J12	08/13/2025	7470A

08/14/2025 09 : 45

Date/Time ~~08/14/2025~~ ~~10:40~~

Raw Sample Received by: SBsmoth

Raw Sample Relinquished by: CP Carey

Date/Time 08/14/25 13:40

Raw Sample Received by: CP Carey

Raw Sample Relinquished by: SBsmoth

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169250

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: 08/14/2025 **Time :** 14:10 **Temp :** 96 °C

End Digest Date: 08/14/2025 **Time :** 16:15 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SH

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP86790
Spike Sol 2	1.00	MP86791
Spike Sol 3	1.00	MP86792
Spike Sol 4	1.00	MP86793
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
MP86792,MP86793,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/14/25 17:15	CSE SHmet dig	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169250

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169250BL	PBW250	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169250BS	LCS250	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	2
Q2840-03	0804-E	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2842-03DUP	MW-17B-55.5-081225DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5
Q2842-03	MW-17B-55.5-081225	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2842-04	Q2842-03MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	6
Q2842-05	Q2842-03MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	7
Q2842-09	MW-17B-55.5-081225	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
Q2842-10	Q2842-09MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	9
Q2842-11	Q2842-09MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	10
Q2849-01	BUR-25-0071	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	11
Q2856-01	#452	<2	50	50	Pink	Light pink	Clear	Clear	N/A	12
Q2856-03	#456	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	13
Q2865-03	LAW-25-0109	<2	50	50	Pink	Light pink	Clear	Clear	N/A	14
Q2867-01	TRE-2005	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	15
Q2867-02	TRE-2006	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	16
Q2869-01	MW-19B-71.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	17
Q2869-02	MW-19B-71.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	18
Q2869-05	MW-19B-71.5-081325-FD	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	19
Q2869-06	MW-19B-71.5-081325-FD	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	20
Q2869-07	EB01-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	21
Q2869-08	EB01-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	22

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB169250 **WorkList ID :** 191276 **Department :** Digestion **Date :** 08-14-2025 13:19:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2840-03	0804-E	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	D31	08/12/2025	6020B
Q2842-03	MW-17B-55.5-081225	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	JACO05	J23	08/12/2025	6020B
Q2842-04	Q2842-03MS	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	JACO05	J23	08/12/2025	6020B
Q2842-05	Q2842-03MSD	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	JACO05	J23	08/12/2025	6020B
Q2842-09	MW-17B-55.5-081225	Water	Dissolved ICP-Group2	Cool 4 deg C	JACO05	J32	08/12/2025	6020B
Q2842-10	Q2842-09MS	Water	Dissolved ICP-Group2	Cool 4 deg C	JACO05	J32	08/12/2025	6020B
Q2842-11	Q2842-09MSD	Water	Dissolved ICP-Group2	Cool 4 deg C	JACO05	J32	08/12/2025	6020B
Q2849-01	BUR-25-0071	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	J22	08/13/2025	6020B
Q2856-01	#452	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	J42	08/13/2025	6020B
Q2856-03	#456	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	J42	08/13/2025	6020B
Q2865-03	LAW-25-0109	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	J41	08/13/2025	6020B
Q2867-01	Tre-2005	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG05	J31	08/13/2025	6020B
Q2867-02	Tre-2006	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG05	J31	08/13/2025	6020B
Q2869-01	MW-19B-71.5-081325	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	JACO05	J31	08/13/2025	6020B
Q2869-02	MW-19B-71.5-081325	Water	Dissolved ICP-Group2	Cool 4 deg C	JACO05	J31	08/13/2025	6020B
Q2869-05	MW-19B-71.5-081325-FD	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	JACO05	J31	08/13/2025	6020B
Q2869-06	MW-19B-71.5-081325-FD	Water	Dissolved ICP-Group2	Cool 4 deg C	JACO05	J31	08/13/2025	6020B
Q2869-07	EB01-081325	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	JACO05	J31	08/13/2025	6020B
Q2869-08	EB01-081325	Water	Dissolved ICP-Group2	Cool 4 deg C	JACO05	J31	08/13/2025	6020B

Date/Time 08/14/25 13:45
Raw Sample Received by: SIZEMETRIC
Raw Sample Relinquished by: CPCSM

Date/Time 08/14/25 14:45
Raw Sample Received by: CPCSM
Raw Sample Relinquished by: SIZEMETRIC

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818 of 998
Q2842-METALS

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

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136836

Review By	sagar	Review On	8/15/2025 2:04:25 PM
Supervise By	jaswal	Supervise On	8/17/2025 11:19:34 PM

STD. NAME	STD REF.#
ICAL Standard	MP86771,MP86772,MP86773,MP86774,MP86775,MP86776
ICV Standard	MP86777
CCV Standard	MP86779
ICSA Standard	
CRI Standard	MP86782
LCS Standard	
Chk Standard	MP86778,MP86781,MP86783,MP86786

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/15/25 11:25		sagar	OK
2	S0.2	S0.2	CAL2	08/15/25 11:28		sagar	OK
3	S2.5	S2.5	CAL3	08/15/25 11:30		sagar	OK
4	S5	S5	CAL4	08/15/25 11:32		sagar	OK
5	S7.5	S7.5	CAL5	08/15/25 11:35		sagar	OK
6	S10	S10	CAL6	08/15/25 11:37		sagar	OK
7	ICV18	ICV18	ICV	08/15/25 11:40		sagar	OK
8	ICB18	ICB18	ICB	08/15/25 11:45		sagar	OK
9	CCV54	CCV54	CCV	08/15/25 12:11		sagar	OK
10	CCB54	CCB54	CCB	08/15/25 12:13		sagar	OK
11	CRA	CRA	CRDL	08/15/25 12:16		sagar	OK
12	HighStd	HighStd	HIGH STD	08/15/25 12:18		sagar	OK
13	ChkStd	ChkStd	SAM	08/15/25 12:20		sagar	OK
14	PB169249BL	PB169249BL	MB	08/15/25 12:22		sagar	OK
15	PB169249BS	PB169249BS	LCS	08/15/25 12:25		sagar	OK
16	Q2814-22	TW-84SB-E	SAM	08/15/25 12:27		sagar	OK
17	Q2814-23	TW-17M-W	SAM	08/15/25 12:29		sagar	OK
18	Q2815-25	TW-11M-W	SAM	08/15/25 12:32		sagar	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136836

Review By	sagar	Review On	8/15/2025 2:04:25 PM
Supervise By	jaswal	Supervise On	8/17/2025 11:19:34 PM

STD. NAME	STD REF.#
ICAL Standard	MP86771,MP86772,MP86773,MP86774,MP86775,MP86776
ICV Standard	MP86777
CCV Standard	MP86779
ICSA Standard	
CRI Standard	MP86782
LCS Standard	
Chk Standard	MP86778,MP86781,MP86783,MP86786

19	Q2837-01	TW-WTS-13	SAM	08/15/25 12:34		sagar	OK
20	Q2840-03	0804-E	SAM	08/15/25 12:36		sagar	OK
21	CCV55	CCV55	CCV	08/15/25 12:38		sagar	OK
22	CCB55	CCB55	CCB	08/15/25 12:41		sagar	OK
23	Q2842-03	MW-17B-55.5-081225	SAM	08/15/25 12:43		sagar	OK
24	Q2842-03DUP	MW-17B-55.5-081225	DUP	08/15/25 12:45		sagar	OK
25	Q2842-04	MW-17B-55.5-081225	MS	08/15/25 12:48		sagar	OK
26	Q2842-05	MW-17B-55.5-081225	MSD	08/15/25 12:50		sagar	OK
27	Q2849-01	BUR-25-0071	SAM	08/15/25 12:52		sagar	OK
28	Q2856-01	#452	SAM	08/15/25 12:54		sagar	OK
29	Q2856-03	#456	SAM	08/15/25 12:57		sagar	OK
30	Q2857-01	4023	SAM	08/15/25 12:59		sagar	OK
31	Q2857-02	3919	SAM	08/15/25 13:01		sagar	OK
32	Q2842-03L	MW-17B-55.5-081225	SD	08/15/25 13:04		sagar	OK
33	CCV56	CCV56	CCV	08/15/25 13:09		sagar	OK
34	CCB56	CCB56	CCB	08/15/25 13:11		sagar	OK
35	Q2842-03A	MW-17B-55.5-081225	PS	08/15/25 13:13		sagar	OK
36	CCV57	CCV57	CCV	08/15/25 13:15		sagar	OK
37	CCB57	CCB57	CCB	08/15/25 13:18		sagar	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/15/25 11:48		Jaswal	OK
2	S0	S0	CAL1	08/15/25 12:34		Jaswal	OK
3	S2	S2	CAL3	08/15/25 12:48		Jaswal	OK
4	S3	S3	CAL4	08/15/25 12:51		Jaswal	OK
5	S4	S4	CAL5	08/15/25 12:54		Jaswal	OK
6	S5	S5	CAL6	08/15/25 12:57		Jaswal	OK
7	S6	S6	CAL7	08/15/25 13:00		Jaswal	OK
8	S7	S7	CAL8	08/15/25 13:03		Jaswal	OK
9	S8	S8	CAL9	08/15/25 13:06		Jaswal	OK
10	ICV01	ICV01	ICV	08/15/25 13:22		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/15/25 13:40		Jaswal	OK
12	ICB01	ICB01	ICB	08/15/25 13:43		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/15/25 13:46		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/15/25 13:50		Jaswal	OK
15	CCV01	CCV01	CCV	08/15/25 13:53		Jaswal	OK
16	CCB01	CCB01	CCB	08/15/25 13:56		Jaswal	OK
17	CRI	CRI	CRDL	08/15/25 14:03		Jaswal	OK
18	PB169251BL	PB169251BL	MB	08/15/25 14:10		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

19	PB169251BS	PB169251BS	LCS	08/15/25 14:13		Jaswal	OK
20	PB169194BL	PB169194BL	MB	08/15/25 14:19		Jaswal	OK
21	PB169194BS	PB169194BS	LCS	08/15/25 14:23		Jaswal	OK
22	Q2840-01	0804-SOIL	SAM	08/15/25 14:26		Jaswal	OK
23	Q2840-01DUP	0804-SOILDUP	DUP	08/15/25 14:29		Jaswal	OK
24	Q2840-01L	0804-SOILL	SD	08/15/25 14:32		Jaswal	OK
25	Q2840-01MS	0804-SOILMS	MS	08/15/25 14:35		Jaswal	OK
26	Q2840-01MSD	0804-SOILMSD	MSD	08/15/25 14:38		Jaswal	OK
27	CCV02	CCV02	CCV	08/15/25 14:41		Jaswal	OK
28	CCB02	CCB02	CCB	08/15/25 14:44		Jaswal	OK
29	Q2840-01A	0804-SOILA	PS	08/15/25 14:50	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792,MP86 793 IN 10ML OF SAMPLE.	Jaswal	OK
30	Q2840-02	0804-D	SAM	08/15/25 14:53		Jaswal	OK
31	Q2840-03	0804-E	SAM	08/15/25 14:56		Jaswal	OK
32	Q2842-03	MW-17B-55.5-081225	SAM	08/15/25 15:00		Jaswal	OK
33	Q2842-03DUP	MW-17B-55.5-081225	DUP	08/15/25 15:03		Jaswal	OK
34	Q2842-03L	MW-17B-55.5-081225	SD	08/15/25 15:06		Jaswal	OK
35	Q2842-04	MW-17B-55.5-081220	MS	08/15/25 15:09		Jaswal	OK
36	Q2842-05	MW-17B-55.5-081220	MSD	08/15/25 15:12		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

37	Q2842-03A	MW-17B-55.5-081225	PS	08/15/25 15:15	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792,MP86793 IN 10ML OF SAMPLE.	Jaswal	OK
38	Q2842-09	MW-17B-55.5-081225	SAM	08/15/25 15:18		Jaswal	OK
39	CCV03	CCV03	CCV	08/15/25 15:21		Jaswal	OK
40	CCB03	CCB03	CCB	08/15/25 15:24		Jaswal	OK
41	Q2842-10	MW-17B-55.5-081220	MS	08/15/25 15:27		Jaswal	OK
42	Q2842-11	MW-17B-55.5-081220	MSD	08/15/25 15:30		Jaswal	OK
43	Q2849-01DL	BUR-25-0071DL	SAM	08/15/25 15:32	5X Report Straight Dilution	Jaswal	OK
44	Q2856-01	#452	SAM	08/15/25 15:36	Fe is High	Jaswal	Dilution
45	Q2856-03DL	#456DL	SAM	08/15/25 15:39	K is high ,5XReport Straight Dilution	Jaswal	Dilution
46	Q2865-03DL	LAW-25-0109DL	SAM	08/15/25 15:42	K is high , 5XReport Straight Dilution	Jaswal	Dilution
47	Q2867-01DL	Tre-2005DL	SAM	08/15/25 15:45	5XReport Straight Dilution	Jaswal	OK
48	Q2867-02DL	Tre-2006DL	SAM	08/15/25 15:49	5XReport Straight Dilution	Jaswal	OK
49	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 15:52		Jaswal	OK
50	Q2869-02	MW-19B-71.5-081325	SAM	08/15/25 15:55		Jaswal	OK
51	CCV04	CCV04	CCV	08/15/25 15:58		Jaswal	OK
52	CCB04	CCB04	CCB	08/15/25 16:10		Jaswal	OK
53	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 16:13		Jaswal	OK
54	Q2869-06	MW-19B-71.5-081325	SAM	08/15/25 16:16		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

55	Q2869-07	EB01-081325	SAM	08/15/25 16:19		Jaswal	OK
56	Q2869-08	EB01-081325	SAM	08/15/25 16:23		Jaswal	OK
57	Q2840-03DL	0804-EDL	SAM	08/15/25 16:26	Not use	Jaswal	Not Ok
58	Q2856-01DL	#452DL	SAM	08/15/25 16:29	2X for Fe	Jaswal	Confirms
59	Q2856-03DL2	#456DL2	SAM	08/15/25 16:32	25X for K , Report Straight Dilution	Jaswal	Confirms
60	Q2865-03DL2	LAW-25-0109DL2	SAM	08/15/25 16:36	25X for K , Report Straight Dilution	Jaswal	Confirms
61	CCV05	CCV05	CCV	08/15/25 16:39		Jaswal	OK
62	CCB05	CCB05	CCB	08/15/25 16:50		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/21/25 10:59		Jaswal	OK
2	S0	S0	CAL1	08/21/25 11:33		Jaswal	OK
3	S2	S2	CAL3	08/21/25 11:39		Jaswal	OK
4	S3	S3	CAL4	08/21/25 11:43		Jaswal	OK
5	S4	S4	CAL5	08/21/25 11:46		Jaswal	OK
6	S5	S5	CAL6	08/21/25 11:49		Jaswal	OK
7	S6	S6	CAL7	08/21/25 11:52		Jaswal	OK
8	S7	S7	CAL8	08/21/25 11:54		Jaswal	OK
9	S8	S8	CAL9	08/21/25 11:57		Jaswal	OK
10	ICV01	ICV01	ICV	08/21/25 12:15		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/21/25 12:26		Jaswal	OK
12	ICB01	ICB01	ICB	08/21/25 12:29		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/21/25 12:33		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/21/25 12:36		Jaswal	OK
15	CCV01	CCV01	CCV	08/21/25 12:39		Jaswal	OK
16	CCB01	CCB01	CCB	08/21/25 12:44		Jaswal	OK
17	CRI	CRI	CRDL	08/21/25 12:48		Jaswal	OK
18	Q2126-01	LOD-MDL-SOIL-03-Q	SAM	08/21/25 12:58		Jaswal	Not Ok

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

19	Q2126-16	LLOQ-SOIL-QT2-202	SAM	08/21/25 13:14		Jaswal	Not Ok
20	Q2126-02	LOQ-SOIL-02-QT2-20	LOQ	08/21/25 13:20		Jaswal	Not Ok
21	Q2126-01RE	LOD-MDL-SOIL-03-Q	SAM	08/21/25 13:27		Jaswal	Not Ok
22	Q2126-07	LOD-MDL-WATER-01	SAM	08/21/25 13:30		Jaswal	Not Ok
23	Q2126-08	LOQ-WATER-02-QT2	LOQ	08/21/25 13:34		Jaswal	Not Ok
24	Q2126-08RE	LOQ-WATER-02-QT2	SAM	08/21/25 13:37		Jaswal	Not Ok
25	CCV02	CCV02	CCV	08/21/25 13:40		Jaswal	OK
26	CCB02	CCB02	CCB	08/21/25 13:43		Jaswal	OK
27	PB169250BL	PB169250BL	MB	08/21/25 13:46		Jaswal	OK
28	PB169250BS	PB169250BS	LCS	08/21/25 13:50		Jaswal	OK
29	PB169323BL	PB169323BL	MB	08/21/25 13:52		Jaswal	OK
30	PB169323BS	PB169323BS	LCS	08/21/25 13:56		Jaswal	OK
31	Q2878-01	MW-18B-57.5-081325	SAM	08/21/25 13:58		Jaswal	OK
32	Q2878-01DUP	MW-18B-57.5-081325	DUP	08/21/25 14:02		Jaswal	OK
33	Q2878-01L	MW-18B-57.5-081325	SD	08/21/25 14:05		Jaswal	OK
34	Q2878-01MS	MW-18B-57.5-081325	MS	08/21/25 14:08		Jaswal	OK
35	Q2878-01MSD	MW-18B-57.5-081325	MSD	08/21/25 14:11		Jaswal	OK
36	Q2878-01A	MW-18B-57.5-081325	PS	08/21/25 14:14	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792 AND MP86793 IN 10ML SAMPLE.	Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

37	CCV03	CCV03	CCV	08/21/25 14:32		Jaswal	OK
38	CCB03	CCB03	CCB	08/21/25 14:34		Jaswal	OK
39	Q2878-02	MW-18B-57.5-081325	SAM	08/21/25 14:39		Jaswal	OK
40	Q2890-01DL	60296DL	SAM	08/21/25 14:42		Jaswal	OK
41	Q2890-02DL	60295DL	SAM	08/21/25 14:45	Fe,Mn high	Jaswal	Dilution
42	Q2890-03DL	60272DL	SAM	08/21/25 14:48	K high	Jaswal	Dilution
43	Q2906-01DL	3409DL	SAM	08/21/25 14:51		Jaswal	OK
44	Q2890-02DL2	60295DL2	SAM	08/21/25 15:06	25X for Fe, Mn	Jaswal	Confirms
45	Q2890-03DL2	60272DL2	SAM	08/21/25 15:09	25X for K	Jaswal	Confirms
46	CCV04	CCV04	CCV	08/21/25 15:12		Jaswal	OK
47	CCB04	CCB04	CCB	08/21/25 15:18		Jaswal	OK

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Prep Standard - Chemical Standard Summary

Order ID : Q2842

Test : Dissolved ICP-Group2,Mercury,Metals ICP-TAL

Prepbatch ID : PB169249,PB169250,

Sequence ID/Qc Batch ID: LB136836,LB136836,LB136861,LB136861,LB136916,

Standard ID :
MP85156,MP85892,MP85893,MP85894,MP85895,MP86739,MP86740,MP86741,MP86742,MP86743,MP86744,MP867
45,MP86746,MP86747,MP86748,MP86750,MP86751,MP86770,MP86771,MP86772,MP86773,MP86774,MP86775,MP
86776,MP86777,MP86778,MP86779,MP86781,MP86782,MP86783,MP86786,MP86787,MP86788,MP86789,MP86790,
MP86791,MP86792,MP86793,MP86794,MP86863,

Chemical ID :
M4371,M4465,M4916,M5062,M5245,M5305,M5658,M5697,M5798,M5799,M5800,M5801,M5815,M5817,M5884,M5962
,M5979,M5981,M6021,M6023,M6025,M6026,M6027,M6028,M6030,M6032,M6041,M6055,M6058,M6079,M6086,M612
8,M6137,M6140,M6142,M6144,M6145,M6146,M6151,M6153,M6156,M6158,M6159,M6160,M6162,M6163,M6164,M61
65,M6171,M6172,M6175,M6176,M6178,M6185,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	08/31/2025	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)	MP86739	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

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
2902	S8 ICPMS	MP86740	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

FROM 1.00000ml of M6159 + 2.50000ml of M6140 + 2.50000ml of M6142 + 5.00000ml of M6086 + 5.00000ml of M6171 + 5.00000ml of M6172 + 79.00000ml of MP86739 = 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)	MP86741	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

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 M5979 + 10.00000ml of M6162 + 10.00000ml of M6178 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6032 + 4.90000ml of M6140 + 4.90000ml of M6142 + 47.00000ml of M5305 + 47.00000ml of M6175 + 5.00000ml of M6151 + 834.10000ml of W3112 + 9.00000ml of M5697 + 9.00000ml of M6128 + 9.00000ml of M6145 + 9.90000ml of M6086 + 9.90000ml of M6171 + 9.90000ml of M6172 = 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)	MP86742	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 08/14/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 48.50000ml of W3112 + 50.00000ml of MP86741 = 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)	MP86743	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 08/14/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 73.50000ml of W3112 + 25.00000ml of MP86741 = 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)	MP86744	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 86.00000ml of W3112 + 12.50000ml of MP86741 = 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)	MP86745	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 88.50000ml of W3112 + 10.00000ml of MP86742 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP86746	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

FROM 10.00000ml of M6185 + 90.00000ml of MP86739 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP86747	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

FROM 10.00000ml of M5245 + 10.00000ml of M6185 + 80.00000ml of MP86739 = 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
3962	MG 10PPM FOR TUNE	MP86748	08/12/2025	08/26/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

FROM 0.01000ml of M6171 + 9.99000ml of MP86739 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3894	TUNE 200PPB	MP86750	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/14/2025

FROM 2.00000ml of M6055 + 2.00000ml of MP86748 + 96.00000ml of MP86739 = 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
4213	NEW ICV-6020B	MP86751	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 08/14/2025

FROM 0.00800ml of M6163 + 0.00800ml of M6164 + 0.01600ml of M6165 + 49.96800ml of MP86739 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP86770	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 1.00000ml of M6162 + 2.50000ml of M5062 + 96.50000ml of W3112 = 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
1340	Hg 0.00 PPB STD	MP86771	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

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
1341	Hg 0.2 PPB STD	MP86772	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 247.30000ml of W3112 + 0.20000ml of MP86770 = 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
1342	Hg 2.5 PPB STD	MP86773	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 245.00000ml of W3112 + 2.50000ml of MP86770 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1343	Hg 5.0 PPB STD	MP86774	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 242.50000ml of W3112 + 5.00000ml of MP86770 = 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
1344	Hg 7.5 PPB STD	MP86775	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 240.00000ml of W3112 + 7.50000ml of MP86770 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1345	Hg 10.0 PPB STD	MP86776	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 237.50000ml of W3112 + 10.00000ml of MP86770 = 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
1346	Hg ICV SOLUTION	MP86777	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 245.00000ml of W3112 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1351	ICB (Hg 0.00 PPB SOLUTION)	MP86778	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

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
1358	CCV (Hg 5.0 PPB SOLUTION)	MP86779	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 485.00000ml of W3112 + 5.00000ml of M6162 + 10.00000ml of MP86770 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1352	CCB (Hg 0.00 PPB SOLUTION)	MP86781	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 495.00000ml of W3112 + 5.00000ml of M6162 = 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
1349	CRA/CRI (Hg 0.2 PPB SOLUTION)	MP86782	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 247.30000ml of W3112 + 0.20000ml of MP86770 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1350	CHK STD (Hg 7.0 PPB SOLUTION)	MP86783	08/14/2025	08/15/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 08/14/2025

FROM 2.50000ml of M6162 + 240.50000ml of W3112 + 7.00000ml of MP86770 = 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
104	5% RINSING HCL	MP86786	08/14/2025	08/17/2025	Sagar Kanani	None	None	Sarabjit Jaswal 08/14/2025

FROM 100.00000ml of M6151 + 1900.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3955	S2CONC(SFAM,6020,200.8)	MP86787	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 08/18/2025

FROM 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5981 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6027 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.05000ml of M6079 + 0.05000ml of M6128 + 0.05000ml of M6176 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M6146 + 0.10000ml of M6159 + 0.25000ml of M5799 + 0.25000ml of M5962 + 0.25000ml of M5979 + 0.25000ml of M6021 + 0.25000ml of M6140 + 0.25000ml of M6145 + 0.25000ml of M6178 + 0.50000ml of M6032 + 0.50000ml of M6137 + 1.25000ml of M5815 + 1.25000ml of M5817 + 1.25000ml of M6151 + 2.50000ml of M6086 + 2.50000ml of M6142 + 2.50000ml of M6162 + 2.50000ml of M6171 + 2.50000ml of M6172 + 230.00000ml 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
3956	S2(SFAM,6020,200.8)	MP86788	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/18/2025

FROM 0.25000ml of M6151 + 0.50000ml of M6162 + 49.00000ml of W3112 + 0.25000ml of MP86787 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3957	S1(SFAM,6020,200.8)	MP86789	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/18/2025

FROM 0.25000ml of M6151 + 0.50000ml of M6162 + 44.25000ml of W3112 + 5.00000ml of MP86788 = 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
3880	M&B SPIKE-1	MP86790	08/12/2025	09/02/2025	Janvi Patel	None	None	Sarabjit Jaswal 08/18/2025

FROM 5.00000ml of M5658 + 5.00000ml of M5798 + 5.00000ml of M5800 + 5.00000ml of M5962 + 5.00000ml of M5981 + 5.00000ml of M6021 + 5.00000ml of M6023 + 5.00000ml of M6027 + 5.00000ml of M6028 + 5.00000ml of M6030 + 5.00000ml of M6079 + 5.00000ml of M6160 + 5.00000ml of M6176 + 32.50000ml of MP86739 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3881	M&B SPIKE-2	MP86791	08/12/2025	09/02/2025	Janvi Patel	None	None	Sarabjit Jaswal 08/18/2025

FROM 10.00000ml of M5979 + 10.00000ml of M6178 + 12.50000ml of M6032 + 12.50000ml of M6140 + 12.50000ml of M6142 + 2.50000ml of M5799 + 2.50000ml of M6137 + 5.00000ml of M6159 + 32.50000ml of MP86739 = 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	MP86792	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/18/2025

FROM 0.62500ml of M6026 + 12.50000ml of M5697 + 12.50000ml of M6128 + 12.50000ml of M6145 + 11.87500ml of MP86739 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3900	M&B SPIKE-4	MP86793	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/18/2025

FROM 6.25000ml of M6086 + 6.25000ml of M6171 + 6.25000ml of M6172 + 6.25000ml of MP86739 = 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
3961	CCV	MP86794	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/18/2025

FROM 0.20000ml of M6026 + 0.50000ml of M5799 + 0.50000ml of M5981 + 0.50000ml of M6079 + 0.50000ml of M6137 + 0.50000ml of M6176 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6162 + 12.45000ml of M6140 + 12.45000ml of M6142 + 2.00000ml of M6032 + 24.95000ml of M6086 + 24.95000ml of M6144 + 24.95000ml of M6171 + 25.00000ml of M6175 + 4.50000ml of M5697 + 4.50000ml of M6128 + 4.50000ml of M6145 + 4.95000ml of M6159 + 5.00000ml of M6151 + 5.50000ml of M5979 + 5.50000ml of M6178 + 824.10000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4213	NEW ICV-6020B	MP86863	08/12/2025	09/02/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 08/25/2025

FROM 0.00800ml of M6164 + 0.00800ml of M6165 + 0.01600ml of M6163 + 0.02500ml of M6058 + 0.22500ml of M6156 + 49.71800ml of MP86739 = Final Quantity: 50.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-2196-01 / Hydroxylamine Hydrochloride, Crystal (cs/4x500g)	0000215387	06/25/2025	07/01/2019 / RICHARD	06/07/2019 / RICHARD	M4371

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3238-05 / Potassium Persulfate (2.5kg)	0000234156	08/06/2025	07/23/2019 / jaswal	07/25/2019 / manojkumar	M4465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3227-05 / Potassium Permanganate (2.5kg)	210800	03/31/2026	11/30/2022 / mohan	07/28/2021 / mohan	M4916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	MSHG-10PPM / MERCURY HCl 125mL 10ug/mL	S2-HG709270	09/22/2026	05/28/2022 / mohan	01/27/2022 / mohan	M5062

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSB (ICPMS) STOCK SOLUTION	CP-MS ICSB-0803	07/01/2026	07/02/2025 / jaswal	02/20/2020 / jaswal	M5245

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

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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.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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 #
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 #
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	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	08/05/2026	08/06/2025 / Janvi	02/22/2024 / Jaswal	M5979

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

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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.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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.	57028 / Ni, 1000 PPM, 125 ml	062024	06/20/2027	06/04/2025 / Janvi	08/05/2024 / Jaswal	M6027

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

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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.	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

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 #
Inorganic Ventures	CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti	V2-MEB746173	01/29/2026	01/29/2025 / JANVI	08/22/2024 / Jaswal	M6058

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

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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.	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.	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

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	011025	01/10/2028	06/25/2025 / Janvi	01/13/2025 / Jaswal	M6140

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

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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.	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 #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	071724	07/17/2027	01/31/2025 / kareem	10/18/2024 / kareem	M6146

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	02/17/2026	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 #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	032123	03/21/2026	11/06/2024 / JANVI	06/12/2024 / JANVI	M6156

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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	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 #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	011525	01/15/2028	07/15/2025 / jaswal	02/13/2025 / Janvi	M6171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNA10-5 / Sodium, 500 ml, 10000 PPM	V2-NA740547	07/29/2026	07/29/2025 / Janvi	01/25/2025 / Janvi	M6172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	V2-MEB742014	07/17/2026	07/17/2025 / Janvi	01/27/2025 / Janvi	M6175

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	092724	09/27/2027	08/06/2025 / Janvi	08/06/2025 / Janvi	M6176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	080528	08/05/2028	08/06/2025 / Janvi	08/06/2025 / Janvi	M6178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	MS ICSA-0803	07/01/2026	07/02/2025 / jaswal	07/14/2022 / Janvi	M6185

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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

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www.absolutestandards.com

Certified Reference Material CRM

M6032

R 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised

CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**010924**	**Solvent:**	24002546	Nitric Acid	
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		

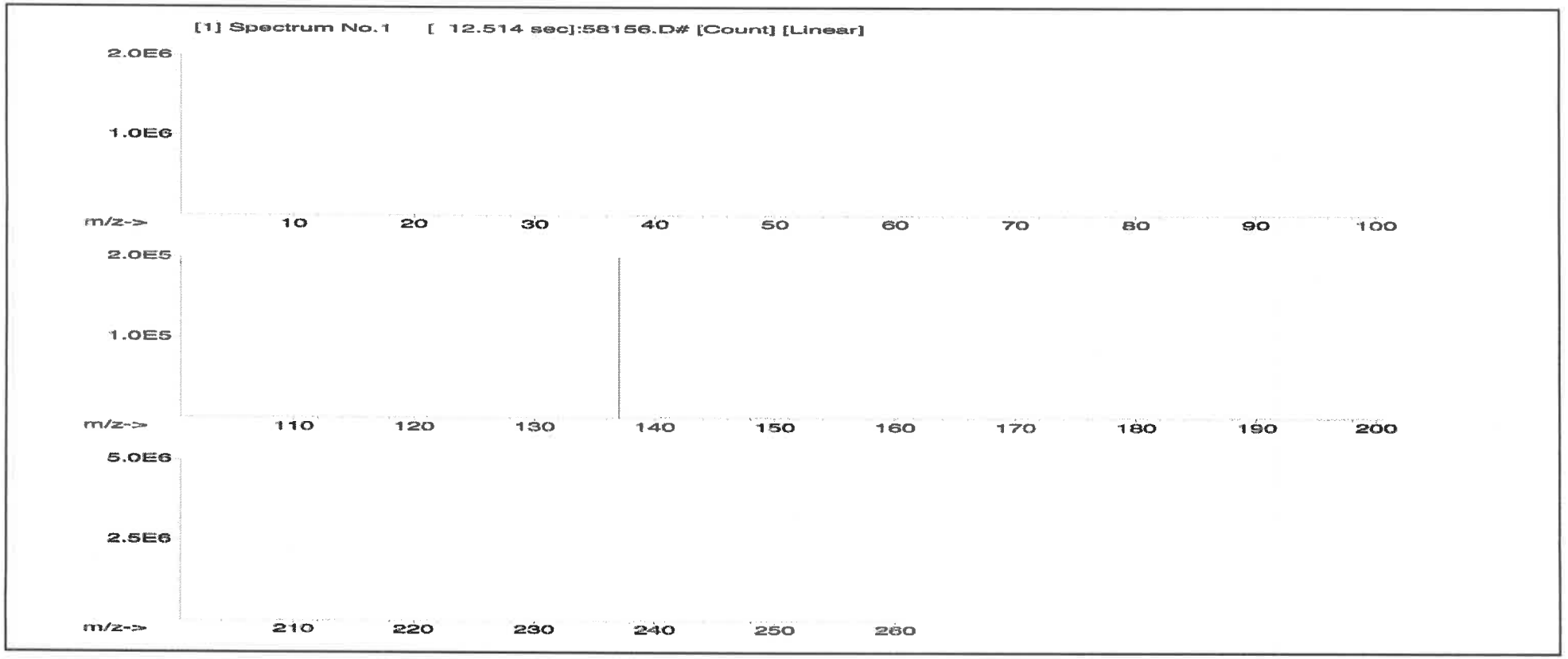
Giovanni Esposito

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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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	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).

Absolute Standards, Inc.
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revd 10/14/2024 M6085/M6086/M6087

CERTIFIED WEIGHT REPORT:

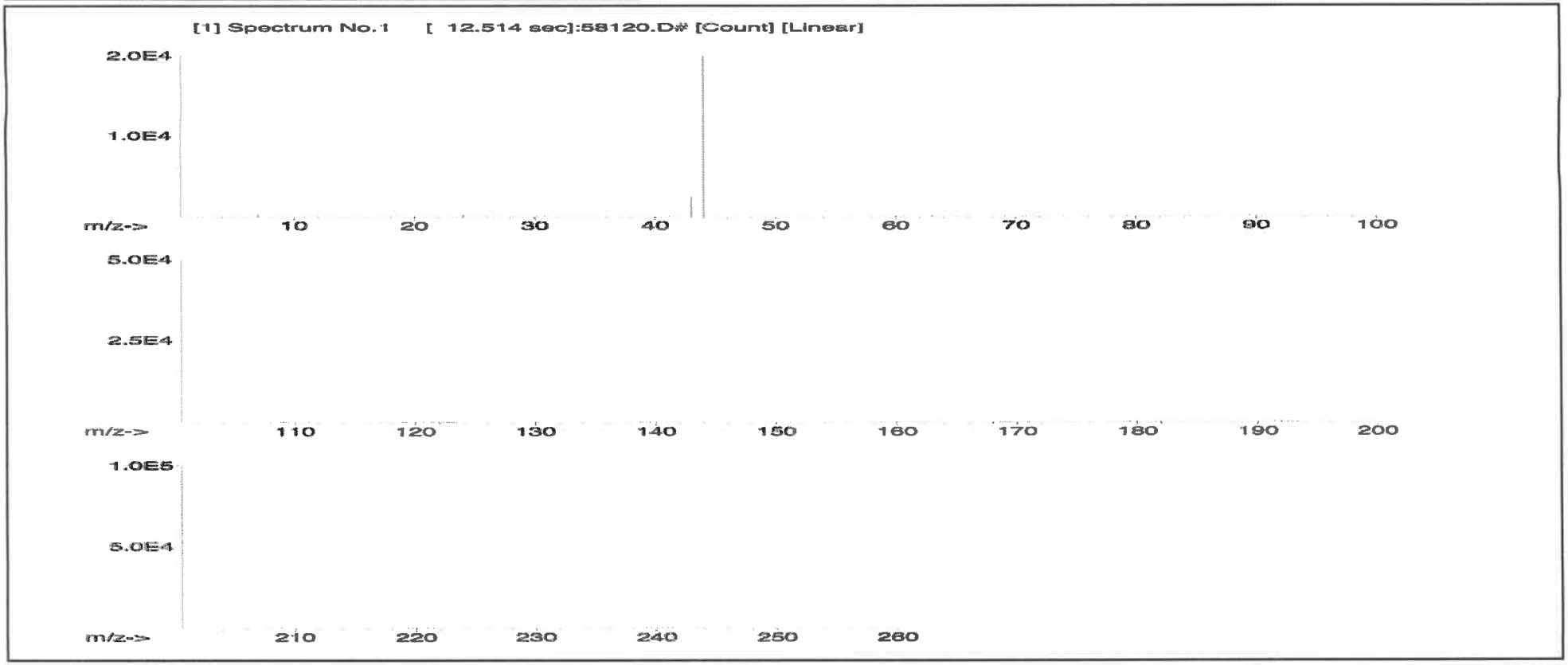
Part Number: 58120
Lot Number: 082324
Description: Calcium (Ca)
Expiration Date: 082327
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 4000.1 0.15 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	
		5E-05	Balance 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



Revised
861 of 998
Q2842-METALS

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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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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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M6028

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R: 8/5/24

CERTIFIED WEIGHT REPORT:

Part Number: 57048
Lot Number: 070124
Description: Cadmium (Cd)

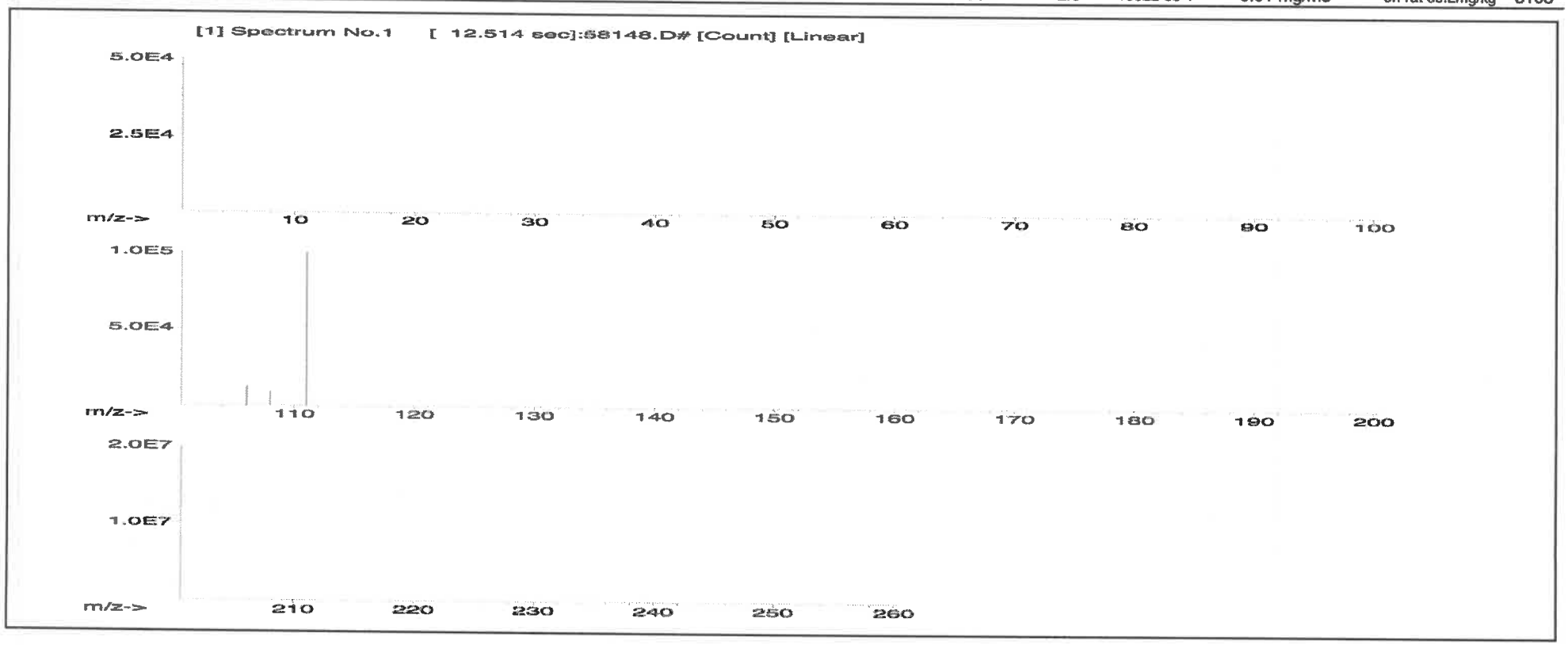
Expiration Date: 070127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty

Aleah O'Brady
Formulated By: Aleah O'Brady 070124

Pedro Rentas
Reviewed By: Pedro L. Rentas 070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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 Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

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.

ICSA: M5244

ICSB: M5245

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

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	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.10)	-1.9	2.1	19.0	16.2	21.9
Ba	10	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0.0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.70)	-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	(0.30)	-9.7	10.0	(19.0)	9.0	29.0
Ag	1.0	(0.0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0.0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.50)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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Certified Reference Material CRM

R: 8/15/24 M6025

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AR-1539 Certificate Number
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Revised
867 of 998

CERTIFIED WEIGHT REPORT:

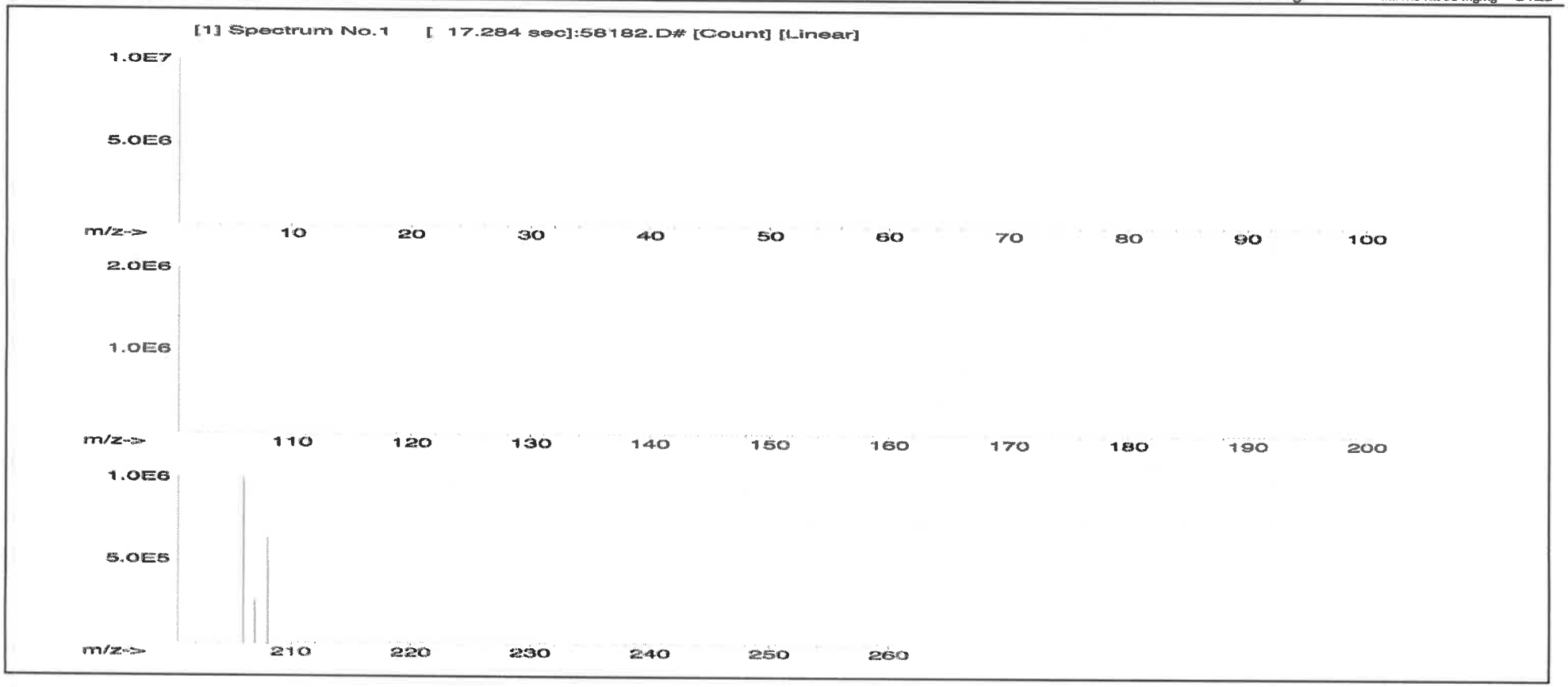
Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

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



Q2842-METALS

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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	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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M6026

R: 8/5/24

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

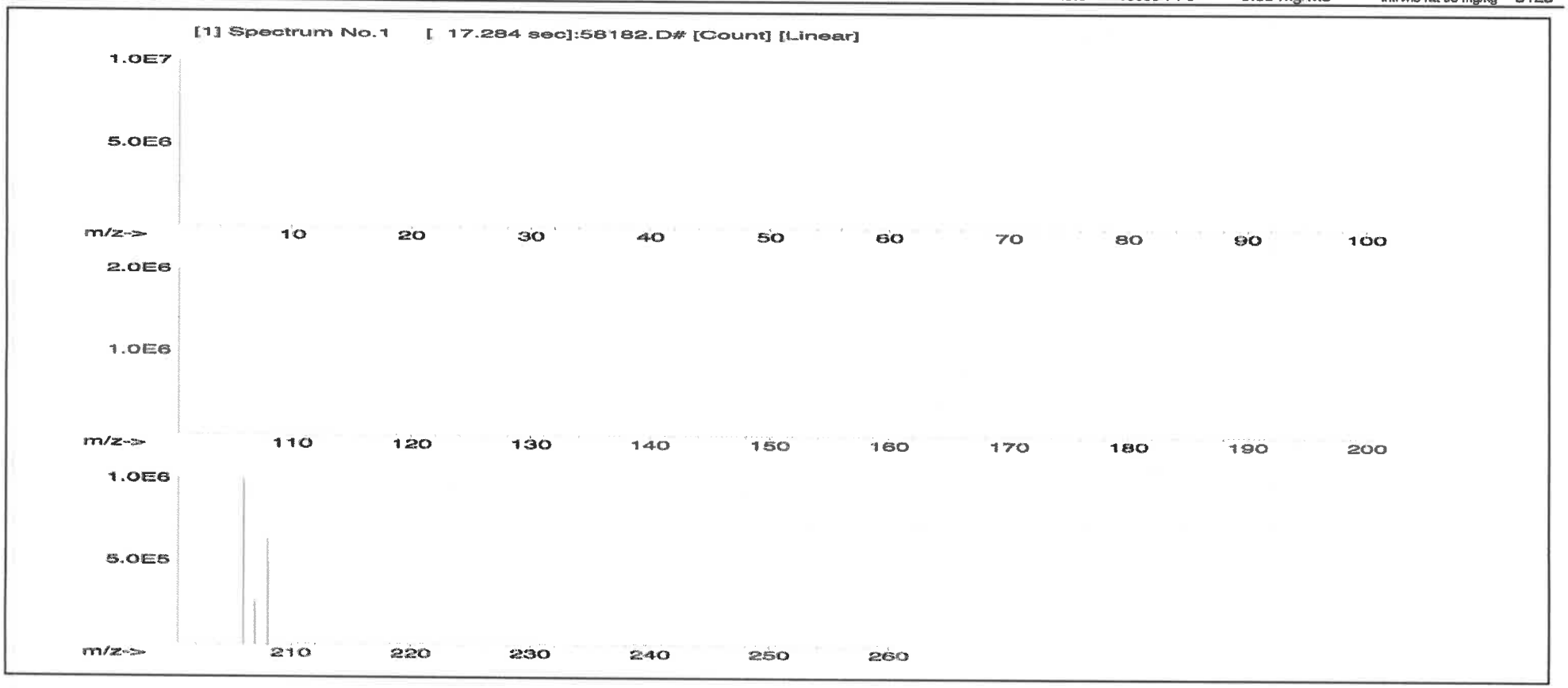
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* 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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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

ThermoFisher SCIENTIFIC

M4913-16

MB

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

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
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

M5062
M5063
M3

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Mass Spec Solution
Catalog Number:	MSHG-10PPM
Lot Number:	S2-HG709270
Matrix:	10% (v/v) HCl
Value / Analyte(s):	10 µg/mL ea: Mercury
Starting Material:	Hg metal
Starting Material Lot#:	1959
Starting Material Purity:	99.9994%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10.001 ± 0.053 µg/mL

Density: 1.020 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
Hg	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \Sigma(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a)(u_{char\ a})$$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/4}$$

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

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 22, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 22, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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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

M5658 R ! 8/25/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

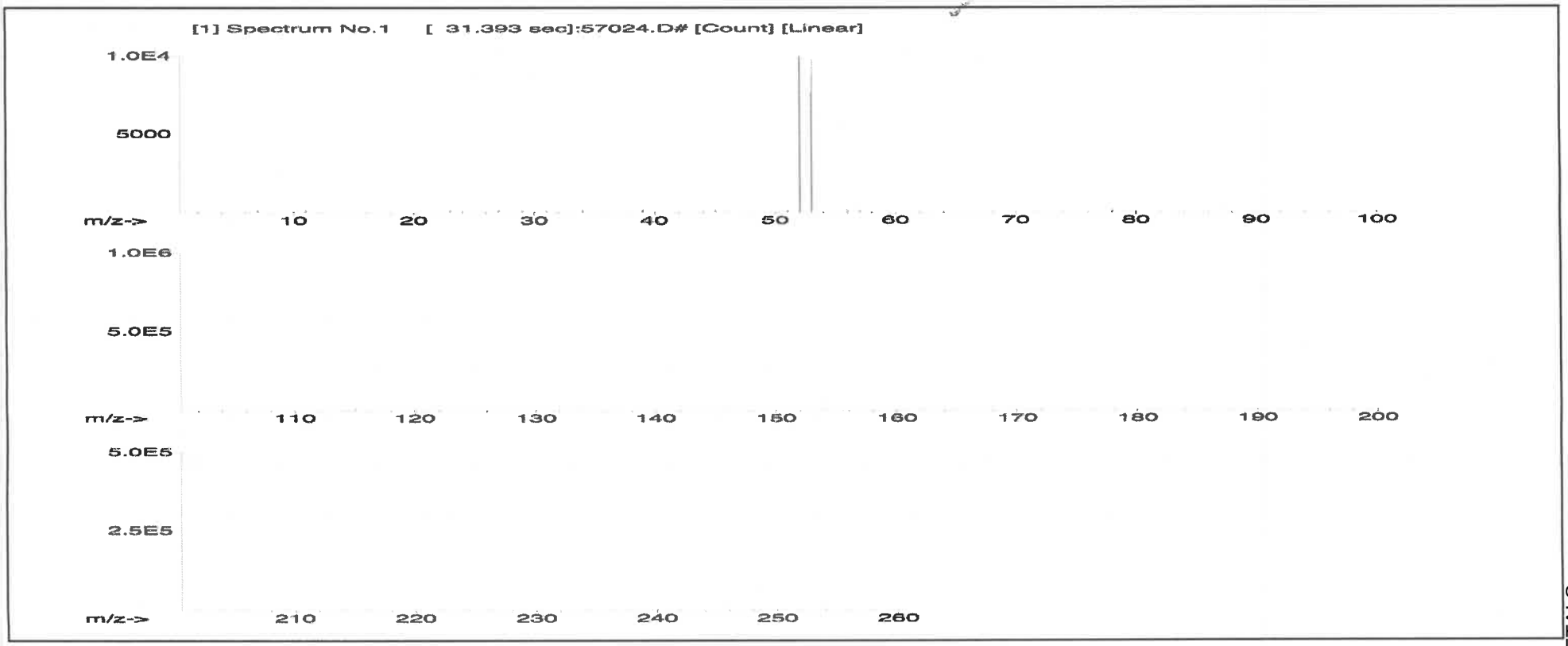
Revised

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



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	<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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* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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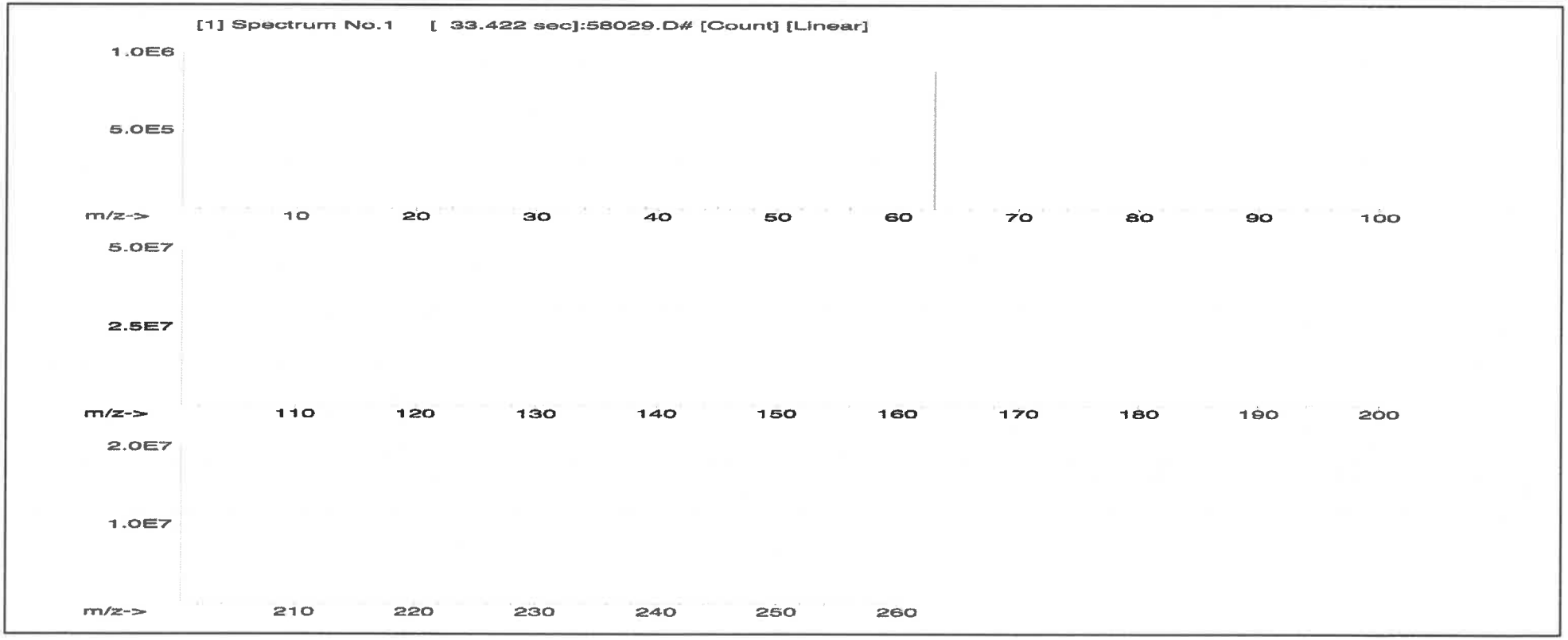
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CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**58029**	24002546	Nitric Acid
Lot Number:	**102523**		
Description:	**Copper (Cu)**		
		2.0%	40.0 (mL) Nitric Acid
Expiration Date:	102526		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05	Balance Uncertainty
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	100223	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



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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:

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).
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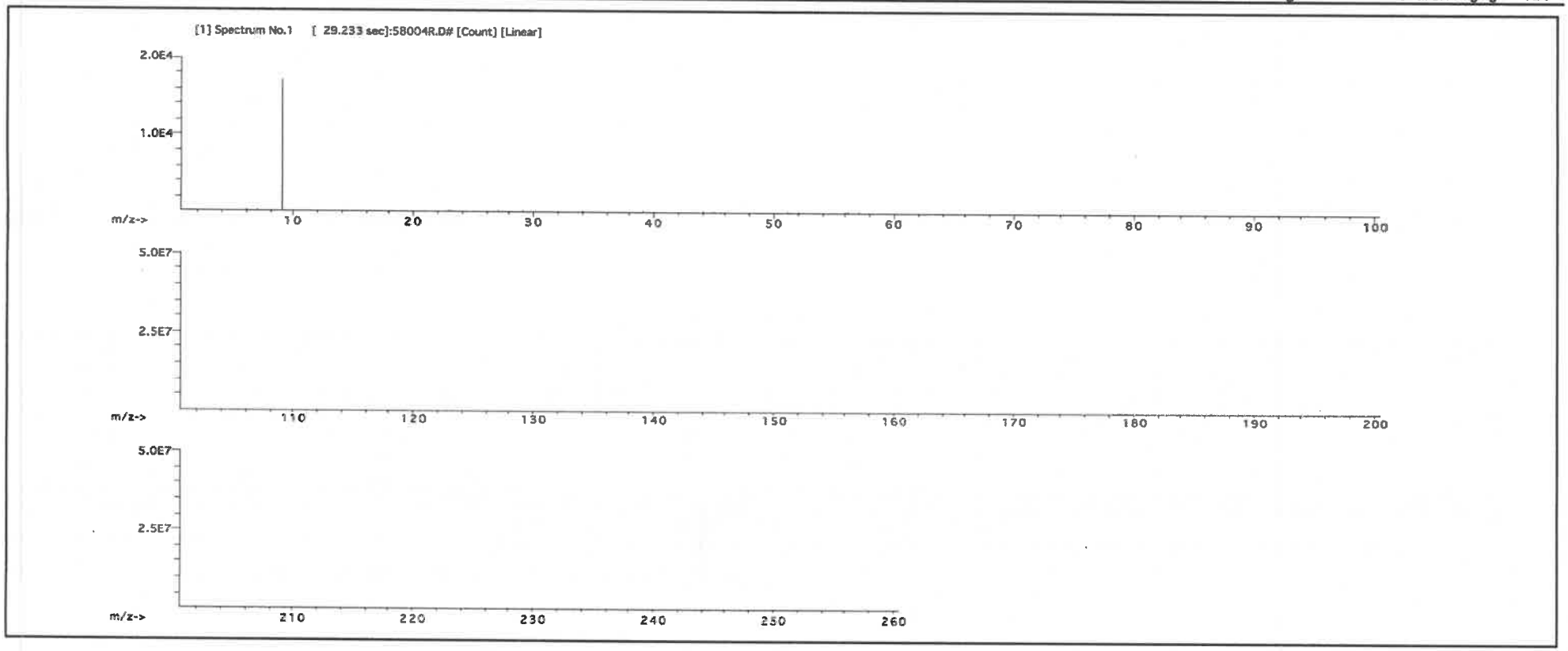
Revised

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



Q2842-METALS

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)

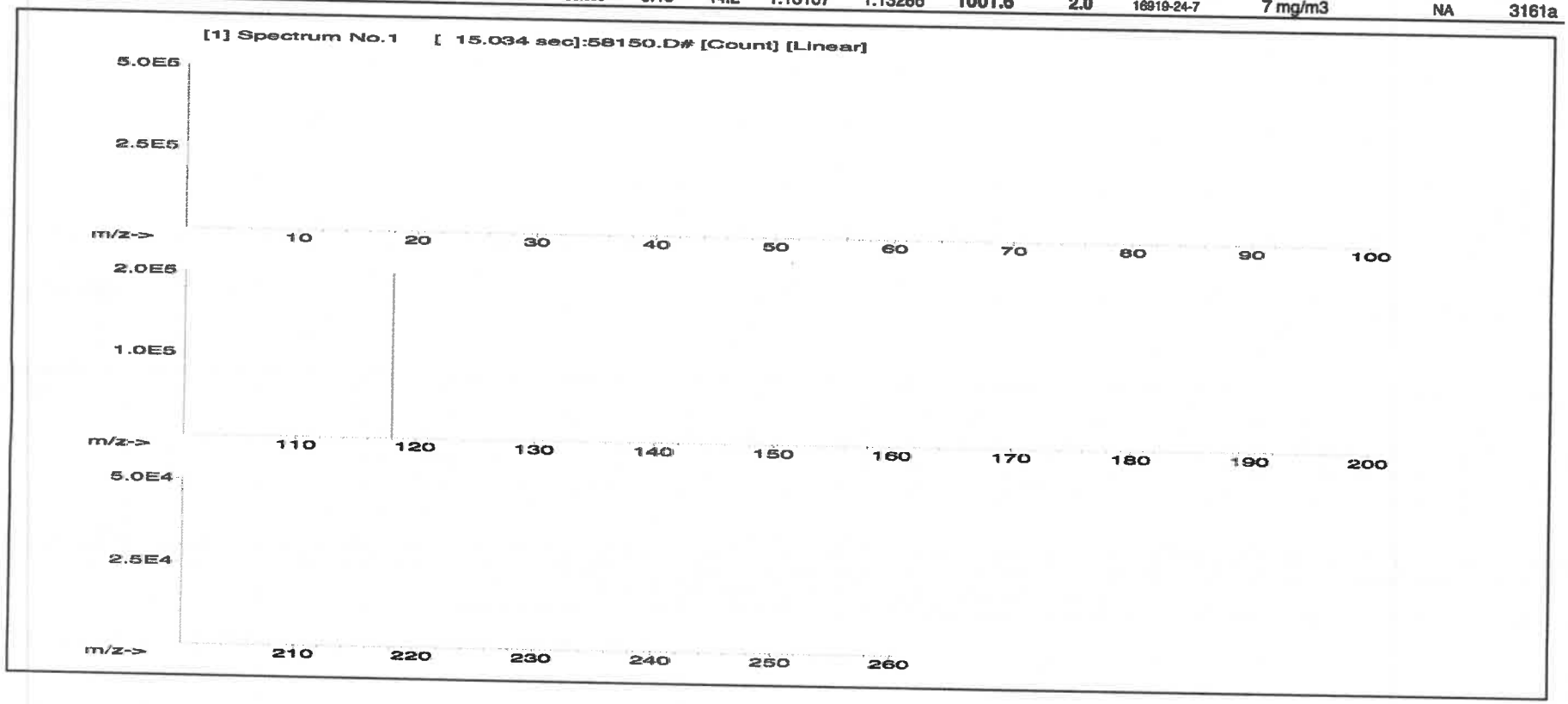
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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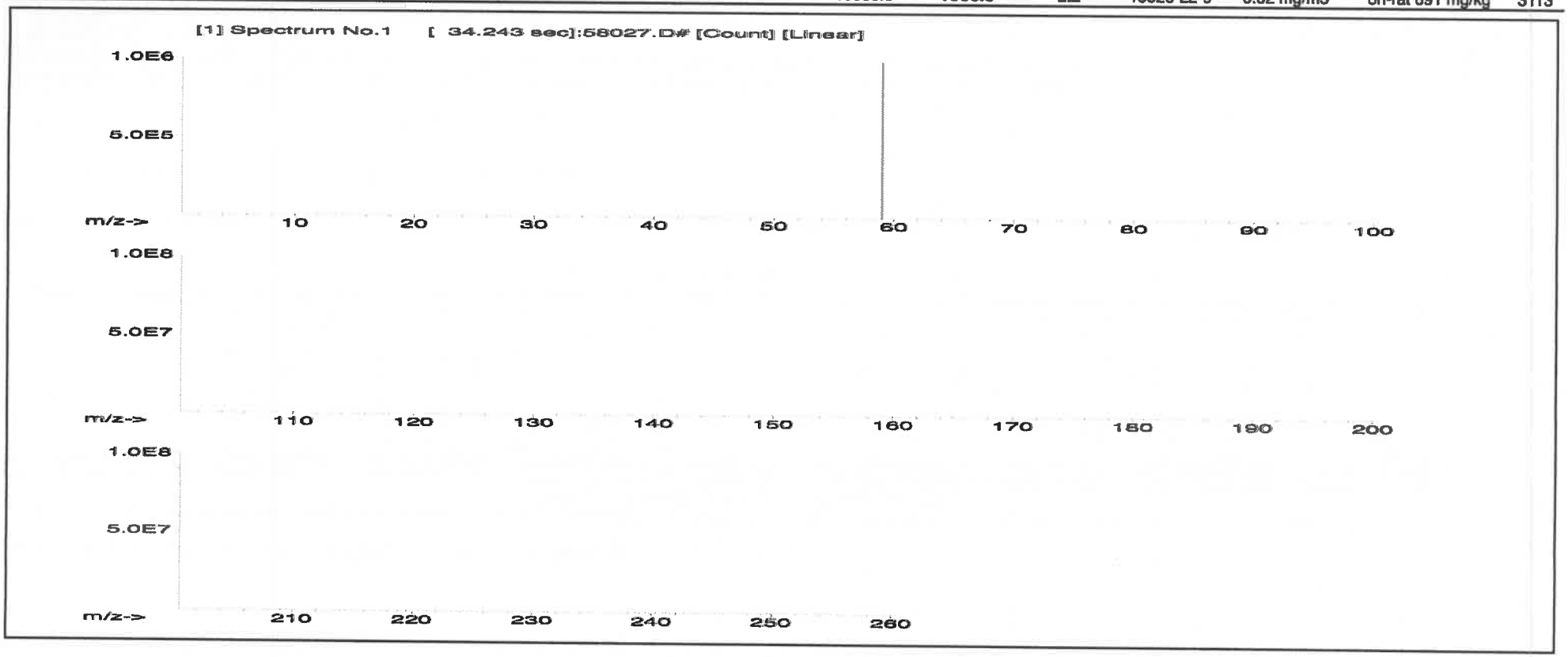
CERTIFIED WEIGHT REPORT:

		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.

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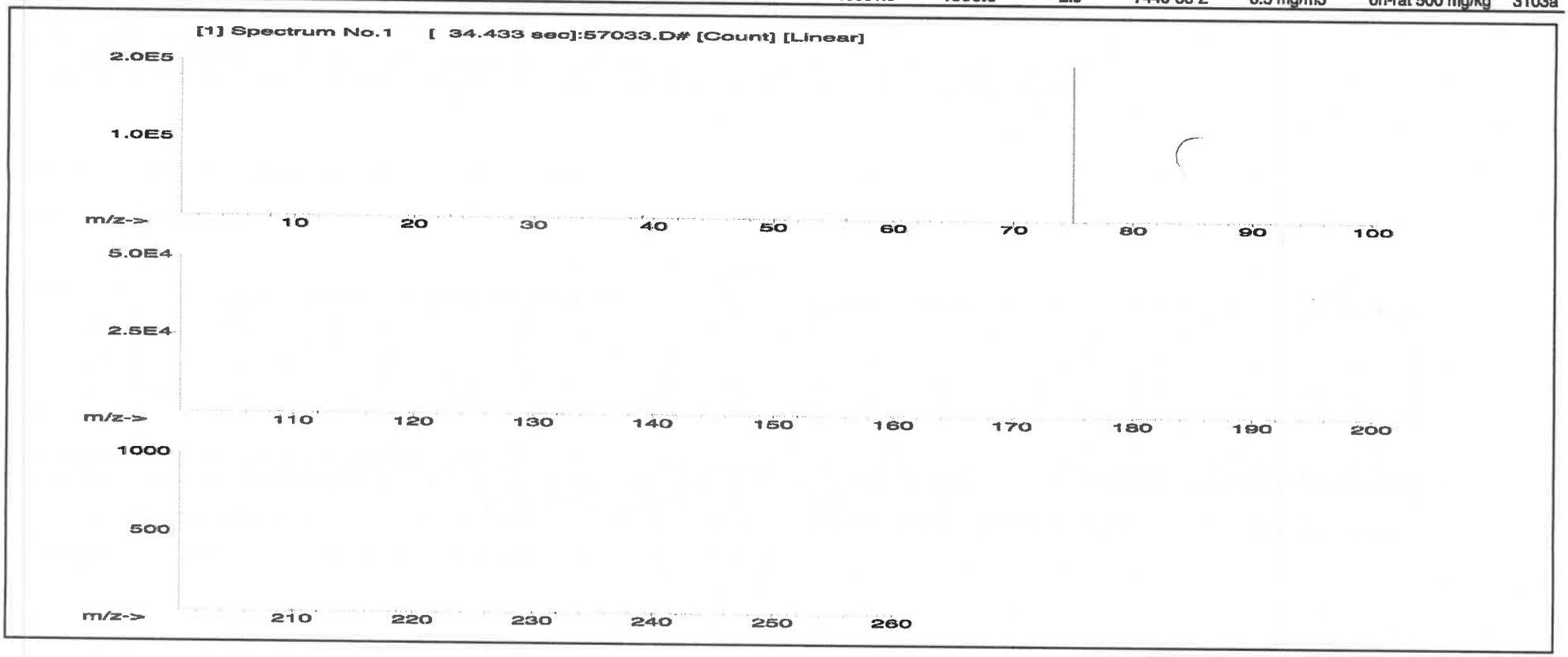
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CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



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Revised

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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CERTIFIED WEIGHT REPORT:

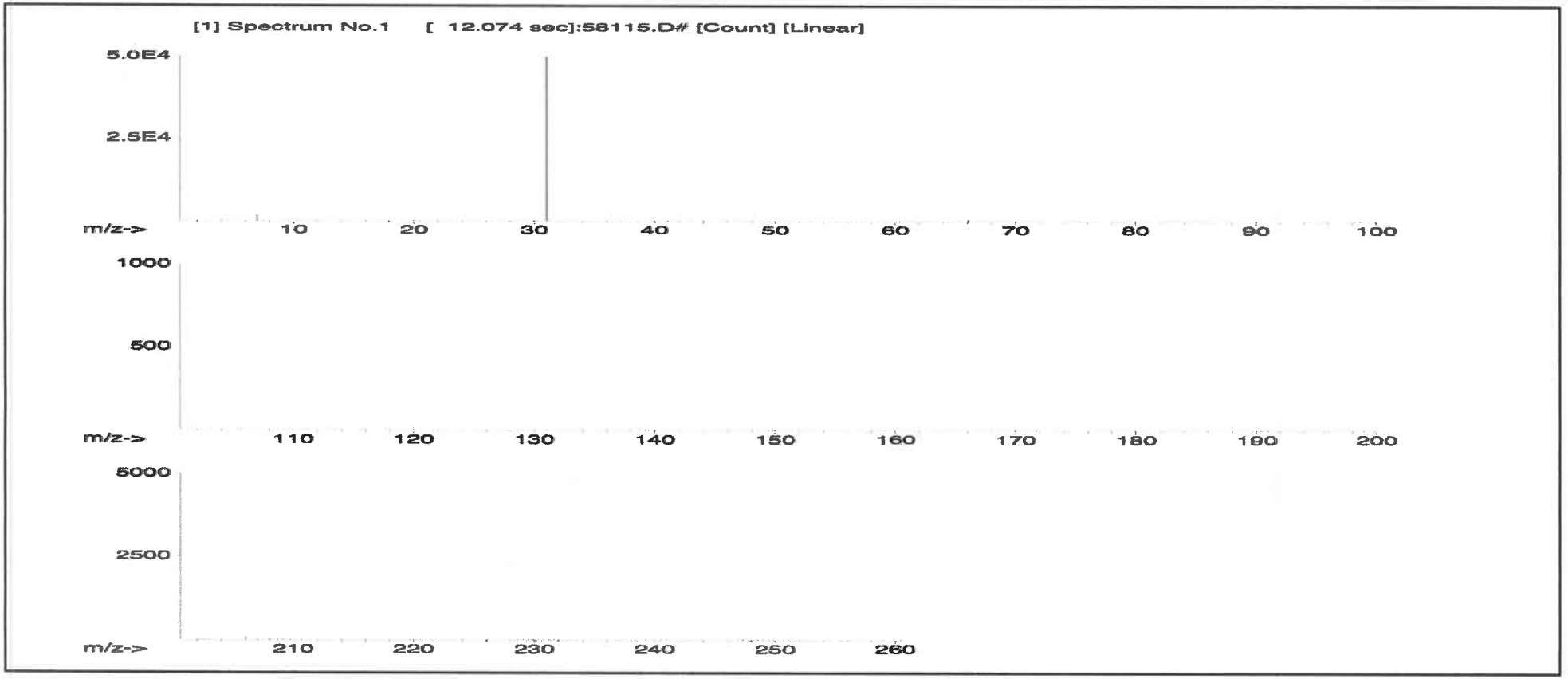
Part Number: 57115
Lot Number: 041723
Description: Phosphorous (P)

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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Certified Reference Material CRM

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AR-1539 Certificate Number
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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.

* 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 WEIGHT REPORT:

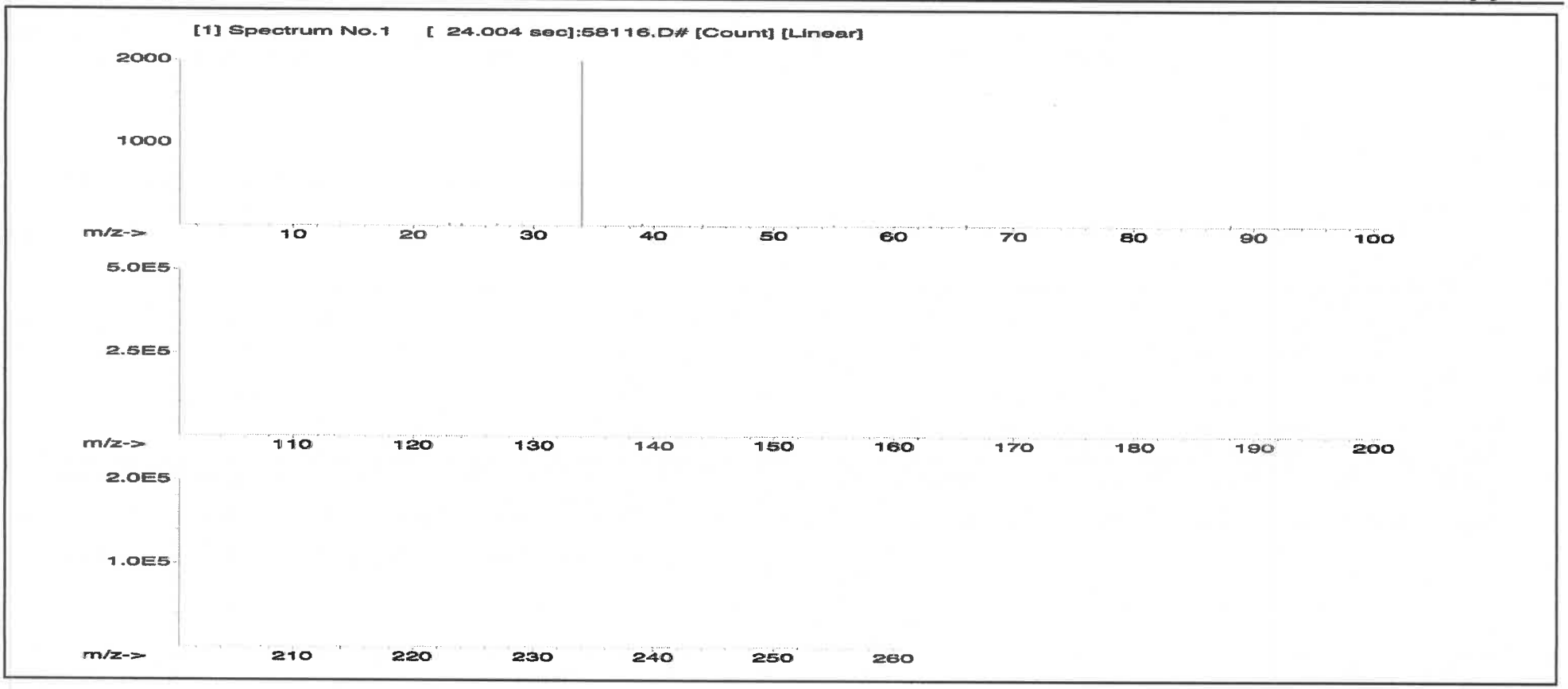
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry 071123
Reviewed By:	Pedro L. Rentas 071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	ori-rat 4250mg/kg	3181



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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:

* 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).

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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Certified Reference Material CRM

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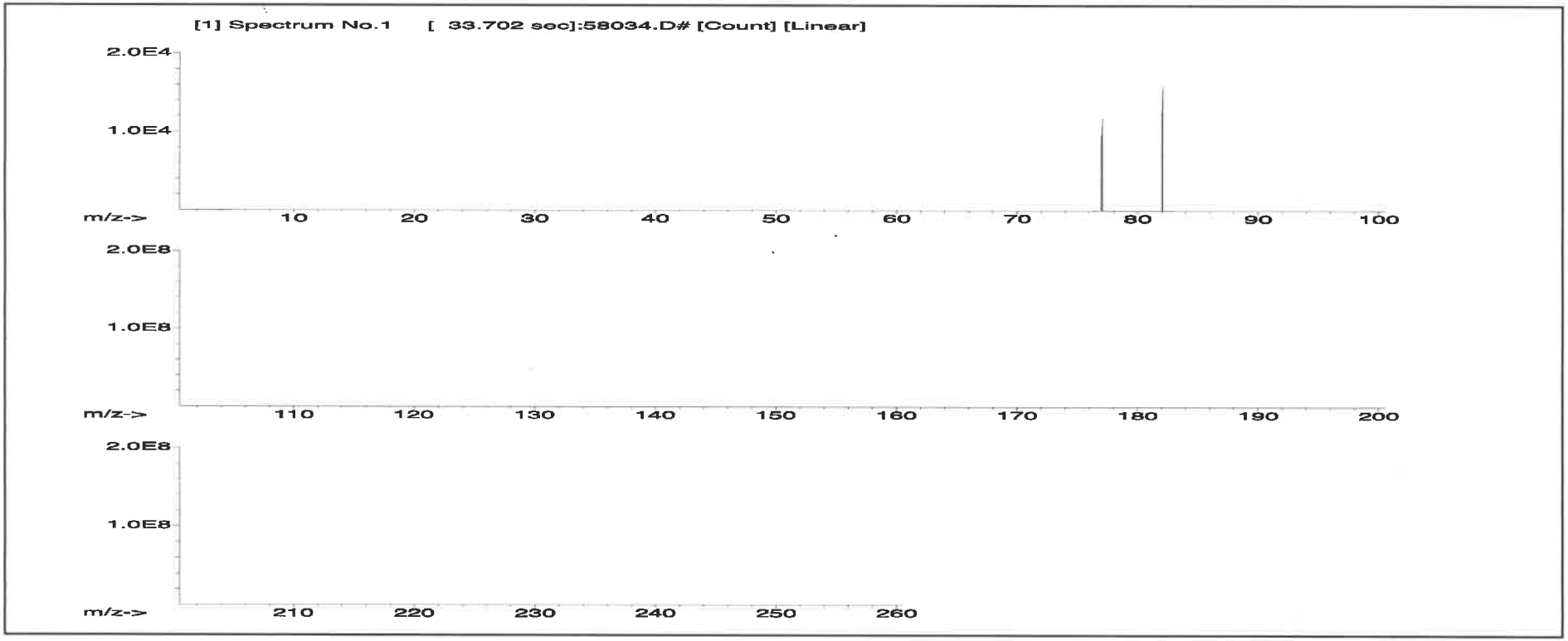
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CERTIFIED WEIGHT REPORT:

		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.
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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).

M5978, M5979

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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(\bar{x}_i)$

$\bar{x}_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (\bar{x}_a)\ (u_{char\ a})$

$\bar{x}_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form In Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 for months in 1% 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

M5981 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		

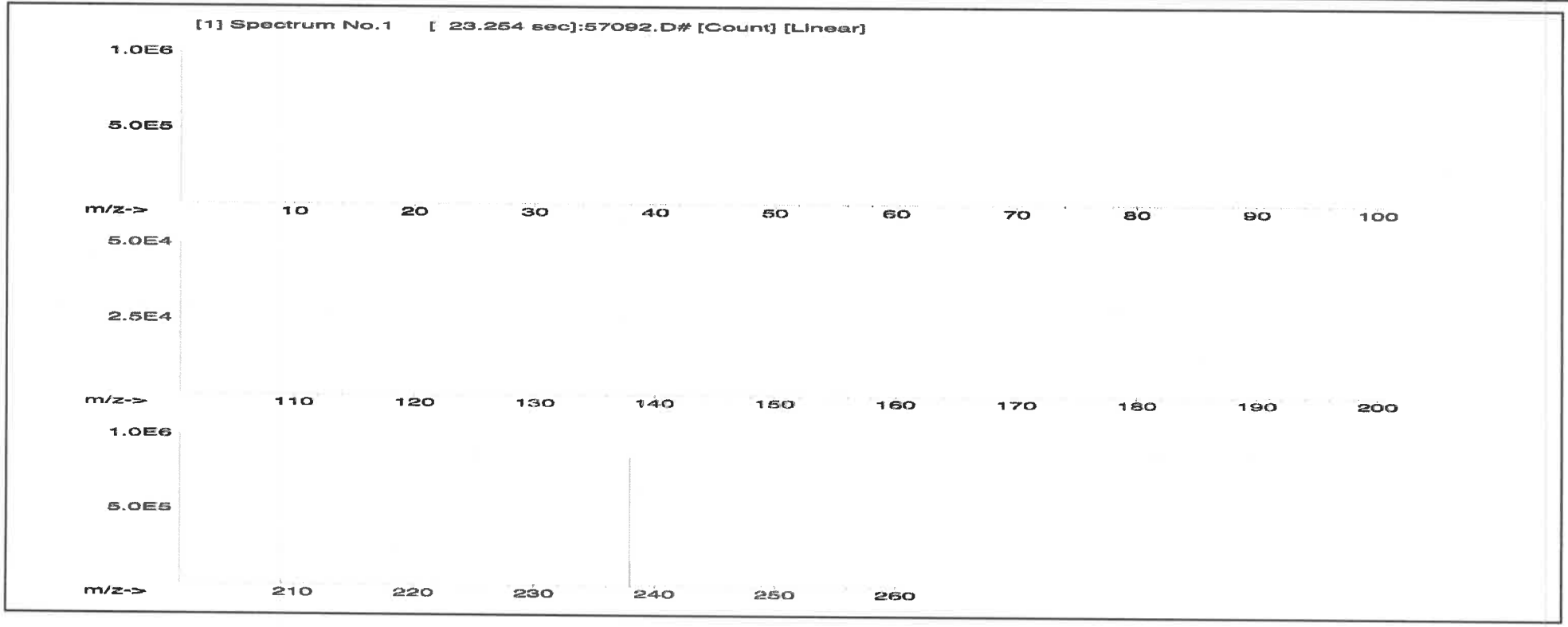
Giovanni Esposito

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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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	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
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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	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



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R! 08/22/24 M6058, M6059

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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:	CHEM-CLP-4
Lot Number:	V2-MEB746172
Matrix:	3% (v/v) HNO_3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	1 000 ± 5 µg/mL	Molybdenum, Mo	1 000 ± 5 µg/mL
Silicon, Si	1 000 ± 7 µg/mL	Tin, Sn	1 000 ± 5 µg/mL
Titanium, Ti	1 000 ± 6 µg/mL		

Density: 1.032 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Mo	ICP Assay	traceable to 3134	U2-MO739068
Si	ICP Assay	Traceable to 3150	S2-SI702546
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	traceable to 3162a	T2-TI725816

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

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

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

August 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- August 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
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Certified Reference Material CRM

M6079 R: 9/30/24

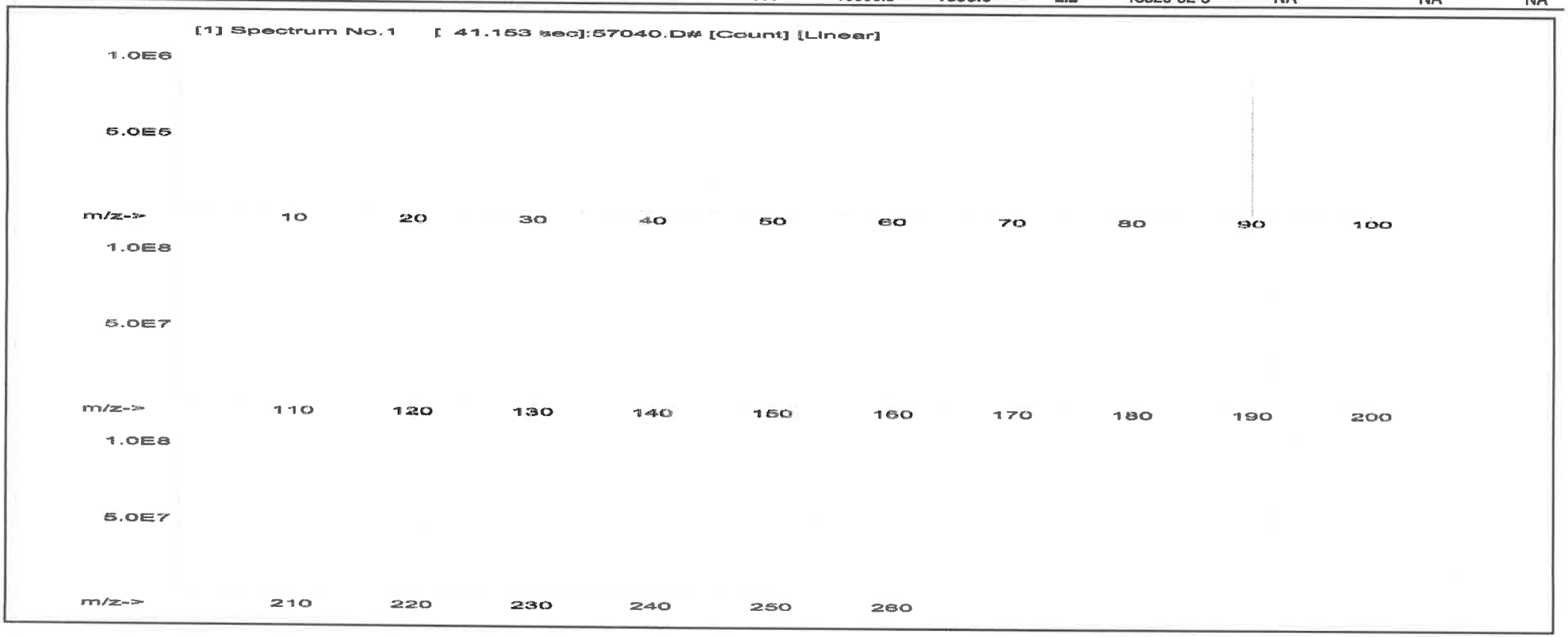
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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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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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CERTIFIED WEIGHT REPORT:

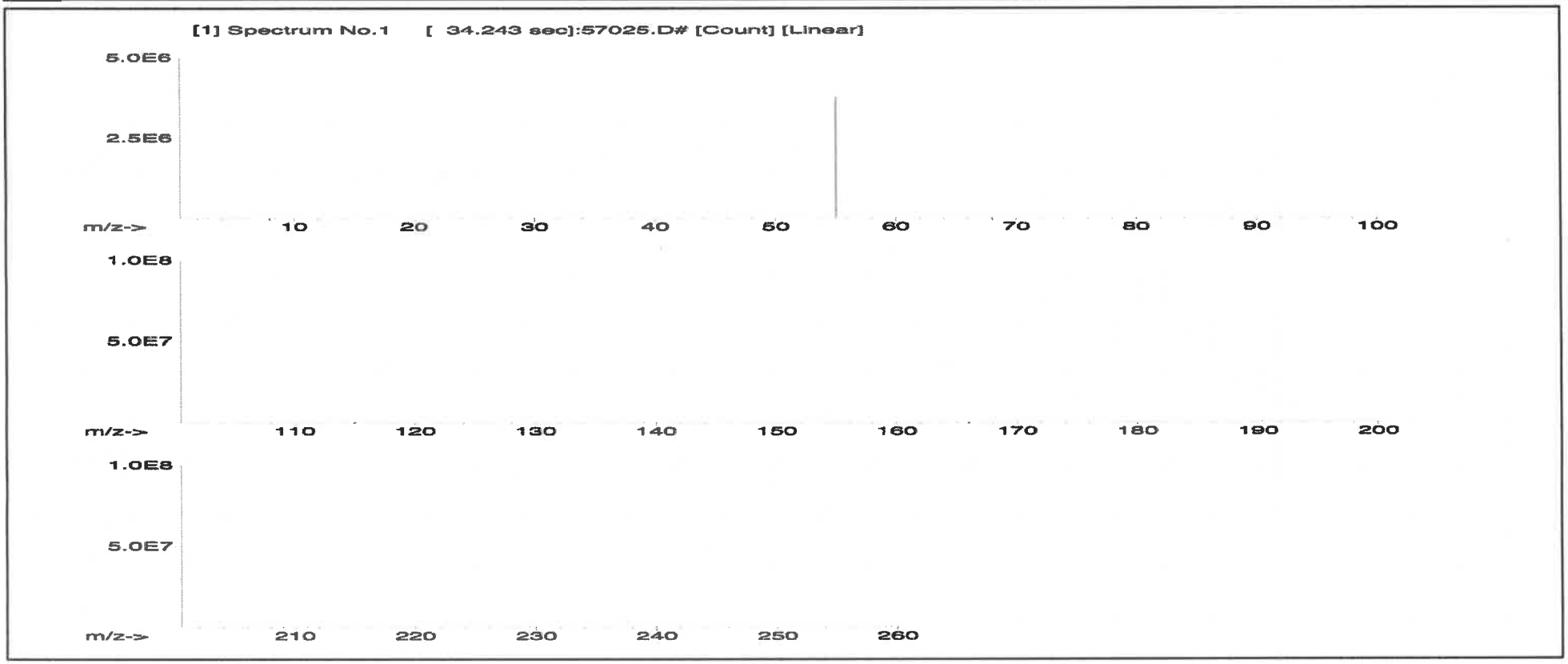
R->1/13/25
M6128

Part Number:	**58025**		**Solvent:**	**Lot #** 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
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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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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Certificate of Analysis

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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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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	<	0.000310	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:

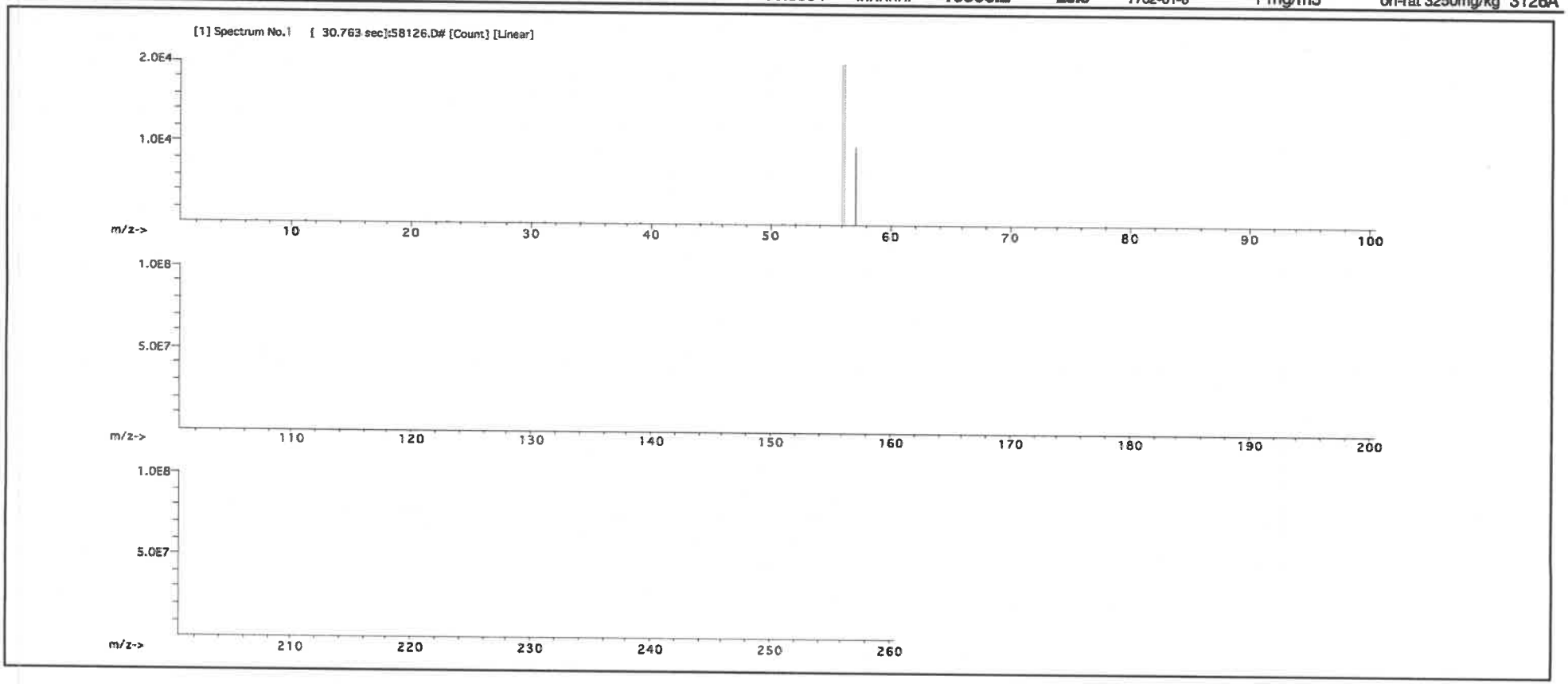
Part Number: 58126 R->1|B|2S
Lot Number: 011025
Description: Iron (Fe) M6140
Expiration Date: 011028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.07

	Lot #		
Solvent:	24012496	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.100 Flask Uncertainty

Formulated By:	Benson Chan	011025
Reviewed By:	Pedro L. Rentas	011025

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(III) nitrate nonahydrate (Fe)	IN028	FED082023A1	10000	99.999	0.10	13.0	153.8534	######	**10000.2**	**20.0**	7782-61-8	1 mg/m3	orl-rat 3250mg/kg	3126A



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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	T	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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Revised

CERTIFIED WEIGHT REPORT:

R-> 1/13/25

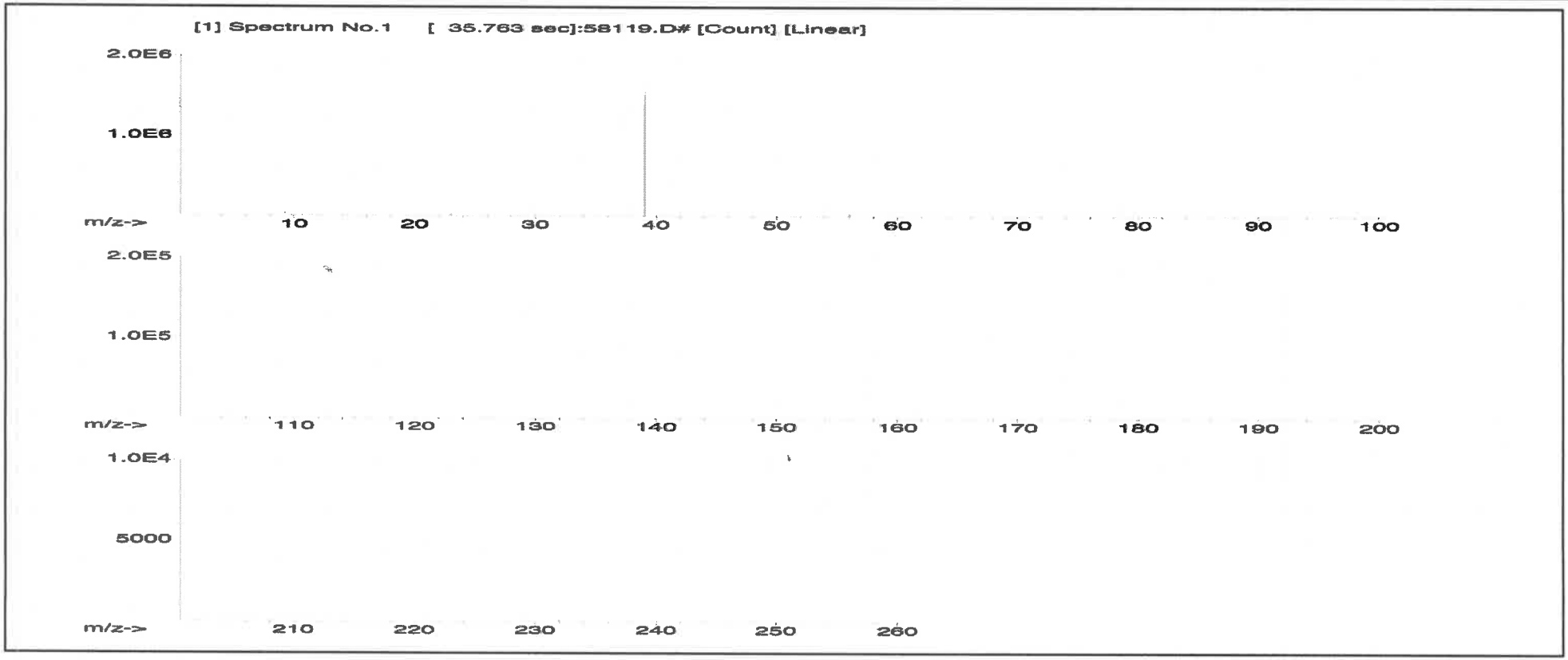
Part Number:	**57119**		**Lot #**		
Lot Number:	**103024**	**Solvent:**	24002546	Nitric Acid	
Description:	**Potassium (K)**	2%	80.0 (mL)	Nitric Acid	
Expiration Date:	103027				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance 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.
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* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Revised

928 of 998

CERTIFIED WEIGHT REPORT:

R->1/13/25

Part Number: 58111
Lot Number: 072424
Description: Sodium (Na)

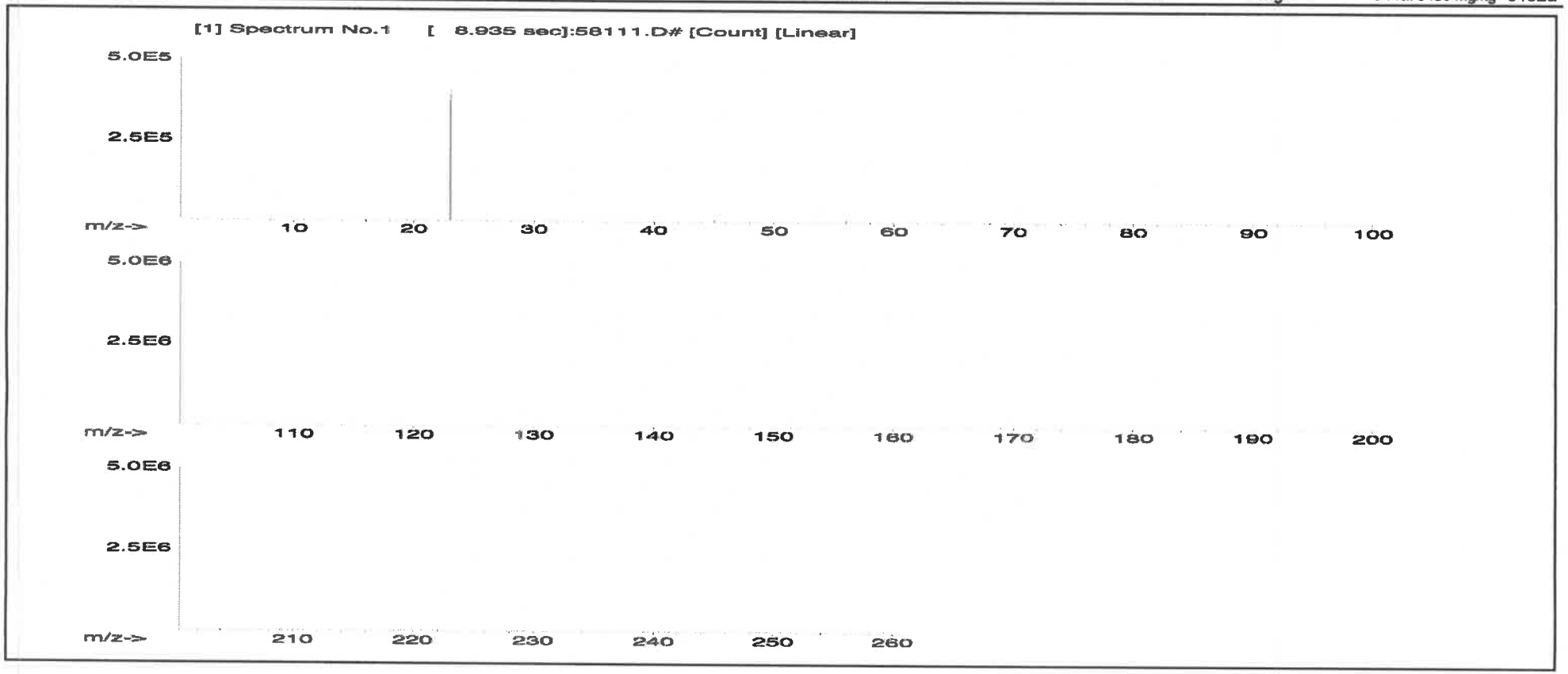
MG144

Expiration Date: 072427
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 4000.2

		Lot #	
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
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



Q2842-METALS

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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.

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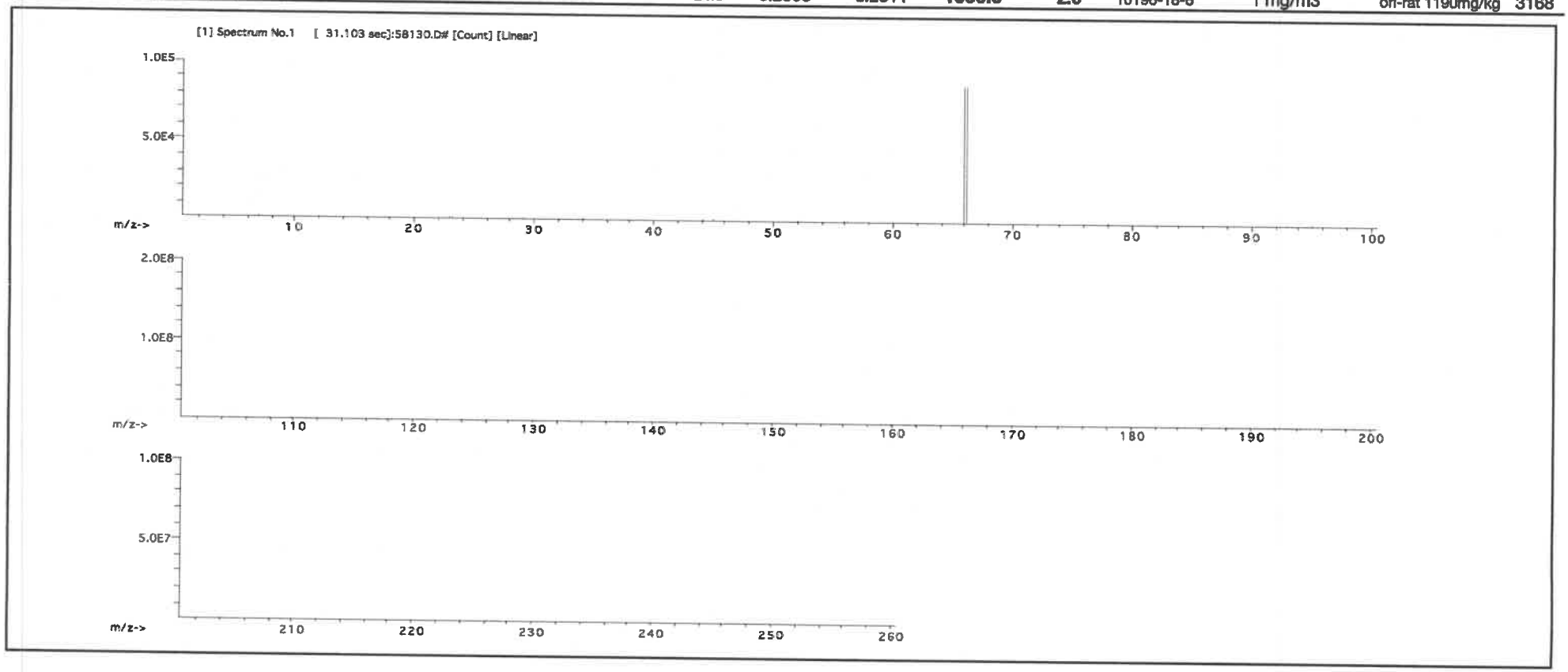
CERTIFIED WEIGHT REPORT:

Part Number:	**58030**	R→1/13/25	**Solvent:**	Lot # 24012496	Nitric Acid
Lot Number:	**121724**				
Description:	**Zinc (Zn)**	M6145	2%	40.0 (mL)	Nitric Acid
Expiration Date:	121727				
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	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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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:

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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

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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:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

M6156

Certified Reference Material CRM

R→ 6/12/24

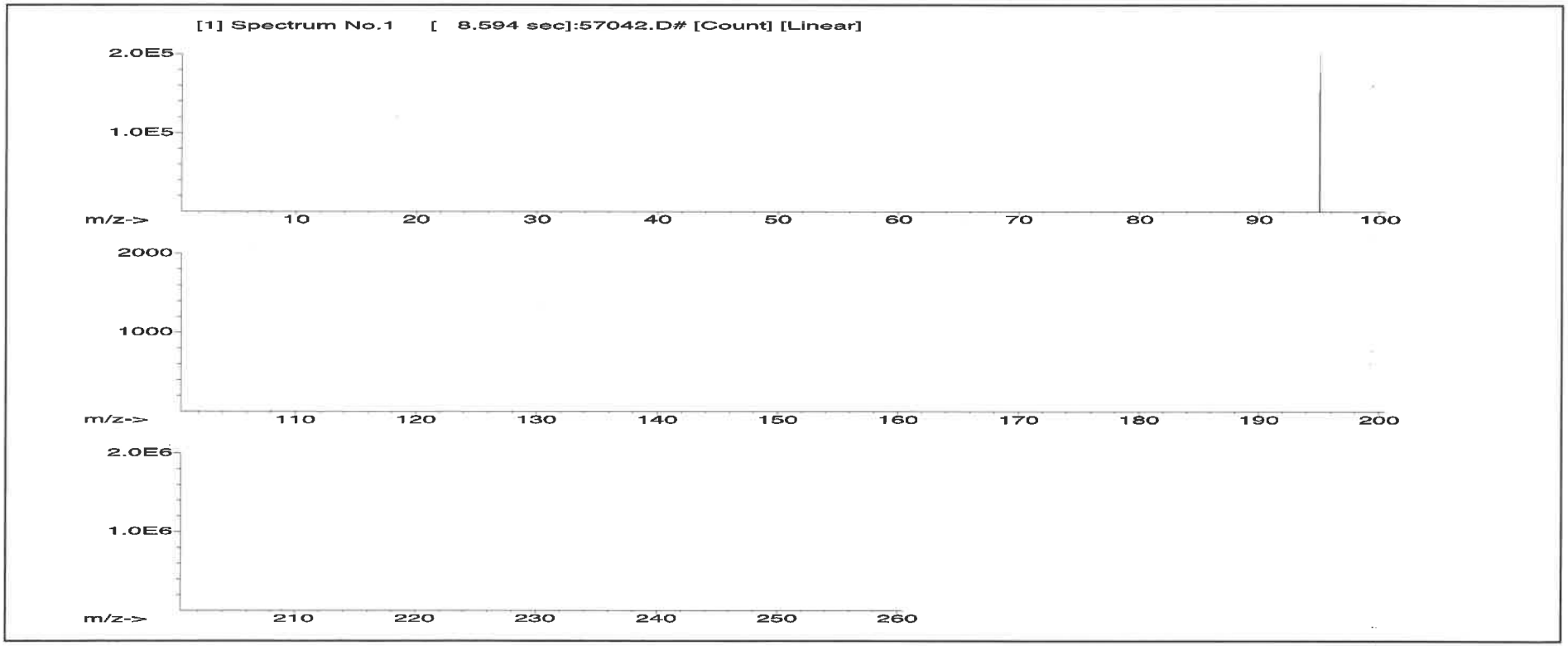
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**57042**		
Lot Number:	**032123**		
Description:	**Molybdenum (Mo)**	MKBQ8597V	Ammonium hydroxide
		0.5%	15.0 (mL) Ammonium hydroxide
Expiration Date:	032126		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05 Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058 Flask Uncertainty	

Formulated By:	Lawrence Barry 032123
Reviewed By:	Pedro L. Rentas 032123

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	**Final Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium molybdate (Mo)	58142	112322	0.1000	300.0	0.084	1000	10001.4	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



Absolute Standards, Inc.
800-368-1131
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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 Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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 >>>

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

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

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

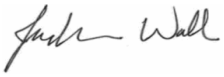
Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



INORGANIC VENTURES™
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Certificate of Analysis

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Christiansburg, VA 24073 USA
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F: 540-585-3012
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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

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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

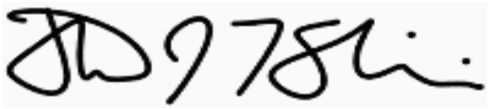
- Sealed TCT Bag Open Date: _____

- 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



Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	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

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$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

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- 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.

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- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

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10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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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

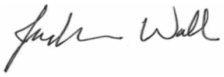
Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



R -> 013125

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

M 6171

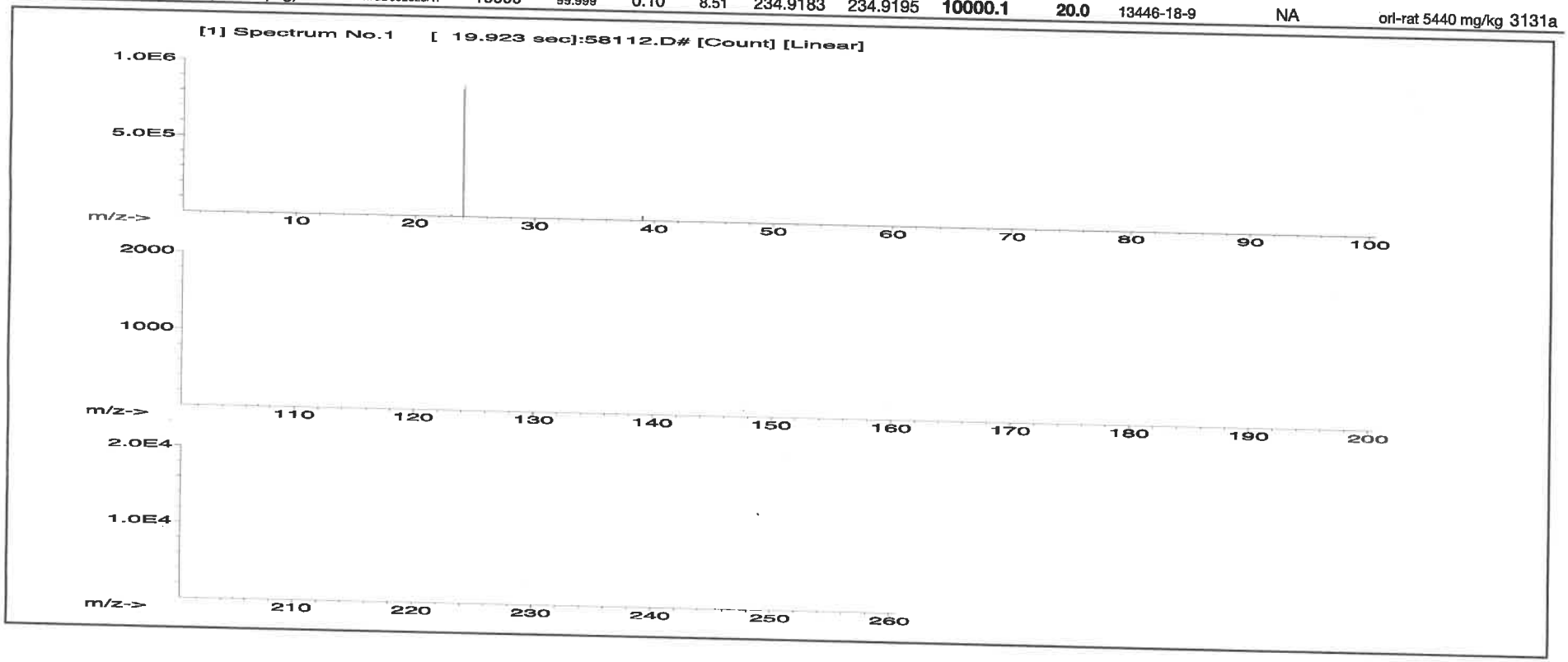
Part Number: 58112
Lot Number: 011525
Description: Magnesium (Mg)

Expiration Date: 011528
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.07

	Lot #		
Solvent:	24012496	Nitric Acid	
	2%	40.0 (mL)	Nitric Acid
	5E-05	Balance Uncertainty	
	0.100	Flask Uncertainty	

Formulated By:	Benson Chan	011525
Reviewed By:	Pedro L. Rentas	011525

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	234.9195	**10000.1**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



Revised
959 of 998
Q2842-METALS

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Certified Reference Material CRM

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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	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certificate of Analysis

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F: 540-585-3012
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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGNA10
Lot Number:	V2-NA740547
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Sodium
Starting Material:	Sodium Carbonate
Starting Material Lot#:	2453 and 2606
Starting Material Purity:	99.9976%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10018 ± 30 µg/mL

Density: 1.033 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10026 ± 18 µg/mL** Gravimetric NIST SRM Lot Number: See Sec. 4.2
Assay Method #2	**9986 ± 66 µg/mL** ICP Assay NIST SRM 3152a Lot Number: 200413
Assay Method #3	**10002 ± 31 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

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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 (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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$u_{char\ a}$ = 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	<	0.000860	M	Eu	<	0.000860	s	Na	<		O	Se	<	0.034000	O	Zn		0.000387
O	Al		0.003121	O	Fe		0.001622	M	Nb	<	0.000860	O	Si		0.044943	M	Zr	<	0.001800
M	As	<	0.001800	M	Ga	<	0.000860	M	Nd	<	0.000860	M	Sm	<	0.000860				
M	Au	<	0.005700	M	Gd	<	0.000860	O	Ni	<	0.000980	M	Sn	<	0.000860				
O	B	<	0.025000	M	Ge	<	0.003500	M	Os	<	0.029000	M	Sr		0.000436				
M	Ba		0.004494	M	Hf	<	0.000860	O	P		0.005742	M	Ta	<	0.000086				
O	Be	<	0.000160	M	Hg	<	0.002900	M	Pb	<	0.002600	M	Tb	<	0.000860				
M	Bi	<	0.000860	M	Ho	<	0.000860	M	Pd	<	0.004300	M	Te	<	0.004300				
O	Ca		0.112358	M	In	<	0.000860	M	Pr	<	0.000860	M	Th	<	0.003500				
O	Cd	<	0.000730	M	Ir	<	0.000940	M	Pt	<	0.000860	O	Ti		0.000399				
M	Ce	<	0.000860	O	K		0.349560	M	Rb		0.000436	M	Tl	<	0.000860				
M	Co	<	0.000860	M	La	<	0.000860	M	Re	<	0.000860	M	Tm	<	0.000860				
O	Cr	<	0.002000	O	Li		0.000224	M	Rh	<	0.000860	M	U	<	0.000860				
M	Cs		0.000287	M	Lu	<	0.000860	M	Ru	<	0.000940	O	V	<	0.001500				
O	Cu	<	0.004100	M	Mg		0.097377	O	S		0.018726	M	W	<	0.007700				
M	Dy	<	0.000860	M	Mn	<	0.007700	M	Sb	<	0.000860	M	Y	<	0.000860				
M	Er	<	0.000860	O	Mo	<	0.002800	O	Sc	<	0.000610	M	Yb	<	0.000860				

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 - 22.99 +1 (6) Na+(aq) largely ionic in nature

Chemical Compatibility -Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Stable with all metals and inorganic anions.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Na Containing Samples (Preparation and Solution) - Metal (Dissolves very rapidly in water); Ores (Lithium carbonate fusion in graphite crucible followed by HCl dissolution - blank levels of Na in lithium carbonate critical); Organic Matrices (Sulfuric / peroxide digestion or nitric/sulfuric/perchloric acid decomposition).

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 23 amu	310 ppt	n/a	46Ti+2 , 46Ca+2
ICP-OES 330.237 nm	2.0 / 0.09 µg/mL	1	Pd, Zn
ICP-OES 588.995 nm	0.03 / 0.006 µg/mL	1	2nd order radiation from R.E.s on some optical designs
ICP-OES 589.595 nm	0.07 / 0.00009 µg/mL	1	2nd order radiation from R.E.s on some optical designs

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

February 23, 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

- February 23, 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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Certificate of Analysis

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R→ 11/27/25

M6175

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:	V2-MEB742014
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	20.02 ± 0.08 µg/mL	Antimony, Sb	20.03 ± 0.11 µg/mL
Arsenic, As	20.03 ± 0.16 µg/mL	Barium, Ba	20.02 ± 0.11 µg/mL
Beryllium, Be	20.02 ± 0.15 µg/mL	Cadmium, Cd	20.02 ± 0.11 µg/mL
Calcium, Ca	20.03 ± 0.09 µg/mL	Chromium, Cr	20.03 ± 0.13 µg/mL
Cobalt, Co	20.03 ± 0.12 µg/mL	Copper, Cu	20.03 ± 0.10 µg/mL
Iron, Fe	20.04 ± 0.09 µg/mL	Lead, Pb	20.03 ± 0.11 µg/mL
Magnesium, Mg	20.03 ± 0.10 µg/mL	Manganese, Mn	20.03 ± 0.11 µg/mL
Nickel, Ni	20.03 ± 0.11 µg/mL	Potassium, K	20.03 ± 0.10 µg/mL
Selenium, Se	20.03 ± 0.13 µg/mL	Silver, Ag	20.03 ± 0.09 µg/mL
Sodium, Na	20.03 ± 0.10 µg/mL	Thallium, Tl	20.03 ± 0.10 µg/mL
Vanadium, V	20.03 ± 0.11 µg/mL	Zinc, Zn	20.03 ± 0.11 µg/mL

Density: 1.027 g/mL (measured at 20 ± 4 °C)

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
As	Calculated		See Sec. 4.2
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
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
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215
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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

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.

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

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 11, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 11, 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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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised

CERTIFIED WEIGHT REPORT:

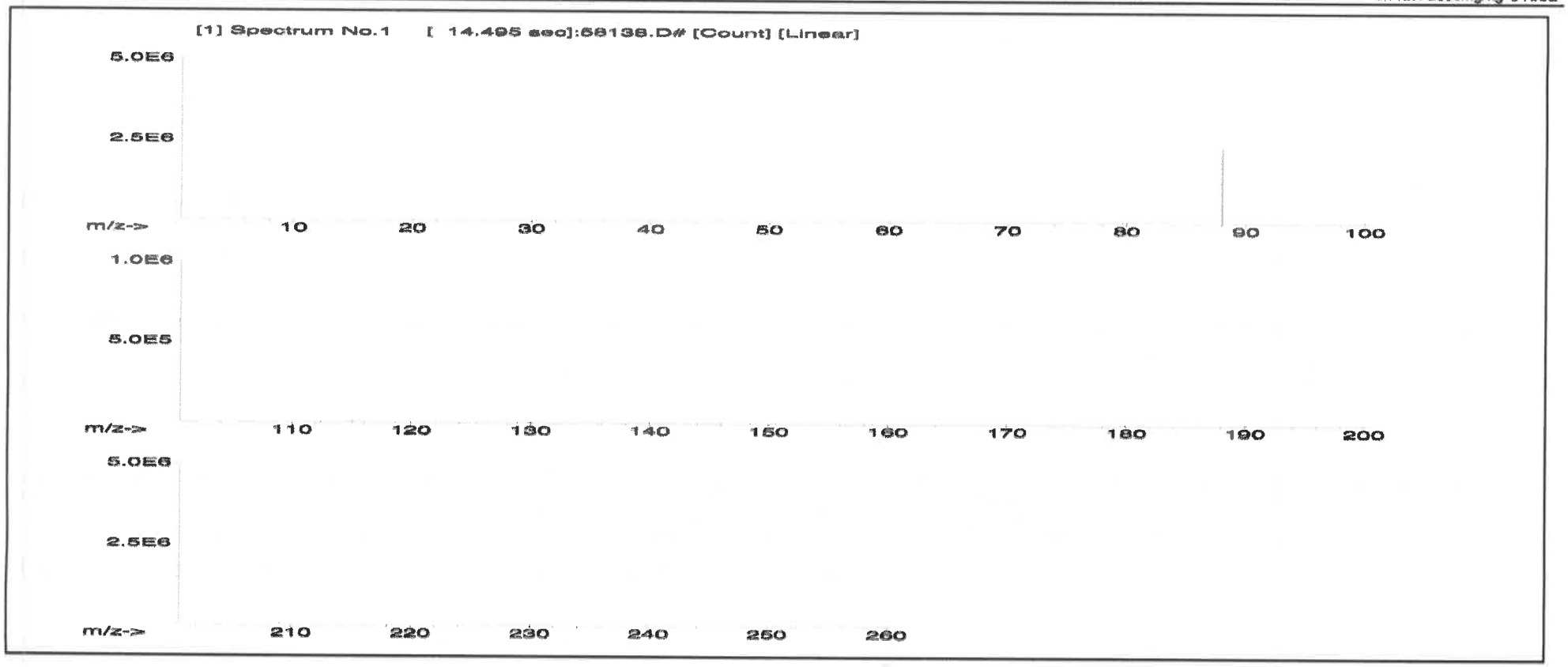
R->8/6/25

M6176

Part Number:	**57038**		**Lot #**		
Lot Number:	**092724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	092727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Formulated By:	Benson Chan	092724
Reviewed By:	Pedro L. Rentas	092724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85481	**1000.0**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



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Certified Reference Material CRM

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Revised

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT:

R>8/6/28
M6178

Part Number:	**57082**		**Lot #**		
Lot Number:	**031525**	**Solvent:**	24014457	Nitric Acid	
Description:	**Lead (Pb)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	031528				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.10	Flask Uncertainty		

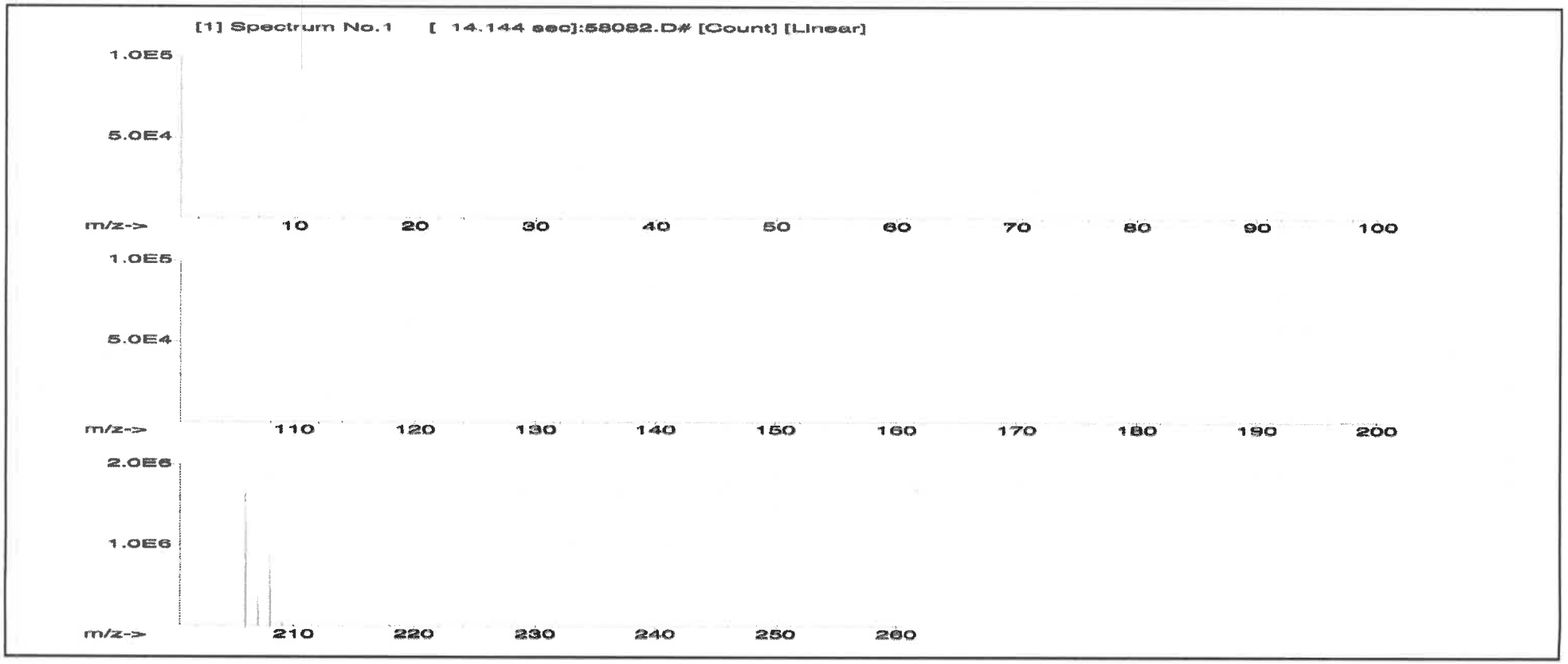
Giovanni Esposito

Formulated By:	Giovanni Esposito	031525

Pedro Rentas

Reviewed By:	Pedro L. Rentas	031525

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	1000	99.999	0.10	62.5	3.20015	3.20067	**1000.2**	**2.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com
Revised

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	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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:

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

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.

M6185 ICSA

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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Certified Reference Material CRM

M6027

R1 8/05/24

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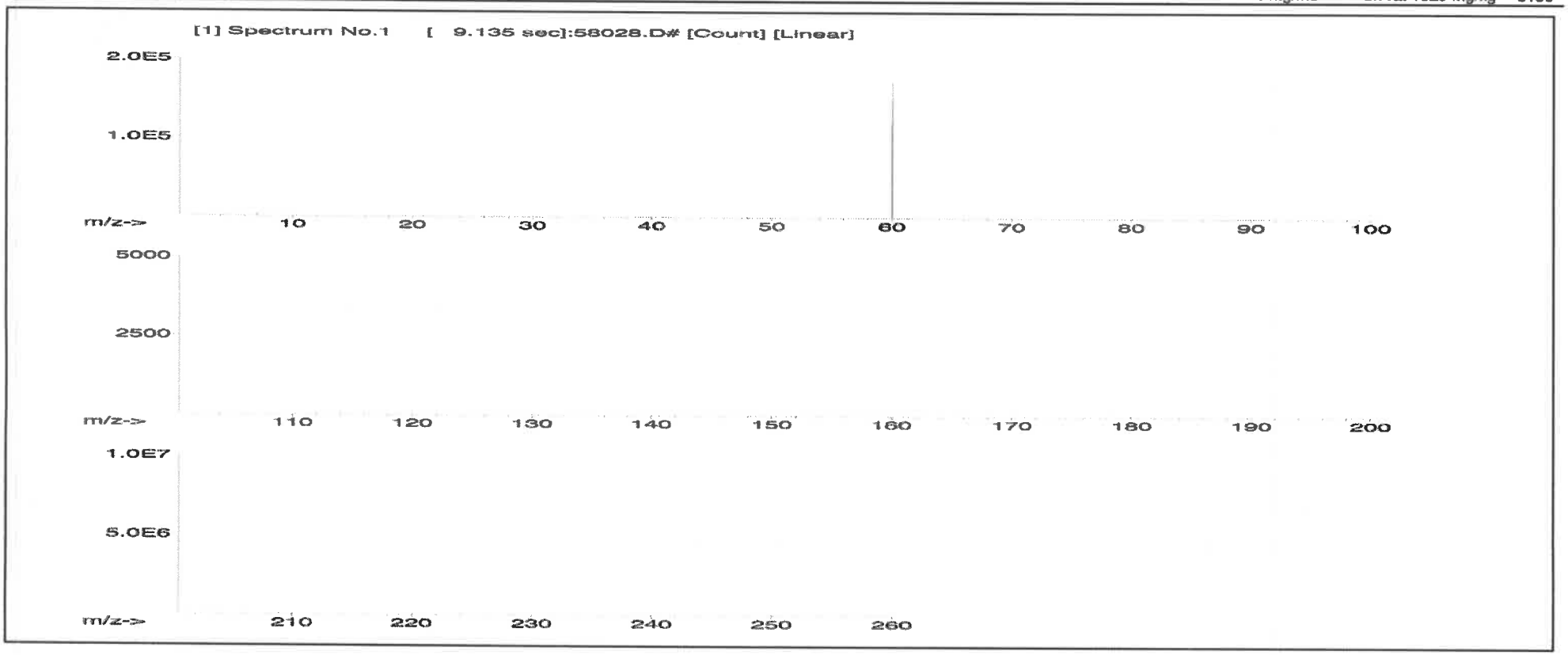
CERTIFIED WEIGHT REPORT:

Part Number:	**57028**
Lot Number:	**062024**
Description:	**Nickel (Ni)**
Expiration Date:	062027
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	**1000**
NIST Test Number:	6UTB
Volume shown below was diluted to (mL):	2000.07

Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.100	Flask Uncertainty	

Formulated **By:**	Benson Chan	062024
Reviewed By:	Pedro L. Rentas	062024

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. Nickel(II) nitrate hexahydrate (Ni)	58128	062023	0.1000	200.0	0.084	1000	10000.4	**1000.0**	2.2	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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M6030

R: 8/5/24

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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

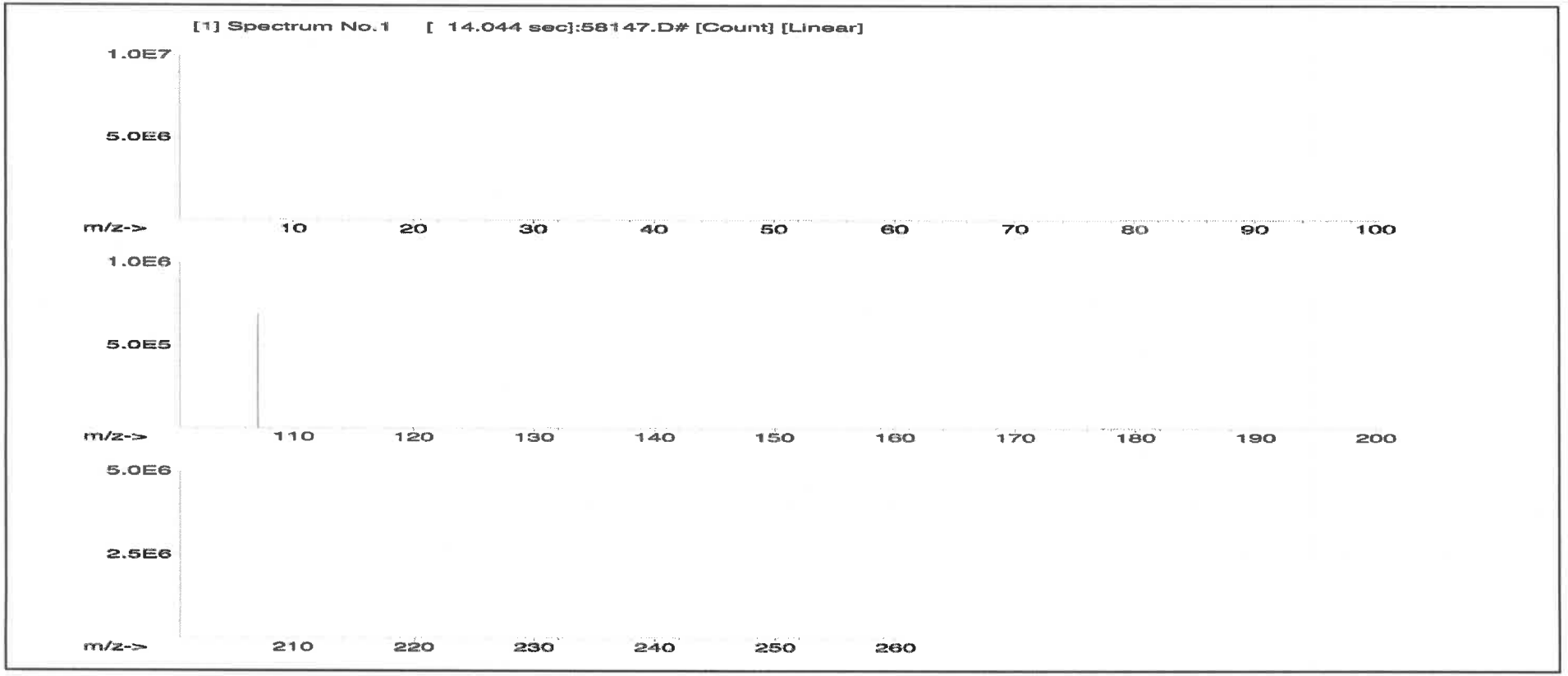
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

	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



Q2842-METALS

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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.
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R: 10/18/24

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CERTIFIED WEIGHT REPORT:

MG146

		Lot #	Solvent:	
Part Number:	**57051**	24002546	Nitric Acid	
Lot Number:	**071724**			
Description:	**Antimony (Sb)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071727			
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):	2000.26	0.058	Flask Uncertainty	

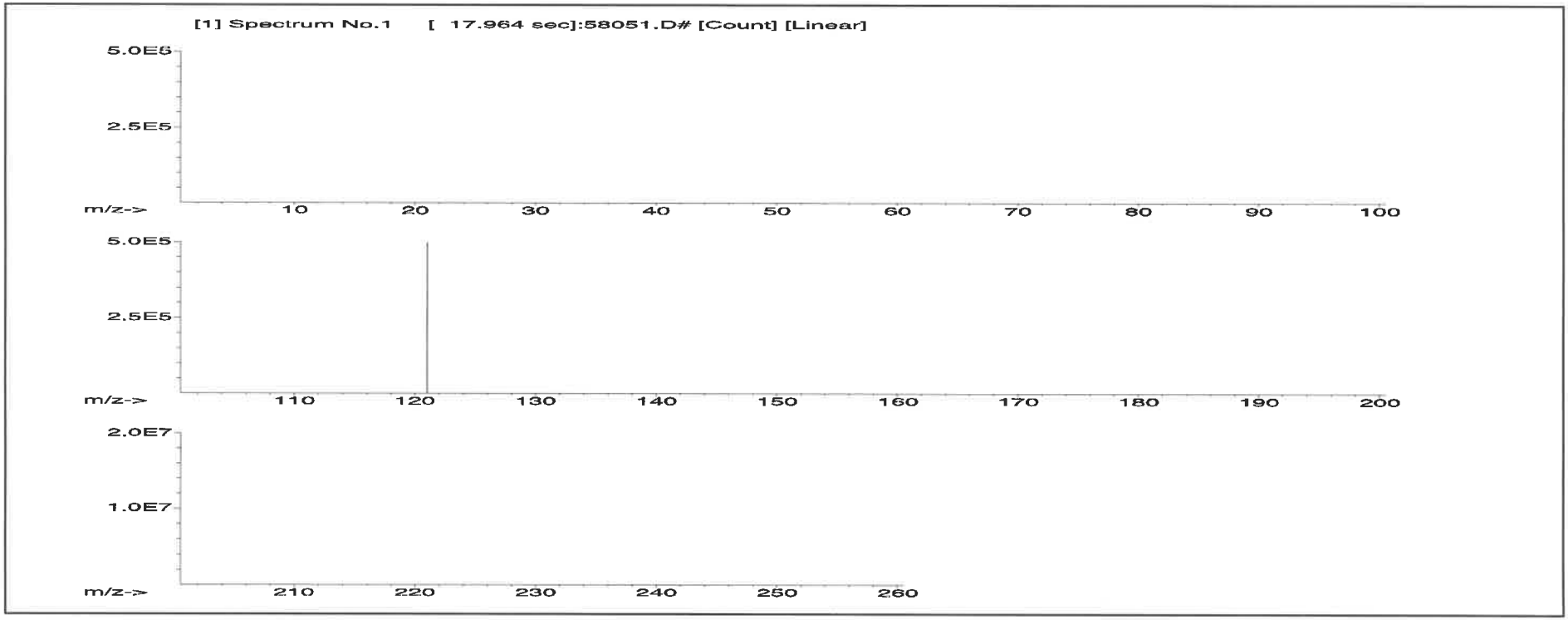
Giovanni Esposito

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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Q2842-METALS

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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.
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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

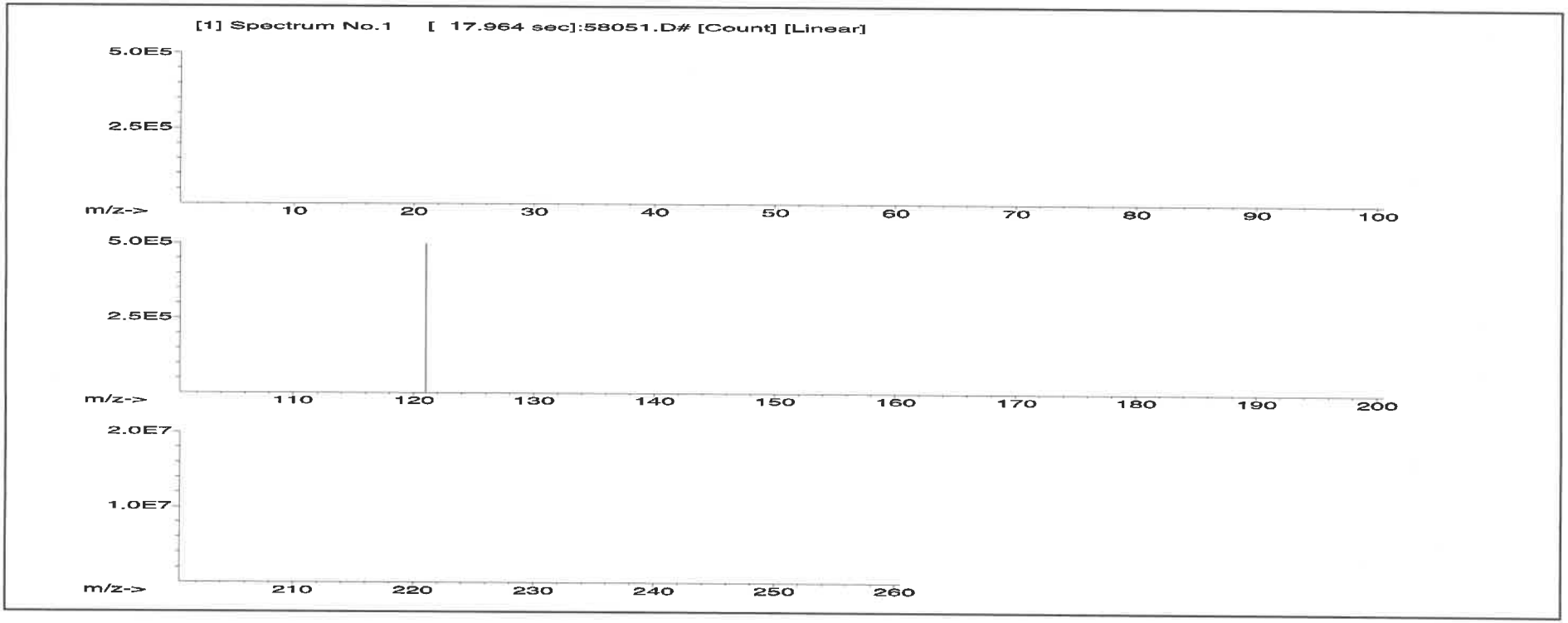
Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	40.0 (mL)	Nitric Acid	

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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6023

R ! 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

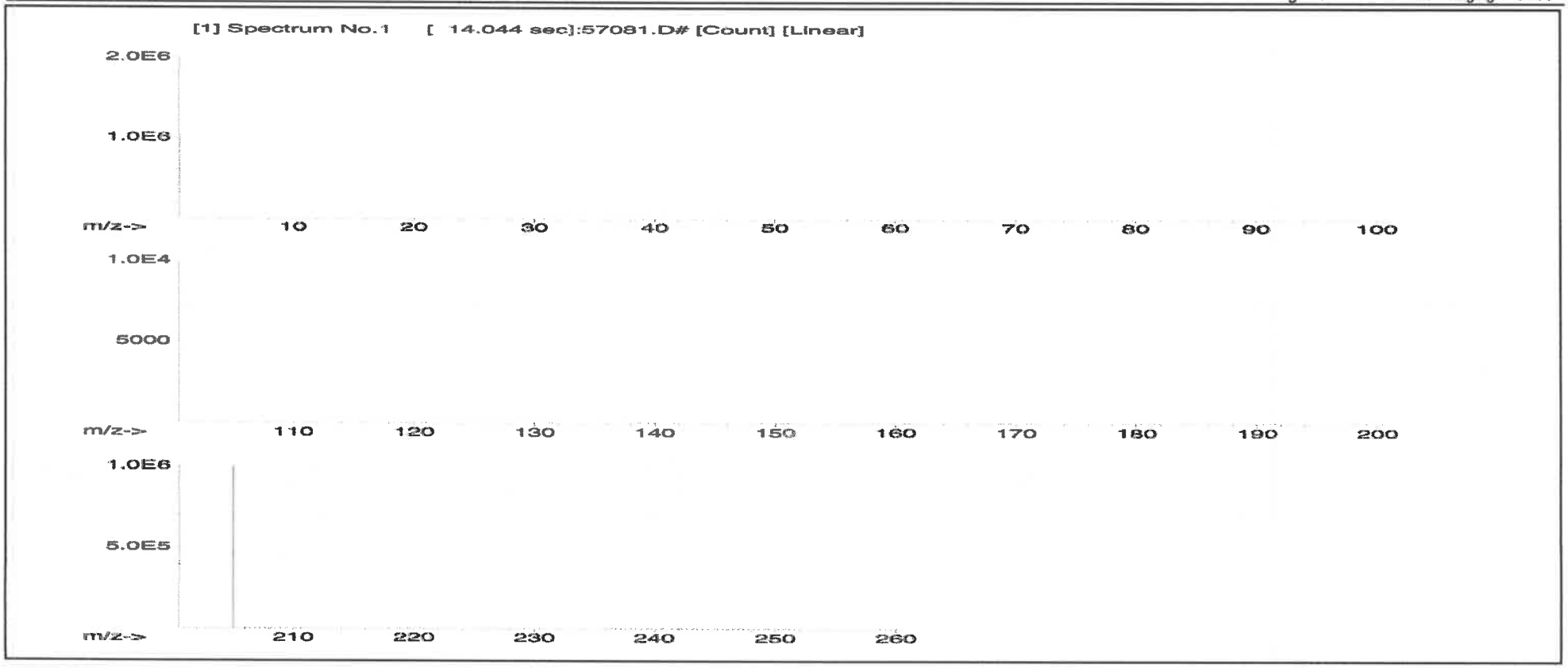
CERTIFIED WEIGHT REPORT:

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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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	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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M6021

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Revised

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		

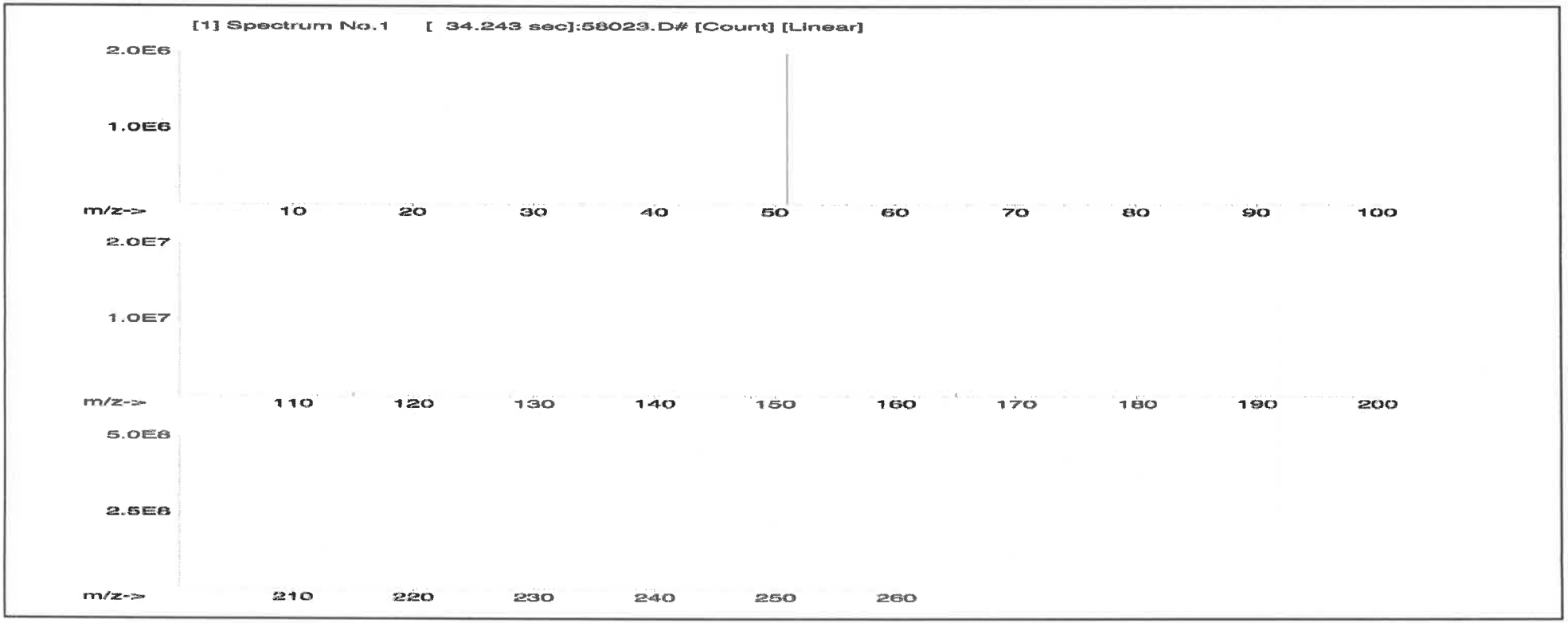
Aleah O'Brady

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



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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	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

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Homogeneity: No heterogeneity was observed in the preparation of this standard.

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SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q 2842
QUOTE NO.
COC Number 2045376

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Ynfante John.Ynfante@jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D386822 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1 Site Specific VOCs (SW846 8260D-Low)
2 1,4 Dioxane (SW846 8270E-SIM)
3 Total (SW846 6020B) and Dissolved (SW846 6020B) Manganese (Field Filtered)
4 Alkalinity (SM 2320B)
5 TDS (SM 2540C)
6 Anions (EPA 300.0)
7 Trace VOCs (SW846 8260D)

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1 N/E	PRES 2 E	PRES 3 B/E	PRES 4 E	PRES 5 E	PRES 6 E	PRES 7 E	PRES 8 A/E	PRES 9	COMMENTS
1.	RMW-03B-90.4-081225	GW		✓	8/12/25	1230	6	✓	✓					✓			
2.	~~RMW-04X~~ RMW-02B-66.3-081225	GW		✓	8/12/25	1530	5	✓	✓								
3.	MW-17B-55.5-081225	GW		✓	8/12/25	1154	27	✓	✓	✓	✓	✓	✓	✓			MS/MSD
4.	MW-06-6.5-081225	GW		✓	8/12/25	1530	2		✓								
5.	MW-17B-55.5-081225-SIM	GW		✓	8/12/25	1154	3								✓		
6.	TB01-081225	DI		✓	8/12/25	1600	2	✓									
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/12/25 1700	1. 8.12.25 1700
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 8.12.25 1822	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
Comments: See work order for list of site specific VOCs
Dissolved Iron is field filtered

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright 2024

From: Yazmeen Gomez
Sent: Thursday, August 14, 2025 10:30 AM
To: Ynfante, John; Sohil Jodhani
Cc: Mohammad Ahmed
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.
Attachments: quant2841.pdf; quant2842.pdf

John,

The lab informed me –

Q2841- 42 sample screened with 8260 method as they are usually highly contaminated samples for Trichloroethene

Q2841-01 (MW-06-6.5-08122025) at 200x

Q2842-07(MW-17B-55.5-081225-SIM) 200x

Sample can be analyzed with 8260 under low dilution

Sim analysis is not possible as it may contaminate instrument

Please see attached.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Wednesday, August 13, 2025 3:23 PM
To: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Nimisha Pandya <Nimisha.Pandya@AllianceTG.com>
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

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Secured by Check Point

Thanks Sohil

From: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Sent: Wednesday, August 13, 2025 1:23 PM
To: Ynfante, John <John.Ynfante@jacobs.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Nimisha Pandya <Nimisha.Pandya@AllianceTG.com>
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

Hi John,

Sample IDs are updated as per below request. Lab will notify you if in case VOC-SIM (for Vinyl chloride) is not required for the samples based on low level VOA analysis.

Thanks & Regards,

Alliance TECHNICAL GROUP 25
There's a better way.

Sohil Jodhani (he/him/his)
QA/QC Director
Alliance Technical Group, LLC-Newark
Main: 908-789-8900
Direct: 908-728-3152
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com AST AEM AAS

From: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Sent: Wednesday, August 13, 2025 2:10 PM
To: Ynfante, John <John.Ynfante@jacobs.com>; Data-EWR <Data-EWR@alliancetg.com>; Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Cc: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Subject: Re: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

Hi John,
yaz is our of the office today , but i will coordinate with lab to make sure we communicate with you and run these analysis accordingly

Alliance TECHNICAL GROUP 25
There's a better way.

Mohammad Ahmed
Laboratory Director
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3151
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Wednesday, August 13, 2025 2:01 PM
To: Data-EWR <Data-EWR@alliancetg.com>; Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

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Secured by Check Point

Yazmeen,

A couple of comments on this Princeton login for Q2842:

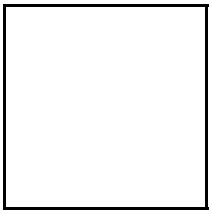
1. I assume your SFAM-SIM method for VOCs can still only report vinyl chloride out of our project list of VOCs – if that is the case then note that sample Q2842-07 (MW-17B-55.5-081225-SIM) and any other SFAM-SIM samples only need to be analyzed if their corresponding 8260D-Low analysis shows the vinyl chloride to be non-detect and of course if the lab is able to analyze them by SIM. I know up to this point the lab has said the concentrations have been too high in the SIM samples to even run the SFAM-SIM on so let me know how it looks on those after your analysts run the regular VOCs run on them.

2. The date part of the sample IDs should have used a MMDD**YY** format, not MMDD**YYYY** as is listed on the chain. Please change the "2025" bit to just "25" on all these sample IDs. For example, "RMW-03B-90.4-08122025" should be changed to "RMW-03B-90.4-081225", etc.

Thanks

- John Y.

From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>
Sent: Wednesday, August 13, 2025 9:38 AM
To: Ongjoco, Alec <Alec.Ongjoco@jacobs.com>; Dillon, Alexa <Alexa.Dillon@jacobs.com>; Lader, Chelsea <Chelsea.Lader@jacobs.com>; Holmes, Daniel <Daniel.Holmes@jacobs.com>; Reamer, David <David.Reamer@jacobs.com>; Ynfante, John <John.Ynfante@jacobs.com>; Murphy, Mary <Mary.Murphy@jacobs.com>; Warren, Melissa <Melissa.Warren@jacobs.com>; Asher, Sarah <Sarah.Asher@jacobs.com>
Cc: yazmeen.gomez@alliancetg.com
Subject: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.



To John Ynfante;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID	: Q2842
Project ID	: Former Schlumberger STC PTC Site D3868221
Download File	: https://chemtech.net/secureLogin.aspx
Order Date	: 8/13/2025 8:34:00 AM

Alliance's Project Manager	: YAZMEEN GOMEZ , yazmeen.gomez@alliancetg.com , 908-728-3147
Alliance's Sales Executive	: Jordan Hedvat , jordan.hedvat@alliancetg.com , 908-728-3144

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey http://chemtech.net/ClientSurvey.aspx .

Thank you,

Alliance Technical Group LLC.

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2842 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 8/13/2025 8:34:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 8/12/2025 6:22:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : Level 34
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 8/13/2025 10:38:03 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2842-01	RMW-03B-90.4-081225	Water	08/12/2025	12:30					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-02	RMW-02B-66.3-081225	Water	08/12/2025	15:30					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-03	MW-17B-55.5-081225	Water	08/12/2025	11:54					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-04	Q2842-03MS	Water	08/12/2025	11:54					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-05	Q2842-03MSD	Water	08/12/2025	11:54					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-08	TB01-081225	Water	08/12/2025	16:00					
					VOCMS Group3		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2842 JACO05	**Order Date :**	8/13/2025 8:34:00 AM	**Project Mgr :**	Deepak
Client Name :	JACOBS Engineering Grou	**Project Name :**	Former Schlumberger STC	**Report Type :**	Level ~~3~~ 4
Client Contact :	John Ynfante	**Receive DateTime :**	8/12/2025 6:22:00 PM	**EDD Type :**	CH2MHILL
Invoice Name :	JACOBS Engineering Grou	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	John Ynfante			**Date Signoff :**	8/13/2025 10:38:03 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 8/13/25 09:15

Received By : _____
Date / Time : 08/13/25 09:15
Storage Area : **VOA Refridgerator Room**