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

DATA PACKAGE

METALS

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3376

ATTENTION : Rob Forstner

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3376

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number	Client Sample Number
Q3376-01	PR132-S05-057082-20251016
Q3376-02	PR132-DP01-20251016
Q3376-03	PR132-COMP2-20251016
Q3376-04	PR132-S12-047072-20251016
Q3376-05	PR132-S12-020047-20251016
Q3376-07	PR132-FB01-20251016

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

Signature : _____

Date: 10/31/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3376
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/16/2025.
1 Water sample was received on 10/16/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury,Metals ICP-TAL. This data package contains results for Mercury,Metals ICP-TAL.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6020B, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
Sample PR132-S05-057082-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-DP01-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-COMP2-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-S12-047072-20251016 was diluted due to high concentrations for Chromium,Mercury & Sample PR132-S12-020047-20251016 was diluted due to high concentrations for Mercury.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (PR132-S12-020047-20251016MS) analysis met criteria for all compounds except for Lead, Silver due to matrix interferences.
The Matrix Spike Duplicate (PR132-S12-020047-20251016MSD) analysis met criteria for all compounds except for Lead, Silver due to matrix interferences.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all compounds.

E. Additional Comments:

The Post Digest Spike (PR132-S12-020047-20251016A) analysis met criteria for all compounds except for Silver and Lead 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.

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

Signature_____

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3376 MATRIX: Solid

METHOD: 6020B,7471B

		NA	NO	YES
1.	Calibration Summary met criteria.			✓
2.	ICP Interference Check Sample Results Summary Submitted.			✓
3.	Serial Dilution Summary (if applicable) Submitted.			✓
	The Serial Dilution met criteria for all compounds.			
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 (PR132-S12-020047-20251016MS) analysis met criteria for all compounds except for Lead, Silver due to matrix interferences. The Matrix Spike Duplicate (PR132-S12-020047-20251016MSD) analysis met criteria for all compounds except for Lead, Silver due to matrix interferences.			
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: The Post Digest Spike (PR132-S12-020047-20251016A) analysis met criteria for all compounds except for Silver and Lead 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.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3376

	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:** 10/31/2025

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LAB CHRONICLE

OrderID:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60699795 [illegible]
Contact:	Rob Forstner	**Location:**	[illegible]Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			Mercury	7471B		10/20/25	10/22/25	
			Metals ICP-TAL	6020B		10/20/25	10/22/25	
Q3376-07	**PR132-FB01-20251016**	**Water**			**10/16/25**			**10/16/25**
			Mercury	7470A		10/20/25	10/20/25	
			Metals ICP-TAL	6010D		10/21/25	10/21/25	

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-057082-20251016								
Q3376-01	PR132-S05-057082-20251016	SOIL	Aluminum	10100		0.56	3.12	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Antimony	0.28	J	0.070	0.31	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Arsenic	42.0		0.019	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Barium	282		0.051	1.56	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Beryllium	0.77		0.050	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Cadmium	8.61		0.028	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Calcium	5060		7.46	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Chromium	351	D	0.20	1.56	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Cobalt	9.69		0.014	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Copper	371		0.10	0.31	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Iron	28400		1.43	7.79	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Lead	456		0.050	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Magnesium	6320		3.01	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Manganese	250		0.053	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Nickel	52.6		0.067	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Mercury	6.30	D	0.13	0.23	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Potassium	2250		5.98	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Selenium	2.46		0.44	0.78	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Silver	6.19		0.040	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Sodium	5870		10.9	77.9	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Thallium	0.41		0.022	0.16	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Vanadium	41.3		0.017	0.78	mg/Kg
Q3376-01	PR132-S05-057082-20251016	SOIL	Zinc	535		0.14	0.78	mg/Kg
Client ID : PR132-DP01-20251016								
Q3376-02	PR132-DP01-20251016	SOIL	Aluminum	10700		0.60	3.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Antimony	0.28	J	0.075	0.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Arsenic	34.6		0.020	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Barium	270		0.055	1.67	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Beryllium	0.84		0.053	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Cadmium	7.63		0.030	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Calcium	3690		7.98	83.3	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Chromium	320	D	0.22	1.67	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Cobalt	9.61		0.015	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Copper	347		0.11	0.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Iron	27700		1.53	8.33	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Lead	499		0.053	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Magnesium	6360		3.21	83.3	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3376-02	PR132-DP01-20251016	SOIL	Manganese	252		0.057	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Nickel	52.2		0.072	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Mercury	25.8	D	0.56	1.00	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Potassium	2370		6.40	83.3	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Selenium	2.56		0.47	0.83	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Silver	6.61		0.043	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Sodium	6390		11.7	83.3	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Thallium	0.41		0.023	0.17	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Vanadium	41.8		0.018	0.83	mg/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Zinc	551		0.15	0.83	mg/Kg
Client ID :	**PR132-COMP2-20251016**							
Q3376-03	PR132-COMP2-20251016	SOIL	Aluminum	14100		0.59	3.27	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Antimony	0.25	J	0.074	0.33	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Arsenic	66.5		0.020	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Barium	459		0.054	1.64	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Beryllium	1.14		0.052	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Cadmium	12.8		0.029	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Calcium	6460		7.84	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Chromium	341	D	0.21	1.64	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Cobalt	12.6		0.015	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Copper	422		0.11	0.33	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Iron	35800		1.50	8.18	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Lead	474		0.052	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Magnesium	7840		3.16	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Manganese	402		0.056	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Nickel	53.6		0.070	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Mercury	4.61	D	0.13	0.23	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Potassium	3110		6.28	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Selenium	3.31		0.46	0.82	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Silver	5.76		0.043	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Sodium	7470		11.5	81.8	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Thallium	0.50		0.023	0.16	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Vanadium	51.8		0.018	0.82	mg/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Zinc	576		0.15	0.82	mg/Kg
Client ID :	**PR132-S12-047072-20251016**							
Q3376-04	PR132-S12-047072-20251016	SOIL	Aluminum	13700		0.60	3.30	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Antimony	0.43		0.074	0.33	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Arsenic	45.0		0.020	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Barium	271		0.055	1.65	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3376 **Order ID:** Q3376

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3376-04	PR132-S12-047072-20251016	SOIL	Beryllium	1.12		0.053	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Cadmium	15.3		0.030	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Calcium	8480		7.91	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Chromium	532	D	0.22	1.65	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Cobalt	13.6		0.015	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Copper	495		0.11	0.33	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Iron	37400		1.52	8.26	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Lead	457		0.053	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Magnesium	8580		3.19	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Manganese	335		0.056	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Nickel	91.4		0.071	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Mercury	6.51	D	0.13	0.23	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Potassium	3180		6.34	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Selenium	2.49		0.46	0.83	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Silver	5.64		0.043	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Sodium	10200		11.6	82.6	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Thallium	0.43		0.023	0.17	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Vanadium	88.2		0.018	0.83	mg/Kg
Q3376-04	PR132-S12-047072-20251016	SOIL	Zinc	700		0.15	0.83	mg/Kg
Client ID :	**PR132-S12-020047-20251016**							
Q3376-05	PR132-S12-020047-20251016	SOIL	Aluminum	6330		0.45	2.50	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Antimony	0.080	J	0.056	0.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Arsenic	7.86		0.015	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Barium	52.4		0.041	1.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Beryllium	0.74		0.040	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Cadmium	1.03		0.022	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Calcium	4870		5.98	62.4	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Chromium	49.4		0.032	0.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Cobalt	8.16		0.011	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Copper	103		0.081	0.25	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Iron	17500		1.15	6.24	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Lead	235		0.040	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Magnesium	7170		2.41	62.4	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Manganese	199		0.042	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Nickel	56.0		0.054	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Mercury	5.14	D	0.097	0.18	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Potassium	1500		4.79	62.4	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Selenium	0.59	J	0.35	0.62	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Silver	1.80		0.032	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Sodium	4580		8.76	62.4	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.:	Q3376	**Order ID:**	Q3376
Client:	AECOM	**Project ID:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3376-05	PR132-S12-020047-20251016	SOIL	Thallium	0.22		0.017	0.13	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Vanadium	20.6		0.014	0.62	mg/Kg
Q3376-05	PR132-S12-020047-20251016	SOIL	Zinc	259		0.11	0.62	mg/Kg

SAMPLE DATA

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	53.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10100		1	0.56	3.12	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-36-0	Antimony	0.28	J	1	0.070	0.31	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-38-2	Arsenic	42.0		1	0.019	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-39-3	Barium	282		1	0.051	1.56	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-41-7	Beryllium	0.77		1	0.050	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-43-9	Cadmium	8.61		1	0.028	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-70-2	Calcium	5060		1	7.46	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-47-3	Chromium	351	D	5	0.20	1.56	mg/Kg	10/20/25 11:50	10/22/25 20:00	6020B	SW3050
7440-48-4	Cobalt	9.69		1	0.014	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-50-8	Copper	371		1	0.10	0.31	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-89-6	Iron	28400		1	1.43	7.79	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-92-1	Lead	456	N	1	0.050	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-95-4	Magnesium	6320		1	3.01	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-96-5	Manganese	250		1	0.053	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7439-97-6	Mercury	6.30	D	10	0.13	0.23	mg/Kg	10/20/25 09:30	10/22/25 14:31	7471B	7471B
7440-02-0	Nickel	52.6		1	0.067	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-09-7	Potassium	2250		1	5.98	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7782-49-2	Selenium	2.46		1	0.44	0.78	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-22-4	Silver	6.19	N	1	0.040	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-23-5	Sodium	5870		1	10.9	77.9	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-28-0	Thallium	0.41		1	0.022	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-62-2	Vanadium	41.3		1	0.017	0.78	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050
7440-66-6	Zinc	535		1	0.14	0.78	mg/Kg	10/20/25 11:50	10/22/25 16:06	6020B	SW3050

U = Not Detected
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Q = indicates LCS control criteria did not meet requirements

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OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	53.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10700		1	0.60	3.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-36-0	Antimony	0.28	J	1	0.075	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-38-2	Arsenic	34.6		1	0.020	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-39-3	Barium	270		1	0.055	1.67	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-41-7	Beryllium	0.84		1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-43-9	Cadmium	7.63		1	0.030	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-70-2	Calcium	3690		1	7.98	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-47-3	Chromium	320	D	5	0.22	1.67	mg/Kg	10/20/25 11:50	10/22/25 20:03	6020B	SW3050
7440-48-4	Cobalt	9.61		1	0.015	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-50-8	Copper	347		1	0.11	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-89-6	Iron	27700		1	1.53	8.33	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-92-1	Lead	499	N	1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-95-4	Magnesium	6360		1	3.21	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-96-5	Manganese	252		1	0.057	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7439-97-6	Mercury	25.8	D	10	0.56	1.00	mg/Kg	10/20/25 09:30	10/22/25 14:33	7471B	7471B
7440-02-0	Nickel	52.2		1	0.072	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-09-7	Potassium	2370		1	6.40	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7782-49-2	Selenium	2.56		1	0.47	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-22-4	Silver	6.61	N	1	0.043	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-23-5	Sodium	6390		1	11.7	83.3	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-28-0	Thallium	0.41		1	0.023	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-62-2	Vanadium	41.8		1	0.018	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050
7440-66-6	Zinc	551		1	0.15	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:09	6020B	SW3050

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OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	52.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	14100		1	0.59	3.27	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-36-0	Antimony	0.25	J	1	0.074	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-38-2	Arsenic	66.5		1	0.020	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-39-3	Barium	459		1	0.054	1.64	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-41-7	Beryllium	1.14		1	0.052	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-43-9	Cadmium	12.8		1	0.029	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-70-2	Calcium	6460		1	7.84	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-47-3	Chromium	341	D	5	0.21	1.64	mg/Kg	10/20/25 11:50	10/22/25 20:06	6020B	SW3050
7440-48-4	Cobalt	12.6		1	0.015	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-50-8	Copper	422		1	0.11	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-89-6	Iron	35800		1	1.50	8.18	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-92-1	Lead	474	N	1	0.052	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-95-4	Magnesium	7840		1	3.16	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-96-5	Manganese	402		1	0.056	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7439-97-6	Mercury	4.61	D	10	0.13	0.23	mg/Kg	10/20/25 09:30	10/22/25 14:36	7471B	7471B
7440-02-0	Nickel	53.6		1	0.070	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-09-7	Potassium	3110		1	6.28	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7782-49-2	Selenium	3.31		1	0.46	0.82	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-22-4	Silver	5.76	N	1	0.043	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-23-5	Sodium	7470		1	11.5	81.8	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-28-0	Thallium	0.50		1	0.023	0.16	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-62-2	Vanadium	51.8		1	0.018	0.82	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050
7440-66-6	Zinc	576		1	0.15	0.82	mg/Kg	10/20/25 11:50	10/22/25 16:13	6020B	SW3050

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	51.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13700		1	0.60	3.30	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-36-0	Antimony	0.43		1	0.074	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-38-2	Arsenic	45.0		1	0.020	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-39-3	Barium	271		1	0.055	1.65	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-41-7	Beryllium	1.12		1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-43-9	Cadmium	15.3		1	0.030	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-70-2	Calcium	8480		1	7.91	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-47-3	Chromium	532	D	5	0.22	1.65	mg/Kg	10/20/25 11:50	10/22/25 20:09	6020B	SW3050
7440-48-4	Cobalt	13.6		1	0.015	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-50-8	Copper	495		1	0.11	0.33	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-89-6	Iron	37400		1	1.52	8.26	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-92-1	Lead	457	N	1	0.053	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-95-4	Magnesium	8580		1	3.19	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-96-5	Manganese	335		1	0.056	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7439-97-6	Mercury	6.51	D	10	0.13	0.23	mg/Kg	10/20/25 09:30	10/22/25 14:39	7471B	7471B
7440-02-0	Nickel	91.4		1	0.071	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-09-7	Potassium	3180		1	6.34	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7782-49-2	Selenium	2.49		1	0.46	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-22-4	Silver	5.64	N	1	0.043	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-23-5	Sodium	10200		1	11.6	82.6	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-28-0	Thallium	0.43		1	0.023	0.17	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-62-2	Vanadium	88.2		1	0.018	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050
7440-66-6	Zinc	700		1	0.15	0.83	mg/Kg	10/20/25 11:50	10/22/25 16:16	6020B	SW3050

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	66.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6330		1	0.45	2.50	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-36-0	Antimony	0.080	J	1	0.056	0.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-38-2	Arsenic	7.86		1	0.015	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-39-3	Barium	52.4		1	0.041	1.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-41-7	Beryllium	0.74		1	0.040	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-43-9	Cadmium	1.03		1	0.022	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-70-2	Calcium	4870		1	5.98	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-47-3	Chromium	49.4		1	0.032	0.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-48-4	Cobalt	8.16		1	0.011	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-50-8	Copper	103		1	0.081	0.25	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-89-6	Iron	17500		1	1.15	6.24	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-92-1	Lead	235	N	1	0.040	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-95-4	Magnesium	7170		1	2.41	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-96-5	Manganese	199		1	0.042	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7439-97-6	Mercury	5.14	D	10	0.097	0.18	mg/Kg	10/20/25 09:30	10/22/25 14:47	7471B	7471B
7440-02-0	Nickel	56.0		1	0.054	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-09-7	Potassium	1500		1	4.79	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7782-49-2	Selenium	0.59	J	1	0.35	0.62	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-22-4	Silver	1.80	N	1	0.032	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-23-5	Sodium	4580		1	8.76	62.4	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-28-0	Thallium	0.22		1	0.017	0.13	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-62-2	Vanadium	20.6		1	0.014	0.62	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050
7440-66-6	Zinc	259		1	0.11	0.62	mg/Kg	10/20/25 11:50	10/22/25 16:19	6020B	SW3050

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,
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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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
ICV79	Mercury	3.76	4.0	94	90 - 110	CV	10/20/2025	14:21	LB137584

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Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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
CCV57	Mercury	5.10	5.0	102	90 - 110	CV	10/20/2025	14:26	LB137584
CCV58	Mercury	4.95	5.0	99	90 - 110	CV	10/20/2025	15:05	LB137584
CCV59	Mercury	4.90	5.0	98	90 - 110	CV	10/20/2025	15:40	LB137584
CCV60	Mercury	4.94	5.0	99	90 - 110	CV	10/20/2025	16:17	LB137584
CCV61	Mercury	5.03	5.0	101	90 - 110	CV	10/21/2025	08:57	LB137584

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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
ICV83	Mercury	3.78	4.0	94	90 - 110	CV	10/22/2025	11:29	LB137610

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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
CCV71	Mercury	4.98	5.0	100	90 - 110	CV	10/22/2025	11:34	LB137610
CCV72	Mercury	4.71	5.0	94	90 - 110	CV	10/22/2025	12:14	LB137610
CCV73	Mercury	4.89	5.0	98	90 - 110	CV	10/22/2025	12:48	LB137610
CCV74	Mercury	5.24	5.0	105	90 - 110	CV	10/22/2025	13:23	LB137610
CCV75	Mercury	5.38	5.0	108	90 - 110	CV	10/22/2025	14:11	LB137610
CCV76	Mercury	5.22	5.0	104	90 - 110	CV	10/22/2025	14:42	LB137610
CCV77	Mercury	5.43	5.0	109	90 - 110	CV	10/22/2025	14:59	LB137610

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	1540	1600	96	90 - 110	P	10/22/2025	12:38	LB137619
	Antimony	422	400	106	90 - 110	P	10/22/2025	12:38	LB137619
	Arsenic	362	400	90	90 - 110	P	10/22/2025	12:38	LB137619
	Barium	1640	1600	103	90 - 110	P	10/22/2025	12:38	LB137619
	Beryllium	42.9	40.0	107	90 - 110	P	10/22/2025	12:38	LB137619
	Cadmium	215	200	107	90 - 110	P	10/22/2025	12:38	LB137619
	Calcium	4260	4000	106	90 - 110	P	10/22/2025	12:38	LB137619
	Chromium	160	160	100	90 - 110	P	10/22/2025	12:38	LB137619
	Cobalt	406	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Copper	189	200	95	90 - 110	P	10/22/2025	12:38	LB137619
	Iron	863	800	108	90 - 110	P	10/22/2025	12:38	LB137619
	Lead	383	400	96	90 - 110	P	10/22/2025	12:38	LB137619
	Magnesium	3720	4000	93	90 - 110	P	10/22/2025	12:38	LB137619
	Manganese	363	400	91	90 - 110	P	10/22/2025	12:38	LB137619
	Nickel	404	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Potassium	4110	4000	103	90 - 110	P	10/22/2025	12:38	LB137619
	Selenium	417	400	104	90 - 110	P	10/22/2025	12:38	LB137619
	Silver	213	200	106	90 - 110	P	10/22/2025	12:38	LB137619
	Sodium	4030	4000	101	90 - 110	P	10/22/2025	12:38	LB137619
	Thallium	389	400	97	90 - 110	P	10/22/2025	12:38	LB137619
	Vanadium	402	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Zinc	380	400	95	90 - 110	P	10/22/2025	12:38	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	20.7	20.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Antimony	2.09	2.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Arsenic	1.20	1.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Barium	9.64	10.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Beryllium	1.11	1.0	111	80 - 120	P	10/22/2025	13:12	LB137619
	Cadmium	0.81	1.0	81	80 - 120	P	10/22/2025	13:12	LB137619
	Calcium	528	500	106	80 - 120	P	10/22/2025	13:12	LB137619
	Chromium	1.93	2.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Cobalt	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Copper	1.95	2.0	98	80 - 120	P	10/22/2025	13:12	LB137619
	Iron	59.8	50.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Lead	0.82	1.0	82	80 - 120	P	10/22/2025	13:12	LB137619
	Magnesium	479	500	96	80 - 120	P	10/22/2025	13:12	LB137619
	Manganese	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Nickel	1.07	1.0	107	80 - 120	P	10/22/2025	13:12	LB137619
	Potassium	524	500	105	80 - 120	P	10/22/2025	13:12	LB137619
	Selenium	4.39	5.0	88	80 - 120	P	10/22/2025	13:12	LB137619
	Silver	1.10	1.0	110	80 - 120	P	10/22/2025	13:12	LB137619
	Sodium	492	500	98	80 - 120	P	10/22/2025	13:12	LB137619
	Thallium	0.95	1.0	95	80 - 120	P	10/22/2025	13:12	LB137619
	Vanadium	4.93	5.0	99	80 - 120	P	10/22/2025	13:12	LB137619
	Zinc	5.69	5.0	114	80 - 120	P	10/22/2025	13:12	LB137619

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	50200	50000	100	90 - 110	P	10/22/2025	13:27	LB137619
	Antimony	504	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Arsenic	491	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Barium	2490	2500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cadmium	482	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Calcium	241000	250000	96	90 - 110	P	10/22/2025	13:27	LB137619
	Chromium	489	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cobalt	499	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Copper	4850	5000	97	90 - 110	P	10/22/2025	13:27	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	13:27	LB137619
	Lead	2470	2500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Manganese	4970	5000	99	90 - 110	P	10/22/2025	13:27	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Selenium	460	500	92	90 - 110	P	10/22/2025	13:27	LB137619
	Silver	495	500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Thallium	502	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Vanadium	506	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Zinc	4780	5000	96	90 - 110	P	10/22/2025	13:27	LB137619
CCV02	Aluminum	50600	50000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Antimony	515	500	103	90 - 110	P	10/22/2025	14:11	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	14:11	LB137619
	Barium	2590	2500	104	90 - 110	P	10/22/2025	14:11	LB137619
	Beryllium	504	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Calcium	251000	250000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Cobalt	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:11	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	14:11	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	14:11	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	252000	250000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Manganese	5010	5000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Nickel	486	500	97	90 - 110	P	10/22/2025	14:11	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Selenium	469	500	94	90 - 110	P	10/22/2025	14:11	LB137619
	Silver	511	500	102	90 - 110	P	10/22/2025	14:11	LB137619
	Sodium	254000	250000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Thallium	527	500	106	90 - 110	P	10/22/2025	14:11	LB137619
	Vanadium	507	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Zinc	4770	5000	96	90 - 110	P	10/22/2025	14:11	LB137619
CCV03	Aluminum	49800	50000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Antimony	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Arsenic	493	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	14:54	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Cobalt	496	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:54	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	14:54	LB137619
	Lead	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Magnesium	254000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Manganese	5110	5000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Nickel	484	500	97	90 - 110	P	10/22/2025	14:54	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	14:54	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	14:54	LB137619
	Silver	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Sodium	251000	250000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Thallium	524	500	105	90 - 110	P	10/22/2025	14:54	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Zinc	4800	5000	96	90 - 110	P	10/22/2025	14:54	LB137619
CCV04	Aluminum	51200	50000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Antimony	514	500	103	90 - 110	P	10/22/2025	15:45	LB137619

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	493	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Barium	2560	2500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Calcium	257000	250000	103	90 - 110	P	10/22/2025	15:45	LB137619
	Chromium	505	500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	15:45	LB137619
	Iron	131000	125000	105	90 - 110	P	10/22/2025	15:45	LB137619
	Lead	2530	2500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Nickel	487	500	98	90 - 110	P	10/22/2025	15:45	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	15:45	LB137619
	Silver	513	500	103	90 - 110	P	10/22/2025	15:45	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Thallium	522	500	104	90 - 110	P	10/22/2025	15:45	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Zinc	4860	5000	97	90 - 110	P	10/22/2025	15:45	LB137619
CCV05	Aluminum	50100	50000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Antimony	513	500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Cadmium	493	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Calcium	248000	250000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Cobalt	498	500	100	90 - 110	P	10/22/2025	16:46	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Iron	131000	125000	104	90 - 110	P	10/22/2025	16:46	LB137619
	Lead	2580	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Magnesium	250000	250000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Manganese	4980	5000	100	90 - 110	P	10/22/2025	16:46	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	481	500	96	90 - 110	P	10/22/2025	16:46	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Selenium	473	500	95	90 - 110	P	10/22/2025	16:46	LB137619
	Silver	508	500	102	90 - 110	P	10/22/2025	16:46	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Thallium	518	500	104	90 - 110	P	10/22/2025	16:46	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	16:46	LB137619
	Zinc	4810	5000	96	90 - 110	P	10/22/2025	16:46	LB137619
CCV06	Aluminum	50300	50000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Antimony	490	500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Arsenic	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Barium	2460	2500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Beryllium	514	500	103	90 - 110	P	10/22/2025	17:59	LB137619
	Cadmium	468	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Calcium	255000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Cobalt	495	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Copper	4930	5000	99	90 - 110	P	10/22/2025	17:59	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	17:59	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Magnesium	256000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Manganese	5040	5000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	17:59	LB137619
	Potassium	125000	125000	100	90 - 110	P	10/22/2025	17:59	LB137619
	Selenium	470	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Silver	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Thallium	510	500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	17:59	LB137619
	Zinc	4870	5000	98	90 - 110	P	10/22/2025	17:59	LB137619
CCV07	Aluminum	49700	50000	99	90 - 110	P	10/22/2025	18:41	LB137619
	Antimony	505	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Arsenic	487	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Barium	2530	2500	101	90 - 110	P	10/22/2025	18:41	LB137619

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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
CCV07	Beryllium	504	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Cadmium	484	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	18:41	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	18:41	LB137619
	Iron	132000	125000	105	90 - 110	P	10/22/2025	18:41	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	18:41	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Manganese	5030	5000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Nickel	482	500	96	90 - 110	P	10/22/2025	18:41	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Selenium	467	500	93	90 - 110	P	10/22/2025	18:41	LB137619
	Silver	500	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Thallium	530	500	106	90 - 110	P	10/22/2025	18:41	LB137619
	Vanadium	502	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Zinc	4890	5000	98	90 - 110	P	10/22/2025	18:41	LB137619
CCV08	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	19:44	LB137619
	Antimony	512	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Arsenic	486	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Barium	2540	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Beryllium	513	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Cadmium	483	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Calcium	256000	250000	103	90 - 110	P	10/22/2025	19:44	LB137619
	Chromium	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Cobalt	508	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Copper	5120	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Iron	132000	125000	106	90 - 110	P	10/22/2025	19:44	LB137619
	Lead	2560	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Magnesium	255000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Nickel	492	500	98	90 - 110	P	10/22/2025	19:44	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	19:44	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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
CCV08	Selenium	473	500	95	90 - 110	P	10/22/2025	19:44	LB137619
	Silver	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Sodium	256000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Thallium	525	500	105	90 - 110	P	10/22/2025	19:44	LB137619
	Vanadium	510	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Zinc	4950	5000	99	90 - 110	P	10/22/2025	19:44	LB137619
CCV09	Aluminum	52600	50000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Antimony	536	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Arsenic	508	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Barium	2660	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Beryllium	534	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	20:28	LB137619
	Calcium	261000	250000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Chromium	521	500	104	90 - 110	P	10/22/2025	20:28	LB137619
	Cobalt	527	500	105	90 - 110	P	10/22/2025	20:28	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Iron	137000	125000	109	90 - 110	P	10/22/2025	20:28	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Magnesium	263000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Manganese	5330	5000	107	90 - 110	P	10/22/2025	20:28	LB137619
	Nickel	507	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Selenium	489	500	98	90 - 110	P	10/22/2025	20:28	LB137619
	Silver	530	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Sodium	262000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Thallium	542	500	108	90 - 110	P	10/22/2025	20:28	LB137619
	Vanadium	529	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Zinc	5160	5000	103	90 - 110	P	10/22/2025	20:28	LB137619
CCV10	Aluminum	50800	50000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Antimony	520	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Arsenic	496	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Barium	2600	2500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Beryllium	519	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Cadmium	492	500	98	90 - 110	P	10/22/2025	21:03	LB137619

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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
CCV10	Calcium	256000	250000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Chromium	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Cobalt	528	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	21:03	LB137619
	Iron	137000	125000	110	90 - 110	P	10/22/2025	21:03	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Magnesium	259000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Manganese	5280	5000	106	90 - 110	P	10/22/2025	21:03	LB137619
	Nickel	501	500	100	90 - 110	P	10/22/2025	21:03	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Selenium	495	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Silver	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Sodium	260000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Thallium	535	500	107	90 - 110	P	10/22/2025	21:03	LB137619
	Vanadium	527	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Zinc	5100	5000	102	90 - 110	P	10/22/2025	21:03	LB137619

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	95	70 - 130	CV	10/20/2025	14:35	LB137584
CRA	Mercury	0.17	0.2	86	70 - 130	CV	10/22/2025	11:39	LB137610
CRI01	Aluminum	20.9	20.0	105	70 - 130	P	10/22/2025	13:33	LB137619
	Antimony	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Arsenic	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Barium	9.63	10.0	96	70 - 130	P	10/22/2025	13:33	LB137619
	Beryllium	1.08	1.0	108	70 - 130	P	10/22/2025	13:33	LB137619
	Cadmium	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Calcium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Chromium	1.99	2.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Cobalt	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Copper	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Iron	60.0	50.0	120	70 - 130	P	10/22/2025	13:33	LB137619
	Lead	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Magnesium	489	500	98	70 - 130	P	10/22/2025	13:33	LB137619
	Manganese	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Nickel	1.13	1.0	113	70 - 130	P	10/22/2025	13:33	LB137619
	Potassium	537	500	108	70 - 130	P	10/22/2025	13:33	LB137619
	Selenium	4.66	5.0	93	70 - 130	P	10/22/2025	13:33	LB137619
	Silver	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Sodium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Thallium	1.00	1.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Vanadium	4.93	5.0	99	70 - 130	P	10/22/2025	13:33	LB137619
	Zinc	5.85	5.0	117	50 - 150	P	10/22/2025	13:33	LB137619

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB79	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	14:23	LB137584

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB57	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	14:28	LB137584
CCB58	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	15:08	LB137584
CCB59	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	15:43	LB137584
CCB60	Mercury	0.076	+/-0.2	U	0.20	CV	10/20/2025	16:20	LB137584
CCB61	Mercury	0.076	+/-0.2	U	0.20	CV	10/21/2025	09:00	LB137584

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:31	LB137610

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:36	LB137610
CCB72	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:16	LB137610
CCB73	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:54	LB137610
CCB74	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	13:26	LB137610
CCB75	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:13	LB137610
CCB76	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:44	LB137610
CCB77	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	15:02	LB137610

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	10/22/2025	13:16	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:16	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:16	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	10/22/2025	13:30	LB137619
	Antimony	0.17	+/-1	J	2.00	P	10/22/2025	13:30	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:30	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:30	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Thallium	0.080	+/-0.5	J	1.00	P	10/22/2025	13:30	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	14:18	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	14:18	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	14:18	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	10/22/2025	14:18	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	15:05	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	15:05	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	15:05	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:00	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:00	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:00	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	10/22/2025	16:00	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
CCB05	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:55	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:55	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:55	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Sodium	182	+/-250	J	500	P	10/22/2025	16:55	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
CCB06	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:10	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:10	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:10	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:10	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
CCB07	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:49	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:49	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:49	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
CCB08	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	19:52	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	19:52	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	19:52	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	19:52	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
CCB09	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	20:31	LB137619
	Antimony	0.18	+/-1	J	2.00	P	10/22/2025	20:31	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	20:31	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	20:31	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Potassium	43.9	+/-250	J	500	P	10/22/2025	20:31	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	20:31	LB137619

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
CCB10	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	21:06	LB137619
	Antimony	0.19	+/-1	J	2.00	P	10/22/2025	21:06	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	21:06	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	21:06	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170170BL		**SOLID**		**Batch Number:**	**PB170170**		**Prep Date:**	**10/20/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	10/20/2025	14:42	LB137584

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3376

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170158BL		**SOLID**		**Batch Number:**	**PB170158**		**Prep Date:**	**10/20/2025**	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:20	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:20	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:20	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:20	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:20	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:20	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:20	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:20	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:20	LB137619

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	94400	100000	94	0	0	10/22/2025	13:20	LB137619
	Antimony	1.18	1.5	79	-2.5	5.5	10/22/2025	13:20	LB137619
	Arsenic	0.41	0.1	410	-1.9	2.1	10/22/2025	13:20	LB137619
	Barium	1.43	1.2	119	-18.8	21.2	10/22/2025	13:20	LB137619
	Beryllium	0.34			-2	2	10/22/2025	13:20	LB137619
	Cadmium	0.22	0.7	31	-1.3	2.7	10/22/2025	13:20	LB137619
	Calcium	103000	100000	103	0	0	10/22/2025	13:20	LB137619
	Chromium	20.4	21.0	97	17	25	10/22/2025	13:20	LB137619
	Cobalt	1.30	1.0	130	-1	3	10/22/2025	13:20	LB137619
	Copper	7.49	8.0	94	4	12	10/22/2025	13:20	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:20	LB137619
	Lead	4.32	4.0	108	2	6	10/22/2025	13:20	LB137619
	Magnesium	96600	100000	97	0	0	10/22/2025	13:20	LB137619
	Manganese	7.76	7.0	111	5	9	10/22/2025	13:20	LB137619
	Nickel	5.51	6.0	92	4	8	10/22/2025	13:20	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Selenium	0	0.3		-9.7	10	10/22/2025	13:20	LB137619
	Silver	0.040			-2	2	10/22/2025	13:20	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Thallium	0.060			-2	2	10/22/2025	13:20	LB137619
	Vanadium	0.24	0.5	48	-9.5	10.5	10/22/2025	13:20	LB137619
	Zinc	10.7	11.0	98	1	21	10/22/2025	13:20	LB137619
ICSAB01	Aluminum	95400	100000	95	0	0	10/22/2025	13:23	LB137619
	Antimony	21.2	22.0	96	18	26	10/22/2025	13:23	LB137619
	Arsenic	18.9	19.0	100	16.2	21.9	10/22/2025	13:23	LB137619
	Barium	21.4	22.0	97	2	42	10/22/2025	13:23	LB137619
	Beryllium	21.6	19.0	114	16.2	21.9	10/22/2025	13:23	LB137619
	Cadmium	20.1	20.0	100	17	23	10/22/2025	13:23	LB137619
	Calcium	101000	100000	101	0	0	10/22/2025	13:23	LB137619
	Chromium	41.2	40.0	103	34	46	10/22/2025	13:23	LB137619
	Cobalt	22.1	20.0	110	17	23	10/22/2025	13:23	LB137619
	Copper	26.8	25.0	107	21	29	10/22/2025	13:23	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:23	LB137619
	Lead	23.0	25.0	92	21.3	28.8	10/22/2025	13:23	LB137619
	Magnesium	96100	100000	96	0	0	10/22/2025	13:23	LB137619
	Manganese	26.8	27.0	99	23	31.1	10/22/2025	13:23	LB137619
	Nickel	26.6	24.0	111	20.4	27.6	10/22/2025	13:23	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Selenium	19.1	19.0	100	9	29	10/22/2025	13:23	LB137619
	Silver	19.8	18.0	110	15.3	20.7	10/22/2025	13:23	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Thallium	19.9	21.0	95	17.9	24.2	10/22/2025	13:23	LB137619

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **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	20.9	19.0	110	9	29	10/22/2025	13:23	LB137619
	Zinc	31.0	29.0	107	19	39	10/22/2025	13:23	LB137619

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3374-05 **client id:** TP-5-WCMS

Percent Solids for Sample: 93.1 **Spiked ID:** Q3374-05MS **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.013	U	0.28	96		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3374-05 **client id:** TP-5-WCMSD

Percent Solids for Sample: 93.1 **Spiked ID:** Q3374-05MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.013	U	0.28	96		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3376-05 **client id:** PR132-S12-020047-20251016MS

Percent Solids for Sample: 66.8 **Spiked ID:** Q3376-05MS **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7710		6330		1300	109		P
Antimony	mg/Kg	75 - 125	60.1		0.080	J	63.4	95		P
Arsenic	mg/Kg	75 - 125	62.1		7.86		63.4	85		P
Barium	mg/Kg	75 - 125	337		52.4		320	90		P
Beryllium	mg/Kg	75 - 125	57.5		0.74		63.4	89		P
Cadmium	mg/Kg	75 - 125	61.4		1.03		63.4	95		P
Calcium	mg/Kg	75 - 125	11100		4870		6300	99		P
Chromium	mg/Kg	75 - 125	116		49.4		63.4	106		P
Cobalt	mg/Kg	75 - 125	65.6		8.16		63.4	91		P
Copper	mg/Kg	75 - 125	646		103		630	86		P
Iron	mg/Kg	75 - 125	21200		17500		3200	116		P
Lead	mg/Kg	75 - 125	455		235		320	69	N	P
Magnesium	mg/Kg	75 - 125	13400		7170		6300	98		P
Manganese	mg/Kg	75 - 125	753		199		630	87		P
Nickel	mg/Kg	75 - 125	115		56.0		63.4	93		P
Potassium	mg/Kg	75 - 125	4290		1500		3200	88		P
Selenium	mg/Kg	75 - 125	51.5		0.59	J	63.4	80		P
Silver	mg/Kg	75 - 125	11.9		1.80		63.4	16	N	P
Sodium	mg/Kg	75 - 125	11000		4580		6300	101		P
Thallium	mg/Kg	75 - 125	58.8		0.22		63.4	92		P
Vanadium	mg/Kg	75 - 125	80.1		20.6		63.4	94		P
Zinc	mg/Kg	75 - 125	794		259		630	84		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3376

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3376-05 **client id:** PR132-S12-020047-20251016MSD

Percent Solids for Sample: 66.8 **Spiked ID:** Q3376-05MSD **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7900		6330		1300	122		P
Antimony	mg/Kg	75 - 125	60.9		0.080	J	64.5	94		P
Arsenic	mg/Kg	75 - 125	63.1		7.86		64.5	86		P
Barium	mg/Kg	75 - 125	341		52.4		320	90		P
Beryllium	mg/Kg	75 - 125	59.8		0.74		64.5	92		P
Cadmium	mg/Kg	75 - 125	61.3		1.03		64.5	93		P
Calcium	mg/Kg	75 - 125	11300		4870		6500	100		P
Chromium	mg/Kg	75 - 125	119		49.4		64.5	108		P
Cobalt	mg/Kg	75 - 125	66.4		8.16		64.5	90		P
Copper	mg/Kg	75 - 125	657		103		650	86		P
Iron	mg/Kg	75 - 125	21600		17500		3200	127		P
Lead	mg/Kg	75 - 125	473		235		320	74	N	P
Magnesium	mg/Kg	75 - 125	13500		7170		6500	99		P
Manganese	mg/Kg	75 - 125	765		199		650	88		P
Nickel	mg/Kg	75 - 125	116		56.0		64.5	93		P
Potassium	mg/Kg	75 - 125	4350		1500		3200	88		P
Selenium	mg/Kg	75 - 125	53.6		0.59	J	64.5	82		P
Silver	mg/Kg	75 - 125	12.1		1.80		64.5	16	N	P
Sodium	mg/Kg	75 - 125	11100		4580		6500	101		P
Thallium	mg/Kg	75 - 125	60.8		0.22		64.5	94		P
Vanadium	mg/Kg	75 - 125	81.7		20.6		64.5	95		P
Zinc	mg/Kg	75 - 125	801		259		650	84		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** PR132-S12-020047-20251016A

Sample ID: Q3376-05 **Spiked ID:** Q3376-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	mg/Kg	75 - 125	520		235		310	92		P
Silver	mg/Kg	75 - 125	11.0		1.80		62.4	15	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3374-05 **Client ID:** TP-5-WCDUP

Percent Solids for Sample: 93.1 **Duplicate ID** Q3374-05DUP **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.013	U	0.013	U			CV

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3374-05MS **Client ID:** TP-5-WCMSD

Percent Solids for Sample: 93.1 **Duplicate ID** Q3374-05MSD **Percent Solids for Spike Sample:** 93.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.27		1		CV

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3376-05 **Client ID:** PR132-S12-020047-20251016DUP

Percent Solids for Sample: 66.8 **Duplicate ID** Q3376-05DUP **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6330		6790		7		P
Antimony	mg/Kg	20	0.080	J	0.11	J	35		P
Arsenic	mg/Kg	20	7.86		8.25		5		P
Barium	mg/Kg	20	52.4		60.7		15		P
Beryllium	mg/Kg	20	0.74		0.76		3		P
Cadmium	mg/Kg	20	1.03		1.12		8		P
Calcium	mg/Kg	20	4870		5140		5		P
Chromium	mg/Kg	20	49.4		53.0		7		P
Cobalt	mg/Kg	20	8.16		8.77		7		P
Copper	mg/Kg	20	103		110		7		P
Iron	mg/Kg	20	17500		18900		8		P
Lead	mg/Kg	20	235		245		4		P
Magnesium	mg/Kg	20	7170		7670		7		P
Manganese	mg/Kg	20	199		214		7		P
Nickel	mg/Kg	20	56.0		60.0		7		P
Potassium	mg/Kg	20	1500		1610		7		P
Selenium	mg/Kg	20	0.59	J	0.52	J	14		P
Silver	mg/Kg	20	1.80		1.87		4		P
Sodium	mg/Kg	20	4580		4920		7		P
Thallium	mg/Kg	20	0.22		0.19		14		P
Vanadium	mg/Kg	20	20.6		21.9		6		P
Zinc	mg/Kg	20	259		278		7		P

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3376-05MS **Client ID:** PR132-S12-020047-20251016MSD

Percent Solids for Sample: 66.8 **Duplicate ID** Q3376-05MSD **Percent Solids for Spike Sample:** 66.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7710		7900		2		P
Antimony	mg/Kg	20	60.1		60.9		1		P
Arsenic	mg/Kg	20	62.1		63.1		2		P
Barium	mg/Kg	20	337		341		1		P
Beryllium	mg/Kg	20	57.5		59.8		4		P
Cadmium	mg/Kg	20	61.4		61.3		0		P
Calcium	mg/Kg	20	11100		11300		2		P
Chromium	mg/Kg	20	116		119		3		P
Cobalt	mg/Kg	20	65.6		66.4		1		P
Copper	mg/Kg	20	646		657		2		P
Iron	mg/Kg	20	21200		21600		2		P
Lead	mg/Kg	20	455		473		4		P
Magnesium	mg/Kg	20	13400		13500		1		P
Manganese	mg/Kg	20	753		765		2		P
Nickel	mg/Kg	20	115		116		1		P
Potassium	mg/Kg	20	4290		4350		1		P
Selenium	mg/Kg	20	51.5		53.6		4		P
Silver	mg/Kg	20	11.9		12.1		2		P
Sodium	mg/Kg	20	11000		11100		1		P
Thallium	mg/Kg	20	58.8		60.8		3		P
Vanadium	mg/Kg	20	80.1		81.7		2		P
Zinc	mg/Kg	20	794		801		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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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170158BS							
Aluminum	mg/Kg	1000	1060		106	80 - 120	P
Antimony	mg/Kg	50.0	52.3		105	80 - 120	P
Arsenic	mg/Kg	50.0	50.6		101	80 - 120	P
Barium	mg/Kg	250	255		102	80 - 120	P
Beryllium	mg/Kg	50.0	51.4		103	80 - 120	P
Cadmium	mg/Kg	50.0	51.8		104	80 - 120	P
Calcium	mg/Kg	5000	5220		104	80 - 120	P
Chromium	mg/Kg	50.0	58.9		118	80 - 120	P
Cobalt	mg/Kg	50.0	51.5		103	80 - 120	P
Copper	mg/Kg	500	524		105	80 - 120	P
Iron	mg/Kg	2500	2800		112	80 - 120	P
Lead	mg/Kg	250	255		102	80 - 120	P
Magnesium	mg/Kg	5000	5250		105	80 - 120	P
Manganese	mg/Kg	500	514		103	80 - 120	P
Nickel	mg/Kg	50.0	56.1		112	80 - 120	P
Potassium	mg/Kg	2500	2610		104	80 - 120	P
Selenium	mg/Kg	50.0	51.3		103	80 - 120	P
Silver	mg/Kg	50.0	42.1		84	80 - 120	P
Sodium	mg/Kg	5000	5280		106	80 - 120	P
Thallium	mg/Kg	50.0	51.5		103	80 - 120	P
Vanadium	mg/Kg	50.0	51.3		103	80 - 120	P
Zinc	mg/Kg	500	531		106	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170170BS							
Mercury	mg/Kg	0.28	0.26		94	80 - 120	CV

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

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	1154	100		100		100		100		100	
S2	S2	1157	99		98		101		99		99	
S3	S3	1204	98		99		99		98		97	
S4	S4	1207	96		96		99		98		99	
S5	S5	1210	96		94		96		95		99	
S6	S6	1213	97		93		96		95		100	
S7	S7	1216	98		95		97		96		102	
S8	S8	1219	101		101		101		94		104	
ICV01	ICV01	1238	96		100		102		101		100	
LLICV01	LLICV01	1312	92		97		100		98		97	
ICB01	ICB01	1316	93		99		99		98		97	
ICSA01	ICSA01	1320	94		100		101		97		102	
ICSAB01	ICSAB01	1323	95		104		107		103		108	
CCV01	CCV01	1327	95		105		106		100		105	
CCB01	CCB01	1330	90		98		101		99		99	
CRI01	CRI01	1333	92		100		101		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	95		104		105		99		104	
CCB02	CCB02	1418	92		99		101		103		100	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	90		100		102		96		101	
CCB03	CCB03	1505	89		99		101		100		100	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	89		96		98		98		99	
PB170158BS	PB170158BS	1524	92		98		100		97		101	
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	92		99		101		96		101	
CCB04	CCB04	1600	87		96		98		98		97	
ZZZZZZ	ZZZZZZ	1603										
Q3376-01	PR132-S05-01	1606	94		109		122		100		103	
Q3376-02	PR132-DP01-	1609	93		108		121		101		103	
Q3376-03	PR132-COMP2	1613	94		112		129		99		103	
Q3376-04	PR132-S12-01	1616	91		109		125		96		102	
Q3376-05	PR132-S12-01	1619	90		105		114		99		102	
Q3376-05L	PR132-S12-01	1625	89		100		103		100		101	
Q3376-05MSD	PR132-S12-01	1631	90		103		113		96		103	
Q3376-05DUP	PR132-S12-01	1640	93		106		116		99		104	
Q3376-05MS	PR132-S12-01	1643	95		107		118		98		105	
CCV05	CCV05	1646	94		102		103		99		105	
CCB05	CCB05	1655	87		95		98		98		100	
Q3376-05A	PR132-S12-01	1700	93		106		116		97		104	
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	84		94		98		93		99	
CCB07	CCB07	1849	80		90		94		95		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-02	2000	80		91		96		91		96	
Q3376-02	PR132-DP01-	2003	82		93		98		94		96	
Q3376-03	PR132-COMP2	2006	83		95		99		94		97	
Q3376-04	PR132-S12-02	2009	81		93		102		95		97	
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	83		92		94		91		97	
CCB09	CCB09	2031	80		89		92		91		95	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

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	1154	100		100		100		100		100	
S2	S2	1157	99		99		100		98		99	
S3	S3	1204	98		97		97		98		97	
S4	S4	1207	96		97		94		97		99	
S5	S5	1210	95		95		93		96		97	
S6	S6	1213	96		95		95		99		100	
S7	S7	1216	97		95		94		100		101	
S8	S8	1219	105		104		94		103		105	
ICV01	ICV01	1238	101		102		100		101		102	
LLICV01	LLICV01	1312	98		99		97		98		99	
ICB01	ICB01	1316	99		101		99		99		100	
ICSA01	ICSA01	1320	101		100		97		101		103	
ICSAB01	ICSAB01	1323	104		102		100		104		105	
CCV01	CCV01	1327	103		102		97		103		105	
CCB01	CCB01	1330	98		100		99		99		100	
CRI01	CRI01	1333	99		99		99		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		104		98		105		105	
CCB02	CCB02	1418	100		102		102		103		104	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

Alliance TECHNICAL GROUP
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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		101		96		104		103	
CCB03	CCB03	1505	97		100		99		102		102	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	95		97		97		101		100	
PB170158BS	PB170158BS	1524	96		97		97		100		102	
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	99		98		95		101		102	
CCB04	CCB04	1600	94		97		96		98		100	
ZZZZZZ	ZZZZZZ	1603										
Q3376-01	PR132-S05-01	1606	110		121		100		106		106	
Q3376-02	PR132-DP01-	1609	109		122		100		105		104	
Q3376-03	PR132-COMP2	1613	113		128		99		106		105	
Q3376-04	PR132-S12-01	1616	111		124		97		104		105	
Q3376-05	PR132-S12-01	1619	106		116		98		104		104	
Q3376-05L	PR132-S12-01	1625	102		104		100		103		103	
Q3376-05MSD	PR132-S12-01	1631	105		114		96		103		103	
Q3376-05DUP	PR132-S12-01	1640	107		119		101		108		108	
Q3376-05MS	PR132-S12-01	1643	108		118		99		107		107	
CCV05	CCV05	1646	103		102		99		107		108	
CCB05	CCB05	1655	94		98		98		101		102	
Q3376-05A	PR132-S12-01	1700	106		115		101		109		107	
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: P7 Start Date : 10/22/2025

Run Number: LB137619 End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	95		95		92		99		100	
CCB07	CCB07	1849	90		94		95		97		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-02	2000	92		98		94		98		96	
Q3376-02	PR132-DP01-	2003	93		98		95		97		98	
Q3376-03	PR132-COMP2	2006	95		99		94		98		99	
Q3376-04	PR132-S12-02	2009	95		100		94		97		97	
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	92		93		90		98		98	
CCB09	CCB09	2031	89		94		93		97		96	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

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	1154	100		100							
S2	S2	1157	98		99							
S3	S3	1204	97		99							
S4	S4	1207	99		100							
S5	S5	1210	99		99							
S6	S6	1213	101		102							
S7	S7	1216	102		103							
S8	S8	1219	103		95							
ICV01	ICV01	1238	100		100							
LLICV01	LLICV01	1312	97		96							
ICB01	ICB01	1316	97		95							
ICSA01	ICSA01	1320	101		98							
ICSAB01	ICSAB01	1323	105		100							
CCV01	CCV01	1327	106		100							
CCB01	CCB01	1330	99		97							
CRI01	CRI01	1333	101		99							
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		98							
CCB02	CCB02	1418	101		99							
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: P7 | Start Date : 10/22/2025

Run Number: LB137619 | End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		94							
CCB03	CCB03	1505	100		97							
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	99		99							
PB170158BS	PB170158BS	1524	102		99							
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	101		96							
CCB04	CCB04	1600	95		96							
ZZZZZZ	ZZZZZZ	1603										
Q3376-01	PR132-S05-05	1606	103		107							
Q3376-02	PR132-DP01-2	1609	104		105							
Q3376-03	PR132-COMP2-	1613	102		106							
Q3376-04	PR132-S12-04	1616	100		101							
Q3376-05	PR132-S12-02	1619	102		96							
Q3376-05L	PR132-S12-02	1625	99		97							
Q3376-05MSD	PR132-S12-02	1631	102		98							
Q3376-05DUP	PR132-S12-02	1640	105		103							
Q3376-05MS	PR132-S12-02	1643	105		102							
CCV05	CCV05	1646	107		99							
CCB05	CCB05	1655	100		98							
Q3376-05A	PR132-S12-02	1700	105		102							
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: P7 | Start Date : 10/22/2025

Run Number: LB137619 | End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	100		93							
CCB07	CCB07	1849	96		95							
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-05	2000	95		94							
Q3376-02	PR132-DP01-2	2003	97		95							
Q3376-03	PR132-COMP2-	2006	96		95							
Q3376-04	PR132-S12-04	2009	96		93							
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	98		91							
CCB09	CCB09	2031	93		92							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100									
S2	S2	1157	101									
S3	S3	1204	99									
S4	S4	1207	97									
S5	S5	1210	97									
S6	S6	1213	98									
S7	S7	1216	97									
S8	S8	1219	94									
ICV01	ICV01	1238	102									
LLICV01	LLICV01	1312	97									
ICB01	ICB01	1316	99									
ICSA01	ICSA01	1320	95									
ICSAB01	ICSAB01	1323	99									
CCV01	CCV01	1327	96									
CCB01	CCB01	1330	98									
CRI01	CRI01	1333	99									
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	97									
CCB02	CCB02	1418	100									
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM | Contract: AECO02

Lab Code: ACE | SDG No.: Q3376

Instrument ID: P7 | Start Date : 10/22/2025

Run Number: LB137619 | End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	93									
CCB03	CCB03	1505	99									
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
PB170158BL	PB170158BL	1520	96									
PB170158BS	PB170158BS	1524	97									
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	93									
CCB04	CCB04	1600	95									
ZZZZZZ	ZZZZZZ	1603										
Q3376-01	PR132-S05-05	1606	106									
Q3376-02	PR132-DP01-2	1609	104									
Q3376-03	PR132-COMP2-	1613	105									
Q3376-04	PR132-S12-04	1616	100									
Q3376-05	PR132-S12-02	1619	97									
Q3376-05L	PR132-S12-02	1625	97									
Q3376-05MSD	PR132-S12-02	1631	97									
Q3376-05DUP	PR132-S12-02	1640	102									
Q3376-05MS	PR132-S12-02	1643	100									
CCV05	CCV05	1646	97									
CCB05	CCB05	1655	96									
Q3376-05A	PR132-S12-02	1700	100									
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	91									
CCB07	CCB07	1849	93									
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									
ZZZZZZ	ZZZZZZ	1957										
Q3376-01	PR132-S05-05	2000	93									
Q3376-02	PR132-DP01-2	2003	92									
Q3376-03	PR132-COMP2-	2006	95									
Q3376-04	PR132-S12-04	2009	93									
ZZZZZZ	ZZZZZZ	2012										
ZZZZZZ	ZZZZZZ	2016										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3376
Instrument ID: P7
Start Date : 10/22/2025
Run Number: LB137619
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2019										
ZZZZZZ	ZZZZZZ	2022										
ZZZZZZ	ZZZZZZ	2025										
CCV09	CCV09	2028	88									
CCB09	CCB09	2031	93									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-5-WCL

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137584 **Lab Sample ID :** Q3374-05L **SDG No.:** Q3376

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.013	U	0.065	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

PR132-S12-020047-20251016L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3376-05L **SDG No.:** Q3376

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	6330		6750		7		P
Antimony	0.080	J	1.25	U	100.0		P
Arsenic	7.86		9.08		15		P
Barium	52.4		54.1		3		P
Beryllium	0.74		0.74		1		P
Cadmium	1.03		1.01		2		P
Calcium	4870		5220		7		P
Chromium	49.4		52.2		6		P
Cobalt	8.16		8.63		6		P
Copper	103		107		4		P
Iron	17500		18600		6		P
Lead	235		229		3		P
Magnesium	7170		7570		6		P
Manganese	199		209		5		P
Nickel	56.0		60.2		7		P
Potassium	1500		1630		9		P
Selenium	0.59	J	3.12	U	100.0		P
Silver	1.80		1.84		3		P
Sodium	4580		4760		4		P
Thallium	0.22		0.23	J	5		P
Vanadium	20.6		21.5		4		P
Zinc	259		280		8		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170158**						
PB170158BL	PB170158BL	MB	SOLID	10/20/2025	1.00	100.0	100.00
PB170158BS	PB170158BS	LCS	SOLID	10/20/2025	1.00	100.0	100.00
Q3376-01	PR132-S05-057082-20251016	SAM	SOLID	10/20/2025	1.20	100.0	53.50
Q3376-02	PR132-DP01-20251016	SAM	SOLID	10/20/2025	1.12	100.0	53.60
Q3376-03	PR132-COMP2-20251016	SAM	SOLID	10/20/2025	1.16	100.0	52.70
Q3376-04	PR132-S12-047072-20251016	SAM	SOLID	10/20/2025	1.18	100.0	51.30
Q3376-05	PR132-S12-020047-20251016	SAM	SOLID	10/20/2025	1.20	100.0	66.80
Q3376-05DUP	PR132-S12-020047-20251016DUP	DUP	SOLID	10/20/2025	1.14	100.0	66.80
Q3376-05MS	PR132-S12-020047-20251016MS	MS	SOLID	10/20/2025	1.18	100.0	66.80
Q3376-05MSD	PR132-S12-020047-20251016MSD	MSD	SOLID	10/20/2025	1.16	100.0	66.80

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3376

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170170**						
PB170170BL	PB170170BL	MB	SOLID	10/20/2025	0.50	35.0	100.00
PB170170BS	PB170170BS	LCS	SOLID	10/20/2025	0.50	35.0	100.00
Q3374-05DUP	TP-5-WCDUP	DUP	SOLID	10/20/2025	0.58	35.0	93.10
Q3374-05MS	TP-5-WCMS	MS	SOLID	10/20/2025	0.53	35.0	93.10
Q3374-05MSD	TP-5-WCMSD	MSD	SOLID	10/20/2025	0.53	35.0	93.10
Q3376-01	PR132-S05-057082-20251016	SAM	SOLID	10/20/2025	0.56	35.0	53.50
Q3376-02	PR132-DP01-20251016	SAM	SOLID	10/20/2025	0.13	35.0	53.60
Q3376-03	PR132-COMP2-20251016	SAM	SOLID	10/20/2025	0.57	35.0	52.70
Q3376-04	PR132-S12-047072-20251016	SAM	SOLID	10/20/2025	0.60	35.0	51.30
Q3376-05	PR132-S12-020047-20251016	SAM	SOLID	10/20/2025	0.60	35.0	66.80

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137584

Start date: 10/20/2025 **End date:** 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1358	HG
S0.2	S0.2	1	1401	HG
S2.5	S2.5	1	1403	HG
S5	S5	1	1405	HG
S7.5	S7.5	1	1408	HG
S10	S10	1	1417	HG
ICV79	ICV79	1	1421	HG
ICB79	ICB79	1	1423	HG
CCV57	CCV57	1	1426	HG
CCB57	CCB57	1	1428	HG
CRA	CRA	1	1435	HG
PB170170BL	PB170170BL	1	1442	HG
PB170170BS	PB170170BS	1	1448	HG
Q3374-05DUP	TP-5-WCDUP	1	1455	HG
Q3374-05MS	TP-5-WCMS	1	1500	HG
Q3374-05MSD	TP-5-WCMSD	1	1502	HG
CCV58	CCV58	1	1505	HG
CCB58	CCB58	1	1508	HG
CCV59	CCV59	1	1540	HG
CCB59	CCB59	1	1543	HG
CCV60	CCV60	1	1617	HG
CCB60	CCB60	1	1620	HG
Q3374-05L	TP-5-WCL	5	1634	HG
CCV61	CCV61	1	0857	HG
CCB61	CCB61	1	0900	HG

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137610

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1113	HG
S0.2	S0.2	1	1116	HG
S2.5	S2.5	1	1118	HG
S5	S5	1	1120	HG
S7.5	S7.5	1	1123	HG
S10	S10	1	1125	HG
ICV83	ICV83	1	1129	HG
ICB83	ICB83	1	1131	HG
CCV71	CCV71	1	1134	HG
CCB71	CCB71	1	1136	HG
CRA	CRA	1	1139	HG
CCV72	CCV72	1	1214	HG
CCB72	CCB72	1	1216	HG
CCV73	CCV73	1	1248	HG
CCB73	CCB73	1	1254	HG
CCV74	CCV74	1	1323	HG
CCB74	CCB74	1	1326	HG
CCV75	CCV75	1	1411	HG
CCB75	CCB75	1	1413	HG
Q3376-01	PR132-S05-057082-20251016	10	1431	HG
Q3376-02	PR132-DP01-20251016	10	1433	HG
Q3376-03	PR132-COMP2-20251016	10	1436	HG
Q3376-04	PR132-S12-047072-20251016	10	1439	HG
CCV76	CCV76	1	1442	HG
CCB76	CCB76	1	1444	HG
Q3376-05	PR132-S12-020047-20251016	10	1447	HG
CCV77	CCV77	1	1459	HG
CCB77	CCB77	1	1502	HG

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137619

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1154	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1157	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1207	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1219	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1418	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	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170158BL	PB170158BL	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170158BS	PB170158BS	1	1524	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	1545	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-01	PR132-S05-057082-20251016	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-02	PR132-DP01-20251016	1	1609	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-03	PR132-COMP2-20251016	1	1613	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-04	PR132-S12-047072-20251016	1	1616	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05	PR132-S12-020047-20251016	1	1619	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05L	PR132-S12-020047-20251016L	5	1625	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05MSD	PR132-S12-020047-20251016M	1	1631	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05DUP	PR132-S12-020047-20251016DU	1	1640	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05MS	PR132-S12-020047-20251016M	1	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-05A	PR132-S12-020047-20251016A	1	1700	Ag,Pb
CCV06	CCV06	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1849	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3376

Instrument id number: **Method:** **Run number:** LB137619

Start date: 10/22/2025 **End date:** 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB08	CCB08	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3376-01	PR132-S05-057082-20251016	5	2000	Cr
Q3376-02	PR132-DP01-20251016	5	2003	Cr
Q3376-03	PR132-COMP2-20251016	5	2006	Cr
Q3376-04	PR132-S12-047072-20251016	5	2009	Cr
CCV09	CCV09	1	2028	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

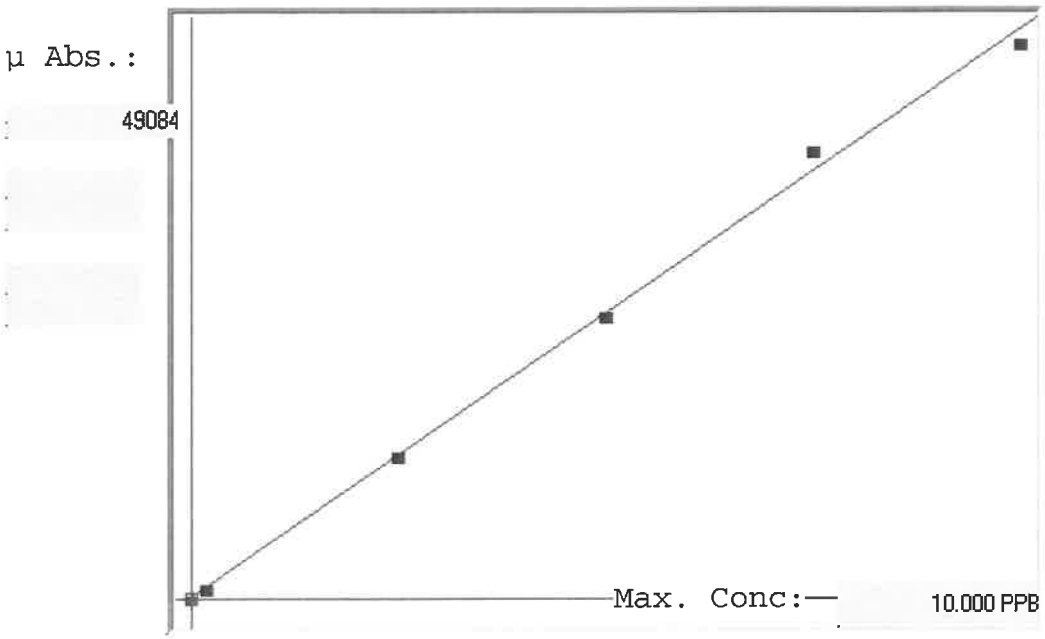
METAL
RAW DATA

Reviewed By:jaswal
On:10/24/2025
10:42:37 PM
Inst Id :CV1
LB :LB137584

LB137584

7471B INSTRUMENT ID: CV1

Linear



A= 0.0000e+000

B= 1.9883e-004

C= -2.4065e-002

Rho= 0.9987379

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0.0	0.000	-0.015	-0.015	44	0.000	44				
0.2	0.200	0.174	-0.026	995	0.0 %	995				
2.5	2.500	2.497	-0.003	12681	0.0 %	12681				
5.0	5.000	4.946	-0.054	24995	0.0 %	24995				
7.5	7.500	7.863	0.363	39670	0.0 %	39670				
10.0	10.000	9.735	-0.265	49084	0.0 %	49084				

Reviewed By:jaswal
On:10/24/2025
10:42:37 PM
Inst Id :CV1
LB :LB137584

LB137584 INSTRUMENT ID : CV1

Method: 7471B Operator: Admin Date of Analysis: 20 Oct 2025 13:50:28

Type	Sample ID	Extended ID	Conc.	µ Abs.	Units	Type	Stnd Conc	Method	Date
S	0.0 - 1	50	-	44	PPB	Std	0.0000	7471B	20 Oct 2025 13:58:35
S	0.2 - 1	202	-	995	PPB	Std	0.2000	7471B	20 Oct 2025 14:01:01
S	2.5 - 1	2.5	-	12681	PPB	Std	2.5000	7471B	20 Oct 2025 14:03:18
S	5.0 - 1	5	-	24995	PPB	Std	5.0000	7471B	20 Oct 2025 14:05:35
S	7.5 - 1	7.5	-	39670	PPB	Std	7.5000	7471B	20 Oct 2025 14:08:06
S	10.0 - 1	10	-	49084	PPB	Std	10.0000	7471B	20 Oct 2025 14:17:14
U	ICV79 - 1	ICV79	3.7600	19032	PPB	SMPL		7471B	20 Oct 2025 14:21:12
U	ICB79 - 1	ICB79	-0.0811	-287	PPB	SMPL		7471B	20 Oct 2025 14:23:26
U	CCV57 - 1	CCV57	5.0995	25769	PPB	SMPL		7471B	20 Oct 2025 14:26:05
U	CCB57 - 1	CCB57	-0.0843	-303	PPB	SMPL		7471B	20 Oct 2025 14:28:20
U	CRA - 1	CRA	0.1895	1074	PPB	SMPL		7471B	20 Oct 2025 14:35:10
U	HighStd - 1	HighStd	9.8344	49583	PPB	SMPL		7471B	20 Oct 2025 14:37:25
U	ChkStd - 1	ChkStd	7.5739	38214	PPB	SMPL		7471B	20 Oct 2025 14:39:41
U	PB170170BL - 1	PB170170BL	-0.0839	-301	PPB	SMPL		7471B	20 Oct 2025 14:42:28
U	PB170170BS - 1	PB170170BS	3.7692	19078	PPB	SMPL		7471B	20 Oct 2025 14:48:29
U	Q3374-01 - 1	TP-4-WC	0.6464	3372	PPB	SMPL		7471B	20 Oct 2025 14:50:45
U	Q3374-05 - 1	TP-5-WC	-0.0304	-32	PPB	SMPL		7471B	20 Oct 2025 14:53:23
U	Q3374-05DUP - 1	TP-5-WCDUP	0.0243	243	PPB	SMPL		7471B	20 Oct 2025 14:55:43
U	Q3374-05MS - 1	TP-5-WCMS	3.7821	19143	PPB	SMPL		7471B	20 Oct 2025 15:00:36
U	Q3374-05MSD - 1	TP-5-WCMSD	3.8073	19270	PPB	SMPL		7471B	20 Oct 2025 15:02:51
U	CCV58 - 1	CCV58	4.9470	25002	PPB	SMPL		7471B	20 Oct 2025 15:05:28
U	CCB58 - 1	CCB58	-0.0911	-337	PPB	SMPL		7471B	20 Oct 2025 15:08:06
U	Q3375-01 - 1	PR132-S02-074099-20251016	20.8292	104881	PPB	SMPL		7471B	20 Oct 2025 15:10:46
U	Q3375-02 - 1	PR132-S04-000013-20251016	4.7454	23988	PPB	SMPL		7471B	20 Oct 2025 15:13:01
U	Q3375-03 - 1	PR132-S05-000057-20251016	36.5414	183905	PPB	SMPL		7471B	20 Oct 2025 15:15:56
U	Q3375-04 - 1	PR132-S02-010074-20251016	23.7663	119653	PPB	SMPL		7471B	20 Oct 2025 15:18:39
U	Q3375-05 - 1	PR132-DP02-074099-20251016	56.2460	283009	PPB	SMPL		7471B	20 Oct 2025 15:21:44
U	Q3376-01 - 1	PR132-S05-057082-20251016	41.8501	210605	PPB	SMPL		7471B	20 Oct 2025 15:24:44
U	Q3376-02 - 1	PR132-DP01-20251016	45.5234	229080	PPB	SMPL		7471B	20 Oct 2025 15:27:55
U	Q3376-03 - 1	PR132-COMP2-20251016	37.0784	186606	PPB	SMPL		7471B	20 Oct 2025 15:31:03
U	Q3376-04 - 1	PR132-S12-047072-20251016	59.5531	299642	PPB	SMPL		7471B	20 Oct 2025 15:34:15
U	Q3376-05 - 1	PR132-S12-020047-20251016	21.0720	106102	PPB	SMPL		7471B	20 Oct 2025 15:37:21
U	CCV59 - 1	CCV59	4.9025	24778	PPB	SMPL		7471B	20 Oct 2025 15:40:34
U	CCB59 - 1	CCB59	-0.0827	-295	PPB	SMPL		7471B	20 Oct 2025 15:43:30
U	PB170171BL - 1	PB170171BL	0.0141	192	PPB	SMPL		7471B	20 Oct 2025 15:51:07
U	PB170171BS - 1	PB170171BS	3.3514	16977	PPB	SMPL		7471B	20 Oct 2025 15:53:22
U	Q3381-01 - 1	VNJ-222	0.1350	800	PPB	SMPL		7471B	20 Oct 2025 15:55:38
U	Q3381-01DUP - 1	VNJ-222DUP	0.1390	820	PPB	SMPL		7471B	20 Oct 2025 16:01:10
U	Q3381-01MS - 1	VNJ-222MS	3.0826	15625	PPB	SMPL		7471B	20 Oct 2025 16:03:25
U	Q3381-01MSD - 1	VNJ-222MSD	3.0912	15668	PPB	SMPL		7471B	20 Oct 2025 16:05:41
U	Q3381-03 - 1	VNJ-245	0.5764	3020	PPB	SMPL		7471B	20 Oct 2025 16:08:17
U	Q3381-05 - 1	RBR200059	0.3450	1856	PPB	SMPL		7471B	20 Oct 2025 16:10:53
U	Q3381-07 - 1	VNJ-255	0.3090	1675	PPB	SMPL		7471B	20 Oct 2025 16:13:12
U	Q3382-01 - 1	CENTRAL-AVE-TP	2.7402	13903	PPB	SMPL		7471B	20 Oct 2025 16:15:30
U	CCV60 - 1	CCV60	4.9419	24976	PPB	SMPL		7471B	20 Oct 2025 16:17:45
U	CCB60 - 1	CCB60	-0.0736	-249	PPB	SMPL		7471B	20 Oct 2025 16:20:20
U	Q3383-01 - 1	OR-03-101725	0.5521	2898	PPB	SMPL		7471B	20 Oct 2025 16:23:01
U	Q3386-01 - 1	237	0.5883	3080	PPB	SMPL		7471B	20 Oct 2025 16:25:17
U	Q3390-03 - 1	340	1.0584	5444	PPB	SMPL		7471B	20 Oct 2025 16:27:34
U	Q3392-01 - 1	MH-20	0.2605	1431	PPB	SMPL		7471B	20 Oct 2025 16:29:52
U	Q3392-05 - 1	MH-19	0.8156	4223	PPB	SMPL		7471B	20 Oct 2025 16:32:11
U	Q3374-05LX5 - 1		-0.0660	-211	PPB	SMPL		7471B	20 Oct 2025 16:34:27
U	Q3374-05A - 1		3.3900	17171	PPB	SMPL		7471B	20 Oct 2025 16:36:47
U	Q3381-01LX5 - 1		-0.0412	-86	PPB	SMPL		7471B	20 Oct 2025 16:39:04
U	Q3381-01A - 1		-0.0191	25	PPB	SMPL		7471B	20 Oct 2025 16:41:37
U	~~CCV62 - 1~~ CCV61	~~CCV62~~ CCV61	5.0289	25414	PPB	SMPL		7471B	21 Oct 2025 08:57:54
U	~~CCB62 - 1~~ CCB61	~~CCB62~~ CCB61	-0.0917	-340	PPB	SMPL		7471B	21 Oct 2025 09:00:20

MB 10/30/2025

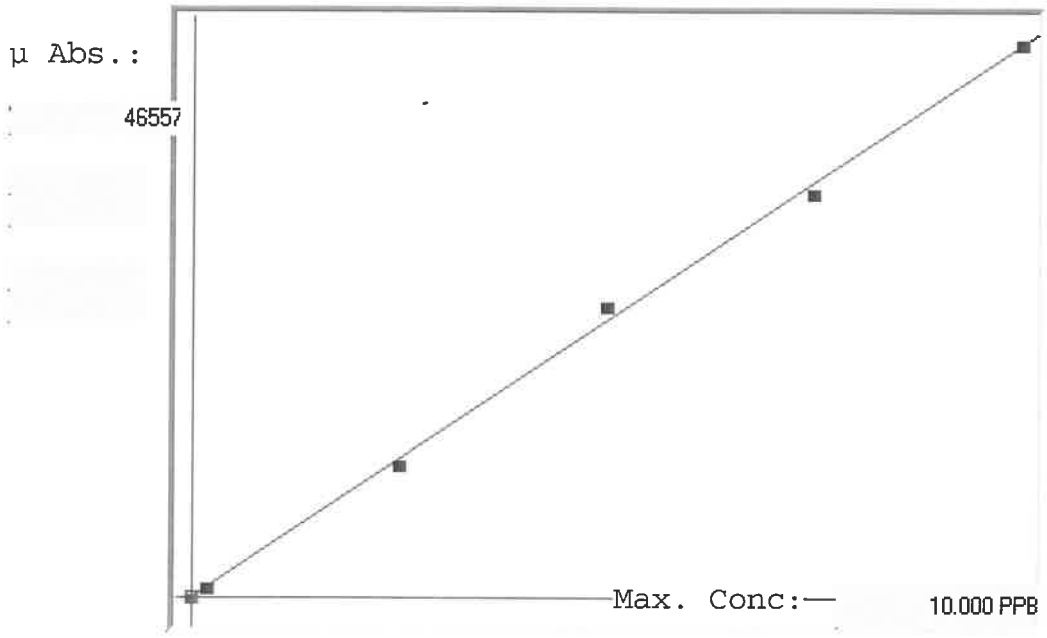
Reviewed By:Janvi
On:10/28/2025 3:11:04 PM
Inst Id :CV1
LB :LB137610

LB137610

7471B

INSTRUMENT ID: CV1

Linear



A= 0.0000e+000

B= 2.1521e-004

C= -7.6249e-003

Rho= 0.9992927

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0.0	0.000	-0.006	-0.006	8	0.000	8				
0.2	0.200	0.189	-0.011	913	0.0 %	913				
2.5	2.500	2.418	-0.082	11271	0.0 %	11271				
5.0	5.000	5.272	0.272	24534	0.0 %	24534				
7.5	7.500	7.315	-0.185	34024	0.0 %	34024				
10.0	10.000	10.012	0.012	46557	0.0 %	46557				

Reviewed By:Janvi
On:10/28/2025 3:11:04 PM
Inst Id :CV1
LB :LB137610

LB137610 INSTRUMENT ID : CV1

Method: 7471B Operator: Admin Date of Analysis: 22 Oct 2025 10:56:53

Type	Sample ID	Extended ID	Conc	µ Abs	Units	Type	Stnd Conc	Method	Date
S	0.0 - 1		-	8	PPB	Std	0.00000	7471B	22 Oct 2025 11:13:41
S	0.2 - 1		-	913	PPB	Std	0.20000	7471B	22 Oct 2025 11:16:07
S	2.5 - 1		-	11271	PPB	Std	2.50000	7471B	22 Oct 2025 11:18:24
S	5.0 - 1		-	24534	PPB	Std	5.00000	7471B	22 Oct 2025 11:20:42
S	7.5 - 1		-	34024	PPB	Std	7.50000	7471B	22 Oct 2025 11:23:14
S	10.0 - 1		-	46557	PPB	Std	10.00000	7471B	22 Oct 2025 11:25:58
U	ICV83 - 1	ICV83	3.7784	17592	PPB	SMPL		7471B	22 Oct 2025 11:29:10
U	ICB83 - 1	ICB83	-0.0707	-293	PPB	SMPL		7471B	22 Oct 2025 11:31:41
U	CCV71 - 1	CCV71	4.9816	23183	PPB	SMPL		7471B	22 Oct 2025 11:34:19
U	CCB71 - 1	CCB71	-0.0750	-313	PPB	SMPL		7471B	22 Oct 2025 11:36:34
U	CRA - 1	CRA	0.1725	837	PPB	SMPL		7471B	22 Oct 2025 11:39:15
U	HighStd - 1	HighStd	8.9845	41783	PPB	SMPL		7471B	22 Oct 2025 11:41:30
U	ChkStd - 1	ChkStd	6.6917	31129	PPB	SMPL		7471B	22 Oct 2025 11:43:45
U	PB170201BL - 1	PB170201BL	-0.0152	-35	PPB	SMPL		7471B	22 Oct 2025 11:49:40
U	PB170201BS - 1	PB170201BS	3.3152	15440	PPB	SMPL		7471B	22 Oct 2025 11:51:56
U	Q3393-01 - 1	PR132-S10-000022-20251017	20.0627	93259	PPB	SMPL		7471B	22 Oct 2025 11:54:50
U	Q3393-02 - 1	PR132-S10-022047-20251017	34.7952	161715	PPB	SMPL		7471B	22 Oct 2025 11:57:27
U	Q3393-03 - 1	PR132-S08-013038-20251017	47.3676	220134	PPB	SMPL		7471B	22 Oct 2025 12:00:25
U	Q3393-04 - 1	PR132-S06-000021-20251017	33.9423	157752	PPB	SMPL		7471B	22 Oct 2025 12:03:35
U	Q3393-05 - 1	PR132-S08-000013-20251017	48.6344	226020	PPB	SMPL		7471B	22 Oct 2025 12:06:49
U	CCV72 - 1	CCV72	4.7072	21908	PPB	SMPL		7471B	22 Oct 2025 12:14:25
U	CCB72 - 1	CCB72	-0.0920	-392	PPB	SMPL		7471B	22 Oct 2025 12:16:39
U	Q3395-01 - 1	PR132-S09-000051-20251017	49.7597	231249	PPB	SMPL		7471B	22 Oct 2025 12:19:18
U	Q3395-02 - 1	PR132-S07-000102-20251017	39.7982	184962	PPB	SMPL		7471B	22 Oct 2025 12:21:42
U	Q3395-02DUP - 1	PR132-S07-000102-20251017DUP	43.4009	201702	PPB	SMPL		7471B	22 Oct 2025 12:24:53
U	Q3395-03 - 1	Q3395-02MS	51.0744	237358	PPB	SMPL		7471B	22 Oct 2025 12:28:05
U	Q3395-04 - 1	Q3395-02MSD	49.9891	232315	PPB	SMPL		7471B	22 Oct 2025 12:31:06
U	Q3395-05 - 1	PR132-S07-102116-20251017	37.9261	176263	PPB	SMPL		7471B	22 Oct 2025 12:34:16
U	Q3395-06 - 1	PR132-COMP03-20251017	9.8402	45759	PPB	SMPL		7471B	22 Oct 2025 12:37:36
U	Q3395-07 - 1	PR132-S08-038048-20251017	35.4417	164719	PPB	SMPL		7471B	22 Oct 2025 12:40:57
U	Q3397-01 - 1	TP-7-WC	-0.5659	-2594	PPB	SMPL		7471B	22 Oct 2025 12:43:43
U	Q3402-01 - 1	41-LA	5.1871	24138	PPB	SMPL		7471B	22 Oct 2025 12:46:23
U	CCV73 - 1	CCV73	4.8889	22752	PPB	SMPL		7471B	22 Oct 2025 12:48:39
U	CCB73 - 1	CCB73	-0.0061	7	PPB	SMPL		7471B	22 Oct 2025 12:54:12
U	Q3402-04 - 1	41-RA	3.8739	18036	PPB	SMPL		7471B	22 Oct 2025 12:57:47
U	Q3402-07 - 1	41-LB	15.7133	73049	PPB	SMPL		7471B	22 Oct 2025 13:00:02
U	Q3402-10 - 1	41-RB	11.5111	53523	PPB	SMPL		7471B	22 Oct 2025 13:02:42
U	Q3403-01 - 1	MH-18	-0.0922	-393	PPB	SMPL		7471B	22 Oct 2025 13:05:30
U	Q3395-02LX5 - 1		9.1653	42623	PPB	SMPL		7471B	22 Oct 2025 13:08:13
U	Q3393-01DLX5 - 1		1.4920	6968	PPB	SMPL		7471B	22 Oct 2025 13:13:09
U	Q3393-02DLX5 - 1		6.9243	32210	PPB	SMPL		7471B	22 Oct 2025 13:15:53
U	Q3393-03DLX5 - 1		9.9024	46048	PPB	SMPL		7471B	22 Oct 2025 13:18:21
U	Q3393-04DLX5 - 1		7.2814	33869	PPB	SMPL		7471B	22 Oct 2025 13:20:58
U	CCV74 - 1	CCV74	5.2388	24378	PPB	SMPL		7471B	22 Oct 2025 13:23:34
U	CCB74 - 1	CCB74	-0.1350	-592	PPB	SMPL		7471B	22 Oct 2025 13:26:20
U	Q3393-05DLX10 - 1		4.3842	20407	PPB	SMPL		7471B	22 Oct 2025 13:35:19
U	Q3395-01DLX10 - 1		5.1271	23859	PPB	SMPL		7471B	22 Oct 2025 13:43:36
U	Q3395-02DLX10 - 1		3.5892	16713	PPB	SMPL		7471B	22 Oct 2025 13:45:51
U	Q3395-02DUPDLX10 - 1		3.9970	18608	PPB	SMPL		7471B	22 Oct 2025 13:52:23
U	Q3395-03DLX10 - 1		6.7870	31572	PPB	SMPL		7471B	22 Oct 2025 13:54:55
U	Q3395-04DLX10 - 1		7.0274	32689	PPB	SMPL		7471B	22 Oct 2025 13:57:35
U	Q3395-05DLX10 - 1		5.1140	23798	PPB	SMPL		7471B	22 Oct 2025 14:00:25
U	Q3395-07DLX10 - 1		4.3067	20047	PPB	SMPL		7471B	22 Oct 2025 14:03:17
U	Q3402-07DLX5 - 1		3.0875	14382	PPB	SMPL		7471B	22 Oct 2025 14:06:04
U	Q3402-10DLX5 - 1		2.4695	11510	PPB	SMPL		7471B	22 Oct 2025 14:08:47
U	CCV75 - 1	CCV75	5.3754	25013	PPB	SMPL		7471B	22 Oct 2025 14:11:22
U	CCB75 - 1	CCB75	-0.0477	-186	PPB	SMPL		7471B	22 Oct 2025 14:13:53
U	Q3395-02LX5DLX50 - 1		1.3054	6101	PPB	SMPL		7471B	22 Oct 2025 14:16:35
U	Q3395-02ADLX10 - 1		5.4514	25366	PPB	SMPL		7471B	22 Oct 2025 14:18:51
U	Q3375-01DLX10 - 1		5.2777	24559	PPB	SMPL		7471B	22 Oct 2025 14:21:09
U	Q3375-03DLX10 - 1		1.3975	6529	PPB	SMPL		7471B	22 Oct 2025 14:23:54
U	Q3375-04DLX10 - 1		2.1819	10174	PPB	SMPL		7471B	22 Oct 2025 14:26:34
U	Q3375-05DLX10 - 1		1.2186	5698	PPB	SMPL		7471B	22 Oct 2025 14:28:53
U	Q3376-01DL10 - 1		5.3937	25098	PPB	SMPL		7471B	22 Oct 2025 14:31:35
U	Q3376-02DLX10 - 1		5.1430	23933	PPB	SMPL		7471B	22 Oct 2025 14:33:59
U	Q3376-03DLX10 - 1		3.9594	18433	PPB	SMPL		7471B	22 Oct 2025 14:36:45
U	Q3376-04DLX10 - 1		5.7282	26652	PPB	SMPL		7471B	22 Oct 2025 14:39:28
U	CCV76 - 1	CCV76	5.2168	24276	PPB	SMPL		7471B	22 Oct 2025 14:42:07
U	CCB76 - 1	CCB76	-0.0567	-228	PPB	SMPL		7471B	22 Oct 2025 14:44:49
U	Q3376-05DLX10 - 1		5.8870	27390	PPB	SMPL		7471B	22 Oct 2025 14:47:30
U	Q3376-06DLX10 - 1		2.3130	10783	PPB	SMPL		7471B	22 Oct 2025 14:49:54
U	Q3395-02A - 1		48.4163	225007	PPB	SMPL		7471B	22 Oct 2025 14:53:34
U	CCV77 - 1	CCV77	5.4301	25267	PPB	SMPL		7471B	22 Oct 2025 14:59:45
U	CCB77 - 1	CCB77	-0.0507	-200	PPB	SMPL		7471B	22 Oct 2025 15:02:08
U	CCV77 - 1	CCV77	-0.0076	0	PPB	SMPL		7471B	22 Oct 2025 14:52:37

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
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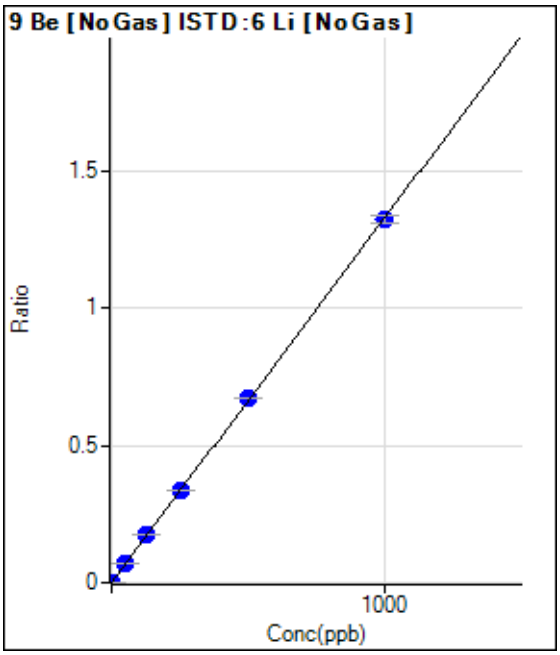
Batch Folder: D:\Agilent\ICPMH\1\DATA\P7102225 MS.b\
Analysis File: P7102225 MS.batch.bin
DA Date-Time: 2025-10-22 14:05:36
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	010CALB.d	S00	2025-10-22 11:54:14
2	011CALS.d	S02	2025-10-22 11:57:32
3	013CALS.d	S03	2025-10-22 12:04:15
4	014CALS.d	S04	2025-10-22 12:07:29
5	015CALS.d	S05	2025-10-22 12:10:30
6	016CALS.d	S06	2025-10-22 12:13:30
7	017CALS.d	S07	2025-10-22 12:16:18
8	018CALS.d	S08	2025-10-22 12:19:08

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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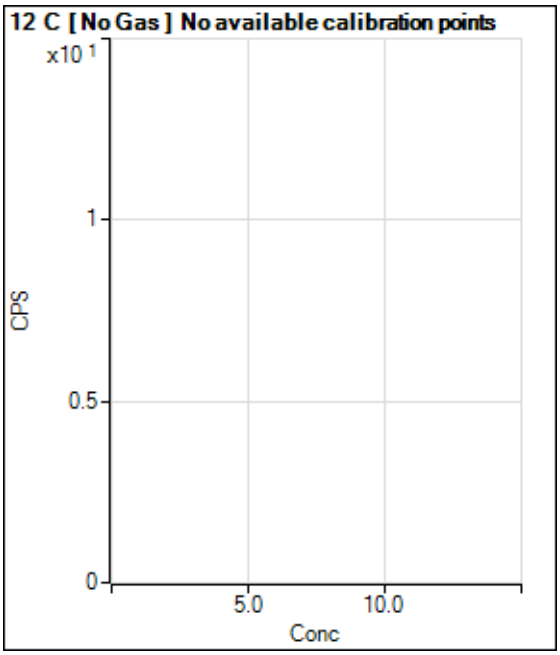
2	☐	1.000	1.149	1113.39	0.0016	P	7.7
3	☐	50.000	51.926	48553.38	0.0689	P	1.7
4	☐	125.000	131.139	120882.89	0.1741	P	0.4
5	☐	250.000	252.403	232255.28	0.3350	P	0.6
6	☐	500.000	506.347	467899.02	0.6720	P	0.8
7	☐	1000.000	995.362	936902.07	1.3210	P	2.2
8	☐			360.01	0.0005	P	8.3

y = 0.0013 * x + 2.9259E-005
R = 1.0000
DL = 0.03951

Weight: <None>
Min Conc: <None>



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2	☐						
3	☐						
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Reviewed By:jaswal
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Inst Id :P7
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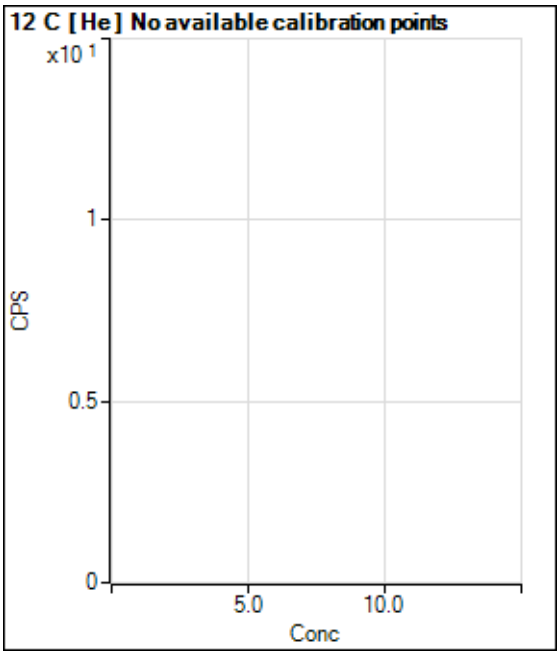

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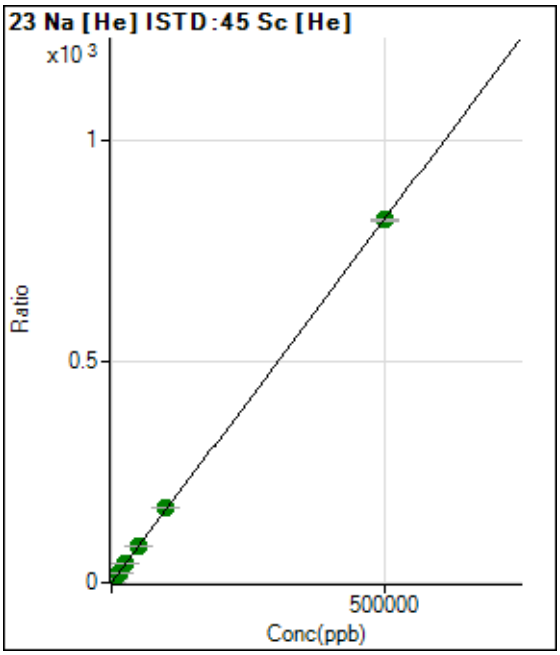

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14882.82	0.0578	P	0.9
2	☐	500.000	552.947	247792.11	0.9680	P	1.3
3	☐	5000.000	5058.692	2125288.88	8.3843	A	2.9
4	☐	12500.000	13108.110	5347178.18	21.6334	A	0.9
5	☐	25000.000	25641.129	10301556.31	42.2624	A	0.9
6	☐	50000.000	50945.832	20649942.19	83.9132	A	0.5
7	☐	100000.00	103198.12	42281972.70	169.9190	A	0.9
8	☐	500000.00	499217.89	222105341.1	821.7564	A	0.2

y = 0.0016 * x + 0.0578
R = 1.0000
DL = 0.9961

Weight: <None>
Min Conc: <None>

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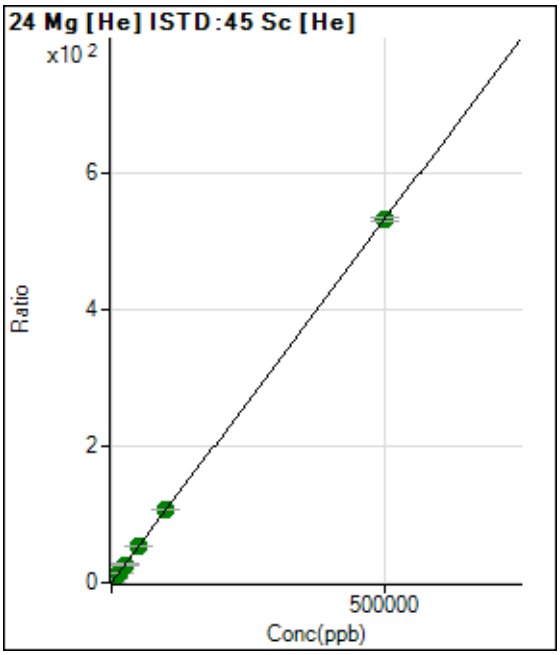
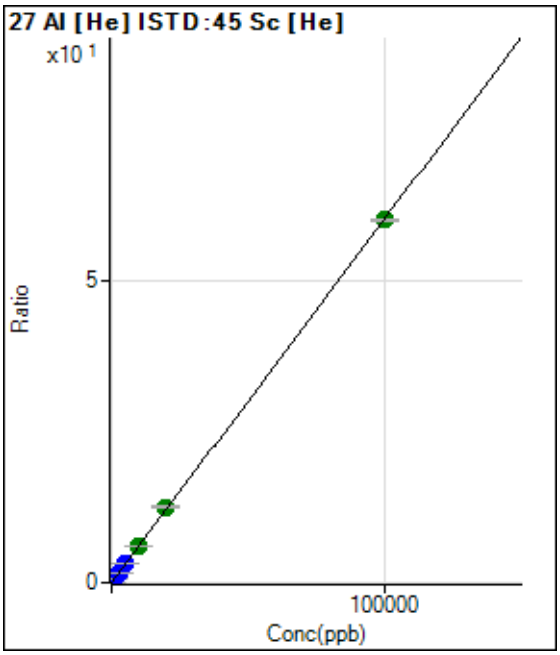


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	284.45	0.0011	P	17.9
2	☐	500.000	546.456	149049.17	0.5822	P	1.1
3	☐	5000.000	5012.194	1351282.38	5.3312	A	2.9
4	☐	12500.000	12750.930	3351927.52	13.5608	A	2.1
5	☐	25000.000	25147.284	6518337.40	26.7435	A	0.6
6	☐	50000.000	50173.551	13129847.86	53.3571	A	1.0
7	☐	100000.00	101113.21	26757126.27	107.5279	A	0.2
8	☐	500000.00	499746.19	143641984.5	531.4459	A	1.0

y = 0.0011 * x + 0.0011
R = 1.0000
DL = 0.5575

Weight: <None>
Min Conc: <None>



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1	☐	0.000	0.000	512.24	0.0020	P	8.8
2	☐	20.000	22.187	3927.21	0.0153	P	1.3
3	☐	1000.000	1025.507	156883.11	0.6189	P	0.4
4	☐	2500.000	2614.555	389263.33	1.5748	P	0.4
5	☐	5000.000	5149.838	755558.11	3.0999	P	0.4
6	☐	10000.000	10179.220	1507339.96	6.1254	A	0.4
7	☐	20000.000	20863.160	3123487.98	12.5524	A	1.0
8	☐	100000.00	99798.835	16226482.26	60.0368	A	0.8

y = 6.0156E-004 * x + 0.0020
R = 1.0000
DL = 0.8733

Weight: <None>
Min Conc: <None>

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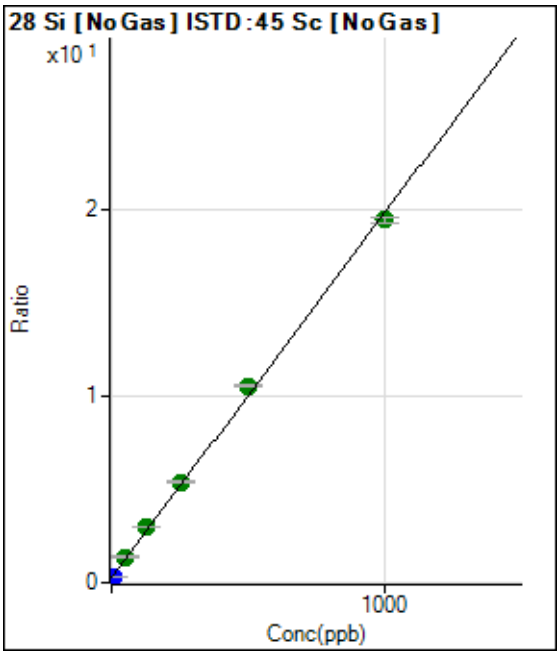
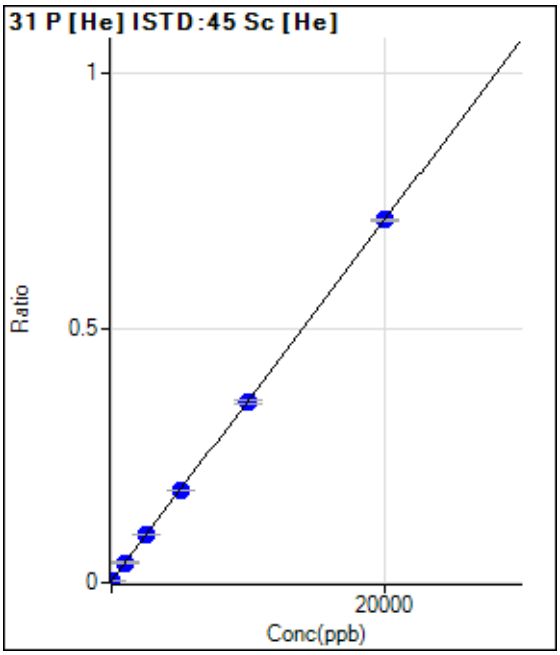


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	639491.34	0.2651	P	0.9
2	☐	10.000	0.568	656082.00	0.2762	P	0.5
3	☐	50.000	56.934	3280751.90	1.3779	A	2.8
4	☐	125.000	138.160	6851132.54	2.9654	A	1.6
5	☐	250.000	263.013	12303147.32	5.4057	A	0.5
6	☐	500.000	526.956	23821124.09	10.5645	A	0.7
7	☐	1000.000	981.371	44695690.45	19.4460	A	1.2
8	☐			715018.62	0.2937	P	2.6

y = 0.0195 * x + 0.2651
R = 0.9992
DL = 0.3741

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-15.421	795.58	0.0031	P	8.8
2	☐	0.000	15.421	1071.16	0.0042	P	2.3
3	☐	1000.000	1005.943	9946.65	0.0392	P	2.6
4	☐	2500.000	2547.149	23179.89	0.0938	P	1.5
5	☐	5000.000	5033.547	44306.21	0.1818	P	0.8
6	☐	10000.000	9921.993	87302.73	0.3548	P	1.1
7	☐	20000.000	20024.426	177252.24	0.7123	P	0.4
8	☐			827.81	0.0031	P	5.1

y = 3.5390E-005 * x + 0.0036
R = 1.0000
DL = 15.67

Weight: <None>
Min Conc: <None>

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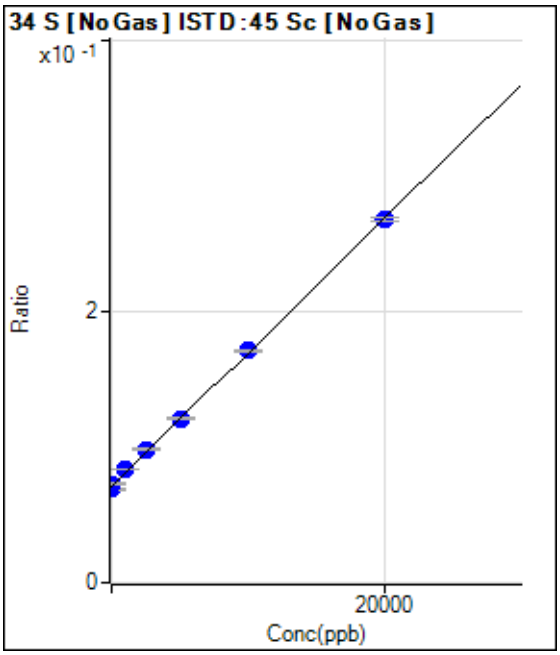
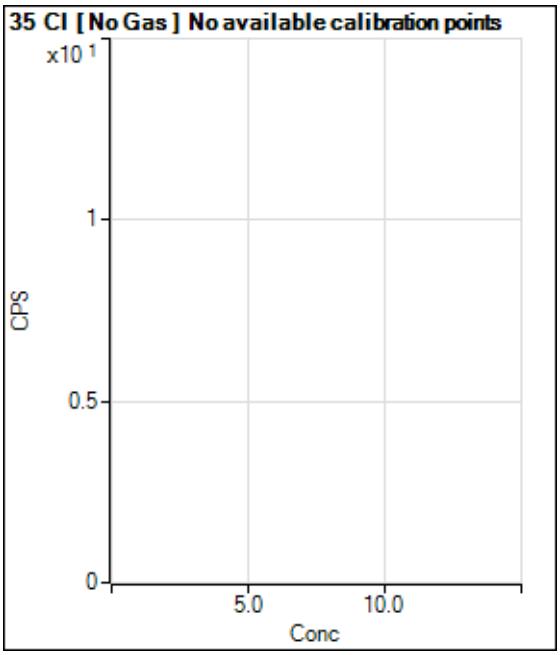


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-207.227	165845.77	0.0687	P	1.1
2	☐	0.000	207.227	173055.09	0.0728	P	0.8
3	☐	1000.000	1302.412	199279.55	0.0837	P	1.5
4	☐	2500.000	2767.881	226840.95	0.0982	P	0.8
5	☐	5000.000	5061.461	275064.31	0.1209	P	1.2
6	☐	10000.000	10129.934	385562.66	0.1710	P	0.9
7	☐	20000.000	19871.062	614473.64	0.2673	P	1.1
8	☐			174688.45	0.0718	P	1.8

y = 9.8912E-006 * x + 0.0708
R = 0.9997
DL = 204.5

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐						
3	☐						
4	☐						
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Reviewed By:jaswal
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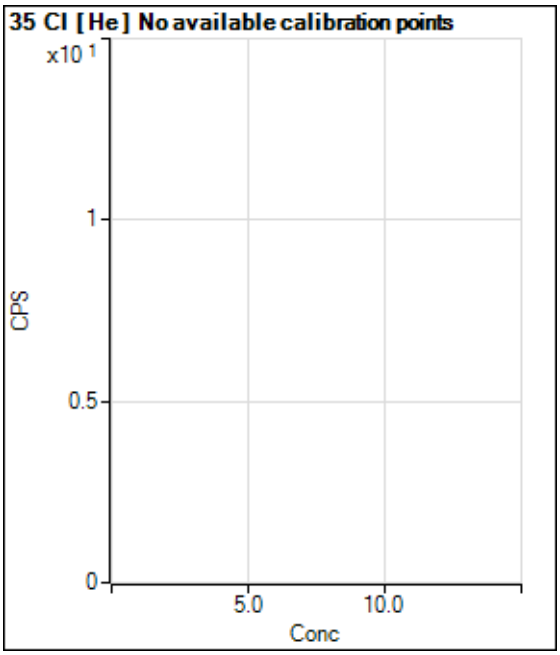
Inst Id :P7
LB :LB137619



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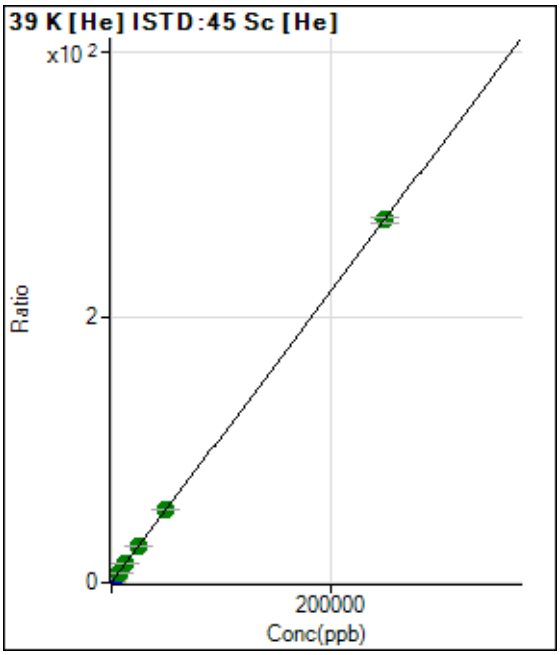
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	56272.40	0.2187	P	1.3
2	☐	500.000	580.091	218475.81	0.8535	P	1.7
3	☐	2500.000	2654.625	791810.21	3.1237	P	1.0
4	☐	6250.000	6515.008	1816272.72	7.3483	A	0.9
5	☐	12500.000	12747.497	3453418.84	14.1688	A	0.7
6	☐	25000.000	25080.262	6807967.61	27.6651	A	0.2
7	☐	50000.000	49880.623	13637643.13	54.8053	A	0.5
8	☐	250000.00	249995.14	74002997.78	273.7996	A	1.8

y = 0.0011 * x + 0.2187
R = 1.0000
DL = 7.9

Weight: <None>
Min Conc: <None>

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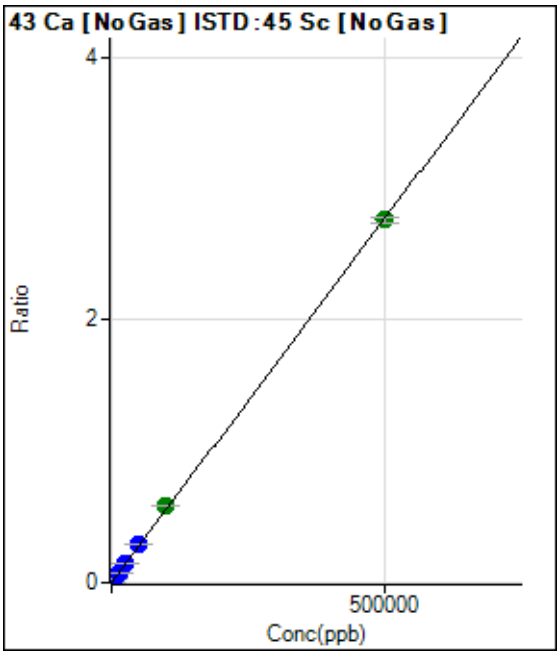

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2	☐	500.000	591.855	7968.84	0.0034	P	1.0
3	☐	5000.000	5267.564	69624.51	0.0292	P	1.5
4	☐	12500.000	13766.550	176241.82	0.0763	P	1.4
5	☐	25000.000	26834.410	338254.91	0.1486	P	0.4
6	☐	50000.000	53598.713	669174.83	0.2968	P	0.7
7	☐	100000.00	105078.15	1337101.91	0.5817	A	1.3
8	☐	500000.00	498498.34	6717213.02	2.7595	A	1.9

y = 5.5355E-006 * x + 7.8318E-005
R = 0.9999
DL = 2.226

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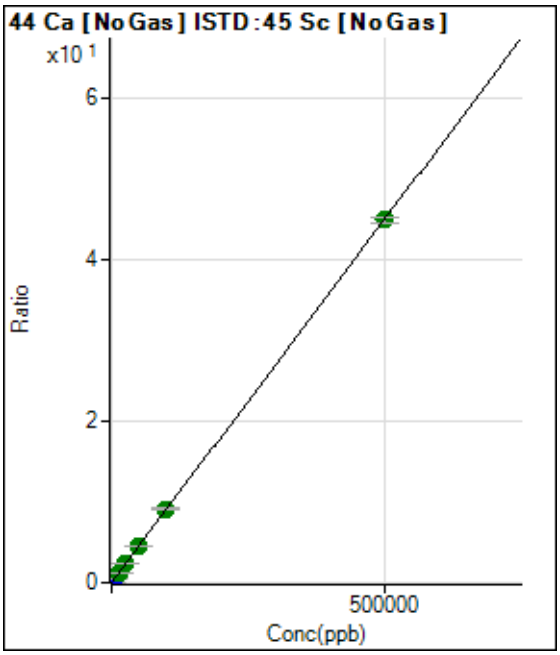
Min Conc: <None>



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2	☐	500.000	587.743	141499.73	0.0596	P	0.5
3	☐	5000.000	5303.921	1151733.32	0.4837	P	1.9
4	☐	12500.000	13026.519	2721888.92	1.1781	A	1.3
5	☐	25000.000	25402.239	5213831.28	2.2909	A	1.2
6	☐	50000.000	50476.118	10249978.39	4.5456	A	0.3
7	☐	100000.00	101850.80	21065757.32	9.1653	A	0.8
8	☐	500000.00	499545.82	109362276.1	44.9268	A	1.5

y = 8.9922E-005 * x + 0.0067
R = 1.0000
DL = 1.456

Weight: <None>
Min Conc: <None>

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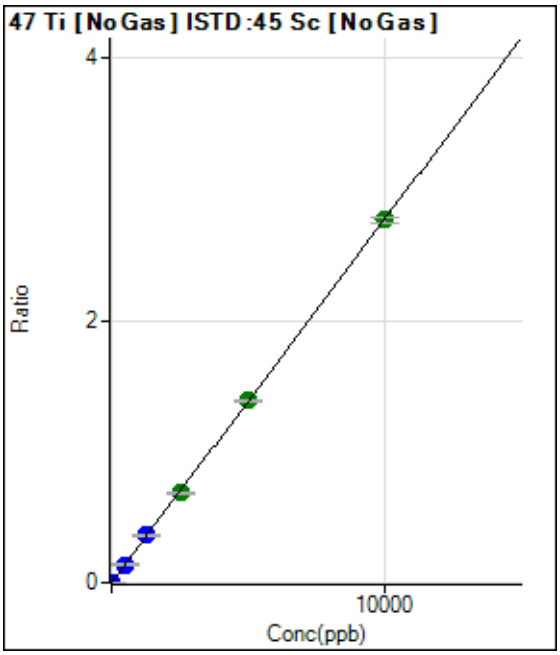

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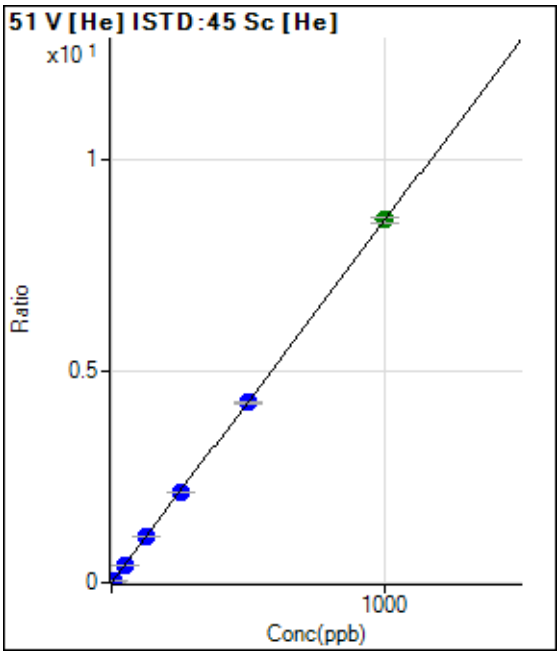
2	☐	5.000	5.519	3690.49	0.0016	P	4.8
3	☐	500.000	498.365	328679.80	0.1380	P	2.4
4	☐	1250.000	1298.383	830714.86	0.3596	P	2.0
5	☐	2500.000	2476.256	1560524.73	0.6858	A	2.9
6	☐	5000.000	5018.069	3133697.07	1.3897	A	1.3
7	☐	10000.000	9990.935	6359174.35	2.7668	A	1.8
8	☐			1116.72	0.0005	P	5.6

y = 2.7693E-004 * x + 2.5317E-005
R = 1.0000
DL = 0.04653

Weight: <None>
Min Conc: <None>



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2	☐	5.000	5.586	12277.31	0.0480	P	1.3
3	☐	50.000	49.613	107792.14	0.4253	P	1.4
4	☐	125.000	126.156	267253.24	1.0812	P	0.4
5	☐	250.000	247.827	517659.65	2.1239	P	0.4
6	☐	500.000	497.358	1048868.02	4.2623	P	0.5
7	☐	1000.000	1001.736	2136207.85	8.5847	A	1.8
8	☐			4048.37	0.0150	P	3.1

y = 0.0086 * x + 8.1890E-005
R = 1.0000
DL = 0.006567

Weight: <None>
Min Conc: <None>

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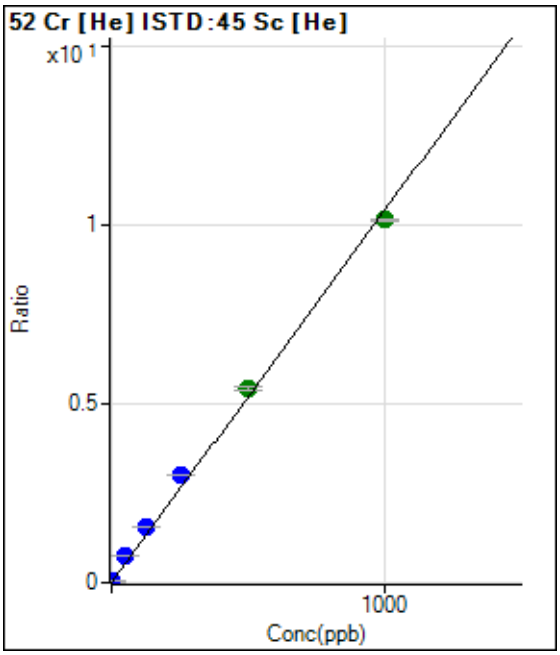

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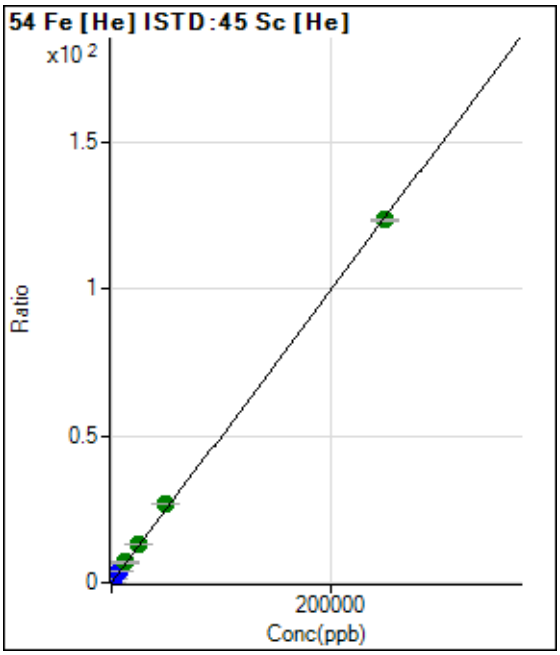
2	☐	2.000	2.101	7245.14	0.0283	P	2.6
3	☐	50.000	73.738	196155.04	0.7738	P	1.2
4	☐	125.000	148.151	382704.33	1.5483	P	0.4
5	☐	250.000	289.131	734973.18	3.0155	P	0.3
6	☐	500.000	522.055	1338551.07	5.4396	A	1.2
7	☐	1000.000	975.109	2526864.34	10.1546	A	0.3
8	☐			43140.48	0.1596	P	1.3

y = 0.0104 * x + 0.0064
R = 0.9986
DL = 0.08529

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2265.75	0.0088	P	4.5
2	☐	50.000	60.597	9952.26	0.0389	P	1.9
3	☐	2500.000	2947.757	373070.77	1.4717	P	0.7
4	☐	6250.000	7275.765	894744.75	3.6197	P	1.0
5	☐	12500.000	13878.294	1680736.52	6.8965	A	2.1
6	☐	25000.000	26816.117	3277108.29	13.3174	A	0.8
7	☐	50000.000	53952.762	6665220.94	26.7850	A	0.2
8	☐	250000.00	248928.79	33392843.67	123.5498	A	0.3

y = 4.9629E-004 * x + 0.0088
R = 0.9999
DL = 2.38

Weight: <None>
Min Conc: <None>

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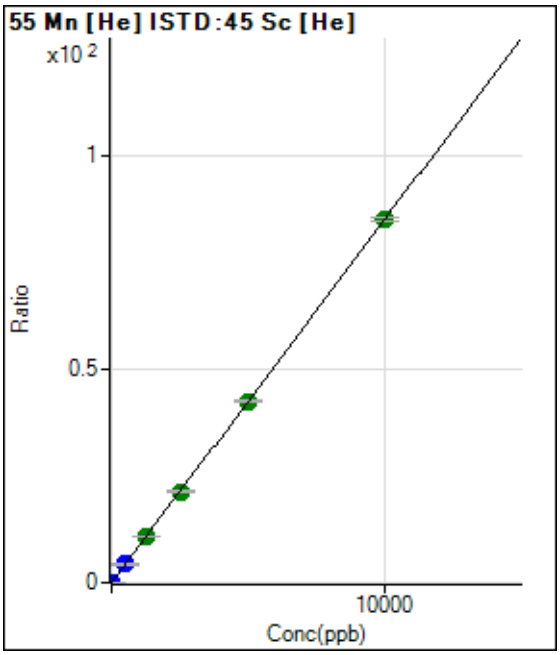
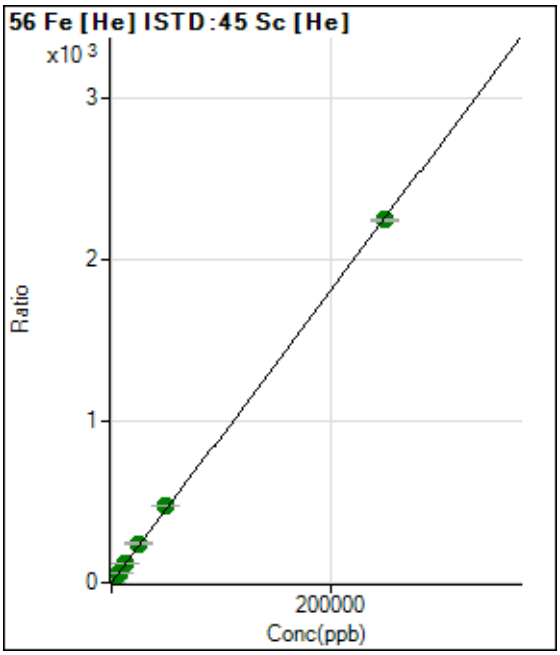


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	725.58	0.0028	P	7.2
2	☐	1.000	0.985	2870.30	0.0112	P	3.9
3	☐	500.000	503.461	1087767.84	4.2912	P	0.8
4	☐	1250.000	1279.879	2695427.91	10.9046	A	0.4
5	☐	2500.000	2509.037	5209073.15	21.3744	A	1.9
6	☐	5000.000	4990.385	10461409.70	42.5101	A	1.1
7	☐	10000.000	9998.641	21193140.52	85.1697	A	1.2
8	☐			20240.32	0.0749	P	1.3

y = 0.0085 * x + 0.0028
R = 1.0000
DL = 0.07162

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21829.25	0.0848	P	1.2
2	☐	50.000	59.347	158441.01	0.6189	P	1.1
3	☐	2500.000	2779.240	6361514.21	25.0967	A	1.7
4	☐	6250.000	6892.581	15353734.77	62.1149	A	1.5
5	☐	12500.000	13694.595	30060915.94	123.3299	A	0.6
6	☐	25000.000	27049.767	59925076.88	243.5203	A	0.6
7	☐	50000.000	53051.802	118825932.6	477.5267	A	0.9
8	☐	250000.00	249106.07	605943133.1	2,241.925	A	0.6

y = 0.0090 * x + 0.0848
R = 0.9999
DL = 0.3366

Weight: <None>
Min Conc: <None>

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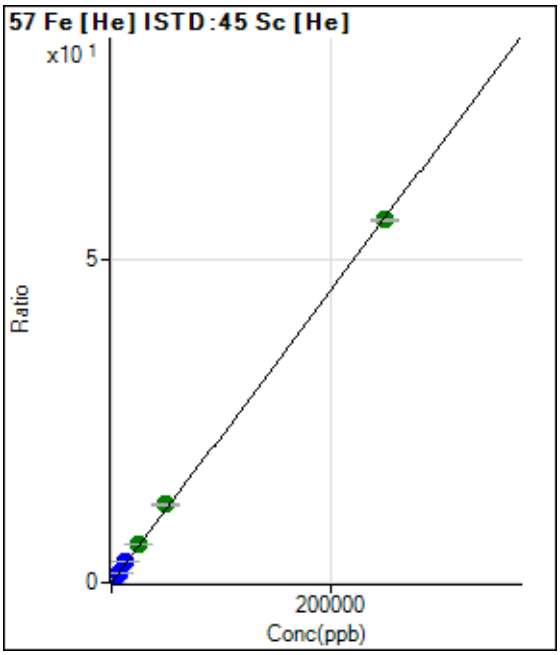
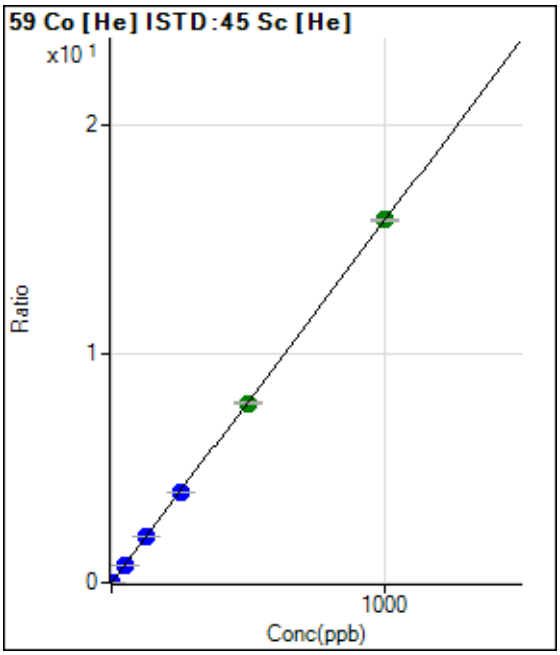


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1487.74	0.0058	P	2.2
2	☐	50.000	63.089	5119.45	0.0200	P	3.3
3	☐	2500.000	2896.515	166895.65	0.6584	P	0.8
4	☐	6250.000	7154.409	399864.31	1.6177	P	1.3
5	☐	12500.000	14053.921	773172.38	3.1723	P	0.5
6	☐	25000.000	26684.468	1480924.66	6.0180	A	0.4
7	☐	50000.000	53467.920	2999186.86	12.0526	A	0.4
8	☐	250000.00	249033.69	15166896.29	56.1152	A	0.6

y = 2.2531E-004 * x + 0.0058
R = 0.9999
DL = 1.704

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128.89	0.0005	P	25.4
2	☐	1.000	1.154	4798.60	0.0187	P	3.8
3	☐	50.000	49.623	198874.24	0.7845	P	0.3
4	☐	125.000	126.958	495948.96	2.0064	P	0.6
5	☐	250.000	248.690	957776.50	3.9298	P	1.0
6	☐	500.000	495.413	1926277.30	7.8281	A	1.4
7	☐	1000.000	1002.395	3941222.89	15.8384	A	0.2
8	☐			14038.87	0.0519	P	2.2

y = 0.0158 * x + 5.0164E-004
R = 1.0000
DL = 0.02423

Weight: <None>
Min Conc: <None>

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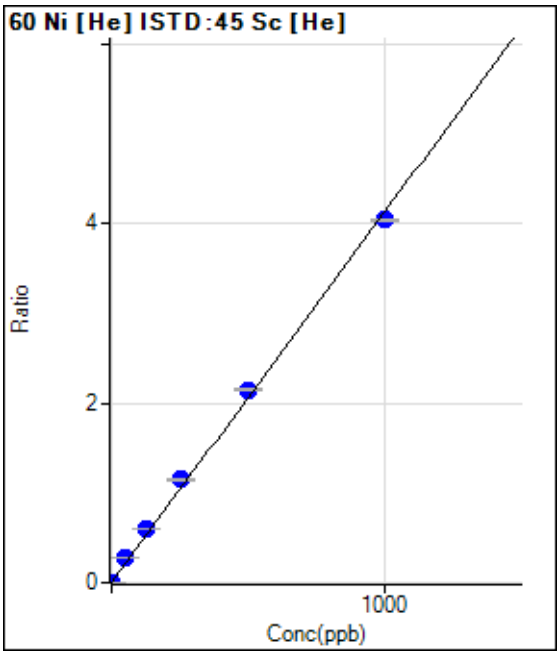
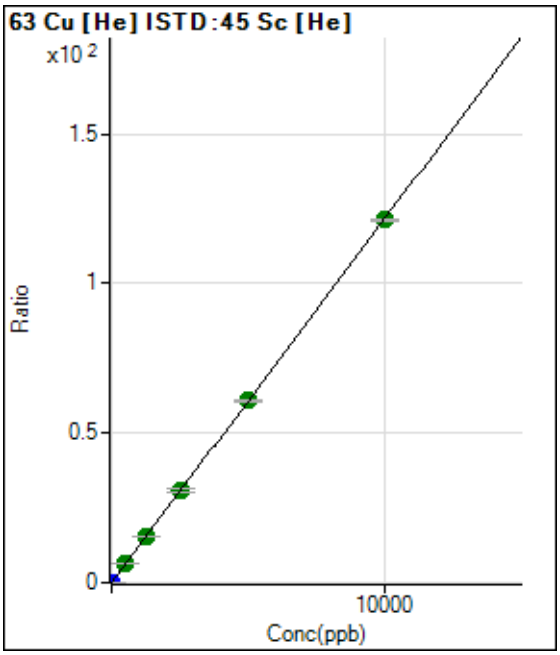


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	578.91	0.0022	P	9.0
2	☐	1.000	1.113	1751.23	0.0068	P	1.5
3	☐	50.000	68.062	71719.45	0.2829	P	0.7
4	☐	125.000	143.710	147041.63	0.5949	P	0.2
5	☐	250.000	278.700	280650.69	1.1516	P	1.5
6	☐	500.000	520.286	528535.83	2.1478	P	0.7
7	☐	1000.000	979.440	1005619.18	4.0413	P	0.6
8	☐			12791.13	0.0473	P	1.1

y = 0.0041 * x + 0.0022
R = 0.9991
DL = 0.1467

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	856.70	0.0033	P	2.7
2	☐	2.000	2.115	7431.92	0.0290	P	3.2
3	☐	500.000	507.910	1565088.92	6.1742	A	1.4
4	☐	1250.000	1280.291	3845697.41	15.5583	A	0.9
5	☐	2500.000	2540.682	7524310.23	30.8716	A	2.3
6	☐	5000.000	5016.947	15000350.47	60.9572	A	1.2
7	☐	10000.000	9977.174	30165144.00	121.2219	A	0.8
8	☐			9896.68	0.0366	P	1.1

y = 0.0121 * x + 0.0033
R = 1.0000
DL = 0.02248

Weight: <None>
Min Conc: <None>

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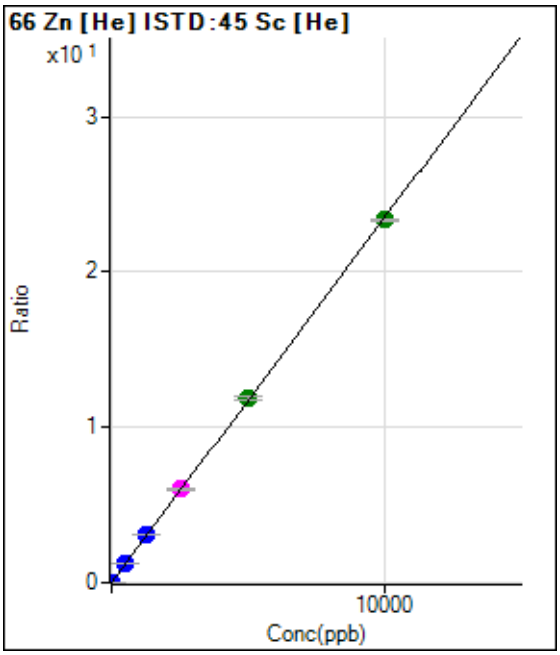
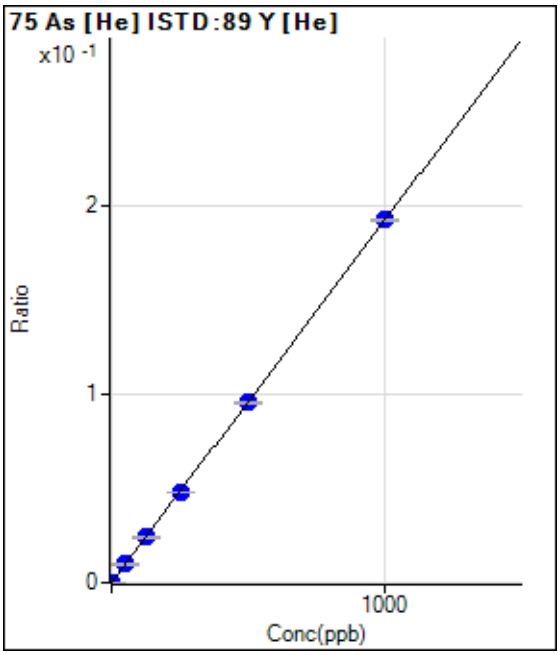


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1317.85	0.0051	P	3.2
2	☐	5.000	5.331	4514.06	0.0176	P	3.1
3	☐	500.000	514.319	307408.57	1.2127	P	0.9
4	☐	1250.000	1309.559	761282.00	3.0799	P	0.3
5	☐	2500.000	2559.512	1465989.49	6.0148	M	0.5
6	☐	5000.000	5063.602	2926893.54	11.8943	A	1.3
7	☐	10000.000	9945.160	5811843.66	23.3561	A	0.8
8	☐			10388.15	0.0384	P	0.3

y = 0.0023 * x + 0.0051
R = 0.9999
DL = 0.2116

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.64	0.0000	P	37.2
2	☐	1.000	1.091	442.28	0.0002	P	5.3
3	☐	50.000	50.930	19595.98	0.0098	P	2.6
4	☐	125.000	125.736	48266.04	0.0242	P	2.1
5	☐	250.000	247.053	93258.86	0.0476	P	0.0
6	☐	500.000	497.388	187977.08	0.0958	P	0.9
7	☐	1000.000	1001.904	379871.69	0.1930	P	0.8
8	☐			588.38	0.0003	P	8.2

y = 1.9263E-004 * x + 6.6111E-006
R = 1.0000
DL = 0.03834

Weight: <None>
Min Conc: <None>

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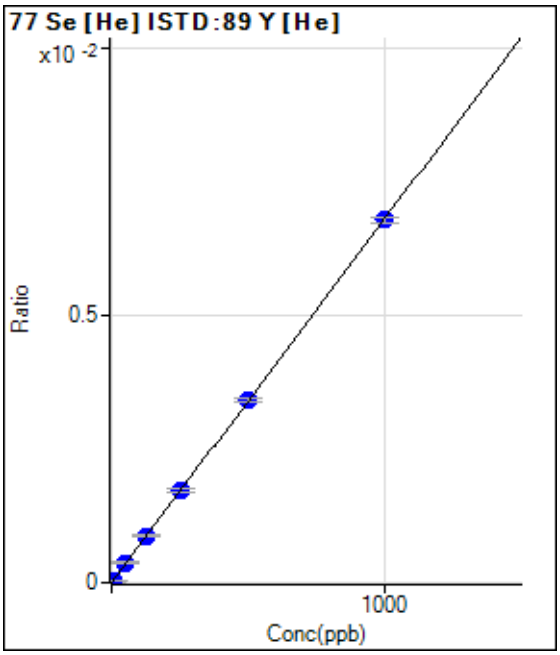
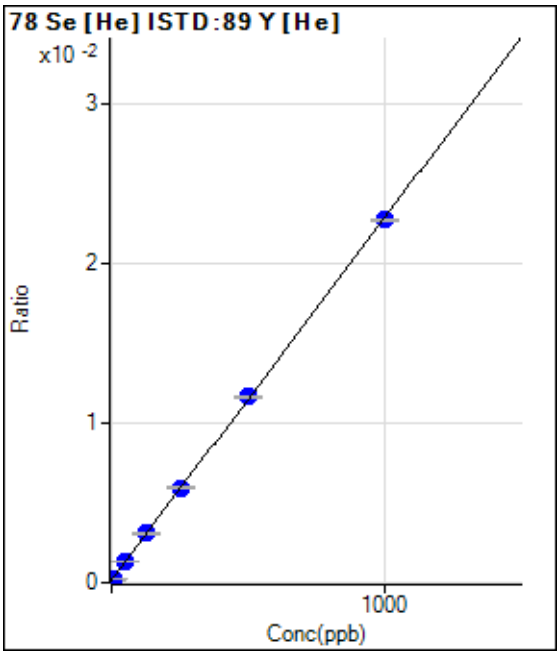


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.
2	☐	5.000	6.828	96.67	0.0000	P	6.5
3	☐	50.000	53.259	724.47	0.0004	P	10.6
4	☐	125.000	127.641	1729.00	0.0009	P	5.0
5	☐	250.000	253.815	3380.41	0.0017	P	3.5
6	☐	500.000	501.335	6682.68	0.0034	P	2.3
7	☐	1000.000	997.876	13343.90	0.0068	P	1.5
8	☐			28.89	0.0000	P	12.0

y = 6.7928E-006 * x + 1.0714E-006
R = 1.0000
DL = 0.8196

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	343.34	0.0002	P	4.6
2	☐	5.000	4.772	560.01	0.0003	P	4.4
3	☐	50.000	51.806	2680.27	0.0013	P	5.1
4	☐	125.000	130.216	6222.49	0.0031	P	4.2
5	☐	250.000	255.261	11683.58	0.0060	P	3.8
6	☐	500.000	506.472	22888.91	0.0117	P	0.9
7	☐	1000.000	994.708	44780.78	0.0228	P	0.7
8	☐			354.45	0.0002	P	13.8

y = 2.2706E-005 * x + 1.6648E-004
R = 0.9999
DL = 1.01

Weight: <None>
Min Conc: <None>

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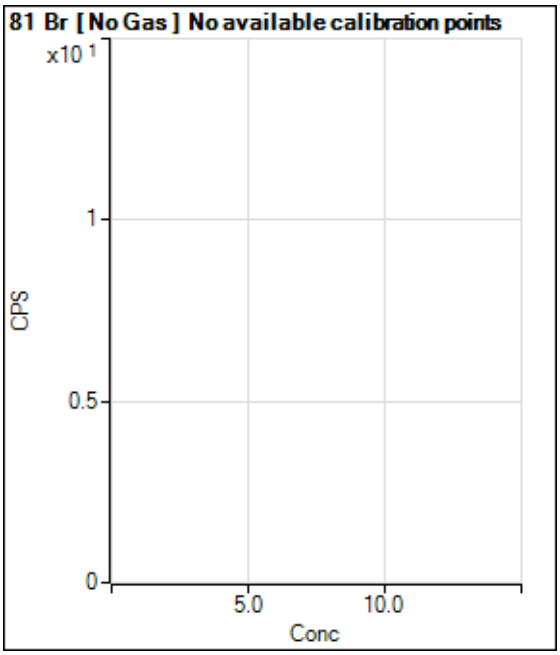
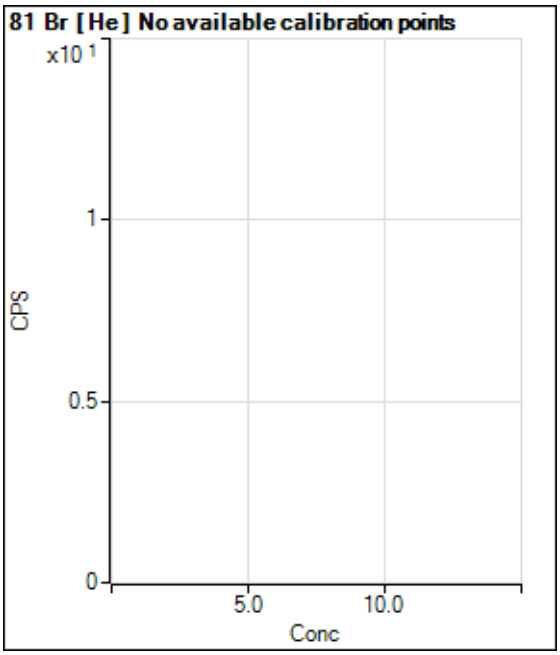


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			7891.08		P	0.7
2	☐			7825.48		P	1.6
3	☐			7471.96		P	2.5
4	☐			7479.74		P	3.9
5	☐			7180.71		P	0.6
6	☐			6991.72		P	1.2
7	☐			7043.96		P	0.1
8	☐			7666.50		P	6.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			137.78		P	9.8
2	☐			110.00		P	18.4
3	☐			117.78		P	7.1
4	☐			116.67		P	9.9
5	☐			96.67		P	15.8
6	☐			138.89		P	5.0
7	☐			108.89		P	12.7
8	☐			134.44		P	17.6

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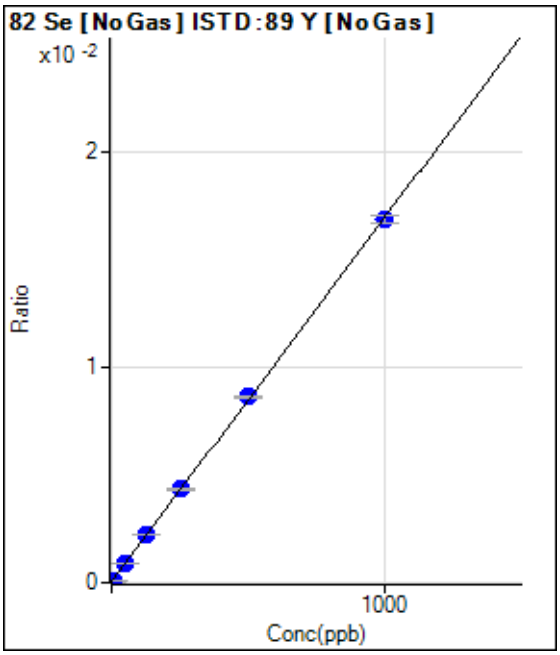
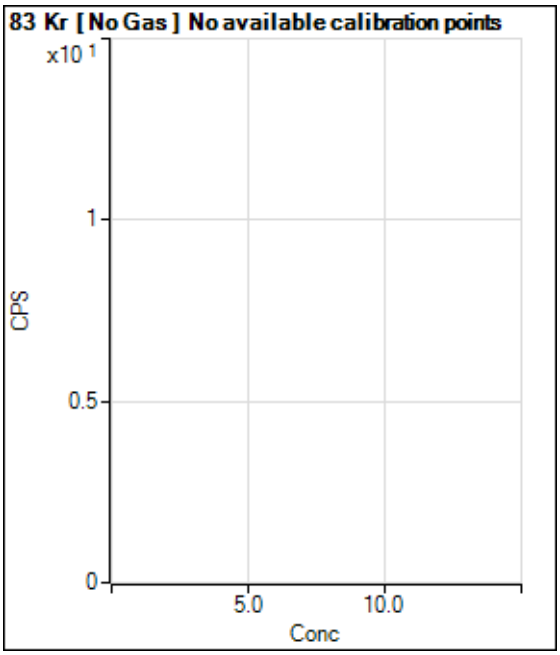


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	284.82	0.0000	P	12.0
2	☐	5.000	4.986	858.28	0.0001	P	9.8
3	☐	50.000	49.825	5882.24	0.0009	P	1.5
4	☐	125.000	129.543	14841.32	0.0022	P	1.3
5	☐	250.000	254.485	28164.99	0.0043	P	1.0
6	☐	500.000	507.882	55702.81	0.0086	P	0.4
7	☐	1000.000	994.379	110379.13	0.0168	P	2.0
8	☐			348.45	0.0001	P	6.8

y = 1.6866E-005 * x + 4.2131E-005
R = 0.9999
DL = 0.9016

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			318.90		P	1.6
2	☐			372.23		P	10.5
3	☐			402.23		P	4.9
4	☐			375.56		P	16.8
5	☐			378.90		P	1.3
6	☐			357.79		P	5.6
7	☐			331.12		P	18.7
8	☐			376.68		P	2.3

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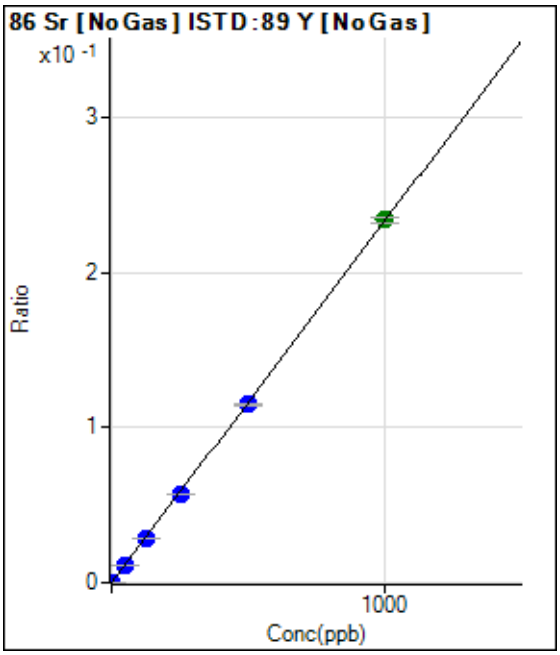
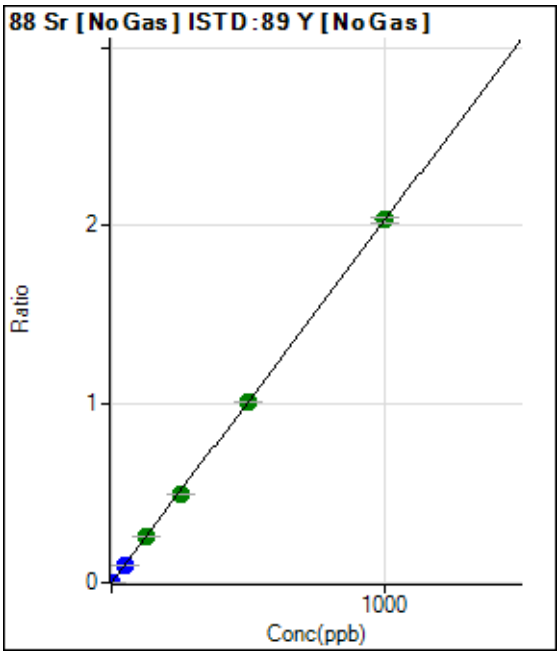


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	547.79	0.0001	P	5.7
2	☐	1.000	1.044	2203.52	0.0003	P	3.4
3	☐	50.000	48.599	75927.04	0.0114	P	0.8
4	☐	125.000	124.035	192901.37	0.0289	P	0.2
5	☐	250.000	244.810	370705.52	0.0571	P	1.1
6	☐	500.000	493.866	744223.61	0.1150	P	0.7
7	☐	1000.000	1004.555	1535345.60	0.2339	A	1.8
8	☐			20929.44	0.0031	P	2.2

y = 2.3272E-004 * x + 8.1079E-005
R = 1.0000
DL = 0.0593

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90.00	0.0000	P	13.6
2	☐	1.000	1.042	14478.33	0.0021	P	1.1
3	☐	50.000	49.309	667287.23	0.1001	P	1.3
4	☐	125.000	126.268	1708300.22	0.2563	A	1.5
5	☐	250.000	245.395	3237155.58	0.4982	A	1.1
6	☐	500.000	498.596	6549653.24	1.0122	A	0.5
7	☐	1000.000	1001.729	13350858.55	2.0336	A	1.9
8	☐			178049.13	0.0260	P	1.2

y = 0.0020 * x + 1.3326E-005
R = 1.0000
DL = 0.002678

Weight: <None>
Min Conc: <None>

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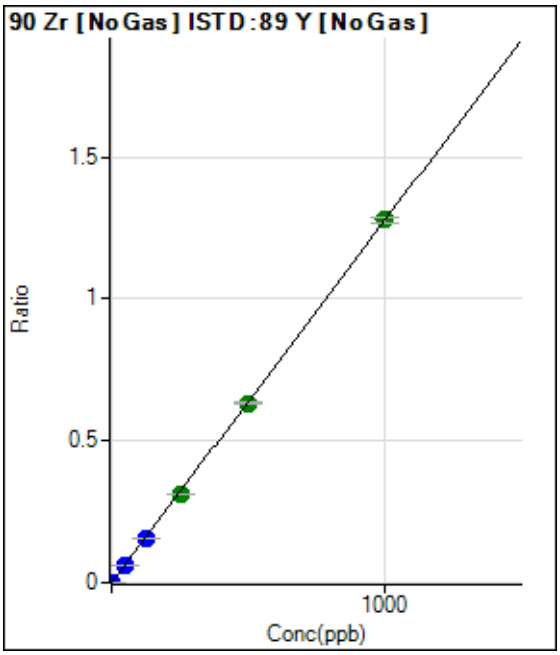
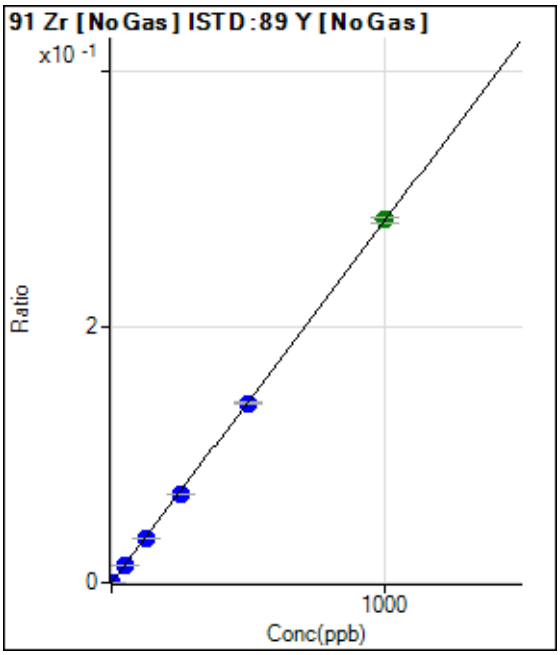


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	262.22	0.0000	P	16.2
2	☐	1.000	1.011	9020.63	0.0013	P	2.1
3	☐	50.000	48.475	411857.33	0.0618	P	1.1
4	☐	125.000	123.759	1050884.66	0.1577	P	0.8
5	☐	250.000	245.147	2029447.47	0.3123	A	0.6
6	☐	500.000	496.659	4094269.31	0.6327	A	1.2
7	☐	1000.000	1003.115	8389710.15	1.2779	A	1.8
8	☐			7926.65	0.0012	P	3.7

y = 0.0013 * x + 3.8836E-005
R = 1.0000
DL = 0.01482

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.33	0.0000	P	10.8
2	☐	1.000	1.048	2080.17	0.0003	P	1.3
3	☐	50.000	48.588	91720.01	0.0138	P	0.7
4	☐	125.000	124.180	234271.25	0.0352	P	1.1
5	☐	250.000	244.782	450192.32	0.0693	P	1.2
6	☐	500.000	496.106	908611.48	0.1404	P	0.6
7	☐	1000.000	1003.424	1864353.01	0.2840	A	1.9
8	☐			1785.69	0.0003	P	2.2

y = 2.8302E-004 * x + 9.3730E-006
R = 1.0000
DL = 0.01076

Weight: <None>
Min Conc: <None>

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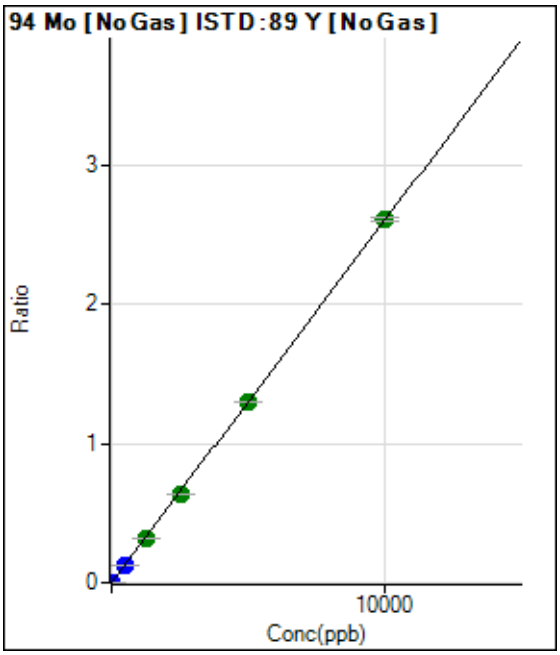
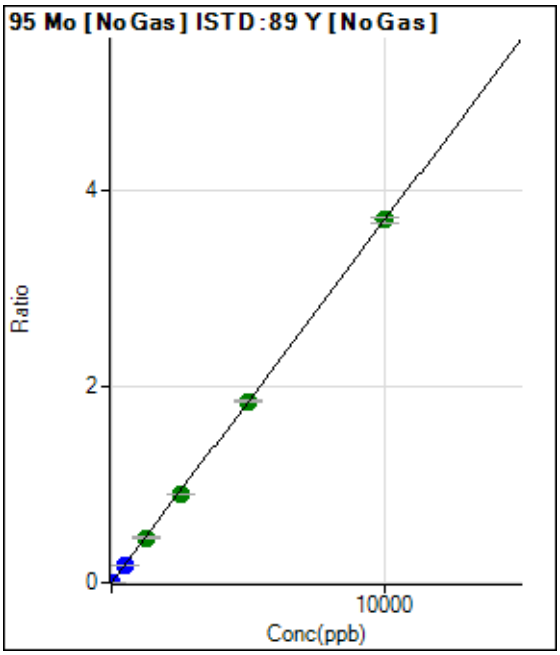


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	215.56	0.0000	P	10.8
2	☐	5.000	6.020	10848.53	0.0016	P	1.4
3	☐	500.000	488.362	845574.13	0.1269	P	1.1
4	☐	1250.000	1230.640	2130083.44	0.3196	A	1.0
5	☐	2500.000	2433.171	4106258.62	0.6319	A	1.0
6	☐	5000.000	4992.102	8389594.46	1.2965	A	0.9
7	☐	10000.000	10023.658	17090961.00	2.6032	A	0.9
8	☐			8535.91	0.0012	P	1.0

y = 2.5970E-004 * x + 3.1890E-005
R = 1.0000
DL = 0.03989

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	148.89	0.0000	P	18.5
2	☐	5.000	5.249	13351.74	0.0020	P	2.2
3	☐	500.000	485.464	1197082.65	0.1796	P	1.0
4	☐	1250.000	1237.172	3049632.63	0.4577	A	2.6
5	☐	2500.000	2436.899	5857108.46	0.9014	A	1.1
6	☐	5000.000	5013.876	12001003.57	1.8547	A	1.0
7	☐	10000.000	10011.167	24311778.25	3.7032	A	1.7
8	☐			9343.05	0.0014	P	4.1

y = 3.6990E-004 * x + 2.2043E-005
R = 1.0000
DL = 0.03302

Weight: <None>
Min Conc: <None>

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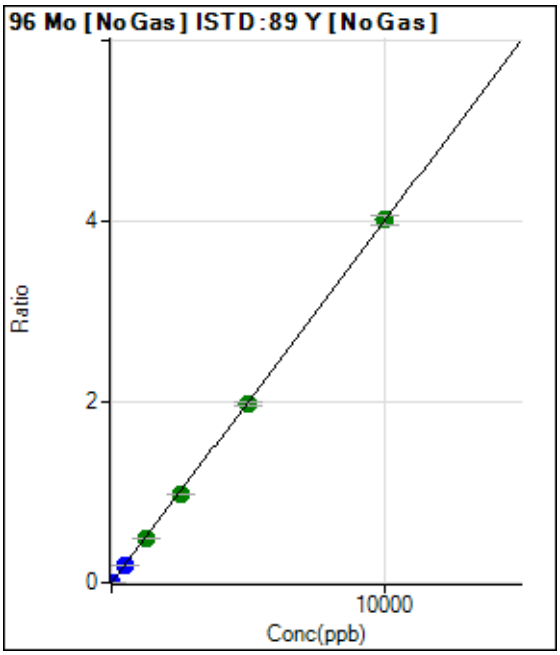
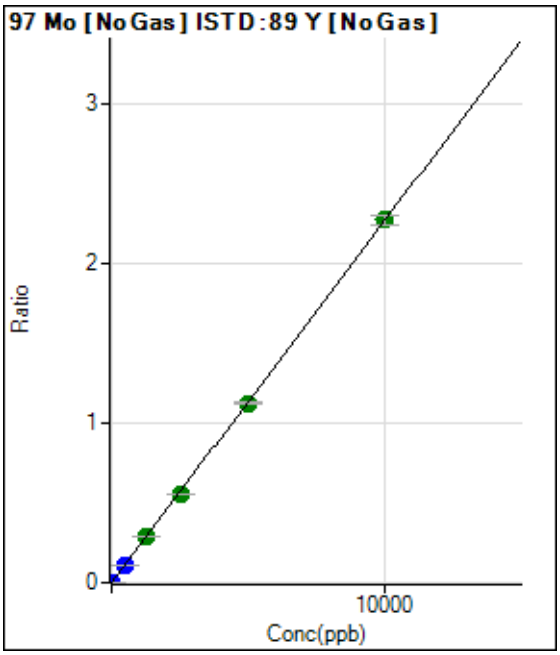


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	258.89	0.0000	P	17.4
2	☐	5.000	5.273	14586.24	0.0021	P	0.5
3	☐	500.000	489.662	1304289.10	0.1957	P	1.1
4	☐	1250.000	1228.387	3270862.35	0.4908	A	1.1
5	☐	2500.000	2453.251	6369770.74	0.9802	A	0.9
6	☐	5000.000	4961.205	12827301.61	1.9823	A	1.8
7	☐	10000.000	10034.303	26321591.83	4.0092	A	2.3
8	☐			13440.71	0.0020	P	0.1

y = 3.9955E-004 * x + 3.8264E-005
R = 1.0000
DL = 0.04995

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	140.00	0.0000	P	6.8
2	☐	5.000	5.313	8338.00	0.0012	P	2.1
3	☐	500.000	488.736	739339.40	0.1109	P	0.6
4	☐	1250.000	1254.566	1897317.19	0.2847	A	0.5
5	☐	2500.000	2458.308	3624683.14	0.5578	A	0.7
6	☐	5000.000	4958.000	7280095.10	1.1251	A	1.0
7	☐	10000.000	10031.415	14942409.22	2.2763	A	2.4
8	☐			6081.31	0.0009	P	0.7

y = 2.2691E-004 * x + 2.0719E-005
R = 1.0000
DL = 0.01874

Weight: <None>
Min Conc: <None>

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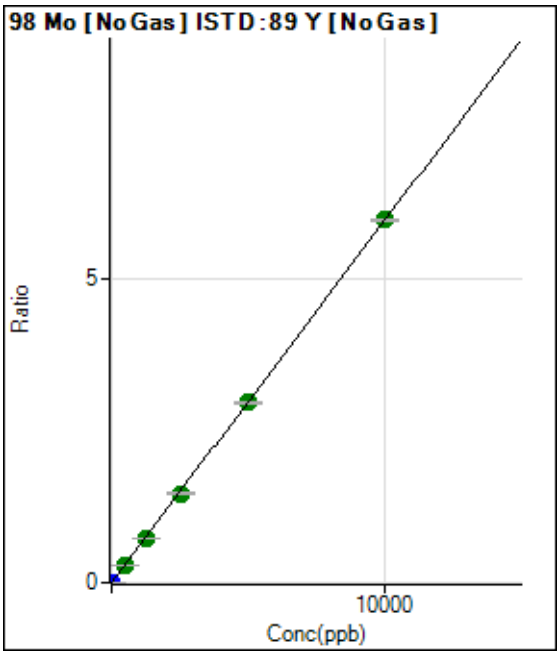
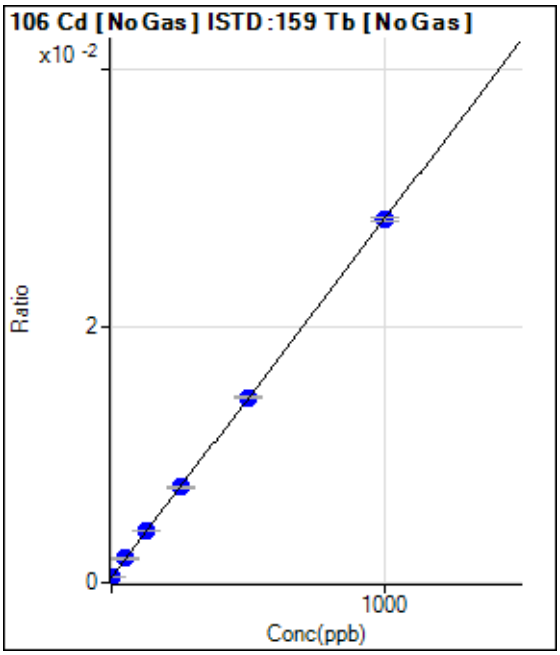


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	333.34	0.0000	P	10.3
2	☐	5.000	5.195	21434.71	0.0032	P	0.8
3	☐	500.000	488.714	1945800.51	0.2919	A	1.5
4	☐	1250.000	1221.527	4862091.98	0.7296	A	2.2
5	☐	2500.000	2467.048	9574015.48	1.4735	A	1.4
6	☐	5000.000	4975.741	19230600.69	2.9718	A	1.4
7	☐	10000.000	10024.491	39309404.69	5.9872	A	0.6
8	☐			15195.77	0.0022	P	1.1

y = 5.9725E-004 * x + 4.9343E-005
R = 1.0000
DL = 0.02552

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1939.04	0.0004	P	4.1
2	☐	1.000	0.894	2030.16	0.0004	P	10.3
3	☐	50.000	52.322	8497.00	0.0019	P	2.9
4	☐	125.000	130.569	18826.79	0.0041	P	1.2
5	☐	250.000	251.433	34606.90	0.0074	P	2.9
6	☐	500.000	502.138	67875.40	0.0145	P	1.2
7	☐	1000.000	997.761	134814.78	0.0283	P	1.0
8	☐			2001.27	0.0004	P	3.5

y = 2.7965E-005 * x + 4.1446E-004
R = 1.0000
DL = 1.812

Weight: <None>
Min Conc: <None>

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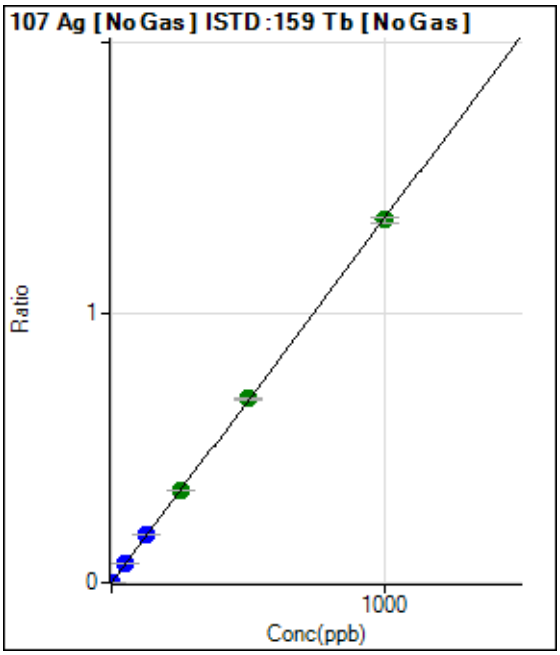
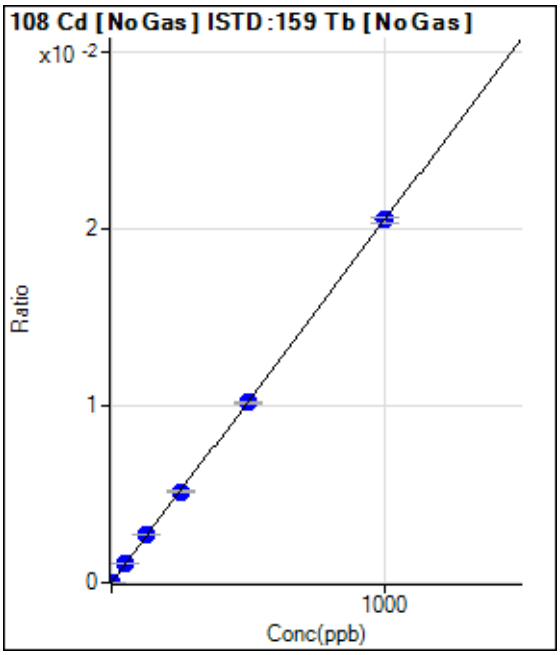


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78.89	0.0000	P	12.6
2	☐	1.000	1.106	6980.63	0.0015	P	3.1
3	☐	50.000	53.206	325321.74	0.0719	P	1.1
4	☐	125.000	132.338	827754.49	0.1788	P	0.7
5	☐	250.000	253.022	1588596.94	0.3418	A	1.8
6	☐	500.000	504.890	3201859.61	0.6820	A	1.2
7	☐	1000.000	995.722	6402613.65	1.3449	A	1.7
8	☐			5347.70	0.0011	P	3.6

y = 0.0014 * x + 1.6851E-005
R = 1.0000
DL = 0.004726

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	55.9
2	☐	1.000	1.116	117.78	0.0000	P	6.0
3	☐	50.000	52.555	4888.64	0.0011	P	0.5
4	☐	125.000	132.414	12583.32	0.0027	P	1.3
5	☐	250.000	250.501	23886.42	0.0051	P	1.6
6	☐	500.000	496.549	47814.21	0.0102	P	1.3
7	☐	1000.000	1000.546	97679.69	0.0205	P	1.3
8	☐			63.33	0.0000	P	25.1

y = 2.0504E-005 * x + 2.6044E-006
R = 1.0000
DL = 0.2132

Weight: <None>
Min Conc: <None>

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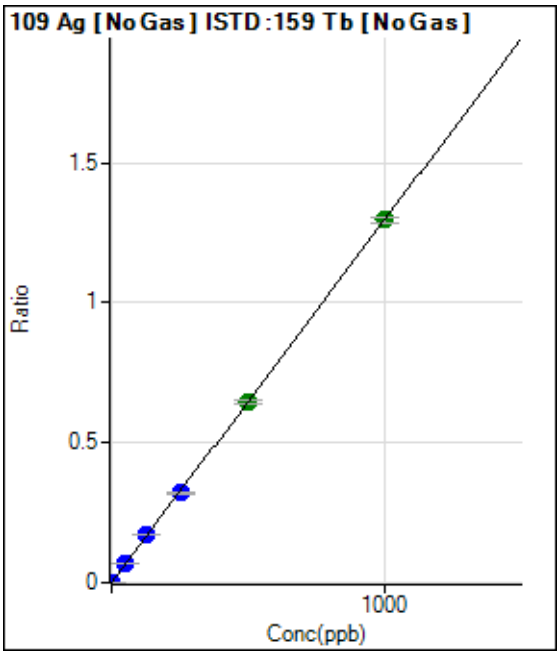
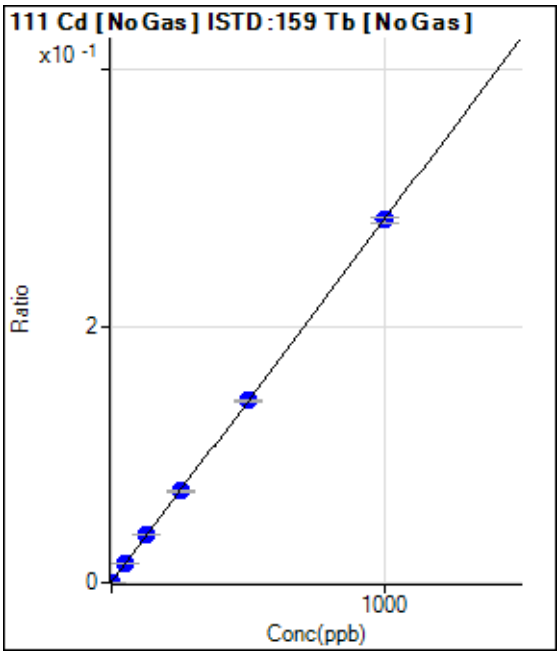


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.78	0.0000	P	23.3
2	☐	1.000	1.124	6798.33	0.0015	P	2.2
3	☐	50.000	52.697	309192.78	0.0683	P	0.5
4	☐	125.000	131.262	787808.16	0.1701	P	1.5
5	☐	250.000	247.896	1493568.54	0.3213	P	1.1
6	☐	500.000	498.539	3033898.53	0.6462	A	1.6
7	☐	1000.000	1000.339	6172547.82	1.2966	A	1.5
8	☐			4949.77	0.0010	P	0.9

y = 0.0013 * x + 1.4515E-005
R = 1.0000
DL = 0.007825

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1375.44	0.0003	P	3.2
2	☐	1.000	1.165	2882.10	0.0006	P	8.1
3	☐	50.000	53.245	69541.42	0.0154	P	1.8
4	☐	125.000	131.993	174369.33	0.0377	P	1.2
5	☐	250.000	252.156	333150.63	0.0717	P	1.8
6	☐	500.000	500.345	666384.20	0.1419	P	0.7
7	☐	1000.000	998.252	1346696.37	0.2829	P	1.6
8	☐			1993.24	0.0004	P	4.1

y = 2.8308E-004 * x + 2.9401E-004
R = 1.0000
DL = 0.1009

Weight: <None>
Min Conc: <None>

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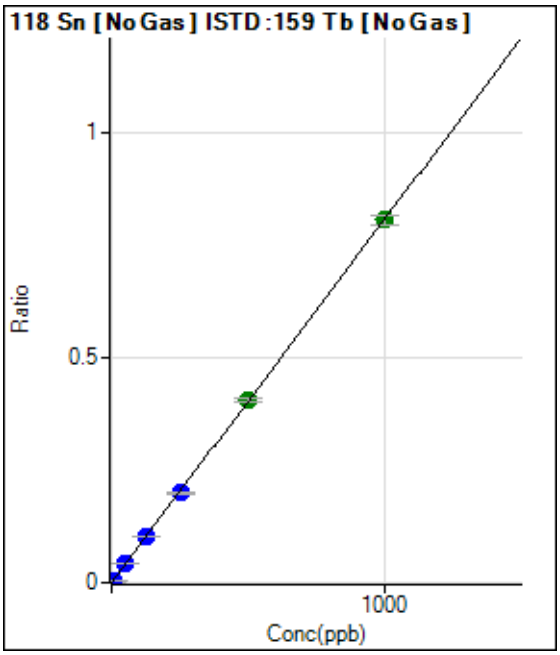
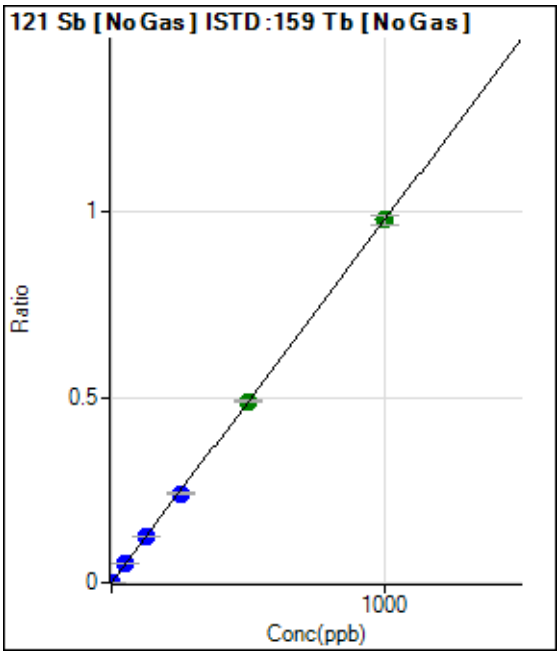


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	992.27	0.0002	P	7.7
2	☐	5.000	5.518	21575.14	0.0047	P	0.5
3	☐	50.000	51.386	188733.24	0.0417	P	0.5
4	☐	125.000	127.347	477073.91	0.1030	P	1.4
5	☐	250.000	247.211	928790.33	0.1998	P	1.2
6	☐	500.000	502.691	1906765.96	0.4061	A	1.6
7	☐	1000.000	998.987	3841264.81	0.8068	A	2.7
8	☐			5585.58	0.0011	P	2.5

y = 8.0742E-004 * x + 2.1225E-004
R = 1.0000
DL = 0.06074

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	48.89	0.0000	P	61.5
2	☐	2.000	2.169	9866.78	0.0021	P	0.9
3	☐	50.000	50.961	225908.46	0.0499	P	0.6
4	☐	125.000	127.730	579222.02	0.1251	P	0.5
5	☐	250.000	245.555	1117712.88	0.2405	P	1.8
6	☐	500.000	499.977	2298768.44	0.4896	A	0.7
7	☐	1000.000	1000.733	4665044.69	0.9800	A	2.4
8	☐			9564.38	0.0020	P	4.1

y = 9.7923E-004 * x + 1.0430E-005
R = 1.0000
DL = 0.01964

Weight: <None>
Min Conc: <None>

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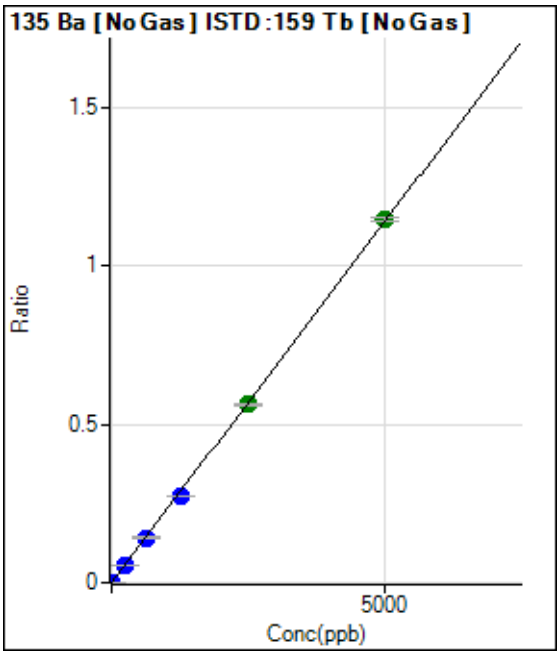
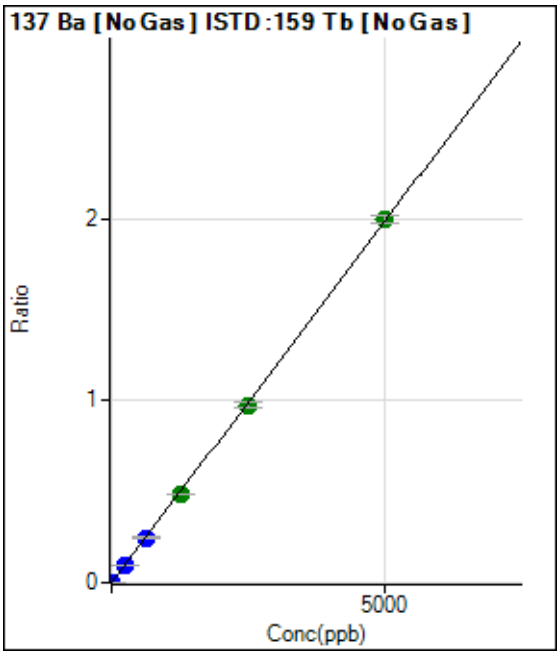


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45.55	0.0000	P	14.3
2	☐	10.000	10.534	11132.22	0.0024	P	1.6
3	☐	250.000	249.573	257226.88	0.0568	P	0.9
4	☐	625.000	622.591	656442.56	0.1418	P	1.5
5	☐	1250.000	1200.144	1270232.81	0.2733	P	1.6
6	☐	2500.000	2472.055	2642777.58	0.5629	A	1.3
7	☐	5000.000	5026.758	5448947.91	1.1446	A	1.2
8	☐			8927.31	0.0018	P	5.8

y = 2.2770E-004 * x + 9.7306E-006
R = 0.9999
DL = 0.01835

Weight: <None>
Min Conc: <None>



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1	☐	0.000	0.000	60.00	0.0000	P	8.9
2	☐	10.000	10.635	19543.54	0.0042	P	1.2
3	☐	250.000	248.441	445763.34	0.0985	P	0.2
4	☐	625.000	623.180	1143801.85	0.2470	P	1.8
5	☐	1250.000	1224.052	2255449.27	0.4852	A	1.1
6	☐	2500.000	2462.762	4583593.33	0.9762	A	2.6
7	☐	5000.000	5025.410	9484723.19	1.9920	A	2.3
8	☐			15377.33	0.0032	P	2.3

y = 3.9639E-004 * x + 1.2823E-005
R = 0.9999
DL = 0.008623

Weight: <None>
Min Conc: <None>

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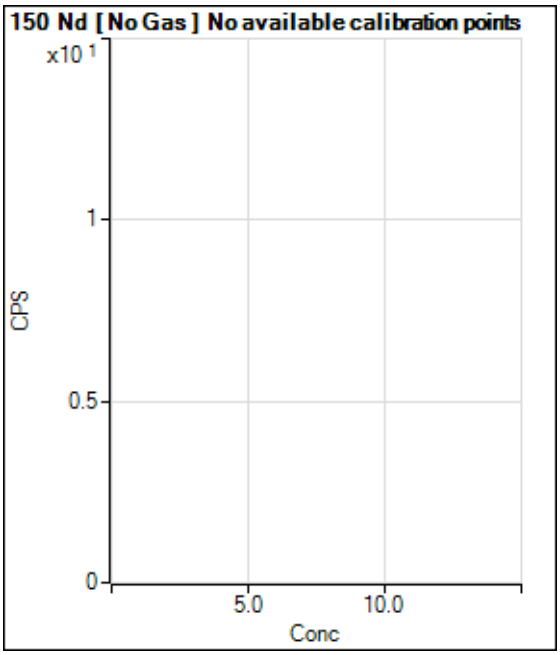
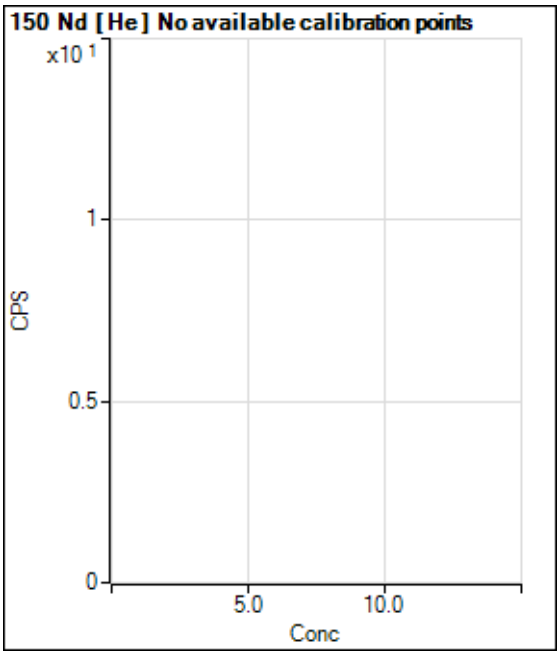


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	86.6
2	☐			4.44		P	114.
3	☐			18.89		P	71.3
4	☐			31.11		P	43.3
5	☐			65.56		P	17.9
6	☐			132.23		P	18.9
7	☐			250.00		P	4.0
8	☐			87.78		P	11.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.
3	☐			13.33		P	90.2
4	☐			10.00		P	33.3
5	☐			31.11		P	16.4
6	☐			37.78		P	22.2
7	☐			92.22		P	13.7
8	☐			74.44		P	13.7

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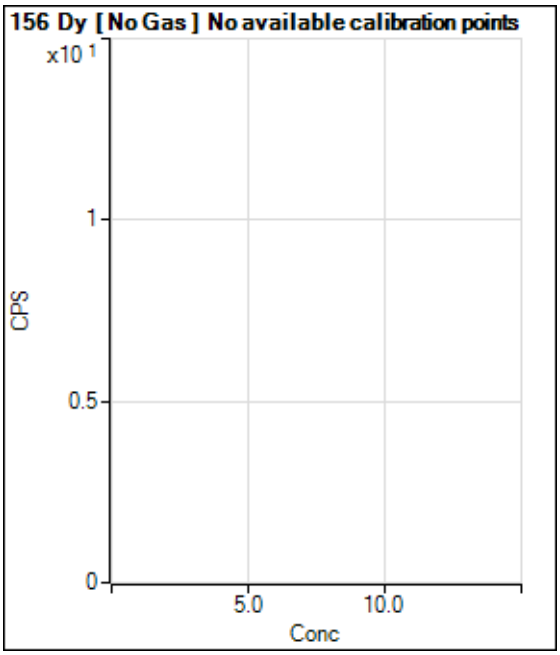
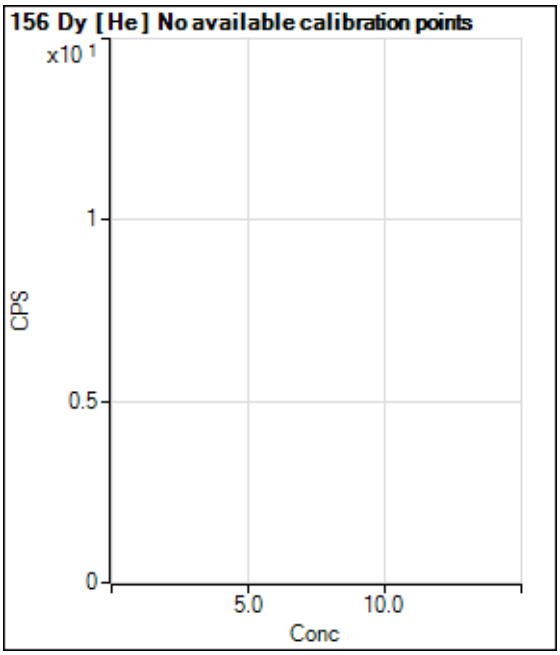


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			7.78		P	24.7
2	☐			8.89		P	78.1
3	☐			18.89		P	27.0
4	☐			28.89		P	17.6
5	☐			56.67		P	11.8
6	☐			86.67		P	21.4
7	☐			148.89		P	29.2
8	☐			224.45		P	14.9



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1	☐			2.22		P	86.6
2	☐			11.11		P	69.3
3	☐			26.67		P	45.1
4	☐			55.56		P	15.1
5	☐			105.56		P	9.1
6	☐			221.12		P	8.3
7	☐			423.34		P	17.6
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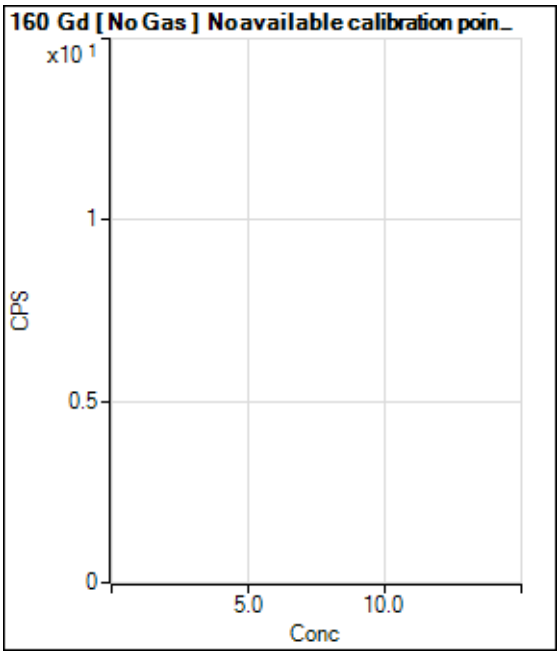

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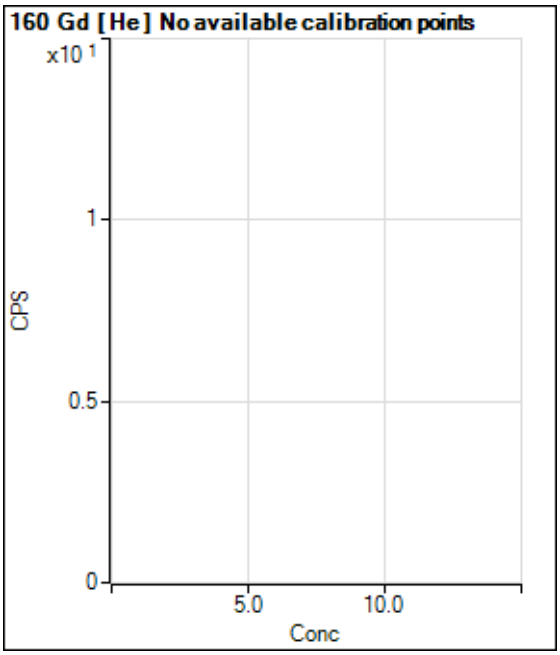
1	☐			26.67		P	12.5
2	☐			30.00		P	48.4
3	☐			20.00		P	33.4
4	☐			24.44		P	31.5
5	☐			45.56		P	11.2
6	☐			65.56		P	12.8
7	☐			110.00		P	16.0
8	☐			281.12		P	5.9



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1	☐			260.00		P	11.2
2	☐			290.01		P	3.4
3	☐			268.90		P	7.0
4	☐			257.78		P	8.3
5	☐			261.12		P	15.3
6	☐			301.12		P	14.1
7	☐			323.34		P	10.2
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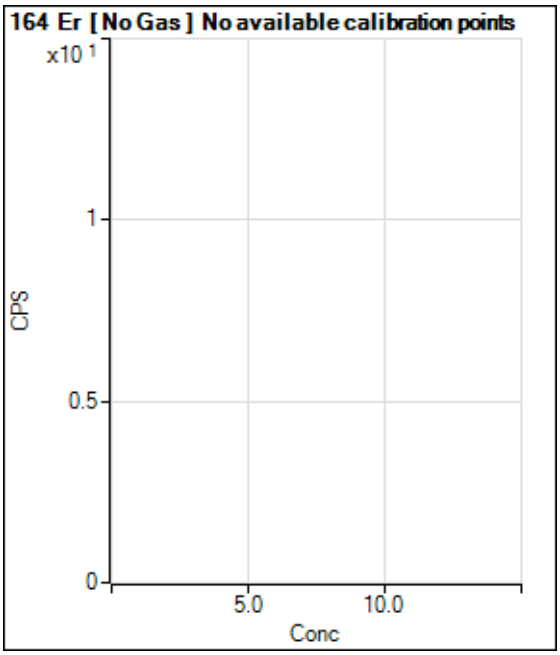

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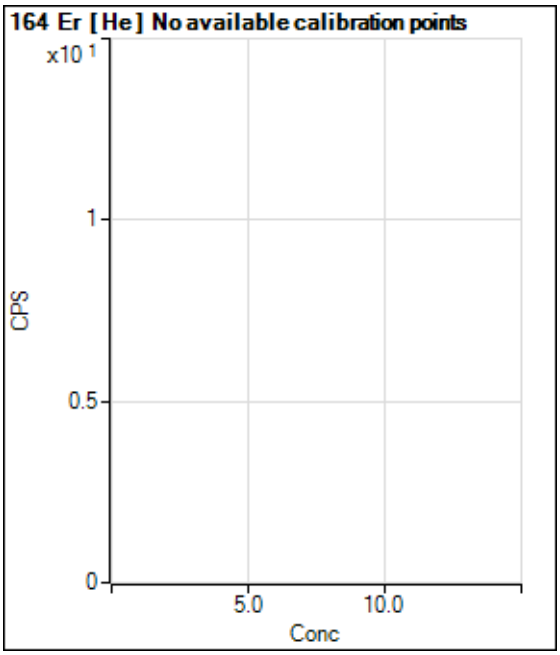
1	☐			21.11		P	63.8
2	☐			26.67		P	37.5
3	☐			38.89		P	13.1
4	☐			54.44		P	9.4
5	☐			60.00		P	20.0
6	☐			84.44		P	42.6
7	☐			200.00		P	11.7
8	☐			527.79		P	5.7



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1	☐			11.11		P	17.3
2	☐			14.44		P	35.3
3	☐			33.33		P	40.0
4	☐			34.44		P	40.3
5	☐			42.22		P	31.9
6	☐			72.22		P	20.8
7	☐			125.56		P	21.5
8	☐			393.34		P	11.4

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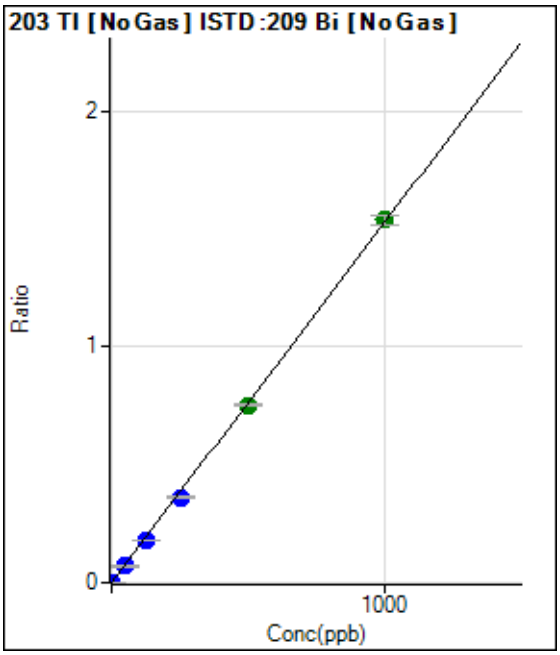
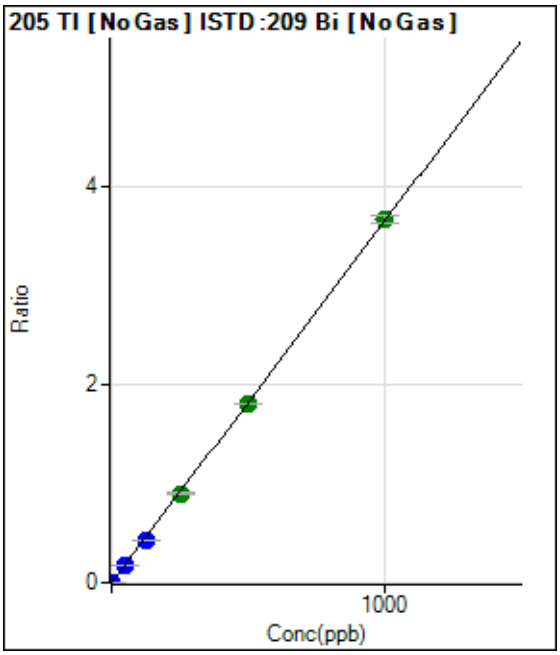


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	160.00	0.0001	P	14.8
2	☐	1.000	1.063	4982.08	0.0017	P	2.2
3	☐	50.000	45.688	207623.57	0.0698	P	1.6
4	☐	125.000	119.372	545563.41	0.1823	P	1.0
5	☐	250.000	236.265	1068387.14	0.3608	P	1.4
6	☐	500.000	493.781	2299197.83	0.7540	A	1.9
7	☐	1000.000	1007.462	4730367.78	1.5384	A	2.9
8	☐			6130.33	0.0022	P	3.7

y = 0.0015 * x + 5.3498E-005
R = 0.9999
DL = 0.01551

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	460.01	0.0002	P	8.8
2	☐	1.000	1.043	11742.95	0.0039	P	3.3
3	☐	50.000	45.691	495174.62	0.1665	P	1.2
4	☐	125.000	117.845	1284258.03	0.4292	P	0.5
5	☐	250.000	245.894	2650831.18	0.8954	A	2.8
6	☐	500.000	495.504	5501609.47	1.8042	A	0.3
7	☐	1000.000	1004.384	11243544.97	3.6569	A	2.2
8	☐			14688.04	0.0052	P	2.6

y = 0.0036 * x + 1.5365E-004
R = 1.0000
DL = 0.01116

Weight: <None>
Min Conc: <None>

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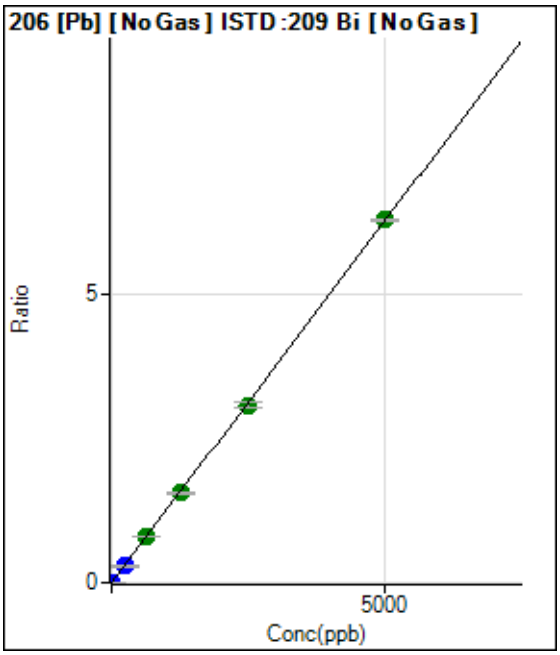
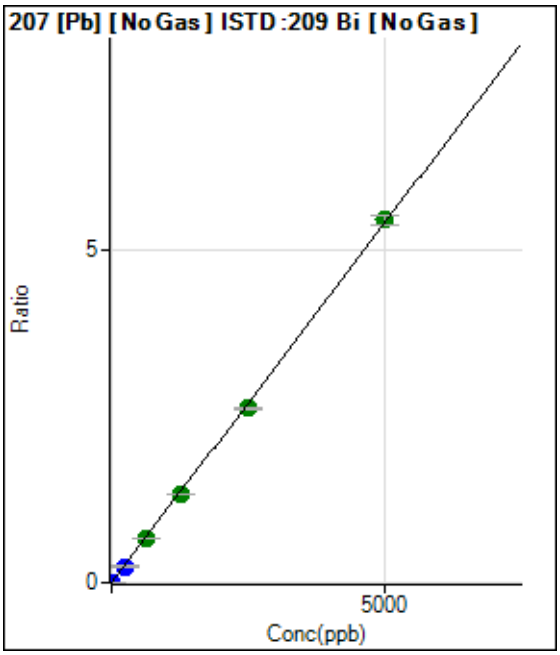


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	272.23	0.0001	P	5.6
2	☐	1.000	1.015	4038.43	0.0014	P	1.9
3	☐	250.000	227.773	846408.79	0.2846	P	1.9
4	☐	625.000	629.162	2352097.99	0.7861	A	0.6
5	☐	1250.000	1245.390	4606762.47	1.5559	A	2.2
6	☐	2500.000	2459.742	9369245.56	3.0729	A	2.6
7	☐	5000.000	5021.873	19291158.32	6.2737	A	0.6
8	☐			6829.56	0.0024	P	7.1

y = 0.0012 * x + 9.0913E-005
R = 0.9999
DL = 0.01226

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	207.78	0.0001	P	15.4
2	☐	1.000	1.012	3451.59	0.0012	P	2.1
3	☐	250.000	225.356	723308.02	0.2432	P	2.1
4	☐	625.000	615.379	1986994.12	0.6641	A	1.9
5	☐	1250.000	1223.558	3909875.50	1.3204	A	0.8
6	☐	2500.000	2425.458	7980455.99	2.6173	A	1.4
7	☐	5000.000	5046.316	16741238.92	5.4453	A	2.6
8	☐			5772.39	0.0020	P	4.2

y = 0.0011 * x + 6.9306E-005
R = 0.9998
DL = 0.02975

Weight: <None>
Min Conc: <None>

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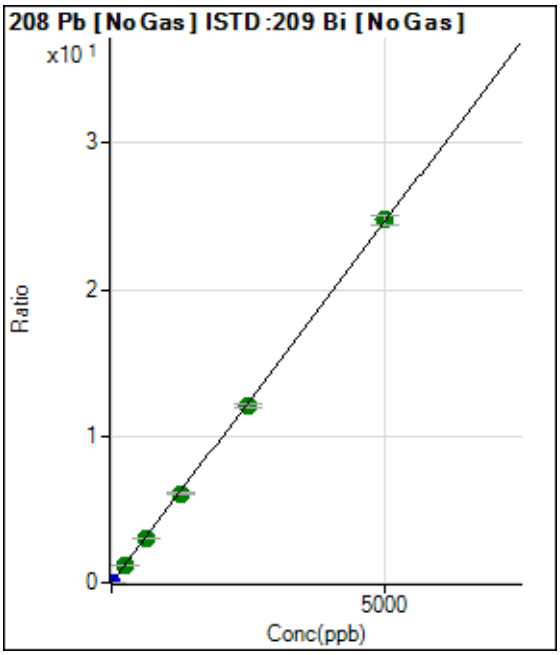
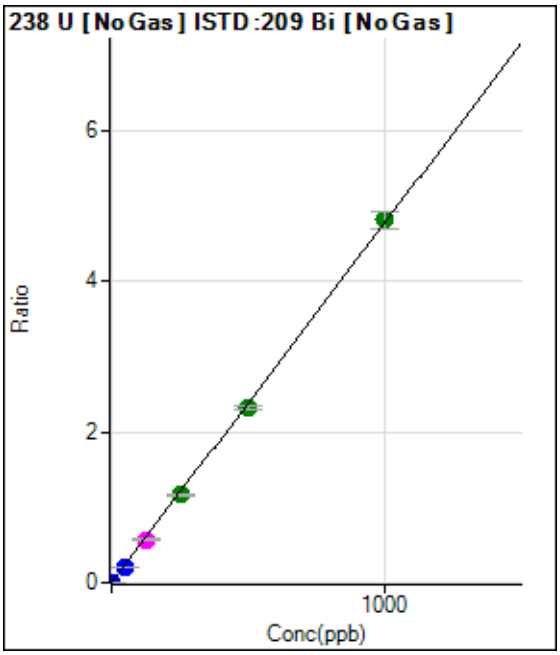


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1020.03	0.0003	P	3.2
2	☐	1.000	1.014	15853.79	0.0053	P	1.0
3	☐	250.000	234.730	3437165.96	1.1558	A	1.6
4	☐	625.000	622.615	9171790.05	3.0653	A	0.9
5	☐	1250.000	1233.002	17974216.16	6.0700	A	1.4
6	☐	2500.000	2456.543	36873723.48	12.0931	A	1.9
7	☐	5000.000	5027.039	76083954.98	24.7469	A	2.4
8	☐			26733.89	0.0094	P	3.9

y = 0.0049 * x + 3.4055E-004
R = 0.9999
DL = 0.006587

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	232.23	0.0001	P	12.5
2	☐	1.000	0.986	14219.96	0.0048	P	1.7
3	☐	50.000	43.407	616445.40	0.2073	P	2.1
4	☐	125.000	118.545	1693513.39	0.5660	M	5.4
5	☐	250.000	244.922	3462183.53	1.1694	A	2.0
6	☐	500.000	487.228	7092806.98	2.3261	A	2.8
7	☐	1000.000	1008.792	14804912.70	4.8161	A	4.4
8	☐			622.25	0.0002	P	12.6

y = 0.0048 * x + 7.7564E-005
R = 0.9999
DL = 0.006084

Weight: <None>
Min Conc: <None>

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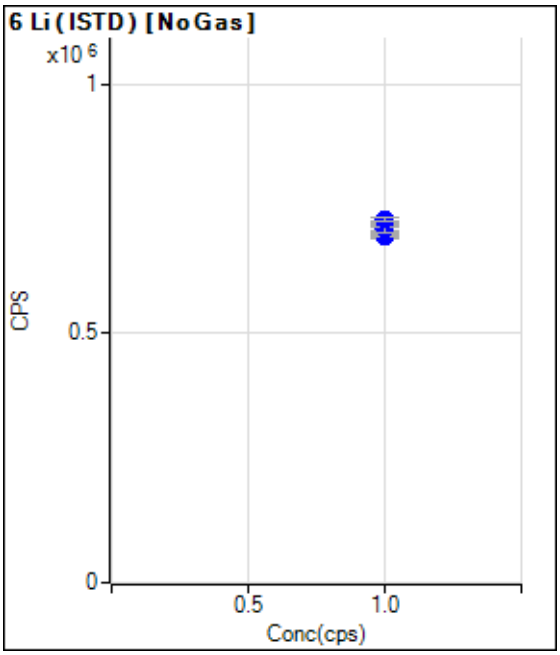

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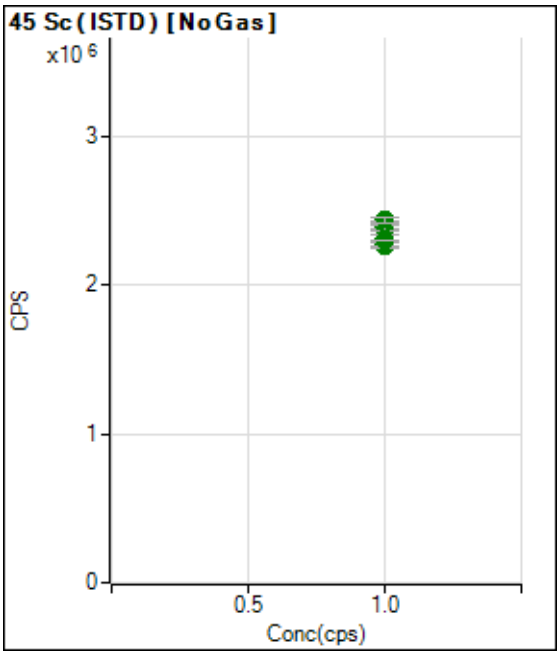
1	☐	1.000		721378.86		P	0.1
2	☐	1.000		716362.75		P	0.2
3	☐	1.000		704280.21		P	0.5
4	☐	1.000		694447.46		P	0.3
5	☐	1.000		693282.61		P	0.3
6	☐	1.000		696240.97		P	0.2
7	☐	1.000		709369.12		P	1.4
8	☐	1.000		728061.93		P	1.2



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1	☐	1.000		2412510.07		A	0.8
2	☐	1.000		2375606.54		A	0.3
3	☐	1.000		2381889.46		A	2.0
4	☐	1.000		2310763.75		A	1.8
5	☐	1.000		2276046.41		A	1.1
6	☐	1.000		2254899.29		A	0.6
7	☐	1.000		2298445.45		A	0.2
8	☐	1.000		2434586.81		A	1.4

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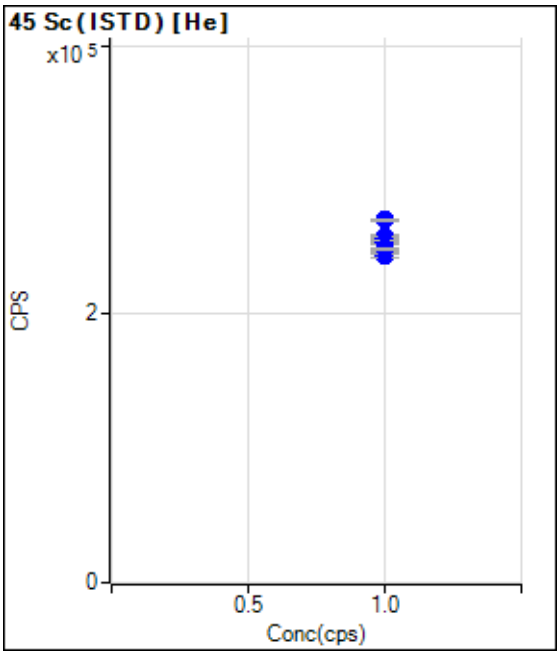

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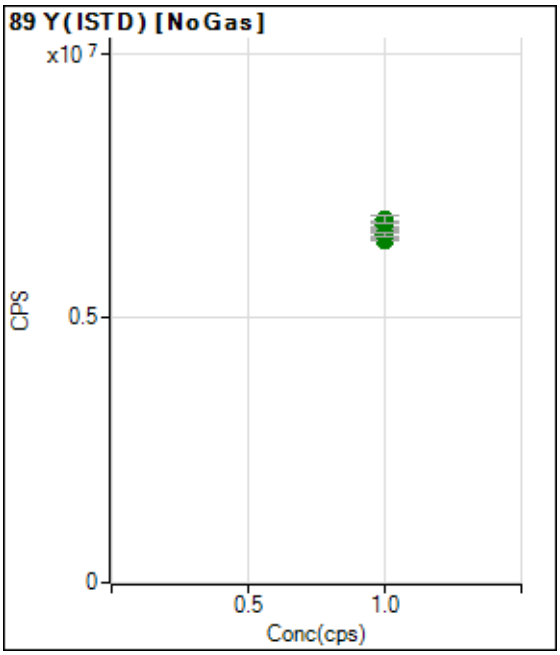
1	☐	1.000		257378.30		P	1.2
2	☐	1.000		256025.72		P	1.5
3	☐	1.000		253493.92		P	0.7
4	☐	1.000		247179.19		P	0.7
5	☐	1.000		243737.72		P	1.1
6	☐	1.000		246083.16		P	0.5
7	☐	1.000		248840.19		P	0.3
8	☐	1.000		270280.39		P	0.3



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6759107.89		A	1.1
2	☐	1.000		6799928.16		A	0.6
3	☐	1.000		6665572.40		A	0.5
4	☐	1.000		6664181.43		A	0.8
5	☐	1.000		6497949.91		A	0.9
6	☐	1.000		6470763.58		A	0.5
7	☐	1.000		6565815.11		A	1.4
8	☐	1.000		6848328.85		A	2.3

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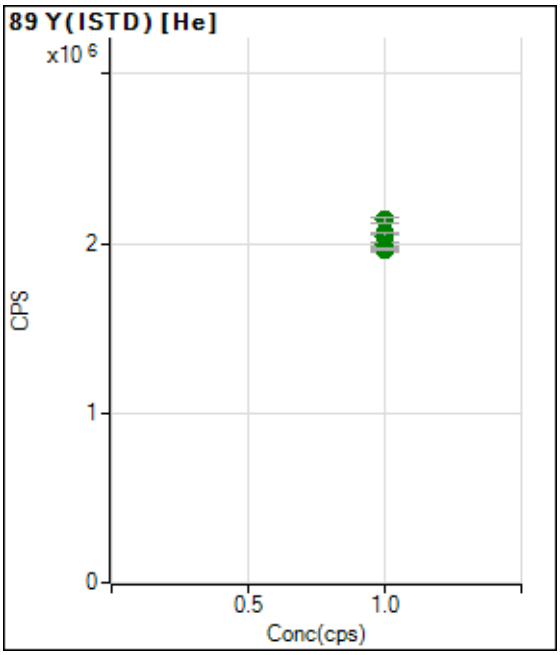

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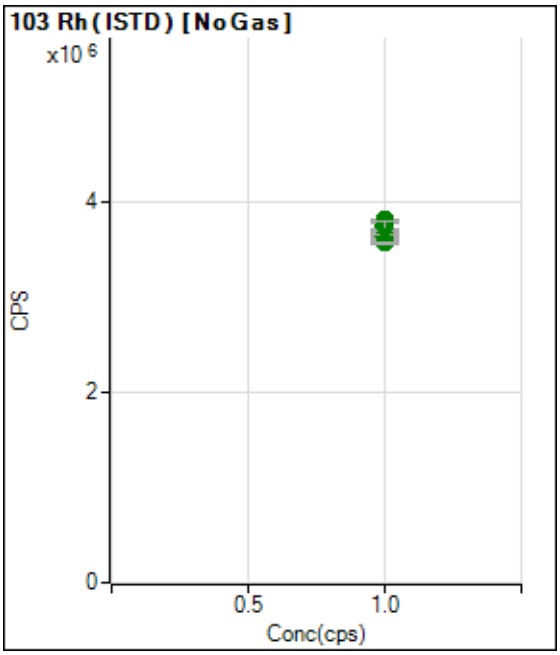
1	☐	1.000		2062248.04		A	0.6
2	☐	1.000		2038017.73		A	2.7
3	☐	1.000		1996492.23		A	1.3
4	☐	1.000		1992726.50		A	2.0
5	☐	1.000		1959391.19		A	1.5
6	☐	1.000		1961978.58		A	1.3
7	☐	1.000		1968278.25		A	0.6
8	☐	1.000		2139267.97		A	1.6



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2	☐	1.000		3788591.23		A	0.7
3	☐	1.000		3756542.34		A	1.6
4	☐	1.000		3754004.18		A	2.4
5	☐	1.000		3642248.31		A	2.4
6	☐	1.000		3614211.44		A	1.1
7	☐	1.000		3649687.45		A	1.0
8	☐	1.000		3576413.66		A	0.9

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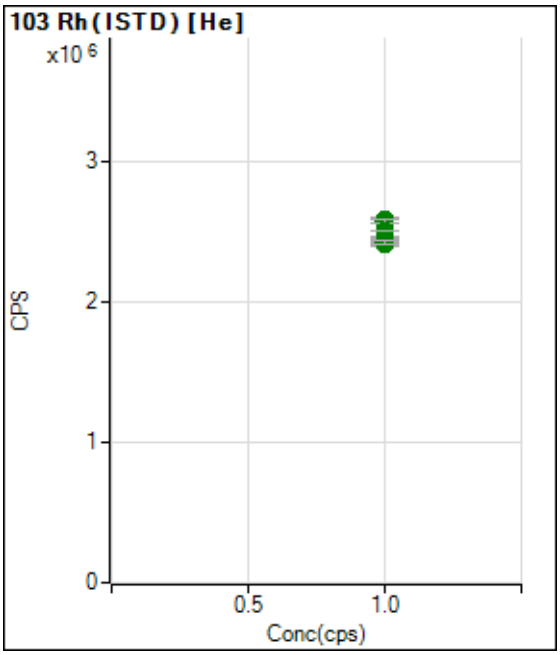

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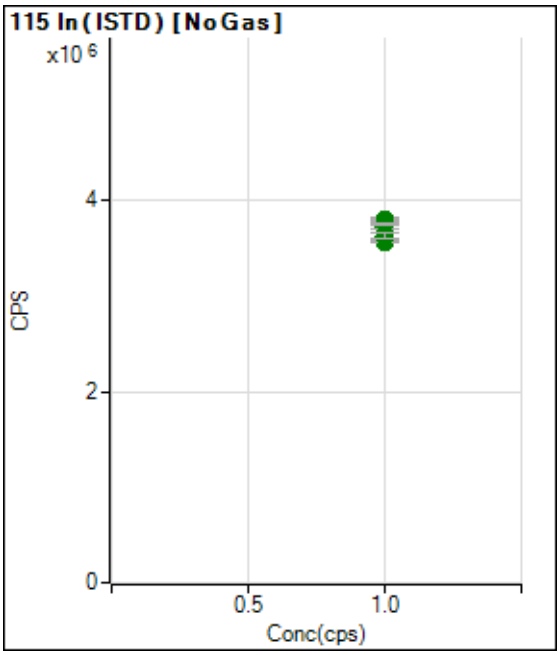
1	☐	1.000		2586671.00		A	1.6
2	☐	1.000		2578138.30		A	1.5
3	☐	1.000		2505197.88		A	0.1
4	☐	1.000		2433666.91		A	2.9
5	☐	1.000		2414817.74		A	0.9
6	☐	1.000		2447110.07		A	0.7
7	☐	1.000		2423941.11		A	1.0
8	☐	1.000		2428327.36		A	1.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3797698.03		A	1.1
2	☐	1.000		3787130.33		A	0.4
3	☐	1.000		3721960.64		A	0.7
4	☐	1.000		3720541.32		A	0.9
5	☐	1.000		3566608.55		A	0.4
6	☐	1.000		3626557.03		A	1.6
7	☐	1.000		3633196.46		A	1.6
8	☐	1.000		3761341.71		A	0.6

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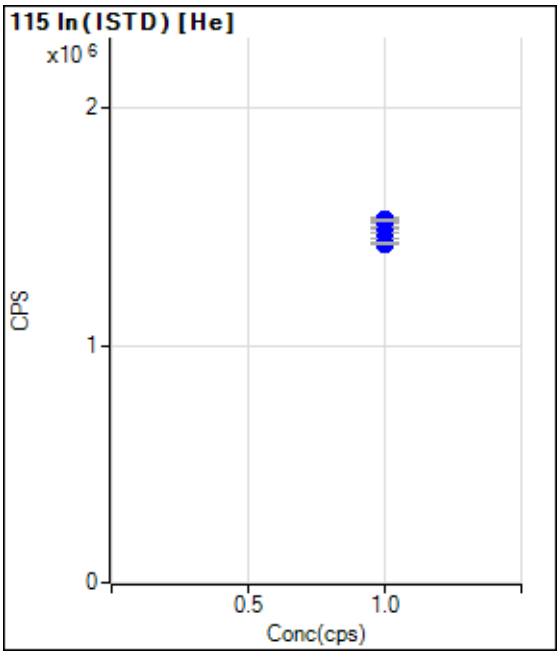

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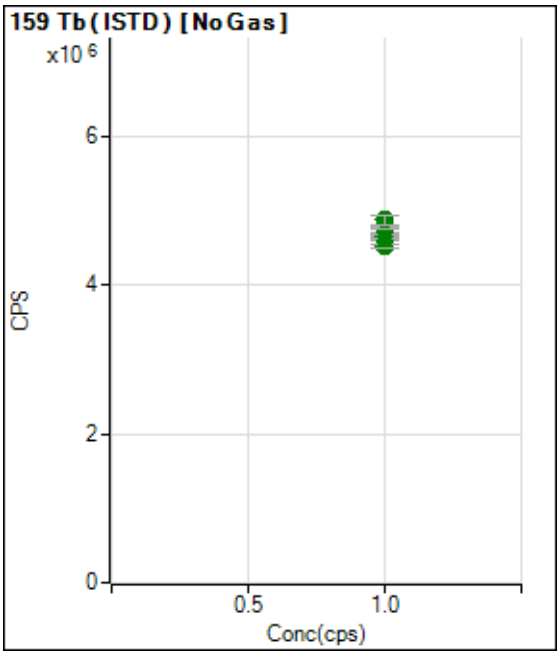
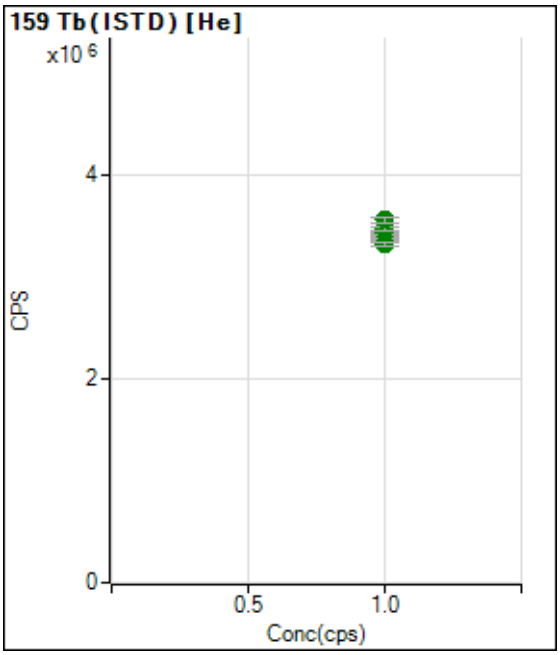
1	☐	1.000		1526321.61		P	1.2
2	☐	1.000		1526885.80		P	0.6
3	☐	1.000		1494678.12		P	0.3
4	☐	1.000		1472773.99		P	0.2
5	☐	1.000		1451185.44		P	0.3
6	☐	1.000		1449160.07		P	0.3
7	☐	1.000		1428177.35		P	0.4
8	☐	1.000		1528771.51		P	0.5

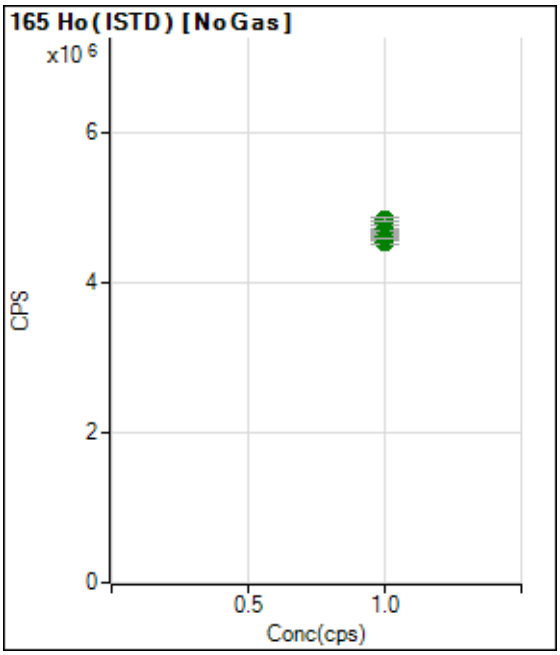


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4677457.01		A	1.1
2	☐	1.000		4622340.28		A	1.1
3	☐	1.000		4525870.32		A	0.9
4	☐	1.000		4630677.26		A	1.1
5	☐	1.000		4648559.20		A	0.8
6	☐	1.000		4695270.17		A	0.7
7	☐	1.000		4760908.30		A	0.6
8	☐	1.000		4875936.18		A	2.9

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

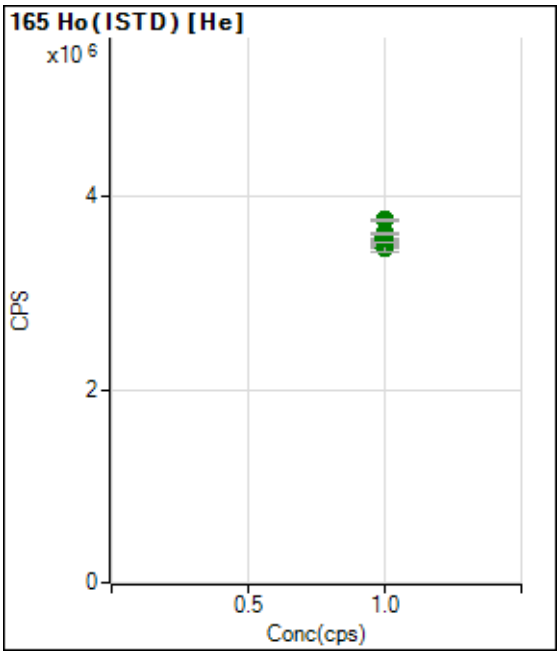


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3465708.39		A	1.3
2	☐	1.000		3408895.47		A	0.6
3	☐	1.000		3408926.76		A	0.5
4	☐	1.000		3362203.28		A	0.7
5	☐	1.000		3315680.12		A	1.2
6	☐	1.000		3428717.73		A	1.5
7	☐	1.000		3471598.04		A	1.2
8	☐	1.000		3554041.65		A	1.8

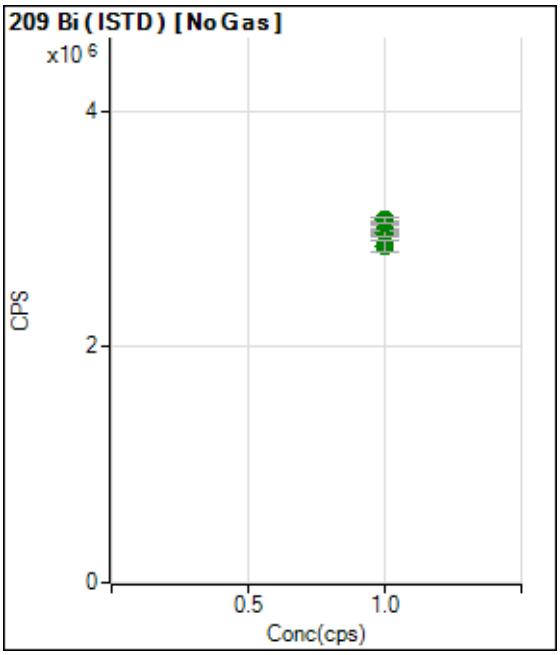


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4674056.91		A	2.1
2	☐	1.000		4599971.67		A	1.9
3	☐	1.000		4535500.69		A	1.6
4	☐	1.000		4636013.54		A	1.2
5	☐	1.000		4616658.20		A	1.1
6	☐	1.000		4725889.20		A	1.3
7	☐	1.000		4784971.74		A	1.1
8	☐	1.000		4833861.98		A	1.1

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

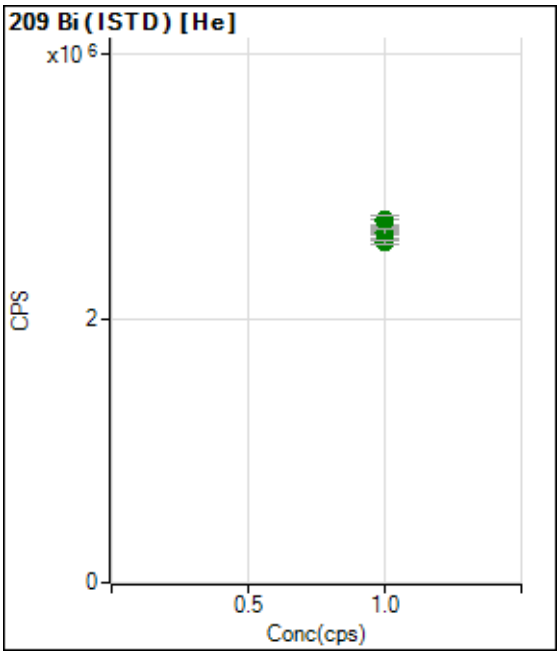


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3582376.16		A	1.3
2	☐	1.000		3547274.77		A	1.5
3	☐	1.000		3476938.66		A	0.8
4	☐	1.000		3542833.11		A	1.5
5	☐	1.000		3477987.13		A	2.9
6	☐	1.000		3570830.29		A	2.5
7	☐	1.000		3619745.95		A	0.7
8	☐	1.000		3761936.89		A	0.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2996400.72		A	1.9
2	☐	1.000		2972848.50		A	0.3
3	☐	1.000		2974235.96		A	1.8
4	☐	1.000		2992162.04		A	0.5
5	☐	1.000		2961492.00		A	1.9
6	☐	1.000		3049381.10		A	0.8
7	☐	1.000		3075077.04		A	1.3
8	☐	1.000		2848124.47		A	3.3

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2731963.41		A	1.7
2	☐	1.000		2746344.53		A	3.0
3	☐	1.000		2702321.70		A	0.6
4	☐	1.000		2641376.39		A	1.0
5	☐	1.000		2662146.56		A	2.0
6	☐	1.000		2674161.63		A	1.2
7	☐	1.000		2642034.77		A	2.2
8	☐	1.000		2575925.80		A	1.5

US EPA Tune Check Report

Reviewed By:jasw
On:10/24/2025 6:1
PM
Inst Id :P7
LB :LB137619

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7102225 MS.b

Acq. Date-Time 2025-10-22 10:42:38

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		6099	60985.16			1.953	5.000
24		57704	577039.96			1.303	5.000
25		7750	77501.44			1.288	5.000
26		9183	91832.41			1.123	5.000
59		65342	653419.03			1.400	5.000
113		8080	80797.07			1.508	5.000
115		90211	902113.02			2.308	5.000
206		19080	190800.70			1.980	5.000
207		16913	169131.44			1.730	5.000
208		39578	395776.60			2.053	5.000
220		0	3.30			31.419	

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	6215	6165	6162	6022	5929
24	58306	58469	57901	56765	57078
25	7846	7860	7736	7650	7659
26	9291	9276	9194	9073	9083
59	66482	65898	65404	64769	64156
113	8168	8193	8106	8044	7888
115	92071	91461	91096	89548	86881
206	19360	19441	19195	18881	18524
207	17131	17258	16890	16764	16522
208	40295	40489	39546	38681	38877

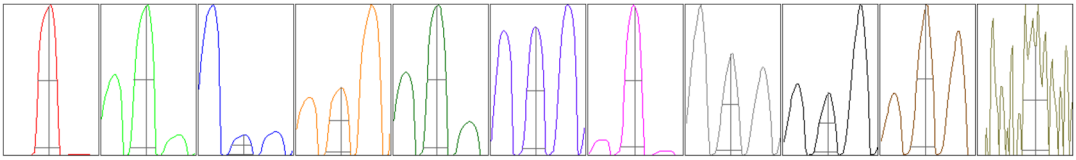
US EPA Tune Check Report

Reviewed By:jasw
On:10/24/2025 6:1
PM
Inst Id :P7
LB :LB137619

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	10557.11	8.95	8.90 - 9.10	
24	97897.78	23.95	23.90 - 24.10	
25	12904.35	24.95	24.90 - 25.10	
26	15153.84	25.95	25.90 - 26.10	
59	113001.54	58.90	58.90 - 59.10	
113	15377.26	112.95	112.90 - 113.10	
115	172357.43	115.00	114.90 - 115.10	
206	38181.20	205.95	205.90 - 206.10	
207	33443.97	206.95	206.90 - 207.10	
208	80838.91	207.95	207.90 - 208.10	
220	0.40	220.35	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.779	0.900	
24	0.63	0.805	0.900	
25	0.63	0.788	0.900	
26	0.63	0.786	0.900	
59	0.61	0.781	0.900	
113	0.53	0.732	0.900	
115	0.53	0.758	0.900	
206	0.51	0.805	0.900	
207	0.51	0.743	0.900	
208	0.50	0.781	0.900	
220	0.78	0.843		

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:10/24/2025 6:1
PM
Inst Id :P7
LB :LB137619

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	15.6 V
Extract 2	-135.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	170 V		

QP Parameters

Mass Gain	138	Axis Gain	0.9975	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	-2.0 mm	Torch V	1.2 mm

EM

Discriminator	5.0 mV	Analog HV	2287 V	Pulse HV	1221 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		24164	241643.14			1.149	
89		61734	617342.84			1.042	
205		21400	213995.81			1.221	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	24570	24233	24213	23889	23916
89	62484	62162	61872	60964	61189
205	21801	21529	21192	21249	21227

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	9.0 V	Deflect	3.2 V

US EPA Tune Check Report

Reviewed By:jasw
On:10/24/2025 6:1
PM
Inst Id :P7
LB :LB137619

Extract 2	-185.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

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

QP Parameters

Mass Gain	138	Axis Gain	0.9975	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	-2.0 mm	Torch V	1.2 mm		

EM

Discriminator	5.0 mV	Analog HV	2287 V	Pulse HV	1221 V

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:54:14	DataFile Name :	010CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.14	-0.19	0.34	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.01	0.00	N/A	ppb
Arsenic	75-2	0.01	-0.01	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.01	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	-0.02	0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	0.08	-0.02	0.00	N/A	ppb
Cadmium	106-1	-0.39	0.70	-0.30	0.00	N/A	ppb
Cadmium	111-1	-0.02	0.04	-0.02	0.00	N/A	ppb
Calcium	43-1	-0.76	0.05	0.72	0.00	N/A	ppb
Calcium	44-1	0.22	-0.56	0.33	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	0.00	0.03	0.00	N/A	ppb
Cobalt	59-2	-0.01	0.01	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.00	-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	-0.12	0.01	0.11	0.00	N/A	ppb
Iron	57-2	-0.31	0.66	-0.35	0.00	N/A	ppb
Iron	54-2	-0.59	0.90	-0.31	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:54:14	DataFile Name :	010CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	207-1	0.00	0.01	-0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.20	-0.17	-0.03	0.00	N/A	ppb
Manganese	55-2	-0.02	-0.01	0.03	0.00	N/A	ppb
Molybdenum	94-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	95-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Molybdenum	97-1	0.00	-0.01	0.01	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	0.05	-0.05	0.00	N/A	ppb
Phosphorus	31-2	-23.39	-14.82	-8.05	-15.42		ppb
Potassium	39-2	-2.72	2.53	0.19	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.28	-0.32	0.03	0.00	N/A	ppb
Selenium	77-2	0.32	-0.16	-0.16	0.00	N/A	ppb
Selenium	78-2	-0.05	0.36	-0.31	0.00	N/A	ppb
Silicon	28-1	0.02	-0.13	0.11	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	-0.38	0.24	0.14	0.00	N/A	ppb
Strontium	86-1	-0.02	0.00	0.02	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-260.15	-243.98	-117.55	-207.23		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	0.02	-0.01	-0.01	0.00	N/A	ppb
Titanium	47-1	0.02	-0.01	-0.01	0.00	N/A	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:54:14	DataFile Name :	010CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.07	0.00	-0.07	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:57:32	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.55	21.98	22.03	22.19	1.44	ppb
Antimony	121-1	2.15	2.19	2.17	2.17	0.94	ppb
Arsenic	75-2	1.16	1.06	1.05	1.09	5.50	ppb
Barium	135-1	10.69	10.36	10.56	10.53	1.57	ppb
Barium	137-1	10.63	10.76	10.51	10.63	1.17	ppb
Beryllium	9-1	1.25	1.09	1.11	1.15	7.86	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.19	1.04	1.12	1.12	6.64	ppb
Cadmium	106-1	0.97	2.47	-0.75	0.89	180.51	ppb
Cadmium	111-1	1.15	1.35	1.00	1.16	15.29	ppb
Calcium	43-1	598.72	590.69	586.16	591.85	1.07	ppb
Calcium	44-1	591.69	585.08	586.47	587.74	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.08	2.04	2.18	2.10	3.32	ppb
Cobalt	59-2	1.21	1.12	1.14	1.15	3.96	ppb
Copper	63-2	2.20	2.09	2.05	2.11	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				98		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	58.56	59.39	60.10	59.35	1.30	ppb
Iron	57-2	65.63	59.91	63.72	63.09	4.61	ppb
Iron	54-2	60.05	59.46	62.27	60.60	2.44	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:57:32	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.04	0.99	1.01	1.01	2.05	ppb
Lead	207-1	1.03	1.02	0.99	1.01	2.20	ppb
Lead	208-1	1.03	1.01	1.00	1.01	1.11	ppb
Lithium	6-1				99		%
Magnesium	24-2	544.50	541.54	553.34	546.46	1.12	ppb
Manganese	55-2	0.93	1.01	1.02	0.99	5.22	ppb
Molybdenum	94-1	6.12	5.94	6.00	6.02	1.48	ppb
Molybdenum	95-1	5.29	5.34	5.12	5.25	2.18	ppb
Molybdenum	96-1	5.26	5.26	5.30	5.27	0.47	ppb
Molybdenum	97-1	5.39	5.37	5.18	5.31	2.15	ppb
Molybdenum	98-1	5.21	5.15	5.23	5.20	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.14	1.11	1.09	1.11	2.21	ppb
Phosphorus	31-2	14.89	12.97	18.41	15.42	17.90	ppb
Potassium	39-2	570.45	575.11	594.72	580.09	2.22	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	5.64	4.19	5.13	4.99	14.77	ppb
Selenium	77-2	6.87	6.36	7.26	6.83	6.63	ppb
Selenium	78-2	4.37	5.37	4.58	4.77	11.05	ppb
Silicon	28-1	0.58	0.63	0.49	0.57	12.30	ppb
Silver	107-1	1.12	1.13	1.07	1.11	3.15	ppb
Silver	109-1	1.10	1.15	1.12	1.12	2.23	ppb
Sodium	23-2	548.36	548.61	561.87	552.95	1.40	ppb
Strontium	86-1	0.99	1.09	1.05	1.04	4.54	ppb
Strontium	88-1	1.03	1.05	1.04	1.04	1.13	ppb
Sulfur	34-1	274.47	171.68	175.53	207.23	28.12	ppb
Terbium	159-1				99		%
Terbium	159-2				98		%
Thallium	203-1	1.08	1.08	1.03	1.06	2.29	ppb
Thallium	205-1	1.04	1.01	1.08	1.04	3.46	ppb
Tin	118-1	5.49	5.51	5.55	5.52	0.50	ppb
Titanium	47-1	5.77	5.56	5.23	5.52	4.88	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:57:32	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.00	0.99	0.97	0.99	1.70	ppb
Vanadium	51-2	5.64	5.50	5.62	5.59	1.34	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	5.13	5.27	5.59	5.33	4.43	ppb
Zirconium	90-1	1.00	1.04	1.00	1.01	2.21	ppb
Zirconium	91-1	1.04	1.04	1.06	1.05	1.38	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:04:15	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1025.21	1029.67	1021.64	1025.51	0.39	ppb
Antimony	121-1	50.73	50.83	51.32	50.96	0.62	ppb
Arsenic	75-2	50.53	52.42	49.84	50.93	2.61	ppb
Barium	135-1	249.66	251.80	247.26	249.57	0.91	ppb
Barium	137-1	248.02	248.77	248.53	248.44	0.15	ppb
Beryllium	9-1	50.95	52.61	52.22	51.93	1.67	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	52.76	52.67	52.24	52.55	0.53	ppb
Cadmium	106-1	54.48	50.65	51.84	52.32	3.75	ppb
Cadmium	111-1	53.84	53.75	52.14	53.25	1.80	ppb
Calcium	43-1	5184.61	5270.45	5347.63	5267.56	1.55	ppb
Calcium	44-1	5184.59	5378.31	5348.86	5303.92	1.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	73.72	74.64	72.86	73.74	1.21	ppb
Cobalt	59-2	49.47	49.74	49.66	49.62	0.27	ppb
Copper	63-2	499.87	510.17	513.69	507.91	1.41	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				97		%
Holmium	165-2				97		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	2788.41	2821.88	2727.43	2779.24	1.72	ppb
Iron	57-2	2909.79	2909.83	2869.93	2896.51	0.79	ppb
Iron	54-2	2951.21	2966.68	2925.38	2947.76	0.71	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:04:15	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	227.35	232.28	223.69	227.77	1.89	ppb
Lead	207-1	224.41	230.38	221.28	225.36	2.05	ppb
Lead	208-1	234.58	238.47	231.13	234.73	1.56	ppb
Lithium	6-1				98		%
Magnesium	24-2	5005.07	5159.66	4871.85	5012.19	2.87	ppb
Manganese	55-2	503.71	507.27	499.40	503.46	0.78	ppb
Molybdenum	94-1	482.46	490.39	492.24	488.36	1.06	ppb
Molybdenum	95-1	482.06	490.80	483.54	485.46	0.96	ppb
Molybdenum	96-1	484.39	495.43	489.17	489.66	1.13	ppb
Molybdenum	97-1	486.15	488.31	491.74	488.74	0.58	ppb
Molybdenum	98-1	480.46	492.33	493.35	488.71	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	67.68	67.95	68.56	68.06	0.67	ppb
Phosphorus	31-2	1025.67	1018.99	973.17	1005.94	2.84	ppb
Potassium	39-2	2633.21	2687.02	2643.64	2654.62	1.08	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				98		%
Selenium	82-1	49.32	49.42	50.74	49.83	1.60	ppb
Selenium	77-2	48.55	51.71	59.52	53.26	10.60	ppb
Selenium	78-2	48.41	52.95	54.06	51.81	5.78	ppb
Silicon	28-1	54.64	58.15	58.01	56.93	3.49	ppb
Silver	107-1	53.04	53.86	52.72	53.21	1.11	ppb
Silver	109-1	52.49	53.03	52.58	52.70	0.55	ppb
Sodium	23-2	5160.25	5125.36	4890.46	5058.69	2.90	ppb
Strontium	86-1	48.47	48.28	49.05	48.60	0.82	ppb
Strontium	88-1	48.56	49.77	49.60	49.31	1.33	ppb
Sulfur	34-1	1162.31	1354.18	1390.75	1302.41	9.42	ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	45.44	46.53	45.09	45.69	1.64	ppb
Thallium	205-1	45.47	46.30	45.30	45.69	1.17	ppb
Tin	118-1	51.53	51.52	51.10	51.39	0.48	ppb
Titanium	47-1	485.00	502.29	507.81	498.37	2.39	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:04:15	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	43.10	44.45	42.67	43.41	2.14	ppb
Vanadium	51-2	48.92	50.32	49.60	49.61	1.41	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	514.37	518.77	509.82	514.32	0.87	ppb
Zirconium	90-1	47.88	48.72	48.82	48.47	1.06	ppb
Zirconium	91-1	48.22	48.80	48.74	48.59	0.65	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:07:29	DataFile Name :	014CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2614.56	2624.64	2604.46	2614.56	0.39	ppb
Antimony	121-1	128.36	127.12	127.72	127.73	0.49	ppb
Arsenic	75-2	128.63	123.30	125.28	125.74	2.14	ppb
Barium	135-1	633.00	614.36	620.42	622.59	1.53	ppb
Barium	137-1	634.25	611.62	623.67	623.18	1.82	ppb
Beryllium	9-1	131.41	131.45	130.56	131.14	0.38	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	133.28	130.49	133.48	132.41	1.26	ppb
Cadmium	106-1	132.58	129.52	129.61	130.57	1.33	ppb
Cadmium	111-1	132.47	130.26	133.25	131.99	1.17	ppb
Calcium	43-1	13574.83	13756.38	13968.44	13766.55	1.43	ppb
Calcium	44-1	12879.41	12992.10	13208.05	13026.52	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	148.85	147.61	148.00	148.15	0.43	ppb
Cobalt	59-2	127.53	126.16	127.19	126.96	0.56	ppb
Copper	63-2	1291.47	1268.38	1281.02	1280.29	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	7005.92	6797.46	6874.36	6892.58	1.53	ppb
Iron	57-2	7228.69	7053.58	7180.97	7154.41	1.27	ppb
Iron	54-2	7354.56	7253.10	7219.64	7275.76	0.97	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:07:29	DataFile Name :	014CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	625.61	628.36	633.52	629.16	0.64	ppb
Lead	207-1	626.59	602.77	616.78	615.38	1.95	ppb
Lead	208-1	623.10	617.01	627.74	622.61	0.86	ppb
Lithium	6-1				96		%
Magnesium	24-2	12999.98	12465.62	12787.19	12750.93	2.11	ppb
Manganese	55-2	1285.87	1277.13	1276.63	1279.88	0.41	ppb
Molybdenum	94-1	1238.55	1236.25	1217.12	1230.64	0.96	ppb
Molybdenum	95-1	1270.23	1234.64	1206.65	1237.17	2.58	ppb
Molybdenum	96-1	1243.19	1218.01	1223.96	1228.39	1.07	ppb
Molybdenum	97-1	1249.57	1261.39	1252.74	1254.57	0.49	ppb
Molybdenum	98-1	1240.84	1232.99	1190.75	1221.53	2.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	143.86	143.39	143.88	143.71	0.19	ppb
Phosphorus	31-2	2546.71	2508.63	2586.10	2547.15	1.52	ppb
Potassium	39-2	6490.40	6469.97	6584.65	6515.01	0.94	ppb
Rhodium	103-1				98		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	130.85	130.22	127.56	129.54	1.35	ppb
Selenium	77-2	134.59	122.13	126.20	127.64	4.98	ppb
Selenium	78-2	136.55	128.81	125.29	130.22	4.42	ppb
Silicon	28-1	135.74	138.24	140.50	138.16	1.72	ppb
Silver	107-1	132.80	131.27	132.95	132.34	0.70	ppb
Silver	109-1	132.93	129.11	131.75	131.26	1.49	ppb
Sodium	23-2	12980.46	13153.80	13190.07	13108.11	0.85	ppb
Strontium	86-1	124.27	123.94	123.90	124.03	0.17	ppb
Strontium	88-1	127.56	127.17	124.08	126.27	1.51	ppb
Sulfur	34-1	2677.42	2826.65	2799.58	2767.88	2.87	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	119.56	120.44	118.12	119.37	0.98	ppb
Thallium	205-1	117.70	118.44	117.39	117.84	0.46	ppb
Tin	118-1	129.05	125.47	127.51	127.35	1.41	ppb
Titanium	47-1	1268.88	1314.06	1312.21	1298.38	1.97	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:07:29	DataFile Name :	014CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	121.45	111.25	122.93	118.55	5.36	ppb
Vanadium	51-2	125.88	126.75	125.83	126.16	0.41	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	1306.27	1308.04	1314.36	1309.56	0.32	ppb
Zirconium	90-1	124.82	123.72	122.74	123.76	0.84	ppb
Zirconium	91-1	125.30	124.62	122.61	124.18	1.13	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:10:30	DataFile Name :	015CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5164.61	5129.38	5155.52	5149.84	0.36	ppb
Antimony	121-1	241.06	245.71	249.89	245.56	1.80	ppb
Arsenic	75-2	246.95	247.14	247.07	247.05	0.04	ppb
Barium	135-1	1177.85	1208.97	1213.62	1200.14	1.62	ppb
Barium	137-1	1212.15	1238.67	1221.34	1224.05	1.10	ppb
Beryllium	9-1	252.98	250.57	253.66	252.40	0.64	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	246.13	251.75	253.62	250.50	1.56	ppb
Cadmium	106-1	242.46	254.99	256.86	251.43	3.11	ppb
Cadmium	111-1	246.99	254.72	254.75	252.16	1.77	ppb
Calcium	43-1	26758.88	26944.54	26799.81	26834.41	0.36	ppb
Calcium	44-1	25143.93	25721.23	25341.56	25402.24	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	289.10	288.39	289.90	289.13	0.26	ppb
Cobalt	59-2	248.31	246.38	251.38	248.69	1.01	ppb
Copper	63-2	2598.07	2481.35	2542.62	2540.68	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				99		%
Holmium	165-2				97		%
Indium	115-1				94		%
Indium	115-2				95		%
Iron	56-2	13649.64	13781.92	13652.22	13694.60	0.55	ppb
Iron	57-2	14077.24	13969.46	14115.07	14053.92	0.54	ppb
Iron	54-2	13995.43	13551.50	14087.95	13878.29	2.07	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:10:30	DataFile Name :	015CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1234.99	1276.57	1224.61	1245.39	2.21	ppb
Lead	207-1	1222.73	1233.32	1214.62	1223.56	0.77	ppb
Lead	208-1	1223.56	1252.63	1222.82	1233.00	1.38	ppb
Lithium	6-1				96		%
Magnesium	24-2	25288.34	25002.44	25151.07	25147.28	0.57	ppb
Manganese	55-2	2509.85	2461.43	2555.83	2509.04	1.88	ppb
Molybdenum	94-1	2404.91	2445.55	2449.05	2433.17	1.01	ppb
Molybdenum	95-1	2435.73	2410.81	2464.15	2436.90	1.10	ppb
Molybdenum	96-1	2438.15	2479.98	2441.62	2453.25	0.95	ppb
Molybdenum	97-1	2465.74	2437.87	2471.31	2458.31	0.73	ppb
Molybdenum	98-1	2482.79	2428.25	2490.11	2467.05	1.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	279.62	274.09	282.39	278.70	1.52	ppb
Phosphorus	31-2	5081.30	4995.80	5023.54	5033.55	0.87	ppb
Potassium	39-2	12835.72	12645.13	12761.65	12747.50	0.75	ppb
Rhodium	103-1				95		%
Rhodium	103-2				93		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	251.78	256.53	255.15	254.48	0.96	ppb
Selenium	77-2	248.38	248.89	264.18	253.82	3.54	ppb
Selenium	78-2	264.01	257.21	244.57	255.26	3.86	ppb
Silicon	28-1	262.58	264.49	261.97	263.01	0.50	ppb
Silver	107-1	248.91	252.23	257.93	253.02	1.80	ppb
Silver	109-1	244.61	249.43	249.65	247.90	1.15	ppb
Sodium	23-2	25599.43	25896.52	25427.44	25641.13	0.93	ppb
Strontium	86-1	243.08	243.42	247.93	244.81	1.11	ppb
Strontium	88-1	242.29	247.36	246.54	245.39	1.11	ppb
Sulfur	34-1	4997.21	5225.36	4961.81	5061.46	2.83	ppb
Terbium	159-1				99		%
Terbium	159-2				96		%
Thallium	203-1	236.18	239.72	232.89	236.26	1.44	ppb
Thallium	205-1	249.78	249.86	238.05	245.89	2.76	ppb
Tin	118-1	243.69	249.29	248.65	247.21	1.24	ppb
Titanium	47-1	2403.95	2548.93	2475.88	2476.26	2.93	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:10:30	DataFile Name :	015CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	245.26	249.55	239.95	244.92	1.96	ppb
Vanadium	51-2	247.93	246.81	248.74	247.83	0.39	ppb
Yttrium	89-1				96		%
Yttrium	89-2				95		%
Zinc	66-2	2564.11	2545.60	2568.83	2559.51	0.48	ppb
Zirconium	90-1	244.79	243.86	246.80	245.15	0.61	ppb
Zirconium	91-1	243.80	242.46	248.09	244.78	1.20	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:13:30	DataFile Name :	016CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10202.34	10198.67	10136.65	10179.22	0.36	ppb
Antimony	121-1	499.79	496.72	503.42	499.98	0.67	ppb
Arsenic	75-2	492.88	497.01	502.27	497.39	0.95	ppb
Barium	135-1	2475.32	2438.20	2502.65	2472.06	1.31	ppb
Barium	137-1	2414.78	2436.45	2537.06	2462.76	2.65	ppb
Beryllium	9-1	502.98	505.44	510.62	506.35	0.77	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	496.33	490.44	502.87	496.55	1.25	ppb
Cadmium	106-1	504.95	495.18	506.29	502.14	1.21	ppb
Cadmium	111-1	502.05	496.06	502.92	500.34	0.75	ppb
Calcium	43-1	53649.05	53199.98	53947.11	53598.71	0.70	ppb
Calcium	44-1	50309.23	50551.76	50567.36	50476.12	0.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	525.74	525.34	515.08	522.06	1.16	ppb
Cobalt	59-2	498.69	500.31	487.23	495.41	1.44	ppb
Copper	63-2	5079.97	5014.25	4956.63	5016.95	1.23	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				101		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	26998.27	27232.36	26918.67	27049.77	0.60	ppb
Iron	57-2	26568.46	26777.57	26707.38	26684.47	0.40	ppb
Iron	54-2	26877.77	26989.31	26581.27	26816.12	0.79	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:13:30	DataFile Name :	016CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2427.97	2419.18	2532.07	2459.74	2.55	ppb
Lead	207-1	2406.57	2404.30	2465.51	2425.46	1.43	ppb
Lead	208-1	2412.08	2452.30	2505.24	2456.54	1.90	ppb
Lithium	6-1				97		%
Magnesium	24-2	50021.19	50754.30	49745.16	50173.55	1.04	ppb
Manganese	55-2	4990.78	4933.25	5047.12	4990.38	1.14	ppb
Molybdenum	94-1	4941.62	5017.29	5017.40	4992.10	0.88	ppb
Molybdenum	95-1	5042.49	5046.00	4953.14	5013.88	1.05	ppb
Molybdenum	96-1	4930.50	5062.05	4891.07	4961.20	1.80	ppb
Molybdenum	97-1	4910.17	4957.45	5006.38	4958.00	0.97	ppb
Molybdenum	98-1	4898.39	4993.19	5035.64	4975.74	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	524.22	520.08	516.56	520.29	0.74	ppb
Phosphorus	31-2	9936.40	10028.62	9800.97	9921.99	1.15	ppb
Potassium	39-2	25085.17	25022.46	25133.16	25080.26	0.22	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				96		%
Selenium	82-1	505.97	507.32	510.36	507.88	0.44	ppb
Selenium	77-2	496.94	492.84	514.23	501.34	2.26	ppb
Selenium	78-2	504.33	511.99	503.10	506.47	0.95	ppb
Silicon	28-1	529.64	522.79	528.44	526.96	0.69	ppb
Silver	107-1	505.60	498.50	510.57	504.89	1.20	ppb
Silver	109-1	495.80	492.50	507.32	498.54	1.56	ppb
Sodium	23-2	51091.13	50658.45	51087.91	50945.83	0.49	ppb
Strontium	86-1	492.14	491.86	497.60	493.87	0.65	ppb
Strontium	88-1	499.55	500.63	495.62	498.60	0.53	ppb
Sulfur	34-1	10277.29	9955.09	10157.42	10129.93	1.61	ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	484.61	493.58	503.16	493.78	1.88	ppb
Thallium	205-1	494.30	494.99	497.22	495.50	0.31	ppb
Tin	118-1	494.49	503.11	510.47	502.69	1.59	ppb
Titanium	47-1	4981.15	5096.21	4976.85	5018.07	1.35	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:13:30	DataFile Name :	016CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	471.92	491.87	497.90	487.23	2.79	ppb
Vanadium	51-2	498.94	498.74	494.39	497.36	0.52	ppb
Yttrium	89-1				96		%
Yttrium	89-2				95		%
Zinc	66-2	5100.35	5103.19	4987.26	5063.60	1.31	ppb
Zirconium	90-1	495.15	491.51	503.31	496.66	1.22	ppb
Zirconium	91-1	493.36	496.14	498.82	496.11	0.55	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:16:18	DataFile Name :	017CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20685.74	20822.25	21081.49	20863.16	0.96	ppb
Antimony	121-1	977.59	1025.78	998.83	1000.73	2.41	ppb
Arsenic	75-2	993.75	1010.27	1001.69	1001.90	0.82	ppb
Barium	135-1	4988.86	5097.88	4993.53	5026.76	1.23	ppb
Barium	137-1	5052.43	4900.96	5122.83	5025.41	2.26	ppb
Beryllium	9-1	972.20	998.55	1015.33	995.36	2.18	ppb
Bismuth	209-1				103		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	985.70	1011.25	1004.69	1000.55	1.33	ppb
Cadmium	106-1	988.06	997.90	1007.32	997.76	0.96	ppb
Cadmium	111-1	980.25	1010.45	1004.06	998.25	1.59	ppb
Calcium	43-1	104530.82	104064.90	106638.74	105078.15	1.31	ppb
Calcium	44-1	100978.35	102601.22	101972.85	101850.81	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	972.44	977.75	975.14	975.11	0.27	ppb
Cobalt	59-2	1000.82	1005.24	1001.12	1002.39	0.25	ppb
Copper	63-2	10014.08	10029.62	9887.82	9977.17	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				102		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	52531.52	53378.88	53245.00	53051.80	0.86	ppb
Iron	57-2	53711.71	53399.72	53292.34	53467.92	0.41	ppb
Iron	54-2	54060.97	53963.52	53833.80	53952.76	0.21	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:16:18	DataFile Name :	017CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4990.66	5022.27	5052.69	5021.87	0.62	ppb
Lead	207-1	4900.98	5083.88	5154.09	5046.32	2.59	ppb
Lead	208-1	4898.01	5049.70	5133.42	5027.04	2.37	ppb
Lithium	6-1				98		%
Magnesium	24-2	100828.29	101232.68	101278.68	101113.22	0.25	ppb
Manganese	55-2	9863.32	10050.53	10082.08	9998.64	1.18	ppb
Molybdenum	94-1	9943.70	10120.52	10006.76	10023.66	0.89	ppb
Molybdenum	95-1	9822.54	10149.39	10061.57	10011.17	1.69	ppb
Molybdenum	96-1	9768.39	10156.95	10177.57	10034.30	2.30	ppb
Molybdenum	97-1	9817.84	10299.54	9976.86	10031.42	2.45	ppb
Molybdenum	98-1	9958.28	10066.88	10048.31	10024.49	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	972.56	982.24	983.51	979.44	0.61	ppb
Phosphorus	31-2	20057.01	20076.48	19939.78	20024.43	0.37	ppb
Potassium	39-2	49626.08	50078.67	49937.12	49880.62	0.46	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	82-1	973.63	1014.39	995.12	994.38	2.05	ppb
Selenium	77-2	1014.26	995.09	984.27	997.88	1.52	ppb
Selenium	78-2	988.29	1002.89	992.95	994.71	0.75	ppb
Silicon	28-1	969.77	980.05	994.30	981.37	1.26	ppb
Silver	107-1	979.03	1013.18	994.96	995.72	1.72	ppb
Silver	109-1	1002.11	1014.11	984.80	1000.34	1.47	ppb
Sodium	23-2	102175.47	103608.15	103810.77	103198.13	0.86	ppb
Strontium	86-1	983.45	1016.44	1013.77	1004.56	1.82	ppb
Strontium	88-1	980.25	1014.42	1010.52	1001.73	1.87	ppb
Sulfur	34-1	19558.50	20128.61	19926.08	19871.06	1.45	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	999.89	982.71	1039.79	1007.46	2.91	ppb
Thallium	205-1	983.05	1002.67	1027.44	1004.38	2.21	ppb
Tin	118-1	977.03	991.13	1028.80	998.99	2.68	ppb
Titanium	47-1	9786.63	10082.00	10104.18	9990.94	1.77	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:16:18	DataFile Name :	017CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	964.33	1008.32	1053.73	1008.79	4.43	ppb
Vanadium	51-2	995.85	1021.89	987.47	1001.74	1.79	ppb
Yttrium	89-1				97		%
Yttrium	89-2				95		%
Zinc	66-2	9863.23	9945.32	10026.92	9945.16	0.82	ppb
Zirconium	90-1	982.39	1016.19	1010.77	1003.12	1.81	ppb
Zirconium	91-1	988.40	1024.58	997.30	1003.42	1.88	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:19:08	DataFile Name :	018CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100735.56	99537.40	99123.55	99798.83	0.84	ppb
Antimony	121-1	1.94	1.95	2.09	1.99	4.13	ppb
Arsenic	75-2	1.53	1.32	1.34	1.39	8.43	ppb
Barium	135-1	7.56	7.97	8.49	8.01	5.82	ppb
Barium	137-1	7.75	7.92	8.11	7.93	2.32	ppb
Beryllium	9-1	0.37	0.37	0.31	0.35	8.81	ppb
Bismuth	209-1				95		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.68	0.44	0.39	0.50	31.42	ppb
Cadmium	106-1	-0.66	-0.09	0.35	-0.13		ppb
Cadmium	111-1	0.34	0.44	0.44	0.41	14.44	ppb
Calcium	43-1	499047.45	507689.33	488758.26	498498.35	1.90	ppb
Calcium	44-1	504234.15	503684.26	490719.06	499545.82	1.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.94	14.52	14.70	14.72	1.40	ppb
Cobalt	59-2	3.18	3.32	3.27	3.26	2.25	ppb
Copper	63-2	2.78	2.71	2.73	2.74	1.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	250460.26	249539.07	247318.89	249106.07	0.65	ppb
Iron	57-2	248876.07	250519.44	247705.57	249033.70	0.57	ppb
Iron	54-2	249833.03	248279.33	248674.03	248928.80	0.32	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:19:08	DataFile Name :	018CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.72	1.99	1.83	1.85	7.34	ppb
Lead	207-1	1.81	1.90	1.74	1.81	4.39	ppb
Lead	208-1	1.76	1.91	1.85	1.84	4.04	ppb
Lithium	6-1				101		%
Magnesium	24-2	495695.93	505181.23	498361.43	499746.20	0.98	ppb
Manganese	55-2	8.58	8.35	8.46	8.46	1.36	ppb
Molybdenum	94-1	4.65	4.64	4.73	4.68	1.07	ppb
Molybdenum	95-1	3.75	3.68	3.46	3.63	4.17	ppb
Molybdenum	96-1	4.82	4.81	4.81	4.82	0.08	ppb
Molybdenum	97-1	3.86	3.81	3.81	3.82	0.76	ppb
Molybdenum	98-1	3.61	3.68	3.61	3.63	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.86	11.07	10.86	10.93	1.13	ppb
Phosphorus	31-2	-17.46	-11.39	-19.99	-16.28		ppb
Potassium	39-2	248531.39	246283.13	255170.91	249995.14	1.85	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				101		%
Scandium	45-2				105		%
Selenium	82-1	0.28	0.65	0.61	0.52	39.88	ppb
Selenium	77-2	1.71	1.67	2.10	1.83	13.04	ppb
Selenium	78-2	1.12	-0.76	-0.43	-0.03		ppb
Silicon	28-1	1.13	1.90	1.37	1.46	27.00	ppb
Silver	107-1	0.80	0.77	0.83	0.80	3.65	ppb
Silver	109-1	0.77	0.78	0.77	0.77	0.87	ppb
Sodium	23-2	498236.44	498830.46	500586.77	499217.89	0.24	ppb
Strontium	86-1	12.81	13.07	12.48	12.79	2.28	ppb
Strontium	88-1	12.88	12.91	12.62	12.80	1.25	ppb
Sulfur	34-1	-29.28	234.66	84.13	96.50	137.20	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	1.32	1.43	1.37	1.38	3.81	ppb
Thallium	205-1	1.33	1.41	1.39	1.38	2.66	ppb
Tin	118-1	1.13	1.14	1.20	1.16	3.01	ppb
Titanium	47-1	1.50	1.52	1.67	1.56	5.89	ppb

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:19:08	DataFile Name :	018CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.04	0.02	0.03	19.57	ppb
Vanadium	51-2	1.77	1.68	1.77	1.74	3.11	ppb
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	14.21	14.14	14.22	14.19	0.29	ppb
Zirconium	90-1	0.88	0.91	0.84	0.88	3.83	ppb
Zirconium	91-1	0.87	0.91	0.88	0.89	2.26	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:38:28	DataFile Name :	021ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1534.75	1557.45	1522.03	1538.08	1.17	ppb
Antimony	121-1	412.69	428.94	424.98	422.20	2.01	ppb
Arsenic	75-2	363.43	362.94	358.53	361.63	0.75	ppb
Barium	135-1	1650.12	1707.30	1679.40	1678.94	1.70	ppb
Barium	137-1	1608.09	1643.31	1673.98	1641.79	2.01	ppb
Beryllium	9-1	43.28	41.51	43.95	42.91	2.94	ppb
Bismuth	209-1				100		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	189.36	194.84	196.68	193.63	1.97	ppb
Cadmium	106-1	193.80	190.38	193.44	192.54	0.98	ppb
Cadmium	111-1	212.90	219.47	211.12	214.50	2.05	ppb
Calcium	43-1	4238.67	4179.67	4289.46	4235.93	1.30	ppb
Calcium	44-1	4258.17	4230.95	4292.42	4260.51	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	159.28	160.65	158.86	159.60	0.59	ppb
Cobalt	59-2	414.97	403.85	397.84	405.55	2.14	ppb
Copper	63-2	188.72	190.59	188.01	189.11	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	862.92	837.18	843.93	848.01	1.57	ppb
Iron	57-2	869.53	863.95	856.55	863.34	0.75	ppb
Iron	54-2	989.16	986.59	987.37	987.70	0.13	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:38:28	DataFile Name :	021ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	365.71	368.50	375.48	369.90	1.36	ppb
Lead	207-1	358.60	359.80	370.67	363.02	1.83	ppb
Lead	208-1	379.33	377.94	391.64	382.97	1.97	ppb
Lithium	6-1				96		%
Magnesium	24-2	3723.06	3745.45	3702.58	3723.70	0.58	ppb
Manganese	55-2	364.56	363.37	360.24	362.73	0.61	ppb
Molybdenum	94-1	0.45	0.43	0.45	0.44	2.85	ppb
Molybdenum	95-1	0.50	0.55	0.55	0.53	5.41	ppb
Molybdenum	96-1	0.47	0.50	0.54	0.51	6.90	ppb
Molybdenum	97-1	0.45	0.48	0.52	0.48	7.16	ppb
Molybdenum	98-1	0.46	0.48	0.49	0.48	3.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	404.17	407.74	400.54	404.15	0.89	ppb
Phosphorus	31-2	-28.03	-13.94	-16.05	-19.34		ppb
Potassium	39-2	4203.04	4120.26	4015.93	4113.08	2.28	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	407.11	416.46	427.94	417.17	2.50	ppb
Selenium	77-2	416.75	413.68	432.95	421.13	2.46	ppb
Selenium	78-2	417.44	410.24	424.86	417.51	1.75	ppb
Silicon	28-1	0.51	0.45	0.63	0.53	17.23	ppb
Silver	107-1	211.41	214.43	212.07	212.64	0.75	ppb
Silver	109-1	205.72	212.40	207.58	208.56	1.65	ppb
Sodium	23-2	3984.06	4122.58	3996.13	4034.26	1.90	ppb
Strontium	86-1	0.02	0.05	0.10	0.06	67.23	ppb
Strontium	88-1	0.07	0.07	0.07	0.07	5.35	ppb
Sulfur	34-1	66.91	-120.90	-63.83	-39.27		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	356.77	376.12	391.65	374.85	4.66	ppb
Thallium	205-1	381.69	390.12	395.73	389.18	1.82	ppb
Tin	118-1	0.42	0.41	0.44	0.42	3.51	ppb
Titanium	47-1	0.39	0.41	0.40	0.40	3.21	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:38:28	DataFile Name :	021ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.02	-0.01	-0.01		ppb
Vanadium	51-2	403.90	403.32	399.67	402.30	0.57	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	380.48	386.09	373.81	380.12	1.62	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	56.51	ppb
Zirconium	91-1	0.08	0.10	0.08	0.09	14.32	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:12:25	DataFile Name :	027LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.45	20.93	19.74	20.70	4.23	ppb
Antimony	121-1	2.03	2.06	2.17	2.09	3.53	ppb
Arsenic	75-2	1.29	1.11	1.19	1.20	7.43	ppb
Barium	135-1	9.60	9.54	10.06	9.73	2.92	ppb
Barium	137-1	9.53	9.62	9.77	9.64	1.24	ppb
Beryllium	9-1	1.06	1.08	1.18	1.11	5.96	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.98	0.84	0.59	0.81	24.44	ppb
Cadmium	106-1	-1.43	-2.38	-0.90	-1.57		ppb
Cadmium	111-1	0.77	0.77	0.89	0.81	8.43	ppb
Calcium	43-1	519.47	521.82	538.35	526.55	1.95	ppb
Calcium	44-1	529.28	525.24	529.34	527.95	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.02	1.99	1.79	1.93	6.58	ppb
Cobalt	59-2	1.07	0.99	1.02	1.03	4.05	ppb
Copper	63-2	1.94	1.94	1.96	1.95	0.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	55.60	55.22	54.06	54.96	1.47	ppb
Iron	57-2	59.70	63.93	55.87	59.83	6.74	ppb
Iron	54-2	55.82	57.91	55.27	56.33	2.47	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:12:25	DataFile Name :	027LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.79	0.82	0.81	0.81	1.40	ppb
Lead	207-1	0.82	0.84	0.85	0.84	1.35	ppb
Lead	208-1	0.82	0.84	0.81	0.82	2.14	ppb
Lithium	6-1				92		%
Magnesium	24-2	479.88	482.68	475.19	479.25	0.79	ppb
Manganese	55-2	1.09	0.97	1.04	1.03	6.07	ppb
Molybdenum	94-1	5.63	5.68	5.31	5.54	3.61	ppb
Molybdenum	95-1	4.61	4.86	4.60	4.69	3.16	ppb
Molybdenum	96-1	4.72	4.88	4.73	4.78	1.89	ppb
Molybdenum	97-1	4.86	4.73	4.71	4.77	1.66	ppb
Molybdenum	98-1	4.70	4.87	4.73	4.77	1.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.18	1.06	0.98	1.07	9.63	ppb
Phosphorus	31-2	225.81	231.22	222.07	226.37	2.03	ppb
Potassium	39-2	528.70	529.36	512.80	523.62	1.79	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	4.07	4.43	4.67	4.39	6.82	ppb
Selenium	77-2	5.08	5.93	5.67	5.56	7.84	ppb
Selenium	78-2	4.28	5.42	4.16	4.62	15.07	ppb
Silicon	28-1	1.14	2.21	1.02	1.46	44.95	ppb
Silver	107-1	1.10	1.10	1.11	1.10	0.50	ppb
Silver	109-1	1.08	1.12	1.09	1.10	1.94	ppb
Sodium	23-2	489.75	494.03	492.11	491.97	0.44	ppb
Strontium	86-1	0.94	0.93	0.96	0.94	1.51	ppb
Strontium	88-1	0.90	0.94	0.95	0.93	2.98	ppb
Sulfur	34-1	511.64	474.12	508.25	498.00	4.17	ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	1.00	0.97	0.96	0.98	1.97	ppb
Thallium	205-1	0.91	0.98	0.94	0.95	3.79	ppb
Tin	118-1	4.93	5.14	5.08	5.05	2.18	ppb
Titanium	47-1	5.02	5.11	5.09	5.07	0.98	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:12:25	DataFile Name :	027LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.81	0.82	0.84	0.82	1.89	ppb
Vanadium	51-2	4.84	4.94	5.00	4.93	1.65	ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	5.66	5.68	5.74	5.69	0.69	ppb
Zirconium	90-1	0.95	0.98	0.95	0.96	1.81	ppb
Zirconium	91-1	0.88	0.99	0.98	0.95	6.05	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:16:49	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.13	-0.44	-0.35	-0.22		ppb
Antimony	121-1	0.00	0.00	0.00	0.00		ppb
Arsenic	75-2	-0.02	-0.01	0.00	-0.01		ppb
Barium	135-1	-0.02	-0.03	-0.01	-0.02		ppb
Barium	137-1	-0.01	-0.02	-0.01	-0.02		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				95		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.02	0.02	-0.09	-0.03		ppb
Cadmium	106-1	-1.42	-0.87	-1.69	-1.32		ppb
Cadmium	111-1	-0.10	-0.07	-0.12	-0.10		ppb
Calcium	43-1	0.23	1.64	-1.66	0.07	2241.35	ppb
Calcium	44-1	2.38	1.29	0.26	1.31	81.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.09	-0.04	-0.06	-0.06		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	-0.03	0.01	-0.04	-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				97		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	-0.10	-0.01	-0.16	-0.09		ppb
Iron	57-2	0.79	1.78	1.56	1.38	37.50	ppb
Iron	54-2	0.23	-0.64	0.18	-0.08		ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:16:49	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.01	0.01	38.31	ppb
Lead	207-1	0.03	0.00	0.01	0.01	116.36	ppb
Lead	208-1	0.01	0.01	0.01	0.01	36.79	ppb
Lithium	6-1				93		%
Magnesium	24-2	-0.29	-0.53	-0.16	-0.33		ppb
Manganese	55-2	-0.05	-0.05	-0.04	-0.05		ppb
Molybdenum	94-1	-0.01	-0.02	-0.04	-0.02		ppb
Molybdenum	95-1	-0.01	0.00	0.01	0.00		ppb
Molybdenum	96-1	-0.03	-0.03	-0.03	-0.03		ppb
Molybdenum	97-1	-0.05	-0.03	0.00	-0.03		ppb
Molybdenum	98-1	-0.04	-0.03	-0.02	-0.03		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.14	-0.10	-0.03	-0.09		ppb
Phosphorus	31-2	-31.01	-4.38	-30.77	-22.05		ppb
Potassium	39-2	3.73	6.78	4.38	4.96	32.43	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	0.08	-0.40	0.39	0.02	1700.99	ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	-0.71	-0.40	1.09	-0.01		ppb
Silicon	28-1	0.32	0.20	0.38	0.30	29.75	ppb
Silver	107-1	0.00	0.00	0.00	0.00	4176.33	ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	6.98	8.15	6.81	7.31	10.02	ppb
Strontium	86-1	-0.05	0.07	0.04	0.02	346.99	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	179.89	ppb
Sulfur	34-1	251.88	206.92	203.82	220.88	12.18	ppb
Terbium	159-1				97		%
Terbium	159-2				99		%
Thallium	203-1	0.00	0.00	-0.01	0.00		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.01	0.01	0.05	0.03	99.98	ppb
Titanium	47-1	0.02	0.05	0.04	0.04	32.65	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:16:49	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.02	-0.02	-0.02	-0.02		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	-0.09	0.03	-0.06	-0.04		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	1339.31	ppb
Zirconium	91-1	-0.01	0.01	0.00	0.00		ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:20:14	DataFile Name :	029ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94430.70	95925.64	92849.99	94402.11	1.63	ppb
Antimony	121-1	1.14	1.21	1.20	1.18	3.26	ppb
Arsenic	75-2	0.43	0.41	0.40	0.41	2.98	ppb
Barium	135-1	1.36	1.35	1.40	1.37	2.06	ppb
Barium	137-1	1.43	1.46	1.40	1.43	2.00	ppb
Beryllium	9-1	0.31	0.36	0.34	0.34	6.61	ppb
Bismuth	209-1				98		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.56	7.41	8.39	8.12	7.64	ppb
Cadmium	106-1	-2.09	-1.07	-1.35	-1.50		ppb
Cadmium	111-1	0.16	0.28	0.22	0.22	27.01	ppb
Calcium	43-1	102326.07	105149.85	103620.45	103698.79	1.36	ppb
Calcium	44-1	102828.55	102905.88	104623.61	103452.68	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.18	20.80	20.21	20.39	1.72	ppb
Cobalt	59-2	1.27	1.34	1.28	1.30	2.70	ppb
Copper	63-2	7.44	7.56	7.46	7.49	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	107375.69	106864.31	105826.04	106688.68	0.74	ppb
Iron	57-2	104456.05	106473.81	106298.93	105742.93	1.06	ppb
Iron	54-2	108093.73	107353.40	103292.54	106246.56	2.43	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:20:14	DataFile Name :	029ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.79	4.68	4.57	4.68	2.30	ppb
Lead	207-1	4.22	4.29	4.13	4.21	1.86	ppb
Lead	208-1	4.35	4.35	4.26	4.32	1.19	ppb
Lithium	6-1				94		%
Magnesium	24-2	96411.18	96838.54	96402.07	96550.60	0.26	ppb
Manganese	55-2	7.77	7.87	7.64	7.76	1.52	ppb
Molybdenum	94-1	1597.23	1622.79	1676.96	1632.33	2.49	ppb
Molybdenum	95-1	1972.51	1968.62	1974.65	1971.93	0.15	ppb
Molybdenum	96-1	1951.31	1927.46	1979.65	1952.81	1.34	ppb
Molybdenum	97-1	1963.69	1968.98	2021.61	1984.76	1.61	ppb
Molybdenum	98-1	1960.09	1986.90	2025.49	1990.83	1.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.40	5.28	5.84	5.51	5.35	ppb
Phosphorus	31-2	103110.04	105398.52	102958.36	103822.31	1.32	ppb
Potassium	39-2	102276.65	105318.52	103847.06	103814.08	1.47	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	-1.29	-0.42	-0.13	-0.61		ppb
Selenium	77-2	-0.16	0.09	0.08	0.00	9314.01	ppb
Selenium	78-2	-0.48	-1.03	-0.50	-0.67		ppb
Silicon	28-1	0.51	0.29	0.35	0.38	29.12	ppb
Silver	107-1	0.06	0.03	0.03	0.04	44.43	ppb
Silver	109-1	0.06	0.04	0.03	0.05	29.33	ppb
Sodium	23-2	103372.31	104655.34	104113.25	104046.97	0.62	ppb
Strontium	86-1	32.55	32.50	33.53	32.86	1.77	ppb
Strontium	88-1	32.47	32.78	33.86	33.04	2.21	ppb
Sulfur	34-1	104011.11	101765.07	104484.33	103420.17	1.40	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.05	0.06	0.09	0.07	28.05	ppb
Thallium	205-1	0.05	0.06	0.08	0.06	24.22	ppb
Tin	118-1	0.30	0.41	0.53	0.41	28.34	ppb
Titanium	47-1	2053.94	2027.39	2087.99	2056.44	1.48	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:20:14	DataFile Name :	029ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	29.08	ppb
Vanadium	51-2	0.23	0.23	0.26	0.24	7.13	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	10.34	10.99	10.88	10.74	3.24	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	12.17	ppb
Zirconium	91-1	0.03	0.01	0.01	0.02	86.35	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:23:21	DataFile Name :	030ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94961.49	95295.16	95916.07	95390.91	0.51	ppb
Antimony	121-1	19.96	21.64	21.85	21.15	4.90	ppb
Arsenic	75-2	18.81	18.33	19.45	18.86	2.96	ppb
Barium	135-1	19.58	21.54	21.46	20.86	5.32	ppb
Barium	137-1	19.98	22.19	21.88	21.35	5.59	ppb
Beryllium	9-1	20.28	22.02	22.45	21.58	5.31	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.55	26.62	27.34	26.50	3.41	ppb
Cadmium	106-1	15.29	17.77	16.96	16.68	7.59	ppb
Cadmium	111-1	18.83	20.99	20.60	20.14	5.71	ppb
Calcium	43-1	92699.31	106364.83	105482.77	101515.64	7.53	ppb
Calcium	44-1	93490.82	104608.73	104737.63	100945.73	6.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.83	40.68	41.18	41.23	1.40	ppb
Cobalt	59-2	22.24	22.06	21.98	22.09	0.60	ppb
Copper	63-2	27.01	26.48	26.77	26.75	0.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	107629.48	106186.31	105650.69	106488.82	0.96	ppb
Iron	57-2	105277.45	105741.97	106917.55	105978.99	0.80	ppb
Iron	54-2	105777.23	104050.16	106939.44	105588.94	1.38	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:23:21	DataFile Name :	030ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.13	24.39	24.01	23.84	2.71	ppb
Lead	207-1	22.00	23.06	23.50	22.85	3.38	ppb
Lead	208-1	22.17	23.32	23.54	23.01	3.22	ppb
Lithium	6-1				95		%
Magnesium	24-2	97435.95	94807.14	96118.09	96120.39	1.37	ppb
Manganese	55-2	26.96	26.48	27.00	26.81	1.07	ppb
Molybdenum	94-1	1469.35	1595.29	1666.89	1577.18	6.34	ppb
Molybdenum	95-1	1790.42	1933.34	2000.63	1908.13	5.63	ppb
Molybdenum	96-1	1776.09	1916.03	1944.41	1878.85	4.80	ppb
Molybdenum	97-1	1827.06	1927.17	2009.54	1921.26	4.76	ppb
Molybdenum	98-1	1824.08	1939.61	2050.11	1937.93	5.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.09	26.52	26.23	26.61	1.65	ppb
Phosphorus	31-2	104246.68	103625.31	104371.85	104081.28	0.38	ppb
Potassium	39-2	104795.29	102763.13	104797.37	104118.60	1.13	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	17.73	19.32	20.15	19.06	6.45	ppb
Selenium	77-2	20.88	23.29	19.17	21.11	9.81	ppb
Selenium	78-2	20.37	19.96	21.92	20.75	4.99	ppb
Silicon	28-1	-0.59	0.47	0.57	0.15	438.54	ppb
Silver	107-1	18.41	20.72	20.24	19.79	6.14	ppb
Silver	109-1	18.34	20.59	20.18	19.70	6.10	ppb
Sodium	23-2	103901.41	103634.10	103343.31	103626.27	0.27	ppb
Strontium	86-1	30.46	32.08	33.39	31.98	4.58	ppb
Strontium	88-1	30.51	32.50	33.31	32.10	4.49	ppb
Sulfur	34-1	92304.46	104092.52	106479.36	100958.78	7.52	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	19.08	20.10	20.82	20.00	4.35	ppb
Thallium	205-1	19.02	20.09	20.53	19.88	3.91	ppb
Tin	118-1	0.32	0.46	0.49	0.42	21.57	ppb
Titanium	47-1	1854.70	2097.61	2078.41	2010.24	6.72	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:23:21	DataFile Name :	030ICSB.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	21.05	20.68	21.09	20.94	1.09	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	30.71	31.26	31.02	30.99	0.89	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	9.52	ppb
Zirconium	91-1	0.02	0.01	0.04	0.02	51.46	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:27:23	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50865.27	50250.24	49559.00	50224.83	1.30	ppb
Antimony	121-1	453.47	520.25	537.99	503.90	8.84	ppb
Arsenic	75-2	489.64	491.04	492.98	491.22	0.34	ppb
Barium	135-1	2277.73	2622.52	2650.45	2516.90	8.25	ppb
Barium	137-1	2218.30	2600.35	2640.66	2486.44	9.37	ppb
Beryllium	9-1	457.22	503.29	509.47	489.99	5.83	ppb
Bismuth	209-1				100		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	434.76	499.17	511.90	481.94	8.58	ppb
Cadmium	106-1	443.07	501.07	510.82	484.99	7.55	ppb
Cadmium	111-1	442.26	495.88	508.12	482.09	7.27	ppb
Calcium	43-1	223513.18	248932.10	249826.40	240757.23	6.21	ppb
Calcium	44-1	219820.71	249437.95	252533.83	240597.50	7.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	491.94	487.10	487.02	488.69	0.58	ppb
Cobalt	59-2	498.69	501.42	497.96	499.36	0.37	ppb
Copper	63-2	4908.72	4750.22	4889.05	4849.33	1.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	131459.53	128384.70	130135.24	129993.16	1.19	ppb
Iron	57-2	129018.27	129857.54	127457.11	128777.64	0.95	ppb
Iron	54-2	129670.95	128959.61	128187.72	128939.43	0.58	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:27:23	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2324.48	2543.65	2536.67	2468.27	5.05	ppb
Lead	207-1	2333.66	2454.60	2534.12	2440.79	4.14	ppb
Lead	208-1	2323.99	2509.75	2573.57	2469.10	5.25	ppb
Lithium	6-1				95		%
Magnesium	24-2	251491.33	249987.80	253040.98	251506.70	0.61	ppb
Manganese	55-2	4987.58	4866.44	5048.92	4967.65	1.87	ppb
Molybdenum	94-1	4615.65	4917.50	4982.10	4838.42	4.04	ppb
Molybdenum	95-1	4520.49	4897.06	4984.27	4800.61	5.13	ppb
Molybdenum	96-1	4618.77	5071.01	4956.90	4882.23	4.82	ppb
Molybdenum	97-1	4497.11	4874.62	4981.07	4784.26	5.32	ppb
Molybdenum	98-1	4535.08	4909.80	5009.40	4818.10	5.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	482.79	478.96	482.47	481.41	0.44	ppb
Phosphorus	31-2	10170.79	9961.04	10091.36	10074.40	1.05	ppb
Potassium	39-2	124385.33	127372.54	126703.88	126153.92	1.24	ppb
Rhodium	103-1				100		%
Rhodium	103-2				97		%
Scandium	45-1				105		%
Scandium	45-2				103		%
Selenium	82-1	435.04	476.00	470.15	460.40	4.81	ppb
Selenium	77-2	479.74	468.79	454.91	467.81	2.66	ppb
Selenium	78-2	472.54	483.67	477.75	477.99	1.16	ppb
Silicon	28-1	468.46	521.09	528.21	505.92	6.45	ppb
Silver	107-1	457.55	510.08	518.54	495.39	6.67	ppb
Silver	109-1	450.63	504.78	511.31	488.91	6.81	ppb
Sodium	23-2	252656.94	252483.06	252355.11	252498.37	0.06	ppb
Strontium	86-1	451.96	494.75	499.62	482.11	5.44	ppb
Strontium	88-1	457.98	508.41	498.25	488.22	5.46	ppb
Sulfur	34-1	7945.35	9317.39	9688.96	8983.90	10.22	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	474.23	517.23	512.38	501.28	4.70	ppb
Thallium	205-1	475.60	513.42	517.77	502.26	4.62	ppb
Tin	118-1	454.09	521.71	522.16	499.32	7.85	ppb
Titanium	47-1	4413.17	4880.15	5092.44	4795.25	7.25	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:27:23	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	462.09	501.75	500.77	488.21	4.63	ppb
Vanadium	51-2	512.51	503.44	502.39	506.11	1.10	ppb
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	4786.16	4789.03	4754.54	4776.58	0.40	ppb
Zirconium	90-1	460.12	493.55	495.17	482.95	4.10	ppb
Zirconium	91-1	456.09	499.62	499.95	485.22	5.20	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:30:23	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.16	0.90	-0.02	0.35	140.90	ppb
Antimony	121-1	0.15	0.17	0.17	0.17	6.37	ppb
Arsenic	75-2	-0.01	0.00	-0.02	-0.01		ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.01	-0.01	0.00		ppb
Beryllium	9-1	0.00	-0.01	-0.01	-0.01		ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.02	-0.02	-0.01		ppb
Cadmium	106-1	-1.28	-2.75	-2.36	-2.13		ppb
Cadmium	111-1	-0.06	-0.17	-0.16	-0.13		ppb
Calcium	43-1	-0.19	1.17	-0.20	0.26	299.81	ppb
Calcium	44-1	11.92	16.04	12.78	13.58	15.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.05	-0.05	-0.04	-0.04		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.18	0.18	0.19	0.18	5.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	1.07	1.00	1.04	1.04	3.73	ppb
Iron	57-2	4.54	0.46	3.16	2.72	76.30	ppb
Iron	54-2	0.09	0.53	1.85	0.82	111.11	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:30:23	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.07	0.06	0.08	30.57	ppb
Lead	207-1	0.10	0.08	0.08	0.08	17.78	ppb
Lead	208-1	0.09	0.07	0.07	0.08	15.95	ppb
Lithium	6-1				90		%
Magnesium	24-2	1.25	1.24	1.35	1.28	4.58	ppb
Manganese	55-2	0.01	0.04	-0.01	0.02	140.90	ppb
Molybdenum	94-1	0.15	0.18	0.17	0.17	8.49	ppb
Molybdenum	95-1	0.18	0.14	0.16	0.16	11.41	ppb
Molybdenum	96-1	0.13	0.12	0.10	0.12	13.81	ppb
Molybdenum	97-1	0.12	0.13	0.11	0.12	7.05	ppb
Molybdenum	98-1	0.16	0.11	0.11	0.13	24.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.14	-0.09	-0.08	-0.10		ppb
Phosphorus	31-2	-24.71	-24.55	-29.28	-26.18		ppb
Potassium	39-2	36.84	34.27	32.94	34.69	5.71	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	82-1	-0.54	-0.94	-0.56	-0.68		ppb
Selenium	77-2	-0.16	-0.16	0.08	-0.08		ppb
Selenium	78-2	-1.12	-0.37	0.97	-0.17		ppb
Silicon	28-1	0.39	0.62	0.31	0.44	37.05	ppb
Silver	107-1	0.04	0.05	0.03	0.04	21.03	ppb
Silver	109-1	0.04	0.03	0.03	0.03	20.11	ppb
Sodium	23-2	66.60	66.10	62.53	65.08	3.41	ppb
Strontium	86-1	0.04	0.02	0.03	0.03	29.41	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	39.34	ppb
Sulfur	34-1	122.09	199.77	146.76	156.21	25.41	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.10	0.10	0.08	0.09	10.98	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	5.66	ppb
Tin	118-1	0.04	0.04	0.05	0.04	10.10	ppb
Titanium	47-1	0.02	0.08	0.11	0.07	69.92	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:30:23	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	-0.14	0.17	-0.08	-0.02		ppb
Zirconium	90-1	0.04	0.04	0.03	0.04	23.05	ppb
Zirconium	91-1	0.05	0.04	0.02	0.04	34.02	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CRI01	Instrumnet Name :	P7
Client Sample ID :	CRI01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:33:47	DataFile Name :	033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.16	21.14	20.52	20.94	1.74	ppb
Antimony	121-1	1.97	2.15	2.07	2.06	4.32	ppb
Arsenic	75-2	1.27	1.00	1.10	1.12	11.90	ppb
Barium	135-1	8.88	9.71	9.70	9.43	5.02	ppb
Barium	137-1	9.29	9.87	9.72	9.63	3.09	ppb
Beryllium	9-1	1.05	1.13	1.05	1.08	4.29	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.82	0.86	0.60	0.76	17.95	ppb
Cadmium	106-1	-1.07	0.50	-1.33	-0.64		ppb
Cadmium	111-1	0.81	0.93	0.84	0.86	7.51	ppb
Calcium	43-1	507.07	515.27	536.38	519.57	2.91	ppb
Calcium	44-1	507.55	527.06	561.61	532.08	5.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.96	2.03	1.97	1.99	1.83	ppb
Cobalt	59-2	1.06	1.07	1.04	1.05	1.53	ppb
Copper	63-2	2.07	2.08	2.03	2.06	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	56.07	56.47	56.73	56.42	0.59	ppb
Iron	57-2	59.37	62.66	57.95	60.00	4.03	ppb
Iron	54-2	55.87	54.44	57.11	55.81	2.39	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CRI01	Instrumnet Name :	P7
Client Sample ID :	CRI01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:33:47	DataFile Name :	033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.82	0.88	0.92	0.87	5.96	ppb
Lead	207-1	0.80	0.94	0.89	0.87	7.88	ppb
Lead	208-1	0.81	0.88	0.88	0.86	4.82	ppb
Lithium	6-1				92		%
Magnesium	24-2	492.08	489.69	484.42	488.73	0.80	ppb
Manganese	55-2	0.99	1.09	1.06	1.05	4.68	ppb
Molybdenum	94-1	5.35	5.90	5.77	5.68	5.07	ppb
Molybdenum	95-1	4.57	4.89	4.92	4.79	4.06	ppb
Molybdenum	96-1	4.47	5.02	5.11	4.87	7.11	ppb
Molybdenum	97-1	4.42	4.70	5.18	4.77	8.03	ppb
Molybdenum	98-1	4.48	4.92	4.78	4.73	4.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.01	1.22	1.17	1.13	9.77	ppb
Phosphorus	31-2	203.93	210.50	228.88	214.44	6.03	ppb
Potassium	39-2	535.33	539.93	536.82	537.36	0.44	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	4.31	4.76	4.92	4.66	6.80	ppb
Selenium	77-2	5.92	5.26	4.16	5.11	17.31	ppb
Selenium	78-2	5.83	5.91	5.46	5.73	4.21	ppb
Silicon	28-1	-0.13	0.31	0.83	0.33	143.10	ppb
Silver	107-1	1.06	1.15	1.14	1.12	4.43	ppb
Silver	109-1	1.09	1.08	1.13	1.10	2.68	ppb
Sodium	23-2	529.38	533.32	533.40	532.03	0.43	ppb
Strontium	86-1	0.93	1.05	0.96	0.98	6.63	ppb
Strontium	88-1	0.88	0.91	0.94	0.91	3.08	ppb
Sulfur	34-1	96.00	326.14	635.64	352.59	76.80	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	1.01	1.05	1.00	1.02	2.12	ppb
Thallium	205-1	0.99	0.99	1.02	1.00	1.35	ppb
Tin	118-1	4.83	5.13	5.14	5.03	3.43	ppb
Titanium	47-1	4.67	4.77	5.30	4.92	6.81	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CRI01	Instrumnet Name :	P7
Client Sample ID :	CRI01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:33:47	DataFile Name :	033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.76	0.83	0.84	0.81	5.33	ppb
Vanadium	51-2	4.95	4.94	4.90	4.93	0.52	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	5.66	6.28	5.60	5.85	6.40	ppb
Zirconium	90-1	0.92	1.02	1.03	0.99	6.28	ppb
Zirconium	91-1	0.96	0.94	1.05	0.99	6.19	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BS	Instrumnet Name :	P7
Client Sample ID :	PB170191BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:40:34	DataFile Name :	035LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11506.23	11368.62	11583.06	11485.97	0.95	ppb
Antimony	121-1	560.99	557.96	567.26	562.07	0.84	ppb
Arsenic	75-2	539.17	552.34	548.51	546.67	1.24	ppb
Barium	135-1	2729.36	2825.52	2841.58	2798.82	2.17	ppb
Barium	137-1	2721.50	2772.10	2813.42	2769.01	1.66	ppb
Beryllium	9-1	566.44	564.26	553.44	561.38	1.24	ppb
Bismuth	209-1				99		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	563.03	554.27	567.25	561.52	1.18	ppb
Cadmium	106-1	554.71	556.21	569.44	560.12	1.45	ppb
Cadmium	111-1	562.22	552.48	565.07	559.92	1.18	ppb
Calcium	43-1	59052.50	59707.99	59323.66	59361.39	0.55	ppb
Calcium	44-1	56724.59	56204.21	55542.43	56157.08	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	538.44	551.84	539.43	543.24	1.37	ppb
Cobalt	59-2	549.80	561.55	547.88	553.08	1.34	ppb
Copper	63-2	5532.26	5546.88	5611.47	5563.54	0.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	30270.49	29968.24	29638.45	29959.06	1.06	ppb
Iron	57-2	29823.40	30385.57	28940.97	29716.65	2.45	ppb
Iron	54-2	30594.40	30004.66	29935.64	30178.23	1.20	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BS	Instrumnet Name :	P7
Client Sample ID :	PB170191BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:40:34	DataFile Name :	035LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2794.63	2715.76	2689.48	2733.29	2.00	ppb
Lead	207-1	2769.93	2708.62	2656.21	2711.58	2.10	ppb
Lead	208-1	2750.83	2731.31	2698.79	2726.98	0.96	ppb
Lithium	6-1				92		%
Magnesium	24-2	55113.51	55848.70	56035.32	55665.85	0.88	ppb
Manganese	55-2	5569.32	5667.94	5475.71	5570.99	1.73	ppb
Molybdenum	94-1	5234.85	5358.34	5324.22	5305.80	1.20	ppb
Molybdenum	95-1	5253.29	5363.39	5321.47	5312.71	1.05	ppb
Molybdenum	96-1	5372.44	5411.57	5365.80	5383.27	0.46	ppb
Molybdenum	97-1	5293.91	5399.22	5346.11	5346.41	0.98	ppb
Molybdenum	98-1	5395.63	5340.62	5403.86	5380.03	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	549.09	549.03	543.37	547.16	0.60	ppb
Phosphorus	31-2	10920.61	10862.09	10958.82	10913.84	0.45	ppb
Potassium	39-2	28235.16	27807.48	27554.45	27865.69	1.23	ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	82-1	545.56	547.47	545.53	546.19	0.20	ppb
Selenium	77-2	536.02	577.66	540.30	551.33	4.15	ppb
Selenium	78-2	543.35	556.61	557.16	552.37	1.42	ppb
Silicon	28-1	502.50	508.13	510.37	507.00	0.80	ppb
Silver	107-1	566.56	567.22	569.38	567.72	0.26	ppb
Silver	109-1	568.03	550.99	572.85	563.95	2.04	ppb
Sodium	23-2	56380.93	57220.76	55208.92	56270.21	1.80	ppb
Strontium	86-1	530.02	541.51	529.84	533.79	1.25	ppb
Strontium	88-1	538.14	549.92	544.85	544.30	1.08	ppb
Sulfur	34-1	11045.47	11292.57	11040.69	11126.24	1.29	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	566.56	545.66	553.03	555.08	1.91	ppb
Thallium	205-1	562.48	547.53	553.66	554.56	1.36	ppb
Tin	118-1	566.45	560.88	553.03	560.12	1.20	ppb
Titanium	47-1	5421.47	5565.51	5557.36	5514.78	1.47	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BS	Instrumnet Name :	P7
Client Sample ID :	PB170191BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:40:34	DataFile Name :	035LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	534.67	528.53	525.90	529.70	0.85	ppb
Vanadium	51-2	549.55	556.15	553.35	553.02	0.60	ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	5643.76	5596.32	5705.69	5648.59	0.97	ppb
Zirconium	90-1	527.15	548.88	537.94	537.99	2.02	ppb
Zirconium	91-1	531.42	540.99	527.16	533.19	1.33	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-03	Instrumnet Name :	P7
Client Sample ID :	3443	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:43:25	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1593.18	1575.55	1564.67	1577.80	0.91	ppb
Antimony	121-1	4.41	4.40	4.47	4.43	0.86	ppb
Arsenic	75-2	16.67	16.55	16.28	16.50	1.23	ppb
Barium	135-1	99.17	101.86	101.06	100.70	1.37	ppb
Barium	137-1	99.81	101.17	99.90	100.29	0.76	ppb
Beryllium	9-1	0.18	0.14	0.16	0.16	12.81	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.76	9.21	8.95	8.97	2.54	ppb
Cadmium	106-1	9.56	7.02	7.14	7.91	18.09	ppb
Cadmium	111-1	8.85	8.64	8.78	8.76	1.25	ppb
Calcium	43-1	75450.82	75155.01	76331.50	75645.78	0.81	ppb
Calcium	44-1	72550.13	72776.58	71484.78	72270.50	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.23	15.11	15.02	15.12	0.67	ppb
Cobalt	59-2	8.50	8.37	8.52	8.46	0.99	ppb
Copper	63-2	285.22	282.50	283.56	283.76	0.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	10451.75	10322.79	10537.98	10437.51	1.04	ppb
Iron	57-2	11163.71	11090.98	11031.71	11095.46	0.60	ppb
Iron	54-2	10688.22	10695.81	10459.88	10614.63	1.26	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-03	Instrumnet Name :	P7
Client Sample ID :	3443	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:43:25	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	114.93	116.77	118.50	116.73	1.53	ppb
Lead	207-1	110.73	112.19	114.31	112.41	1.60	ppb
Lead	208-1	112.56	113.53	116.17	114.09	1.64	ppb
Lithium	6-1				98		%
Magnesium	24-2	11079.37	10575.39	10616.36	10757.04	2.60	ppb
Manganese	55-2	299.69	294.55	296.14	296.79	0.89	ppb
Molybdenum	94-1	16.96	17.63	17.90	17.50	2.74	ppb
Molybdenum	95-1	14.13	14.86	15.11	14.70	3.46	ppb
Molybdenum	96-1	14.61	15.17	15.49	15.09	2.96	ppb
Molybdenum	97-1	14.33	15.32	15.05	14.90	3.44	ppb
Molybdenum	98-1	14.29	15.15	14.64	14.69	2.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.37	26.76	27.00	27.04	1.15	ppb
Phosphorus	31-2	1095.91	1100.29	1144.08	1113.43	2.39	ppb
Potassium	39-2	17438.54	17558.00	17607.58	17534.71	0.50	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	-0.46	0.95	0.26	0.25	282.44	ppb
Selenium	77-2	0.06	0.53	1.21	0.60	95.93	ppb
Selenium	78-2	0.73	-0.43	-0.65	-0.12		ppb
Silicon	28-1	540.86	538.49	535.83	538.39	0.47	ppb
Silver	107-1	0.56	0.55	0.56	0.56	1.20	ppb
Silver	109-1	0.57	0.53	0.54	0.55	3.95	ppb
Sodium	23-2	158776.33	151665.72	153052.58	154498.21	2.44	ppb
Strontium	86-1	181.95	192.67	190.48	188.37	3.01	ppb
Strontium	88-1	186.57	196.65	192.30	191.84	2.64	ppb
Sulfur	34-1	35731.19	35518.30	35880.70	35710.06	0.51	ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	0.10	0.08	0.08	0.09	10.22	ppb
Thallium	205-1	0.09	0.07	0.08	0.08	7.27	ppb
Tin	118-1	5.66	5.84	5.72	5.74	1.60	ppb
Titanium	47-1	66.38	66.24	67.27	66.63	0.84	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-03	Instrumnet Name :	P7
Client Sample ID :	3443	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:43:25	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.33	0.36	0.34	4.83	ppb
Vanadium	51-2	7.72	7.62	7.54	7.63	1.19	ppb
Yttrium	89-1				106		%
Yttrium	89-2				105		%
Zinc	66-2	3368.17	3242.06	3242.58	3284.27	2.21	ppb
Zirconium	90-1	3.02	3.07	3.06	3.05	0.93	ppb
Zirconium	91-1	3.05	3.15	3.09	3.09	1.68	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04	Instrumnet Name :	P7
Client Sample ID :	3444	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:46:43	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2061.10	2037.85	2043.24	2047.40	0.59	ppb
Antimony	121-1	4.42	4.55	4.61	4.53	2.08	ppb
Arsenic	75-2	14.95	14.07	13.54	14.19	5.05	ppb
Barium	135-1	98.51	99.87	100.57	99.65	1.05	ppb
Barium	137-1	97.31	99.11	101.18	99.20	1.95	ppb
Beryllium	9-1	0.15	0.19	0.24	0.19	23.29	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.05	10.05	11.23	10.78	5.87	ppb
Cadmium	106-1	9.98	9.50	9.38	9.62	3.33	ppb
Cadmium	111-1	10.03	10.32	10.13	10.16	1.41	ppb
Calcium	43-1	73689.12	74443.63	73904.44	74012.40	0.53	ppb
Calcium	44-1	70393.69	72069.64	69997.25	70820.19	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.49	13.50	13.72	13.57	0.97	ppb
Cobalt	59-2	7.95	7.70	7.90	7.85	1.64	ppb
Copper	63-2	326.73	325.35	332.02	328.03	1.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	6724.57	6672.83	6736.64	6711.35	0.51	ppb
Iron	57-2	7379.99	7348.33	7441.94	7390.09	0.64	ppb
Iron	54-2	6952.51	6885.78	7080.73	6973.01	1.42	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04	Instrumnet Name :	P7
Client Sample ID :	3444	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:46:43	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	129.69	133.41	129.85	130.99	1.61	ppb
Lead	207-1	124.86	126.56	123.19	124.87	1.35	ppb
Lead	208-1	126.11	127.83	126.12	126.69	0.78	ppb
Lithium	6-1				98		%
Magnesium	24-2	10665.93	10741.51	10826.78	10744.74	0.75	ppb
Manganese	55-2	259.01	256.30	263.12	259.47	1.32	ppb
Molybdenum	94-1	17.53	18.19	17.76	17.83	1.89	ppb
Molybdenum	95-1	12.95	13.58	13.05	13.19	2.54	ppb
Molybdenum	96-1	13.57	14.04	13.56	13.72	1.99	ppb
Molybdenum	97-1	13.13	14.06	13.48	13.56	3.49	ppb
Molybdenum	98-1	12.92	13.84	13.12	13.29	3.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.87	23.83	23.93	23.88	0.21	ppb
Phosphorus	31-2	1085.13	1072.34	1097.90	1085.12	1.18	ppb
Potassium	39-2	17745.92	17381.93	17858.89	17662.24	1.41	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	-0.17	-0.01	0.17	0.00		ppb
Selenium	77-2	0.52	1.21	1.64	1.12	50.66	ppb
Selenium	78-2	0.66	0.21	-0.54	0.11	548.52	ppb
Silicon	28-1	598.51	631.43	607.33	612.42	2.78	ppb
Silver	107-1	0.59	0.58	0.55	0.57	4.24	ppb
Silver	109-1	0.53	0.56	0.56	0.55	2.99	ppb
Sodium	23-2	155965.34	157490.88	159833.67	157763.30	1.24	ppb
Strontium	86-1	176.68	181.88	178.17	178.91	1.50	ppb
Strontium	88-1	182.28	186.23	182.17	183.56	1.26	ppb
Sulfur	34-1	40047.90	40806.22	39776.70	40210.27	1.33	ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.05	0.07	0.07	0.06	14.61	ppb
Thallium	205-1	0.04	0.05	0.06	0.05	15.04	ppb
Tin	118-1	7.25	7.43	7.56	7.41	2.13	ppb
Titanium	47-1	85.54	92.85	85.61	88.00	4.77	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04	Instrumnet Name :	P7
Client Sample ID :	3444	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:46:43	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.40	0.40	0.41	0.40	1.13	ppb
Vanadium	51-2	8.56	8.55	8.62	8.58	0.43	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	3998.71	3918.25	4079.98	3998.98	2.02	ppb
Zirconium	90-1	3.73	3.89	3.65	3.76	3.25	ppb
Zirconium	91-1	3.69	3.70	3.81	3.73	1.75	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04DUP	Instrumnet Name :	P7
Client Sample ID :	3444DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:49:55	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2008.82	2012.13	1992.64	2004.53	0.52	ppb
Antimony	121-1	4.47	4.45	4.54	4.49	1.05	ppb
Arsenic	75-2	14.10	13.50	13.44	13.68	2.69	ppb
Barium	135-1	98.84	98.61	97.41	98.28	0.78	ppb
Barium	137-1	97.45	97.98	99.87	98.43	1.30	ppb
Beryllium	9-1	0.15	0.21	0.16	0.18	17.49	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.35	11.12	10.49	10.99	4.08	ppb
Cadmium	106-1	8.56	9.55	9.59	9.24	6.32	ppb
Cadmium	111-1	10.11	10.05	10.16	10.11	0.53	ppb
Calcium	43-1	74450.21	76780.10	76440.68	75890.33	1.66	ppb
Calcium	44-1	71198.73	73555.06	73553.53	72769.11	1.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.97	14.79	14.36	14.70	2.13	ppb
Cobalt	59-2	7.97	8.00	8.04	8.00	0.43	ppb
Copper	63-2	332.67	334.17	332.78	333.21	0.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	6795.85	6875.86	6812.92	6828.21	0.62	ppb
Iron	57-2	7443.30	7497.70	7501.15	7480.72	0.43	ppb
Iron	54-2	7030.47	7044.20	7017.48	7030.72	0.19	ppb
Krypton	83-1						cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04DUP	Instrumnet Name :	P7
Client Sample ID :	3444DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:49:55	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	130.83	132.41	135.39	132.88	1.74	ppb
Lead	207-1	126.27	127.12	130.38	127.92	1.70	ppb
Lead	208-1	127.14	128.35	131.58	129.03	1.78	ppb
Lithium	6-1				99		%
Magnesium	24-2	11018.52	10854.94	11064.99	10979.48	1.00	ppb
Manganese	55-2	237.37	239.45	235.99	237.60	0.73	ppb
Molybdenum	94-1	17.50	18.64	17.99	18.04	3.18	ppb
Molybdenum	95-1	13.40	14.12	13.49	13.67	2.89	ppb
Molybdenum	96-1	13.71	14.55	14.24	14.17	2.98	ppb
Molybdenum	97-1	13.56	14.05	13.99	13.87	1.92	ppb
Molybdenum	98-1	13.42	13.93	13.56	13.64	1.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.84	24.46	24.17	24.49	1.37	ppb
Phosphorus	31-2	1115.91	1121.52	1120.10	1119.18	0.26	ppb
Potassium	39-2	18081.11	18241.28	17922.62	18081.67	0.88	ppb
Rhodium	103-1				105		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	-0.10	-0.35	0.03	-0.14		ppb
Selenium	77-2	0.75	2.09	0.95	1.26	57.59	ppb
Selenium	78-2	1.31	-0.54	-1.72	-0.32		ppb
Silicon	28-1	587.62	599.39	601.79	596.26	1.27	ppb
Silver	107-1	0.55	0.55	0.57	0.56	2.25	ppb
Silver	109-1	0.55	0.56	0.53	0.54	3.00	ppb
Sodium	23-2	162311.45	160858.25	162444.35	161871.35	0.54	ppb
Strontium	86-1	181.09	188.33	183.13	184.19	2.03	ppb
Strontium	88-1	191.76	189.91	189.38	190.35	0.65	ppb
Sulfur	34-1	38429.81	40824.35	37583.59	38945.92	4.32	ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	0.04	0.05	0.04	0.05	10.36	ppb
Thallium	205-1	0.04	0.05	0.04	0.05	12.79	ppb
Tin	118-1	6.34	6.40	6.46	6.40	0.95	ppb
Titanium	47-1	90.09	87.17	87.21	88.16	1.90	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04DUP	Instrumnet Name :	P7
Client Sample ID :	3444DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:49:55	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.40	0.39	0.42	0.40	3.49	ppb
Vanadium	51-2	8.40	8.76	8.54	8.56	2.09	ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	4019.36	4054.87	4094.83	4056.36	0.93	ppb
Zirconium	90-1	3.67	3.88	3.72	3.76	2.96	ppb
Zirconium	91-1	3.65	3.98	3.80	3.81	4.34	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04LX5	Instrumnet Name :	P7
Client Sample ID :	3444L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 13:53:08	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	423.07	410.90	415.11	416.36	1.48	ppb
Antimony	121-1	0.95	0.91	0.92	0.93	2.35	ppb
Arsenic	75-2	3.01	2.71	2.75	2.83	5.66	ppb
Barium	135-1	19.76	20.29	20.18	20.08	1.40	ppb
Barium	137-1	19.83	20.14	19.98	19.98	0.80	ppb
Beryllium	9-1	0.01	0.03	0.05	0.03	59.53	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.61	2.17	1.86	1.88	14.95	ppb
Cadmium	106-1	0.69	0.66	0.64	0.66	3.27	ppb
Cadmium	111-1	2.01	2.03	2.02	2.02	0.59	ppb
Calcium	43-1	14765.03	14717.38	14842.35	14774.92	0.43	ppb
Calcium	44-1	14153.39	14300.99	14524.85	14326.41	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.70	2.63	2.71	2.68	1.62	ppb
Cobalt	59-2	1.63	1.58	1.58	1.60	1.82	ppb
Copper	63-2	66.84	67.98	67.02	67.28	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				103		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	1361.67	1397.30	1371.84	1376.94	1.33	ppb
Iron	57-2	1507.20	1500.57	1500.45	1502.74	0.26	ppb
Iron	54-2	1401.49	1428.40	1415.55	1415.15	0.95	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04LX5	Instrumnet Name :	P7
Client Sample ID :	3444L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 13:53:08	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.40	25.61	25.80	25.60	0.79	ppb
Lead	207-1	24.64	24.25	24.34	24.41	0.84	ppb
Lead	208-1	24.99	24.75	24.82	24.86	0.49	ppb
Lithium	6-1				94		%
Magnesium	24-2	2157.14	2150.02	2137.23	2148.13	0.47	ppb
Manganese	55-2	51.88	52.13	53.00	52.34	1.13	ppb
Molybdenum	94-1	3.44	3.55	3.53	3.51	1.73	ppb
Molybdenum	95-1	2.67	2.78	2.72	2.72	2.12	ppb
Molybdenum	96-1	2.81	2.69	2.81	2.77	2.56	ppb
Molybdenum	97-1	2.78	2.81	2.72	2.77	1.58	ppb
Molybdenum	98-1	2.66	2.70	2.75	2.70	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.63	4.82	4.74	4.73	2.09	ppb
Phosphorus	31-2	192.53	199.24	188.07	193.28	2.91	ppb
Potassium	39-2	3691.98	3724.14	3702.32	3706.15	0.44	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	-0.64	-0.67	-0.57	-0.63		ppb
Selenium	77-2	-0.16	0.99	0.55	0.46	125.66	ppb
Selenium	78-2	-1.51	0.18	0.09	-0.41		ppb
Silicon	28-1	123.89	124.58	128.00	125.49	1.75	ppb
Silver	107-1	0.11	0.11	0.09	0.11	9.86	ppb
Silver	109-1	0.12	0.11	0.11	0.11	6.21	ppb
Sodium	23-2	32033.71	32143.29	32150.80	32109.27	0.20	ppb
Strontium	86-1	36.38	36.63	36.45	36.49	0.36	ppb
Strontium	88-1	36.51	36.63	36.52	36.55	0.18	ppb
Sulfur	34-1	7006.42	7138.55	7020.31	7055.10	1.03	ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.02	0.02	0.02	25.24	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	52.30	ppb
Tin	118-1	1.52	1.54	1.65	1.57	4.43	ppb
Titanium	47-1	16.64	16.85	17.32	16.94	2.06	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04LX5	Instrumnet Name :	P7
Client Sample ID :	3444L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 13:53:08	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.07	0.06	0.07	0.07	3.50	ppb
Vanadium	51-2	1.70	1.68	1.72	1.70	1.14	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	817.13	814.47	810.11	813.91	0.44	ppb
Zirconium	90-1	0.73	0.76	0.78	0.76	3.71	ppb
Zirconium	91-1	0.74	0.76	0.80	0.77	4.32	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MS	Instrumnet Name :	P7
Client Sample ID :	3444MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:56:29	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10483.42	10550.03	10542.35	10525.27	0.35	ppb
Antimony	121-1	501.68	499.90	498.69	500.09	0.30	ppb
Arsenic	75-2	496.86	491.67	490.02	492.85	0.72	ppb
Barium	135-1	2320.72	2282.32	2323.06	2308.70	0.99	ppb
Barium	137-1	2301.63	2303.66	2255.57	2286.96	1.19	ppb
Beryllium	9-1	495.55	481.69	481.32	486.19	1.67	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	473.60	464.89	462.75	467.08	1.23	ppb
Cadmium	106-1	496.38	485.72	482.94	488.35	1.45	ppb
Cadmium	111-1	495.34	486.64	493.13	491.70	0.92	ppb
Calcium	43-1	118777.75	120104.56	116914.82	118599.04	1.35	ppb
Calcium	44-1	115120.39	116486.46	116051.64	115886.16	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	472.23	460.93	453.89	462.35	2.00	ppb
Cobalt	59-2	477.21	469.92	477.01	474.71	0.87	ppb
Copper	63-2	4729.62	4637.83	4648.99	4672.14	1.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	28043.77	28346.76	27934.60	28108.38	0.76	ppb
Iron	57-2	28817.43	28391.56	28553.25	28587.41	0.75	ppb
Iron	54-2	27860.30	28344.96	28546.03	28250.43	1.25	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MS	Instrumnet Name :	P7
Client Sample ID :	3444MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:56:29	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2512.82	2560.88	2540.11	2537.94	0.95	ppb
Lead	207-1	2482.12	2617.47	2523.80	2541.13	2.73	ppb
Lead	208-1	2507.17	2589.66	2513.76	2536.86	1.81	ppb
Lithium	6-1				100		%
Magnesium	24-2	59797.52	61054.67	59236.11	60029.43	1.55	ppb
Manganese	55-2	4663.65	4605.22	4522.86	4597.24	1.54	ppb
Molybdenum	94-1	2254.76	2189.37	2218.28	2220.80	1.48	ppb
Molybdenum	95-1	1689.24	1661.10	1680.52	1676.96	0.86	ppb
Molybdenum	96-1	1729.25	1734.68	1749.54	1737.82	0.60	ppb
Molybdenum	97-1	1710.26	1655.57	1710.11	1691.98	1.86	ppb
Molybdenum	98-1	1704.27	1657.33	1663.37	1674.99	1.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	477.15	478.52	479.36	478.34	0.23	ppb
Phosphorus	31-2	1020.51	1032.56	1001.63	1018.23	1.53	ppb
Potassium	39-2	38356.01	38848.41	38321.71	38508.71	0.77	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	475.67	470.99	476.67	474.45	0.64	ppb
Selenium	77-2	474.50	474.23	475.16	474.63	0.10	ppb
Selenium	78-2	480.93	479.62	484.32	481.62	0.50	ppb
Silicon	28-1	564.15	580.48	562.14	568.92	1.77	ppb
Silver	107-1	80.21	79.29	79.65	79.72	0.58	ppb
Silver	109-1	79.34	77.97	78.90	78.74	0.89	ppb
Sodium	23-2	200650.78	199951.79	200387.91	200330.16	0.18	ppb
Strontium	86-1	698.23	691.54	702.12	697.30	0.77	ppb
Strontium	88-1	709.27	707.50	710.82	709.20	0.23	ppb
Sulfur	34-1	35187.89	34132.81	34771.35	34697.35	1.53	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	454.10	489.24	465.36	469.56	3.82	ppb
Thallium	205-1	466.84	486.56	472.23	475.21	2.14	ppb
Tin	118-1	450.51	439.01	441.53	443.68	1.36	ppb
Titanium	47-1	81.69	80.61	82.13	81.48	0.96	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MS	Instrumnet Name :	P7
Client Sample ID :	3444MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:56:29	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	461.18	457.80	446.44	455.14	1.70	ppb
Vanadium	51-2	492.15	494.19	488.52	491.62	0.58	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	8117.04	8023.20	7842.11	7994.12	1.75	ppb
Zirconium	90-1	456.63	450.70	453.75	453.69	0.65	ppb
Zirconium	91-1	449.91	452.41	454.10	452.14	0.47	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MSD	Instrumnet Name :	P7
Client Sample ID :	3444MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:59:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10677.90	10773.78	10742.46	10731.38	0.46	ppb
Antimony	121-1	488.88	472.81	495.90	485.86	2.44	ppb
Arsenic	75-2	471.90	467.07	487.62	475.53	2.26	ppb
Barium	135-1	2273.98	2192.18	2268.16	2244.77	2.03	ppb
Barium	137-1	2257.35	2171.44	2212.10	2213.63	1.94	ppb
Beryllium	9-1	470.85	479.38	474.68	474.97	0.90	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	471.76	455.38	465.66	464.27	1.78	ppb
Cadmium	106-1	485.83	473.20	487.69	482.24	1.63	ppb
Cadmium	111-1	482.25	460.63	484.13	475.67	2.75	ppb
Calcium	43-1	114400.97	118653.09	117981.79	117011.95	1.95	ppb
Calcium	44-1	112293.56	114208.60	115490.07	113997.41	1.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	455.15	454.71	451.47	453.77	0.44	ppb
Cobalt	59-2	468.96	472.33	480.20	473.83	1.22	ppb
Copper	63-2	4702.52	4771.10	4630.94	4701.52	1.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				112		%
Indium	115-1				109		%
Indium	115-2				108		%
Iron	56-2	27617.84	27944.92	27933.92	27832.23	0.67	ppb
Iron	57-2	28107.12	28414.77	28612.73	28378.21	0.90	ppb
Iron	54-2	27958.79	27981.06	28603.40	28181.08	1.30	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MSD	Instrumnet Name :	P7
Client Sample ID :	3444MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:59:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2576.47	2610.98	2510.15	2565.87	2.00	ppb
Lead	207-1	2502.98	2578.95	2530.09	2537.34	1.52	ppb
Lead	208-1	2559.68	2577.44	2498.32	2545.15	1.63	ppb
Lithium	6-1				103		%
Magnesium	24-2	60096.10	62384.84	61117.50	61199.48	1.87	ppb
Manganese	55-2	4574.04	4448.55	4583.94	4535.51	1.66	ppb
Molybdenum	94-1	2159.11	2143.93	2193.40	2165.48	1.17	ppb
Molybdenum	95-1	1676.34	1653.21	1717.10	1682.22	1.92	ppb
Molybdenum	96-1	1750.48	1756.09	1775.58	1760.72	0.75	ppb
Molybdenum	97-1	1687.67	1647.61	1684.79	1673.36	1.34	ppb
Molybdenum	98-1	1690.19	1641.93	1656.97	1663.03	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	469.67	476.00	474.83	473.50	0.71	ppb
Phosphorus	31-2	983.89	1035.98	968.74	996.20	3.54	ppb
Potassium	39-2	38616.41	38370.65	37777.45	38254.84	1.13	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				112		%
Selenium	82-1	466.23	471.29	474.54	470.69	0.89	ppb
Selenium	77-2	469.81	467.46	482.02	473.10	1.65	ppb
Selenium	78-2	466.97	467.12	483.28	472.46	1.98	ppb
Silicon	28-1	550.66	568.84	573.32	564.27	2.13	ppb
Silver	107-1	78.85	75.30	79.53	77.90	2.91	ppb
Silver	109-1	76.96	74.09	76.76	75.93	2.11	ppb
Sodium	23-2	200470.36	203270.35	198042.23	200594.32	1.30	ppb
Strontium	86-1	695.88	684.57	689.66	690.03	0.82	ppb
Strontium	88-1	704.75	697.33	717.86	706.64	1.47	ppb
Sulfur	34-1	33862.84	36857.39	34692.60	35137.61	4.40	ppb
Terbium	159-1				112		%
Terbium	159-2				112		%
Thallium	203-1	467.33	484.05	469.90	473.76	1.90	ppb
Thallium	205-1	487.38	477.75	479.37	481.50	1.07	ppb
Tin	118-1	446.64	431.48	437.83	438.65	1.74	ppb
Titanium	47-1	80.54	84.13	81.30	81.99	2.31	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MSD	Instrumnet Name :	P7
Client Sample ID :	3444MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:59:25	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	457.32	458.68	451.72	455.91	0.81	ppb
Vanadium	51-2	480.11	484.38	481.05	481.85	0.47	ppb
Yttrium	89-1				113		%
Yttrium	89-2				111		%
Zinc	66-2	7811.58	8001.18	7995.51	7936.09	1.36	ppb
Zirconium	90-1	451.52	449.90	456.42	452.61	0.75	ppb
Zirconium	91-1	444.10	445.22	449.72	446.35	0.67	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04A	Instrumnet Name :	P7
Client Sample ID :	3444A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:02:13	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10920.89	10774.01	10641.35	10778.75	1.30	ppb
Antimony	121-1	486.96	501.30	487.27	491.84	1.67	ppb
Arsenic	75-2	484.50	492.23	478.35	485.03	1.43	ppb
Barium	135-1	2180.63	2332.04	2223.41	2245.36	3.48	ppb
Barium	137-1	2178.20	2288.94	2274.11	2247.08	2.68	ppb
Beryllium	9-1	482.49	495.83	487.62	488.65	1.38	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	468.48	480.62	472.61	473.90	1.30	ppb
Cadmium	106-1	489.37	501.88	474.52	488.59	2.80	ppb
Cadmium	111-1	480.62	495.60	484.12	486.78	1.61	ppb
Calcium	43-1	115895.45	118883.72	119115.22	117964.80	1.52	ppb
Calcium	44-1	111944.05	115993.67	115819.56	114585.76	2.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	460.58	464.78	462.74	462.70	0.45	ppb
Cobalt	59-2	491.39	491.82	484.43	489.21	0.85	ppb
Copper	63-2	4710.35	4662.18	4702.01	4691.52	0.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				112		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	28151.20	28326.34	28084.07	28187.20	0.44	ppb
Iron	57-2	28624.80	28547.38	29352.63	28841.60	1.54	ppb
Iron	54-2	28947.94	27799.24	28993.50	28580.22	2.37	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04A	Instrumnet Name :	P7
Client Sample ID :	3444A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:02:13	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2505.49	2623.08	2586.96	2571.84	2.34	ppb
Lead	207-1	2553.86	2618.35	2568.02	2580.07	1.31	ppb
Lead	208-1	2544.86	2601.25	2589.96	2578.69	1.16	ppb
Lithium	6-1				102		%
Magnesium	24-2	60806.95	59829.98	59767.68	60134.87	0.97	ppb
Manganese	55-2	4530.81	4528.98	4582.99	4547.60	0.67	ppb
Molybdenum	94-1	2199.92	2197.75	2259.35	2219.01	1.58	ppb
Molybdenum	95-1	1717.57	1682.99	1706.03	1702.20	1.03	ppb
Molybdenum	96-1	1774.92	1726.51	1805.55	1768.99	2.25	ppb
Molybdenum	97-1	1717.67	1688.71	1708.58	1704.99	0.87	ppb
Molybdenum	98-1	1701.15	1656.83	1705.47	1687.82	1.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	486.64	482.54	485.10	484.76	0.43	ppb
Phosphorus	31-2	1024.75	983.25	1048.23	1018.74	3.23	ppb
Potassium	39-2	38931.94	38447.96	38804.74	38728.21	0.65	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				111		%
Scandium	45-2				112		%
Selenium	82-1	478.16	472.43	490.41	480.33	1.91	ppb
Selenium	77-2	498.29	514.84	475.88	496.34	3.94	ppb
Selenium	78-2	488.40	488.62	478.38	485.13	1.21	ppb
Silicon	28-1	548.58	553.37	568.99	556.98	1.92	ppb
Silver	107-1	78.77	81.26	79.57	79.87	1.59	ppb
Silver	109-1	76.62	79.59	78.10	78.10	1.90	ppb
Sodium	23-2	199500.88	199612.91	201863.66	200325.82	0.67	ppb
Strontium	86-1	704.47	698.06	721.80	708.11	1.73	ppb
Strontium	88-1	727.02	715.30	732.72	725.01	1.23	ppb
Sulfur	34-1	33799.13	37727.85	34828.92	35451.97	5.75	ppb
Terbium	159-1				113		%
Terbium	159-2				111		%
Thallium	203-1	470.24	488.88	490.01	483.04	2.30	ppb
Thallium	205-1	478.51	500.10	492.67	490.43	2.24	ppb
Tin	118-1	431.94	453.18	447.53	444.22	2.48	ppb
Titanium	47-1	78.60	81.21	83.52	81.11	3.04	ppb

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04A	Instrumnet Name :	P7
Client Sample ID :	3444A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:02:13	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	461.70	472.08	463.47	465.75	1.19	ppb
Vanadium	51-2	495.87	494.66	500.15	496.89	0.58	ppb
Yttrium	89-1				113		%
Yttrium	89-2				111		%
Zinc	66-2	8003.89	8049.17	8113.48	8055.51	0.68	ppb
Zirconium	90-1	474.82	458.24	466.67	466.58	1.78	ppb
Zirconium	91-1	460.50	454.16	467.59	460.75	1.46	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BL	Instrumnet Name :	P7
Client Sample ID :	PB170191BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:08:34	DataFile Name :	044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.28	-0.52	-0.37	-0.39		ppb
Antimony	121-1	0.02	0.01	0.02	0.02	36.80	ppb
Arsenic	75-2	-0.01	-0.02	-0.02	-0.01		ppb
Barium	135-1	0.00	0.01	0.01	0.01	38.60	ppb
Barium	137-1	0.02	0.00	0.01	0.01	119.88	ppb
Beryllium	9-1	0.02	0.01	0.02	0.01	40.70	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.11	0.08	0.05	135.64	ppb
Cadmium	106-1	-1.88	-1.89	-1.95	-1.90		ppb
Cadmium	111-1	-0.11	-0.11	-0.14	-0.12		ppb
Calcium	43-1	-6.17	-1.76	-1.87	-3.27		ppb
Calcium	44-1	8.61	8.67	14.07	10.45	29.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.02	0.06	0.02	229.76	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.27	0.26	0.32	0.29	10.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	0.53	0.45	0.59	0.52	12.82	ppb
Iron	57-2	2.99	3.55	0.44	2.33	71.23	ppb
Iron	54-2	0.50	-0.34	0.49	0.22	224.08	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BL	Instrumnet Name :	P7
Client Sample ID :	PB170191BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:08:34	DataFile Name :	044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.02	0.02	0.03	23.09	ppb
Lead	207-1	0.05	0.04	0.04	0.04	14.65	ppb
Lead	208-1	0.04	0.04	0.03	0.04	11.33	ppb
Lithium	6-1				95		%
Magnesium	24-2	0.44	0.77	0.68	0.63	26.73	ppb
Manganese	55-2	-0.01	-0.02	0.00	-0.01		ppb
Molybdenum	94-1	0.06	0.04	0.03	0.04	42.05	ppb
Molybdenum	95-1	0.02	0.02	0.05	0.03	48.21	ppb
Molybdenum	96-1	0.04	0.00	0.02	0.02	92.66	ppb
Molybdenum	97-1	0.02	0.04	0.04	0.03	24.61	ppb
Molybdenum	98-1	0.01	0.00	0.03	0.01	98.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.08	-0.07	-0.09	-0.08		ppb
Phosphorus	31-2	-26.27	-37.66	-35.08	-33.00		ppb
Potassium	39-2	11.89	8.09	11.04	10.34	19.28	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	-0.74	-0.48	0.19	-0.34		ppb
Selenium	77-2	0.07	-0.16	0.31	0.07	313.98	ppb
Selenium	78-2	-1.06	-0.20	0.26	-0.33		ppb
Silicon	28-1	0.55	0.46	0.79	0.60	28.42	ppb
Silver	107-1	0.01	0.01	0.01	0.01	8.41	ppb
Silver	109-1	0.01	0.01	0.01	0.01	36.32	ppb
Sodium	23-2	55.16	55.26	56.67	55.70	1.52	ppb
Strontium	86-1	0.01	0.05	0.07	0.04	71.16	ppb
Strontium	88-1	0.01	0.01	0.01	0.01	9.47	ppb
Sulfur	34-1	-318.78	-262.19	-15.64	-198.87		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.06	0.06	0.06	0.06	3.62	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	12.84	ppb
Tin	118-1	0.07	0.08	0.07	0.07	5.17	ppb
Titanium	47-1	-0.04	0.05	0.03	0.02	292.57	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BL	Instrumnet Name :	P7
Client Sample ID :	PB170191BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:08:34	DataFile Name :	044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	45.04	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	0.20	0.00	-0.10	0.03	425.55	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	40.52	ppb
Zirconium	91-1	0.02	0.00	0.02	0.01	56.94	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:11:59	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51653.82	50046.48	50026.27	50575.52	1.85	ppb
Antimony	121-1	515.37	526.84	502.95	515.06	2.32	ppb
Arsenic	75-2	486.55	488.56	489.18	488.10	0.28	ppb
Barium	135-1	2601.59	2624.34	2600.89	2608.94	0.51	ppb
Barium	137-1	2587.74	2629.82	2551.24	2589.60	1.52	ppb
Beryllium	9-1	501.32	506.37	503.60	503.76	0.50	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	498.57	507.87	485.38	497.27	2.27	ppb
Cadmium	106-1	513.19	512.24	483.45	502.96	3.36	ppb
Cadmium	111-1	502.42	502.47	485.31	496.73	1.99	ppb
Calcium	43-1	253563.80	259847.97	253004.50	255472.09	1.49	ppb
Calcium	44-1	245968.15	255345.79	250197.17	250503.70	1.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.13	486.19	486.49	493.61	2.55	ppb
Cobalt	59-2	496.60	497.88	489.00	494.49	0.97	ppb
Copper	63-2	5064.04	4905.07	4854.42	4941.18	2.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	130964.98	131632.92	128690.11	130429.34	1.18	ppb
Iron	57-2	130500.67	128689.80	127453.00	128881.16	1.19	ppb
Iron	54-2	131189.74	127080.41	128165.61	128811.92	1.65	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:11:59	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2567.15	2587.68	2601.02	2585.28	0.66	ppb
Lead	207-1	2541.56	2517.77	2516.91	2525.41	0.55	ppb
Lead	208-1	2581.25	2517.58	2539.46	2546.10	1.27	ppb
Lithium	6-1				95		%
Magnesium	24-2	253473.63	252830.14	249393.38	251899.05	0.87	ppb
Manganese	55-2	5116.66	4981.00	4925.72	5007.79	1.96	ppb
Molybdenum	94-1	5089.62	5074.97	4922.73	5029.11	1.84	ppb
Molybdenum	95-1	4914.73	4994.13	5017.89	4975.58	1.09	ppb
Molybdenum	96-1	4972.79	5046.79	5053.84	5024.47	0.89	ppb
Molybdenum	97-1	4942.41	5038.74	4951.55	4977.57	1.07	ppb
Molybdenum	98-1	4880.84	5004.86	4972.56	4952.75	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	494.55	483.54	479.40	485.83	1.61	ppb
Phosphorus	31-2	10182.19	9980.79	10103.38	10088.79	1.01	ppb
Potassium	39-2	128777.17	127443.39	127327.90	127849.49	0.63	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	466.71	469.97	470.38	469.02	0.43	ppb
Selenium	77-2	464.86	459.69	480.73	468.43	2.34	ppb
Selenium	78-2	467.04	471.71	478.07	472.28	1.17	ppb
Silicon	28-1	517.22	529.76	522.67	523.22	1.20	ppb
Silver	107-1	521.64	513.52	497.59	510.92	2.39	ppb
Silver	109-1	520.25	514.53	495.20	509.99	2.57	ppb
Sodium	23-2	257353.97	251415.87	253180.32	253983.39	1.20	ppb
Strontium	86-1	495.15	498.84	501.24	498.41	0.61	ppb
Strontium	88-1	504.80	508.44	511.88	508.37	0.70	ppb
Sulfur	34-1	9456.38	9671.84	9618.26	9582.16	1.17	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	515.74	520.52	519.14	518.46	0.47	ppb
Thallium	205-1	519.34	543.15	519.48	527.32	2.60	ppb
Tin	118-1	528.07	526.91	509.04	521.34	2.05	ppb
Titanium	47-1	5052.27	5120.33	5061.57	5078.06	0.73	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:11:59	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	507.86	508.46	506.43	507.58	0.21	ppb
Vanadium	51-2	508.71	508.53	502.68	506.64	0.68	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	4949.97	4702.87	4670.79	4774.54	3.20	ppb
Zirconium	90-1	496.62	502.83	506.69	502.05	1.01	ppb
Zirconium	91-1	496.63	497.95	496.95	497.17	0.14	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:18:19	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.03	-0.22	0.15	-0.03		ppb
Antimony	121-1	0.04	0.04	0.05	0.04	11.72	ppb
Arsenic	75-2	-0.02	-0.01	0.00	-0.01		ppb
Barium	135-1	-0.01	0.00	-0.01	-0.01		ppb
Barium	137-1	-0.02	0.00	0.00	-0.01		ppb
Beryllium	9-1	-0.01	0.00	0.00	0.00		ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.02	0.05	-0.13	-0.03		ppb
Cadmium	106-1	0.16	-2.16	-2.75	-1.58		ppb
Cadmium	111-1	0.01	-0.15	-0.18	-0.11		ppb
Calcium	43-1	3.54	-0.75	5.24	2.68	115.45	ppb
Calcium	44-1	16.02	9.70	9.38	11.70	32.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.07	-0.04	-0.05		ppb
Cobalt	59-2	-0.02	-0.01	-0.02	-0.02		ppb
Copper	63-2	0.18	0.16	0.12	0.15	20.01	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				101		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	1.98	2.05	2.61	2.21	15.73	ppb
Iron	57-2	3.72	5.06	2.21	3.66	38.97	ppb
Iron	54-2	1.69	1.69	0.01	1.13	85.88	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:18:19	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.02	0.02	42.97	ppb
Lead	207-1	0.04	0.03	0.03	0.03	17.39	ppb
Lead	208-1	0.03	0.03	0.02	0.03	7.27	ppb
Lithium	6-1				92		%
Magnesium	24-2	0.60	0.35	0.43	0.46	27.39	ppb
Manganese	55-2	-0.05	-0.01	-0.01	-0.02		ppb
Molybdenum	94-1	0.02	0.03	0.03	0.02	8.95	ppb
Molybdenum	95-1	0.02	0.05	0.05	0.04	39.51	ppb
Molybdenum	96-1	0.00	0.00	0.03	0.01	132.92	ppb
Molybdenum	97-1	0.01	0.00	0.01	0.01	76.74	ppb
Molybdenum	98-1	0.02	0.02	0.00	0.01	113.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.13	-0.17	-0.17	-0.15		ppb
Phosphorus	31-2	-28.52	-34.43	-38.15	-33.70		ppb
Potassium	39-2	16.52	16.47	10.70	14.57	22.98	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	-0.93	-0.39	0.68	-0.21		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	0.11	1.02	1.32	0.82	77.65	ppb
Silicon	28-1	0.72	0.50	0.29	0.50	41.86	ppb
Silver	107-1	0.01	0.02	0.01	0.01	35.01	ppb
Silver	109-1	0.01	0.01	0.00	0.01	26.68	ppb
Sodium	23-2	53.14	52.14	48.68	51.32	4.56	ppb
Strontium	86-1	0.01	0.04	0.05	0.03	54.10	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	21.72	ppb
Sulfur	34-1	295.60	153.08	-30.46	139.41	117.25	ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	0.05	0.03	0.02	0.03	35.96	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	10.51	ppb
Tin	118-1	0.07	0.07	0.07	0.07	2.13	ppb
Titanium	47-1	0.06	0.03	-0.03	0.02	200.06	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:18:19	DataFile Name :	047CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	-0.01	0.00	0.00		ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	0.49	0.28	0.18	0.32	49.67	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	19.13	ppb
Zirconium	91-1	0.02	0.01	0.00	0.01	67.83	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-01	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-085011-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:21:38	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	63210.45	62888.27	62053.07	62717.26	0.95	ppb
Antimony	121-1	1.68	1.82	1.85	1.78	4.97	ppb
Arsenic	75-2	232.04	240.39	238.94	237.12	1.88	ppb
Barium	135-1	1946.21	2036.45	2106.95	2029.87	3.97	ppb
Barium	137-1	1929.83	2089.37	2123.70	2047.63	5.05	ppb
Beryllium	9-1	4.31	4.49	4.98	4.59	7.50	ppb
Bismuth	209-1				111		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	29.54	30.14	29.20	29.63	1.59	ppb
Cadmium	106-1	30.94	36.76	34.65	34.12	8.64	ppb
Cadmium	111-1	28.11	30.96	30.53	29.87	5.15	ppb
Calcium	43-1	26413.06	28255.52	28618.51	27762.36	4.26	ppb
Calcium	44-1	24970.08	26778.72	27815.12	26521.31	5.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	894.43	889.34	909.53	897.76	1.17	ppb
Cobalt	59-2	52.88	52.36	52.89	52.71	0.57	ppb
Copper	63-2	1793.77	1808.73	1857.91	1820.14	1.84	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				108		%
Holmium	165-2				113		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	171975.76	176320.80	178205.33	175500.63	1.82	ppb
Iron	57-2	169734.86	171675.72	172437.11	171282.56	0.81	ppb
Iron	54-2	173718.25	173162.03	175760.58	174213.62	0.79	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-01	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-085011-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:21:38	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2847.10	3024.60	2971.65	2947.78	3.09	ppb
Lead	207-1	2736.51	2929.35	2936.51	2867.46	3.96	ppb
Lead	208-1	2799.94	2963.43	2934.24	2899.20	3.01	ppb
Lithium	6-1				101		%
Magnesium	24-2	33118.23	32604.64	32873.46	32865.44	0.78	ppb
Manganese	55-2	1639.81	1633.73	1665.61	1646.38	1.03	ppb
Molybdenum	94-1	83.14	84.89	86.11	84.71	1.77	ppb
Molybdenum	95-1	7.79	8.05	8.09	7.98	2.05	ppb
Molybdenum	96-1	16.59	16.83	17.12	16.85	1.58	ppb
Molybdenum	97-1	7.93	8.04	8.19	8.05	1.66	ppb
Molybdenum	98-1	7.71	7.83	7.82	7.78	0.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	254.61	257.04	254.76	255.47	0.53	ppb
Phosphorus	31-2	6584.65	6647.70	6699.61	6643.99	0.87	ppb
Potassium	39-2	14412.59	14438.42	14132.73	14327.91	1.18	ppb
Rhodium	103-1				105		%
Rhodium	103-2				107		%
Scandium	45-1				116		%
Scandium	45-2				117		%
Selenium	82-1	17.50	17.71	18.11	17.77	1.74	ppb
Selenium	77-2	42.63	49.51	40.38	44.17	10.76	ppb
Selenium	78-2	18.33	21.93	20.77	20.34	9.04	ppb
Silicon	28-1	103.17	109.35	114.72	109.08	5.30	ppb
Silver	107-1	30.29	32.77	33.31	32.12	5.01	ppb
Silver	109-1	29.69	32.59	32.88	31.72	5.57	ppb
Sodium	23-2	23158.61	23536.93	23686.00	23460.51	1.16	ppb
Strontium	86-1	251.10	255.21	258.41	254.90	1.44	ppb
Strontium	88-1	259.42	260.70	260.40	260.18	0.26	ppb
Sulfur	34-1	73847.48	80897.02	81283.98	78676.16	5.32	ppb
Terbium	159-1				108		%
Terbium	159-2				110		%
Thallium	203-1	2.39	2.53	2.45	2.46	2.78	ppb
Thallium	205-1	2.34	2.48	2.51	2.45	3.66	ppb
Tin	118-1	486.11	536.97	533.90	518.99	5.50	ppb
Titanium	47-1	1219.49	1289.97	1351.19	1286.88	5.12	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-01	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-085011-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:21:38	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.34	7.70	7.72	7.59	2.75	ppb
Vanadium	51-2	217.78	216.59	220.82	218.39	1.00	ppb
Yttrium	89-1				127		%
Yttrium	89-2				128		%
Zinc	66-2	3301.45	3254.40	3254.93	3270.26	0.83	ppb
Zirconium	90-1	43.11	43.87	44.61	43.87	1.71	ppb
Zirconium	91-1	42.81	44.38	44.48	43.89	2.13	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:24:43	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	77782.78	77682.61	77474.43	77646.61	0.20	ppb
Antimony	121-1	3.96	4.03	4.01	4.00	0.98	ppb
Arsenic	75-2	266.17	260.76	261.26	262.73	1.14	ppb
Barium	135-1	2122.13	2129.24	2111.51	2120.96	0.42	ppb
Barium	137-1	2108.96	2080.39	2143.05	2110.80	1.49	ppb
Beryllium	9-1	7.01	7.09	7.45	7.18	3.27	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	65.74	68.84	68.06	67.55	2.39	ppb
Cadmium	106-1	70.30	72.97	71.98	71.75	1.88	ppb
Cadmium	111-1	67.19	66.05	65.87	66.37	1.08	ppb
Calcium	43-1	55349.70	54759.55	54504.68	54871.31	0.79	ppb
Calcium	44-1	51811.93	52146.33	51201.95	51720.07	0.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2101.00	2157.13	2085.71	2114.62	1.78	ppb
Cobalt	59-2	81.68	81.95	81.79	81.81	0.17	ppb
Copper	63-2	2431.42	2449.58	2383.75	2421.58	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	56-2	232532.24	231447.61	228297.68	230759.18	0.95	ppb
Iron	57-2	225590.65	226131.45	231386.39	227702.83	1.41	ppb
Iron	54-2	230334.22	234296.79	231263.09	231964.70	0.89	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:24:43	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3573.95	3539.70	3729.68	3614.44	2.80	ppb
Lead	207-1	3462.20	3440.13	3530.75	3477.70	1.36	ppb
Lead	208-1	3498.92	3499.27	3601.04	3533.08	1.67	ppb
Lithium	6-1				96		%
Magnesium	24-2	48070.77	47948.88	48374.88	48131.51	0.46	ppb
Manganese	55-2	2088.54	2070.01	2076.52	2078.35	0.45	ppb
Molybdenum	94-1	125.82	125.48	126.41	125.90	0.37	ppb
Molybdenum	95-1	19.99	19.49	19.65	19.71	1.28	ppb
Molybdenum	96-1	31.99	32.24	32.26	32.16	0.48	ppb
Molybdenum	97-1	19.84	20.11	20.20	20.05	0.92	ppb
Molybdenum	98-1	19.70	19.28	19.59	19.52	1.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	533.63	539.83	532.25	535.24	0.75	ppb
Phosphorus	31-2	11380.16	11208.98	11324.91	11304.69	0.77	ppb
Potassium	39-2	16487.41	16089.69	16343.30	16306.80	1.23	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				117		%
Scandium	45-2				118		%
Selenium	82-1	14.68	15.66	15.49	15.28	3.41	ppb
Selenium	77-2	44.58	43.94	43.94	44.15	0.84	ppb
Selenium	78-2	17.60	18.51	18.89	18.33	3.62	ppb
Silicon	28-1	489.42	484.86	479.54	484.61	1.02	ppb
Silver	107-1	53.65	54.05	53.13	53.61	0.86	ppb
Silver	109-1	53.04	52.47	52.43	52.65	0.64	ppb
Sodium	23-2	36289.83	36629.23	37037.67	36652.24	1.02	ppb
Strontium	86-1	470.36	471.44	478.73	473.51	0.96	ppb
Strontium	88-1	480.08	490.07	483.89	484.68	1.04	ppb
Sulfur	34-1	105053.11	102902.02	106275.00	104743.38	1.63	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	2.38	2.25	2.37	2.33	3.05	ppb
Thallium	205-1	2.33	2.27	2.38	2.33	2.29	ppb
Tin	118-1	264.20	264.36	265.32	264.63	0.23	ppb
Titanium	47-1	2169.64	2180.67	2114.79	2155.03	1.64	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:24:43	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	11.09	10.88	11.22	11.06	1.57	ppb
Vanadium	51-2	423.24	425.26	421.40	423.30	0.46	ppb
Yttrium	89-1				129		%
Yttrium	89-2				130		%
Zinc	66-2	4204.10	4117.72	4201.15	4174.32	1.17	ppb
Zirconium	90-1	60.33	60.63	61.18	60.71	0.71	ppb
Zirconium	91-1	61.63	60.39	61.07	61.03	1.01	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:27:45	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50659.92	51358.02	51887.45	51301.80	1.20	ppb
Antimony	121-1	4.61	4.64	4.38	4.54	3.16	ppb
Arsenic	75-2	158.11	158.69	159.88	158.89	0.57	ppb
Barium	135-1	1452.90	1469.38	1442.36	1454.88	0.94	ppb
Barium	137-1	1449.69	1486.50	1452.00	1462.73	1.41	ppb
Beryllium	9-1	4.41	4.28	4.39	4.36	1.61	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	47.24	51.11	45.97	48.11	5.57	ppb
Cadmium	106-1	49.07	50.00	51.04	50.04	1.97	ppb
Cadmium	111-1	47.53	47.25	47.28	47.35	0.32	ppb
Calcium	43-1	42202.16	41730.87	42355.37	42096.13	0.77	ppb
Calcium	44-1	40805.34	40091.98	40490.46	40462.59	0.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1207.46	1204.05	1243.90	1218.47	1.81	ppb
Cobalt	59-2	62.73	62.51	64.41	63.21	1.64	ppb
Copper	63-2	1796.85	1788.74	1822.68	1802.76	0.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	139308.39	142935.59	144669.31	142304.43	1.92	ppb
Iron	57-2	137590.85	141012.59	141760.15	140121.20	1.59	ppb
Iron	54-2	139952.96	142293.26	145140.47	142462.23	1.82	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:27:45	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4241.11	4134.12	4355.59	4243.61	2.61	ppb
Lead	207-1	4006.64	3964.93	4078.23	4016.60	1.43	ppb
Lead	208-1	4166.57	4033.48	4249.93	4149.99	2.63	ppb
Lithium	6-1				93		%
Magnesium	24-2	42878.25	43153.56	42606.32	42879.38	0.64	ppb
Manganese	55-2	1128.30	1150.29	1142.79	1140.46	0.98	ppb
Molybdenum	94-1	80.37	78.52	79.74	79.55	1.18	ppb
Molybdenum	95-1	16.03	15.59	15.89	15.84	1.41	ppb
Molybdenum	96-1	23.64	22.66	23.30	23.20	2.14	ppb
Molybdenum	97-1	16.22	15.81	16.22	16.08	1.48	ppb
Molybdenum	98-1	15.69	15.21	15.82	15.57	2.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	499.62	500.55	513.60	504.59	1.55	ppb
Phosphorus	31-2	7380.99	7478.82	7719.27	7526.36	2.31	ppb
Potassium	39-2	10308.80	10717.86	10657.65	10561.44	2.09	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				113		%
Scandium	45-2				111		%
Selenium	82-1	10.17	9.77	9.72	9.89	2.48	ppb
Selenium	77-2	30.11	31.35	29.68	30.38	2.84	ppb
Selenium	78-2	14.81	13.17	14.07	14.02	5.87	ppb
Silicon	28-1	201.02	197.33	204.05	200.80	1.68	ppb
Silver	107-1	34.08	34.27	34.29	34.21	0.34	ppb
Silver	109-1	33.59	34.01	33.39	33.66	0.93	ppb
Sodium	23-2	32216.23	33128.41	33062.97	32802.54	1.55	ppb
Strontium	86-1	286.21	281.67	282.39	283.42	0.86	ppb
Strontium	88-1	298.27	287.64	289.51	291.81	1.94	ppb
Sulfur	34-1	72885.49	70650.18	70750.27	71428.65	1.77	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	1.46	1.49	1.43	1.46	2.02	ppb
Thallium	205-1	1.47	1.46	1.49	1.48	0.83	ppb
Tin	118-1	175.17	178.02	172.96	175.38	1.45	ppb
Titanium	47-1	1496.18	1498.81	1524.01	1506.33	1.02	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:27:45	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.04	7.02	7.25	7.11	1.78	ppb
Vanadium	51-2	363.98	366.35	371.08	367.14	0.98	ppb
Yttrium	89-1				123		%
Yttrium	89-2				121		%
Zinc	66-2	3485.75	3551.18	3560.67	3532.54	1.15	ppb
Zirconium	90-1	37.79	37.36	37.39	37.51	0.65	ppb
Zirconium	91-1	38.12	36.94	37.52	37.52	1.57	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:30:53	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	79569.90	81955.01	81537.43	81020.78	1.57	ppb
Antimony	121-1	1.76	1.84	1.85	1.81	2.82	ppb
Arsenic	75-2	332.44	336.88	339.12	336.15	1.01	ppb
Barium	135-1	2419.93	2490.99	2450.74	2453.89	1.45	ppb
Barium	137-1	2346.23	2472.65	2435.98	2418.29	2.69	ppb
Beryllium	9-1	5.97	5.98	6.08	6.01	0.99	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	21.04	23.51	22.21	22.26	5.54	ppb
Cadmium	106-1	26.22	26.54	26.00	26.25	1.04	ppb
Cadmium	111-1	19.00	18.94	19.34	19.09	1.14	ppb
Calcium	43-1	40798.18	40857.62	41291.51	40982.43	0.66	ppb
Calcium	44-1	39116.01	39628.61	39188.01	39310.88	0.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	992.88	961.65	957.39	970.64	2.00	ppb
Cobalt	59-2	69.92	71.04	70.14	70.37	0.84	ppb
Copper	63-2	1976.26	2024.90	2017.11	2006.09	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				107		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	213337.37	211255.01	212915.56	212502.65	0.52	ppb
Iron	57-2	205970.60	209795.84	205215.67	206994.04	1.19	ppb
Iron	54-2	214335.44	207116.57	208722.57	210058.19	1.80	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:30:53	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3552.77	3674.07	3634.92	3620.59	1.71	ppb
Lead	207-1	3410.97	3488.97	3473.51	3457.81	1.19	ppb
Lead	208-1	3490.66	3617.50	3535.37	3547.84	1.81	ppb
Lithium	6-1				96		%
Magnesium	24-2	43918.72	44236.03	44486.79	44213.85	0.64	ppb
Manganese	55-2	2475.99	2467.86	2503.20	2482.35	0.75	ppb
Molybdenum	94-1	101.51	105.85	101.12	102.83	2.55	ppb
Molybdenum	95-1	7.62	7.81	7.45	7.63	2.32	ppb
Molybdenum	96-1	18.53	18.96	18.16	18.55	2.14	ppb
Molybdenum	97-1	7.77	7.99	7.57	7.78	2.67	ppb
Molybdenum	98-1	7.48	7.84	7.47	7.60	2.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	302.06	304.88	304.49	303.81	0.50	ppb
Phosphorus	31-2	10927.55	11217.85	11161.46	11102.28	1.39	ppb
Potassium	39-2	17583.66	17767.27	17866.77	17739.23	0.81	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				117		%
Scandium	45-2				116		%
Selenium	82-1	25.20	25.31	25.94	25.48	1.56	ppb
Selenium	77-2	55.57	60.97	56.16	57.57	5.14	ppb
Selenium	78-2	31.26	32.02	30.04	31.11	3.22	ppb
Silicon	28-1	174.95	173.91	175.25	174.70	0.40	ppb
Silver	107-1	27.92	28.98	29.56	28.82	2.88	ppb
Silver	109-1	27.80	28.82	28.78	28.47	2.02	ppb
Sodium	23-2	29491.39	30056.01	30341.37	29962.92	1.44	ppb
Strontium	86-1	293.25	299.87	294.93	296.02	1.16	ppb
Strontium	88-1	308.36	304.36	300.03	304.25	1.37	ppb
Sulfur	34-1	75010.75	73155.62	72845.18	73670.51	1.59	ppb
Terbium	159-1				103		%
Terbium	159-2				107		%
Thallium	203-1	2.93	2.99	2.98	2.97	1.09	ppb
Thallium	205-1	2.87	3.02	2.96	2.95	2.60	ppb
Tin	118-1	510.50	525.68	533.67	523.28	2.25	ppb
Titanium	47-1	1478.23	1501.42	1488.53	1489.39	0.78	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:30:53	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.65	9.02	9.00	8.89	2.32	ppb
Vanadium	51-2	280.11	282.13	282.32	281.52	0.44	ppb
Yttrium	89-1				131		%
Yttrium	89-2				129		%
Zinc	66-2	3276.93	3244.58	3228.95	3250.15	0.75	ppb
Zirconium	90-1	53.30	54.49	52.88	53.56	1.56	ppb
Zirconium	91-1	52.99	55.10	52.76	53.62	2.41	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:34:00	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	107064.78	105362.98	108409.58	106945.78	1.43	ppb
Antimony	121-1	0.92	0.95	0.93	0.94	1.46	ppb
Arsenic	75-2	376.34	382.53	382.03	380.30	0.90	ppb
Barium	135-1	837.05	895.78	853.60	862.14	3.51	ppb
Barium	137-1	856.02	904.00	881.58	880.53	2.73	ppb
Beryllium	9-1	7.07	7.11	7.04	7.07	0.44	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.36	12.06	9.84	11.09	10.23	ppb
Cadmium	106-1	16.58	16.79	14.80	16.06	6.81	ppb
Cadmium	111-1	6.27	6.54	6.00	6.27	4.31	ppb
Calcium	43-1	33449.87	34456.10	35464.52	34456.83	2.92	ppb
Calcium	44-1	32300.92	33182.23	33924.10	33135.75	2.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	518.58	525.85	532.76	525.73	1.35	ppb
Cobalt	59-2	89.05	89.12	89.68	89.28	0.39	ppb
Copper	63-2	1323.65	1324.49	1338.17	1328.77	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				101		%
Holmium	165-2				105		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	262656.97	267174.32	265555.27	265128.85	0.86	ppb
Iron	57-2	251034.30	263419.65	259493.84	257982.60	2.45	ppb
Iron	54-2	261299.74	261846.70	261273.78	261473.40	0.12	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:34:00	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2696.77	2746.81	2669.98	2704.52	1.44	ppb
Lead	207-1	2535.31	2580.74	2467.72	2527.92	2.25	ppb
Lead	208-1	2635.96	2630.95	2556.53	2607.81	1.71	ppb
Lithium	6-1				95		%
Magnesium	24-2	49963.64	50309.82	49407.50	49893.65	0.91	ppb
Manganese	55-2	5435.17	5335.64	5346.14	5372.32	1.02	ppb
Molybdenum	94-1	117.08	120.31	120.68	119.36	1.66	ppb
Molybdenum	95-1	5.30	5.33	5.48	5.37	1.75	ppb
Molybdenum	96-1	18.55	18.38	18.96	18.63	1.58	ppb
Molybdenum	97-1	5.46	5.44	5.55	5.48	1.10	ppb
Molybdenum	98-1	5.29	5.32	5.28	5.30	0.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	290.89	296.14	292.08	293.04	0.94	ppb
Phosphorus	31-2	9565.02	9679.54	9781.87	9675.47	1.12	ppb
Potassium	39-2	20271.46	20757.43	20481.08	20503.32	1.19	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				117		%
Scandium	45-2				117		%
Selenium	82-1	9.32	8.99	9.39	9.24	2.37	ppb
Selenium	77-2	47.79	47.21	41.04	45.35	8.25	ppb
Selenium	78-2	13.74	14.80	13.21	13.92	5.81	ppb
Silicon	28-1	541.43	548.14	578.50	556.02	3.55	ppb
Silver	107-1	8.40	8.98	8.47	8.62	3.64	ppb
Silver	109-1	8.18	9.02	8.52	8.57	4.93	ppb
Sodium	23-2	22581.62	22405.38	23003.28	22663.43	1.36	ppb
Strontium	86-1	255.98	256.10	260.80	257.63	1.07	ppb
Strontium	88-1	265.68	265.18	270.60	267.15	1.12	ppb
Sulfur	34-1	57607.07	57630.54	58034.97	57757.53	0.42	ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	1.50	1.58	1.56	1.55	2.87	ppb
Thallium	205-1	1.53	1.52	1.47	1.51	2.07	ppb
Tin	118-1	192.45	205.75	193.66	197.29	3.73	ppb
Titanium	47-1	1863.35	1870.63	1933.68	1889.22	2.05	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:34:00	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.99	7.15	6.77	6.97	2.80	ppb
Vanadium	51-2	292.63	293.24	293.90	293.26	0.22	ppb
Yttrium	89-1				135		%
Yttrium	89-2				135		%
Zinc	66-2	1967.98	1997.33	1981.61	1982.30	0.74	ppb
Zirconium	90-1	62.15	63.70	64.36	63.40	1.79	ppb
Zirconium	91-1	62.82	64.02	65.03	63.96	1.73	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUP	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:37:05	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	118686.78	120215.41	118035.62	118979.27	0.94	ppb
Antimony	121-1	0.75	0.76	0.72	0.74	3.15	ppb
Arsenic	75-2	384.85	390.45	394.76	390.02	1.27	ppb
Barium	135-1	954.71	953.78	959.52	956.00	0.32	ppb
Barium	137-1	986.43	1003.41	985.02	991.62	1.03	ppb
Beryllium	9-1	7.70	8.36	8.11	8.06	4.12	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.90	10.80	11.91	11.54	5.54	ppb
Cadmium	106-1	16.63	17.74	17.75	17.38	3.70	ppb
Cadmium	111-1	7.09	7.40	6.92	7.14	3.42	ppb
Calcium	43-1	38590.54	37439.57	38375.92	38135.34	1.60	ppb
Calcium	44-1	36554.49	35865.91	37200.83	36540.41	1.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	608.84	596.51	606.58	603.97	1.09	ppb
Cobalt	59-2	99.46	99.37	97.68	98.84	1.01	ppb
Copper	63-2	1403.05	1381.02	1355.03	1379.70	1.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	302978.10	296071.98	295453.98	298168.02	1.40	ppb
Iron	57-2	291902.43	287099.02	289347.48	289449.64	0.83	ppb
Iron	54-2	293139.84	293257.57	292393.25	292930.22	0.16	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUP	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:37:05	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2944.26	3092.15	3076.83	3037.75	2.68	ppb
Lead	207-1	2853.73	2841.39	2908.42	2867.85	1.24	ppb
Lead	208-1	2897.88	2966.55	2994.62	2953.02	1.69	ppb
Lithium	6-1				97		%
Magnesium	24-2	56486.48	56274.95	54531.15	55764.19	1.92	ppb
Manganese	55-2	5812.45	5792.28	5773.91	5792.88	0.33	ppb
Molybdenum	94-1	128.95	130.01	129.85	129.60	0.44	ppb
Molybdenum	95-1	5.85	5.79	5.93	5.86	1.20	ppb
Molybdenum	96-1	20.07	20.23	20.16	20.15	0.41	ppb
Molybdenum	97-1	6.08	6.02	5.88	5.99	1.71	ppb
Molybdenum	98-1	5.73	5.84	5.72	5.76	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	317.27	312.81	309.65	313.24	1.22	ppb
Phosphorus	31-2	10665.27	10643.80	10669.38	10659.48	0.13	ppb
Potassium	39-2	21986.03	22875.33	23049.14	22636.83	2.52	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				119		%
Scandium	45-2				120		%
Selenium	82-1	9.27	10.62	9.95	9.95	6.76	ppb
Selenium	77-2	49.26	48.49	49.94	49.23	1.47	ppb
Selenium	78-2	17.88	14.96	16.35	16.40	8.91	ppb
Silicon	28-1	345.76	334.73	350.15	343.55	2.31	ppb
Silver	107-1	9.70	9.77	9.70	9.72	0.45	ppb
Silver	109-1	9.52	9.51	9.58	9.54	0.44	ppb
Sodium	23-2	24730.07	25036.87	24805.67	24857.53	0.64	ppb
Strontium	86-1	286.38	289.22	286.52	287.37	0.56	ppb
Strontium	88-1	294.52	302.51	300.98	299.34	1.42	ppb
Sulfur	34-1	68153.21	66173.04	66615.99	66980.75	1.55	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	1.82	1.76	1.73	1.77	2.50	ppb
Thallium	205-1	1.75	1.75	1.82	1.77	2.31	ppb
Tin	118-1	227.97	226.82	229.01	227.93	0.48	ppb
Titanium	47-1	1740.44	1725.84	1800.68	1755.65	2.26	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUP	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:37:05	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.09	8.27	8.20	8.19	1.05	ppb
Vanadium	51-2	330.55	327.36	324.42	327.44	0.94	ppb
Yttrium	89-1				138		%
Yttrium	89-2				139		%
Zinc	66-2	2101.37	2154.90	2073.87	2110.05	1.95	ppb
Zirconium	90-1	69.01	70.73	69.56	69.76	1.26	ppb
Zirconium	91-1	68.58	70.80	69.58	69.65	1.59	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 14:40:11	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25183.38	25299.14	25114.79	25199.11	0.37	ppb
Antimony	121-1	0.19	0.19	0.18	0.19	3.50	ppb
Arsenic	75-2	102.09	98.85	97.96	99.63	2.18	ppb
Barium	135-1	180.60	186.02	182.83	183.15	1.49	ppb
Barium	137-1	179.20	186.21	182.47	182.63	1.92	ppb
Beryllium	9-1	1.65	1.59	1.57	1.60	2.70	ppb
Bismuth	209-1				98		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.60	1.95	1.64	2.07	23.74	ppb
Cadmium	106-1	3.07	1.72	1.36	2.05	43.86	ppb
Cadmium	111-1	1.31	1.36	1.35	1.34	1.89	ppb
Calcium	43-1	7996.45	8094.48	7914.35	8001.76	1.13	ppb
Calcium	44-1	7743.36	7845.51	7402.86	7663.91	3.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	123.66	123.41	124.01	123.69	0.24	ppb
Cobalt	59-2	20.92	20.91	20.80	20.88	0.34	ppb
Copper	63-2	311.89	308.53	306.39	308.93	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	62010.22	61985.80	60455.74	61483.92	1.45	ppb
Iron	57-2	61474.35	61956.92	60722.28	61384.52	1.01	ppb
Iron	54-2	61694.66	62028.31	63040.12	62254.36	1.13	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 14:40:11	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	569.03	578.26	574.04	573.78	0.81	ppb
Lead	207-1	492.14	540.55	496.11	509.60	5.27	ppb
Lead	208-1	547.54	563.16	548.27	552.99	1.59	ppb
Lithium	6-1				92		%
Magnesium	24-2	11707.57	11606.16	11521.60	11611.78	0.80	ppb
Manganese	55-2	1249.44	1301.72	1289.26	1280.14	2.13	ppb
Molybdenum	94-1	30.10	29.94	30.01	30.01	0.27	ppb
Molybdenum	95-1	1.35	1.38	1.39	1.37	1.58	ppb
Molybdenum	96-1	4.74	4.67	4.61	4.67	1.39	ppb
Molybdenum	97-1	1.42	1.43	1.39	1.41	1.74	ppb
Molybdenum	98-1	1.37	1.40	1.30	1.36	3.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	69.46	70.16	69.29	69.64	0.67	ppb
Phosphorus	31-2	2229.79	2248.02	2202.07	2226.63	1.04	ppb
Potassium	39-2	4757.39	4844.55	4861.76	4821.23	1.16	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	2.45	1.91	2.07	2.14	12.85	ppb
Selenium	77-2	9.88	11.70	10.05	10.54	9.51	ppb
Selenium	78-2	3.44	3.37	4.12	3.64	11.30	ppb
Silicon	28-1	142.75	149.69	142.52	144.99	2.81	ppb
Silver	107-1	1.82	1.93	1.90	1.88	3.06	ppb
Silver	109-1	1.79	1.86	1.86	1.84	2.11	ppb
Sodium	23-2	5263.01	5253.14	5227.69	5247.94	0.35	ppb
Strontium	86-1	66.05	65.68	65.32	65.68	0.56	ppb
Strontium	88-1	66.18	66.81	66.16	66.38	0.56	ppb
Sulfur	34-1	11736.71	11971.90	11388.74	11699.12	2.51	ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	0.34	0.33	0.33	0.33	0.69	ppb
Thallium	205-1	0.35	0.34	0.33	0.34	3.20	ppb
Tin	118-1	40.27	41.21	40.84	40.77	1.16	ppb
Titanium	47-1	438.62	448.73	435.42	440.92	1.58	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 14:40:11	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.42	1.43	1.45	1.44	1.02	ppb
Vanadium	51-2	69.12	67.99	68.35	68.49	0.85	ppb
Yttrium	89-1				110		%
Yttrium	89-2				110		%
Zinc	66-2	474.37	479.68	474.90	476.32	0.61	ppb
Zirconium	90-1	16.28	16.44	16.25	16.32	0.63	ppb
Zirconium	91-1	16.33	16.82	16.11	16.42	2.21	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MS	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:43:25	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	96434.24	96935.26	97281.41	96883.64	0.44	ppb
Antimony	121-1	470.28	501.73	475.69	482.57	3.48	ppb
Arsenic	75-2	317.93	325.74	322.70	322.12	1.22	ppb
Barium	135-1	2788.45	2885.05	2806.43	2826.64	1.82	ppb
Barium	137-1	2744.60	2861.41	2801.74	2802.58	2.08	ppb
Beryllium	9-1	454.77	467.58	466.60	462.99	1.54	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	448.50	465.55	458.40	457.48	1.87	ppb
Cadmium	106-1	469.43	488.58	477.59	478.53	2.01	ppb
Cadmium	111-1	470.05	481.19	473.68	474.97	1.20	ppb
Calcium	43-1	71397.36	72846.59	71375.70	71873.22	1.17	ppb
Calcium	44-1	67238.08	70274.63	68817.84	68776.85	2.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	831.40	832.94	850.46	838.27	1.26	ppb
Cobalt	59-2	499.84	498.41	496.03	498.09	0.39	ppb
Copper	63-2	4885.66	4898.07	4835.01	4872.91	0.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				108		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	237717.09	234324.59	234156.39	235399.36	0.85	ppb
Iron	57-2	230695.04	229156.32	231320.64	230390.67	0.48	ppb
Iron	54-2	235039.62	235711.18	239396.43	236715.74	0.99	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MS	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:43:25	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4376.26	4598.37	4657.63	4544.09	3.26	ppb
Lead	207-1	4257.54	4348.40	4369.64	4325.20	1.38	ppb
Lead	208-1	4310.84	4430.64	4529.42	4423.63	2.47	ppb
Lithium	6-1				98		%
Magnesium	24-2	83873.91	85512.02	84613.51	84666.48	0.97	ppb
Manganese	55-2	8307.62	8442.24	8509.58	8419.81	1.22	ppb
Molybdenum	94-1	1803.44	1804.23	1832.70	1813.46	0.92	ppb
Molybdenum	95-1	1310.58	1308.83	1309.98	1309.80	0.07	ppb
Molybdenum	96-1	1346.88	1397.69	1394.54	1379.70	2.06	ppb
Molybdenum	97-1	1285.37	1297.99	1322.99	1302.12	1.47	ppb
Molybdenum	98-1	1264.97	1328.95	1328.99	1307.64	2.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	638.76	637.83	638.89	638.49	0.09	ppb
Phosphorus	31-2	8785.11	8739.54	8752.23	8758.96	0.27	ppb
Potassium	39-2	36267.20	36868.70	37097.29	36744.40	1.17	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				119		%
Scandium	45-2				118		%
Selenium	82-1	373.29	378.96	379.26	377.17	0.89	ppb
Selenium	77-2	422.01	411.89	437.49	423.79	3.04	ppb
Selenium	78-2	379.66	384.70	380.99	381.79	0.68	ppb
Silicon	28-1	152.05	157.04	151.31	153.47	2.03	ppb
Silver	107-1	84.25	86.46	86.30	85.67	1.44	ppb
Silver	109-1	82.26	85.52	83.19	83.66	2.01	ppb
Sodium	23-2	61394.91	62315.47	61789.35	61833.25	0.75	ppb
Strontium	86-1	626.03	640.39	643.89	636.77	1.49	ppb
Strontium	88-1	641.20	661.37	657.63	653.40	1.64	ppb
Sulfur	34-1	44913.10	46061.65	44879.83	45284.86	1.49	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	434.54	472.05	478.29	461.63	5.13	ppb
Thallium	205-1	448.58	470.23	469.44	462.75	2.65	ppb
Tin	118-1	605.64	626.96	619.06	617.22	1.75	ppb
Titanium	47-1	1385.44	1404.40	1385.89	1391.91	0.78	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MS	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:43:25	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	424.52	449.22	453.16	442.30	3.51	ppb
Vanadium	51-2	695.96	685.06	680.28	687.10	1.17	ppb
Yttrium	89-1				133		%
Yttrium	89-2				130		%
Zinc	66-2	5432.47	5571.93	5463.14	5489.18	1.34	ppb
Zirconium	90-1	406.32	412.76	418.61	412.56	1.49	ppb
Zirconium	91-1	399.18	405.77	410.69	405.21	1.43	ppb

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSD	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:46:15	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	110840.63	112981.90	114713.53	112845.35	1.72	ppb
Antimony	121-1	475.82	470.65	484.86	477.11	1.51	ppb
Arsenic	75-2	399.67	388.61	390.27	392.85	1.52	ppb
Barium	135-1	2939.75	3016.99	3017.67	2991.47	1.50	ppb
Barium	137-1	2988.05	2921.73	3031.57	2980.45	1.86	ppb
Beryllium	9-1	434.15	447.39	442.68	441.41	1.52	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	454.02	456.52	451.40	453.98	0.56	ppb
Cadmium	106-1	482.25	472.16	477.05	477.15	1.06	ppb
Cadmium	111-1	463.09	465.65	471.55	466.77	0.93	ppb
Calcium	43-1	75084.91	78811.81	76324.28	76740.33	2.47	ppb
Calcium	44-1	76054.29	80739.47	78914.47	78569.41	3.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	882.92	891.07	888.61	887.53	0.47	ppb
Cobalt	59-2	490.26	499.46	501.27	497.00	1.19	ppb
Copper	63-2	5056.46	5180.68	5260.24	5165.79	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				104		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	269208.26	272080.91	269139.31	270142.83	0.62	ppb
Iron	57-2	263957.17	264140.70	265313.61	264470.49	0.28	ppb
Iron	54-2	266200.29	272435.79	269197.86	269277.98	1.16	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSD	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:46:15	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5054.07	5270.92	5427.53	5250.84	3.57	ppb
Lead	207-1	4862.08	5098.66	5188.22	5049.65	3.34	ppb
Lead	208-1	4918.91	5155.46	5288.46	5120.94	3.66	ppb
Lithium	6-1				99		%
Magnesium	24-2	93352.19	92631.98	93377.81	93120.66	0.45	ppb
Manganese	55-2	8875.93	8764.10	8621.86	8753.96	1.45	ppb
Molybdenum	94-1	1794.92	1780.69	1769.44	1781.68	0.72	ppb
Molybdenum	95-1	1254.85	1311.39	1293.74	1286.66	2.25	ppb
Molybdenum	96-1	1322.54	1405.43	1351.95	1359.98	3.09	ppb
Molybdenum	97-1	1291.94	1324.80	1279.52	1298.76	1.80	ppb
Molybdenum	98-1	1271.04	1283.63	1272.97	1275.88	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	685.49	697.09	699.68	694.09	1.09	ppb
Phosphorus	31-2	10152.58	10436.99	10305.62	10298.39	1.38	ppb
Potassium	39-2	38692.85	39300.13	39986.32	39326.43	1.65	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				119		%
Scandium	45-2				119		%
Selenium	82-1	357.18	354.85	354.43	355.49	0.42	ppb
Selenium	77-2	410.54	402.26	389.04	400.61	2.71	ppb
Selenium	78-2	376.17	360.37	366.52	367.69	2.17	ppb
Silicon	28-1	169.18	173.74	179.87	174.26	3.08	ppb
Silver	107-1	85.54	84.76	86.16	85.49	0.82	ppb
Silver	109-1	83.93	84.04	83.80	83.93	0.14	ppb
Sodium	23-2	66876.95	67232.81	67877.02	67328.93	0.75	ppb
Strontium	86-1	670.96	673.53	670.06	671.52	0.27	ppb
Strontium	88-1	665.12	679.67	663.40	669.40	1.33	ppb
Sulfur	34-1	54276.56	57731.39	58116.37	56708.11	3.73	ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	419.08	455.95	468.28	447.77	5.72	ppb
Thallium	205-1	441.94	449.45	471.37	454.25	3.37	ppb
Tin	118-1	695.21	692.46	713.62	700.43	1.64	ppb
Titanium	47-1	1541.64	1592.23	1606.03	1579.97	2.15	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSD	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:46:15	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	409.44	429.67	440.22	426.45	3.67	ppb
Vanadium	51-2	706.40	683.49	714.47	701.45	2.29	ppb
Yttrium	89-1				136		%
Yttrium	89-2				134		%
Zinc	66-2	5523.67	5675.70	5630.93	5610.10	1.39	ppb
Zirconium	90-1	391.01	410.25	404.97	402.08	2.47	ppb
Zirconium	91-1	396.00	402.76	399.23	399.33	0.85	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05A	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:49:08	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90073.01	92040.68	90370.13	90827.94	1.17	ppb
Antimony	121-1	476.26	495.77	460.35	477.46	3.72	ppb
Arsenic	75-2	294.34	297.39	294.80	295.51	0.56	ppb
Barium	135-1	2725.89	2864.93	2718.49	2769.77	2.98	ppb
Barium	137-1	2715.90	2823.91	2693.70	2744.50	2.54	ppb
Beryllium	9-1	448.43	456.53	447.27	450.75	1.12	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	456.77	464.38	445.84	455.66	2.05	ppb
Cadmium	106-1	469.59	487.26	479.71	478.85	1.85	ppb
Cadmium	111-1	466.34	473.82	465.43	468.53	0.98	ppb
Calcium	43-1	71116.20	71475.36	72173.95	71588.50	0.75	ppb
Calcium	44-1	68299.66	69280.70	67439.17	68339.84	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	816.81	803.98	799.74	806.84	1.10	ppb
Cobalt	59-2	495.98	502.71	488.01	495.56	1.49	ppb
Copper	63-2	4857.16	4875.86	4827.88	4853.63	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				104		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	220501.81	220064.31	218675.60	219747.24	0.43	ppb
Iron	57-2	212266.43	215045.01	213607.63	213639.69	0.65	ppb
Iron	54-2	217634.40	223502.83	218828.82	219988.68	1.41	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05A	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:49:08	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4297.58	4325.32	4347.20	4323.37	0.58	ppb
Lead	207-1	4096.00	4164.03	4153.90	4137.98	0.89	ppb
Lead	208-1	4169.39	4207.07	4221.85	4199.44	0.64	ppb
Lithium	6-1				97		%
Magnesium	24-2	81510.74	82084.84	82261.14	81952.24	0.48	ppb
Manganese	55-2	8172.10	8277.64	8207.30	8219.02	0.65	ppb
Molybdenum	94-1	1843.78	1907.24	1887.47	1879.50	1.73	ppb
Molybdenum	95-1	1324.96	1348.26	1375.14	1349.46	1.86	ppb
Molybdenum	96-1	1396.01	1466.45	1466.40	1442.95	2.82	ppb
Molybdenum	97-1	1321.87	1357.67	1400.83	1360.12	2.91	ppb
Molybdenum	98-1	1339.15	1363.27	1388.22	1363.55	1.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	625.81	631.38	627.48	628.22	0.46	ppb
Phosphorus	31-2	8288.46	8199.68	8139.99	8209.38	0.91	ppb
Potassium	39-2	36666.14	36090.22	36027.18	36261.18	0.97	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				113		%
Scandium	45-2				115		%
Selenium	82-1	375.32	384.41	382.12	380.61	1.24	ppb
Selenium	77-2	381.73	420.74	427.19	409.89	6.00	ppb
Selenium	78-2	388.94	383.83	388.69	387.15	0.74	ppb
Silicon	28-1	227.70	233.91	222.35	227.99	2.54	ppb
Silver	107-1	82.43	84.94	82.58	83.32	1.69	ppb
Silver	109-1	81.22	83.20	81.39	81.94	1.34	ppb
Sodium	23-2	61593.33	60701.79	59979.34	60758.15	1.33	ppb
Strontium	86-1	618.17	626.63	634.69	626.50	1.32	ppb
Strontium	88-1	638.32	655.53	659.20	651.02	1.71	ppb
Sulfur	34-1	40263.40	41168.57	40734.30	40722.09	1.11	ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	463.92	449.63	455.85	456.47	1.57	ppb
Thallium	205-1	460.03	460.66	473.70	464.80	1.66	ppb
Tin	118-1	599.03	610.77	595.23	601.68	1.35	ppb
Titanium	47-1	1387.96	1405.52	1425.96	1406.48	1.35	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05A	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:49:08	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	437.55	427.32	436.19	433.69	1.28	ppb
Vanadium	51-2	667.55	657.26	653.13	659.31	1.13	ppb
Yttrium	89-1				128		%
Yttrium	89-2				128		%
Zinc	66-2	5455.34	5521.04	5464.97	5480.45	0.65	ppb
Zirconium	90-1	407.25	430.99	421.89	420.04	2.85	ppb
Zirconium	91-1	401.23	414.34	413.99	409.85	1.82	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:54:32	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50129.28	49687.99	49586.95	49801.41	0.58	ppb
Antimony	121-1	513.65	530.00	521.86	521.84	1.57	ppb
Arsenic	75-2	491.94	496.59	490.74	493.09	0.63	ppb
Barium	135-1	2548.55	2623.10	2584.85	2585.50	1.44	ppb
Barium	137-1	2573.79	2575.80	2558.59	2569.39	0.37	ppb
Beryllium	9-1	506.99	515.22	509.73	510.65	0.82	ppb
Bismuth	209-1				94		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	493.70	501.24	505.40	500.11	1.19	ppb
Cadmium	106-1	498.79	512.87	508.69	506.78	1.43	ppb
Cadmium	111-1	492.52	511.02	508.57	504.04	1.99	ppb
Calcium	43-1	257186.22	259081.75	262363.42	259543.80	1.01	ppb
Calcium	44-1	261217.30	247581.24	258188.69	255662.41	2.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	500.95	501.29	479.29	493.84	2.55	ppb
Cobalt	59-2	497.49	505.14	486.68	496.44	1.87	ppb
Copper	63-2	5083.12	4936.49	4801.66	4940.42	2.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	133278.56	133508.36	132197.22	132994.71	0.53	ppb
Iron	57-2	133026.71	130182.49	126533.58	129914.26	2.51	ppb
Iron	54-2	134439.52	131688.21	130183.09	132103.61	1.63	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:54:32	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2580.32	2568.11	2648.74	2599.06	1.67	ppb
Lead	207-1	2520.90	2511.28	2583.11	2538.43	1.54	ppb
Lead	208-1	2568.89	2558.42	2581.46	2569.59	0.45	ppb
Lithium	6-1				90		%
Magnesium	24-2	255951.18	252775.14	253150.90	253959.07	0.68	ppb
Manganese	55-2	5236.57	5106.71	4983.17	5108.81	2.48	ppb
Molybdenum	94-1	5076.92	5147.08	5019.56	5081.19	1.26	ppb
Molybdenum	95-1	5134.56	5055.53	4954.54	5048.21	1.79	ppb
Molybdenum	96-1	5143.08	5217.87	5014.45	5125.13	2.01	ppb
Molybdenum	97-1	5087.66	5074.28	5020.67	5060.87	0.70	ppb
Molybdenum	98-1	5053.27	5080.07	4993.82	5042.39	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	485.84	486.40	478.29	483.51	0.94	ppb
Phosphorus	31-2	10185.94	10162.29	10071.14	10139.79	0.60	ppb
Potassium	39-2	126728.39	126351.58	125772.94	126284.30	0.38	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	478.34	489.62	473.14	480.37	1.75	ppb
Selenium	77-2	476.55	474.24	476.62	475.80	0.29	ppb
Selenium	78-2	474.46	489.01	465.61	476.36	2.48	ppb
Silicon	28-1	539.67	530.80	528.94	533.14	1.08	ppb
Silver	107-1	510.74	529.47	525.69	521.97	1.90	ppb
Silver	109-1	523.61	522.60	521.51	522.57	0.20	ppb
Sodium	23-2	254010.13	250566.29	247932.70	250836.37	1.22	ppb
Strontium	86-1	499.57	508.85	495.88	501.44	1.33	ppb
Strontium	88-1	523.34	518.15	510.83	517.44	1.22	ppb
Sulfur	34-1	9799.12	9413.07	9878.43	9696.88	2.57	ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	533.94	516.81	524.31	525.02	1.64	ppb
Thallium	205-1	528.75	532.70	511.79	524.41	2.12	ppb
Tin	118-1	524.46	530.25	525.77	526.83	0.58	ppb
Titanium	47-1	5149.55	5187.37	5250.56	5195.83	0.98	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:54:32	DataFile Name :	058CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	512.60	505.10	501.22	506.31	1.14	ppb
Vanadium	51-2	512.74	508.82	501.24	507.60	1.15	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	4821.12	4833.69	4744.45	4799.75	1.01	ppb
Zirconium	90-1	502.38	514.06	500.56	505.66	1.45	ppb
Zirconium	91-1	497.79	505.36	498.52	500.56	0.83	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:05:21	DataFile Name :	059CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.13	-0.23	-0.30	-0.22		ppb
Antimony	121-1	0.04	0.04	0.04	0.04	6.19	ppb
Arsenic	75-2	-0.03	0.00	-0.03	-0.02		ppb
Barium	135-1	-0.01	-0.01	0.00	-0.01		ppb
Barium	137-1	-0.01	-0.01	0.01	0.00		ppb
Beryllium	9-1	0.01	0.04	0.00	0.02	121.47	ppb
Bismuth	209-1				97		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.13	-0.09	-0.09		ppb
Cadmium	106-1	-2.64	-2.96	-1.70	-2.43		ppb
Cadmium	111-1	-0.16	-0.19	-0.10	-0.15		ppb
Calcium	43-1	4.21	0.51	4.00	2.91	71.57	ppb
Calcium	44-1	4.06	4.36	5.38	4.60	15.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.01	-0.01	-0.02		ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.01		ppb
Copper	63-2	0.12	0.11	0.10	0.11	9.58	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				100		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	2.65	2.88	3.14	2.89	8.38	ppb
Iron	57-2	5.57	2.82	4.96	4.45	32.51	ppb
Iron	54-2	2.40	3.01	3.07	2.83	13.07	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:05:21	DataFile Name :	059CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.06	0.03	0.04	31.06	ppb
Lead	207-1	0.07	0.05	0.06	0.06	15.14	ppb
Lead	208-1	0.05	0.06	0.05	0.05	8.14	ppb
Lithium	6-1				89		%
Magnesium	24-2	0.56	0.68	0.85	0.70	21.31	ppb
Manganese	55-2	0.05	0.03	0.04	0.04	18.23	ppb
Molybdenum	94-1	0.05	0.04	0.05	0.05	8.96	ppb
Molybdenum	95-1	0.04	0.04	0.03	0.04	20.89	ppb
Molybdenum	96-1	0.02	0.00	0.00	0.01	162.61	ppb
Molybdenum	97-1	0.01	-0.01	0.02	0.01	172.13	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	46.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.17	-0.16	-0.16	-0.16		ppb
Phosphorus	31-2	-39.72	-32.34	-39.99	-37.35		ppb
Potassium	39-2	21.93	22.84	24.38	23.05	5.36	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	-0.78	-0.35	-0.14	-0.42		ppb
Selenium	77-2	-0.16	0.08	-0.16	-0.08		ppb
Selenium	78-2	-0.55	-0.68	0.24	-0.33		ppb
Silicon	28-1	-0.20	-0.12	0.05	-0.09		ppb
Silver	107-1	0.00	0.00	0.00	0.00	32.82	ppb
Silver	109-1	0.00	0.00	0.00	0.00	110.95	ppb
Sodium	23-2	43.37	44.13	44.93	44.14	1.77	ppb
Strontium	86-1	0.07	0.01	0.02	0.04	83.26	ppb
Strontium	88-1	0.01	0.01	0.00	0.01	58.09	ppb
Sulfur	34-1	109.13	100.83	306.50	172.15	67.63	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.05	0.03	0.05	0.04	22.43	ppb
Thallium	205-1	0.05	0.04	0.05	0.05	7.28	ppb
Tin	118-1	0.08	0.04	0.07	0.06	29.74	ppb
Titanium	47-1	-0.01	0.01	0.04	0.02	142.15	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:05:21	DataFile Name :	059CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	263.52	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	0.46	0.48	0.26	0.40	30.12	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	15.61	ppb
Zirconium	91-1	0.02	0.01	0.02	0.01	26.04	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BL	Instrumnet Name :	P7
Client Sample ID :	PB170139BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:14:30	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	-0.12	-0.31	-0.15		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	31.89	ppb
Arsenic	75-2	0.00	-0.01	-0.02	-0.01		ppb
Barium	135-1	-0.01	-0.02	-0.02	-0.02		ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	-0.01	-0.01	-0.01	-0.01		ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.02	-0.13	-0.02	-0.06		ppb
Cadmium	106-1	-2.82	-3.96	-3.05	-3.28		ppb
Cadmium	111-1	-0.21	-0.27	-0.20	-0.23		ppb
Calcium	43-1	0.11	1.59	-3.44	-0.58		ppb
Calcium	44-1	14.68	12.32	17.46	14.82	17.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.06	0.01	-0.01	-0.02		ppb
Cobalt	59-2	-0.02	-0.01	-0.02	-0.02		ppb
Copper	63-2	-0.01	-0.01	0.05	0.01	278.55	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				96		%
Holmium	165-2				97		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	0.65	0.78	0.64	0.69	11.42	ppb
Iron	57-2	2.47	4.78	3.02	3.42	35.26	ppb
Iron	54-2	0.74	1.40	-0.01	0.71	99.88	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BL	Instrumnet Name :	P7
Client Sample ID :	PB170139BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:14:30	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.03	0.03	0.03	36.11	ppb
Lead	207-1	0.04	0.04	0.03	0.04	15.20	ppb
Lead	208-1	0.03	0.03	0.03	0.03	3.16	ppb
Lithium	6-1				87		%
Magnesium	24-2	0.08	-0.06	0.04	0.02	364.53	ppb
Manganese	55-2	-0.01	0.00	0.01	0.00		ppb
Molybdenum	94-1	0.03	0.00	-0.02	0.00	749.57	ppb
Molybdenum	95-1	0.02	0.02	0.03	0.02	31.60	ppb
Molybdenum	96-1	0.00	-0.02	0.00	-0.01		ppb
Molybdenum	97-1	-0.02	0.00	-0.01	-0.01		ppb
Molybdenum	98-1	0.00	0.01	-0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.19	-0.06	-0.11		ppb
Phosphorus	31-2	-38.90	-37.46	-34.50	-36.95		ppb
Potassium	39-2	28.13	27.50	25.94	27.19	4.14	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	82-1	-0.29	-0.56	-0.60	-0.48		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	0.92	-0.05	-1.52	-0.22		ppb
Silicon	28-1	0.42	0.77	0.81	0.67	31.87	ppb
Silver	107-1	0.00	0.00	-0.01	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	37.05	37.81	38.13	37.66	1.47	ppb
Strontium	86-1	0.01	0.04	0.04	0.03	48.96	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	25.40	ppb
Sulfur	34-1	92.86	268.06	213.58	191.50	46.82	ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	0.02	0.03	0.01	0.02	51.98	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	10.27	ppb
Tin	118-1	0.02	0.02	0.01	0.02	50.96	ppb
Titanium	47-1	0.05	0.03	-0.02	0.02	196.67	ppb

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BL	Instrumnet Name :	P7
Client Sample ID :	PB170139BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:14:30	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.02	-0.01		ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	605.00	ppb
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	-0.11	0.15	-0.04	0.00		ppb
Zirconium	90-1	0.01	0.02	0.01	0.01	49.57	ppb
Zirconium	91-1	0.00	0.01	0.01	0.01	88.28	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BS	Instrumnet Name :	P7
Client Sample ID :	PB170139BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:17:52	DataFile Name :	061LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10962.13	10625.83	10734.02	10773.99	1.59	ppb
Antimony	121-1	516.42	547.82	515.53	526.59	3.49	ppb
Arsenic	75-2	511.97	515.81	502.04	509.94	1.39	ppb
Barium	135-1	2583.51	2643.55	2621.87	2616.31	1.16	ppb
Barium	137-1	2534.65	2685.48	2587.44	2602.52	2.94	ppb
Beryllium	9-1	524.72	523.68	524.63	524.34	0.11	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	516.08	527.55	510.66	518.10	1.66	ppb
Cadmium	106-1	519.52	547.10	511.73	526.12	3.53	ppb
Cadmium	111-1	517.30	538.72	519.30	525.11	2.25	ppb
Calcium	43-1	55600.86	54299.19	54616.23	54838.76	1.24	ppb
Calcium	44-1	53560.39	53309.93	53858.40	53576.24	0.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	548.88	552.10	556.86	552.61	0.73	ppb
Cobalt	59-2	520.74	531.61	515.37	522.57	1.58	ppb
Copper	63-2	5313.40	5344.36	5319.77	5325.84	0.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	28063.40	29285.17	28510.25	28619.61	2.16	ppb
Iron	57-2	28110.84	28583.08	28250.68	28314.87	0.86	ppb
Iron	54-2	28371.72	28794.45	28291.32	28485.83	0.95	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BS	Instrumnet Name :	P7
Client Sample ID :	PB170139BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:17:52	DataFile Name :	061LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2571.12	2618.13	2638.38	2609.21	1.32	ppb
Lead	207-1	2569.02	2464.37	2553.52	2528.97	2.23	ppb
Lead	208-1	2573.47	2567.10	2587.87	2576.15	0.41	ppb
Lithium	6-1				89		%
Magnesium	24-2	52653.79	51759.66	52669.50	52360.98	0.99	ppb
Manganese	55-2	5306.14	5292.94	5258.65	5285.91	0.46	ppb
Molybdenum	94-1	5058.50	5149.70	5061.95	5090.05	1.02	ppb
Molybdenum	95-1	5100.36	5247.18	5052.01	5133.18	1.98	ppb
Molybdenum	96-1	5133.99	5211.90	5048.68	5131.52	1.59	ppb
Molybdenum	97-1	5165.95	5256.80	4999.81	5140.85	2.53	ppb
Molybdenum	98-1	5121.69	5229.48	5003.43	5118.20	2.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	540.37	545.13	539.24	541.58	0.58	ppb
Phosphorus	31-2	10291.44	10505.24	10306.19	10367.62	1.15	ppb
Potassium	39-2	26495.44	26656.39	26190.70	26447.51	0.89	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	527.71	524.42	525.76	525.97	0.31	ppb
Selenium	77-2	538.10	520.29	509.22	522.54	2.79	ppb
Selenium	78-2	518.35	525.44	512.50	518.76	1.25	ppb
Silicon	28-1	531.72	515.10	521.37	522.73	1.61	ppb
Silver	107-1	536.56	550.20	528.23	538.33	2.06	ppb
Silver	109-1	528.34	541.19	530.93	533.48	1.27	ppb
Sodium	23-2	54416.64	53393.74	53408.30	53739.56	1.09	ppb
Strontium	86-1	503.08	507.96	494.49	501.84	1.36	ppb
Strontium	88-1	530.37	516.42	519.74	522.17	1.40	ppb
Sulfur	34-1	10517.56	9749.15	9831.98	10032.90	4.20	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	515.78	511.26	531.88	519.64	2.09	ppb
Thallium	205-1	514.72	528.53	534.46	525.90	1.93	ppb
Tin	118-1	527.43	542.50	530.94	533.62	1.48	ppb
Titanium	47-1	5177.28	5089.60	5101.81	5122.89	0.93	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BS	Instrumnet Name :	P7
Client Sample ID :	PB170139BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:17:52	DataFile Name :	061LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	477.83	493.98	502.78	491.53	2.57	ppb
Vanadium	51-2	519.71	519.67	515.31	518.23	0.49	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	5411.40	5342.23	5330.68	5361.44	0.81	ppb
Zirconium	90-1	510.24	507.12	507.64	508.33	0.33	ppb
Zirconium	91-1	510.23	508.99	500.78	506.67	1.01	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BL	Instrumnet Name :	P7
Client Sample ID :	PB170158BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:20:47	DataFile Name :	062CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.14	0.15	0.19	0.16	17.06	ppb
Antimony	121-1	0.14	0.17	0.16	0.16	10.15	ppb
Arsenic	75-2	0.01	0.01	0.00	0.01	148.02	ppb
Barium	135-1	0.02	-0.01	-0.01	0.00	484.83	ppb
Barium	137-1	0.02	-0.01	0.01	0.01	185.78	ppb
Beryllium	9-1	-0.01	0.00	-0.01	-0.01		ppb
Bismuth	209-1				99		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.09	-0.09	-0.08		ppb
Cadmium	106-1	-2.91	-1.35	-1.30	-1.85		ppb
Cadmium	111-1	-0.17	-0.08	-0.04	-0.10		ppb
Calcium	43-1	2.66	-1.24	-1.74	-0.11		ppb
Calcium	44-1	11.79	14.43	12.86	13.03	10.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	0.03	0.00		ppb
Cobalt	59-2	-0.01	0.00	-0.02	-0.01		ppb
Copper	63-2	0.15	0.14	0.15	0.15	5.73	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				99		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	56-2	1.98	1.98	2.16	2.04	5.11	ppb
Iron	57-2	4.18	1.12	2.98	2.76	55.79	ppb
Iron	54-2	1.40	1.95	2.82	2.05	34.79	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BL	Instrumnet Name :	P7
Client Sample ID :	PB170158BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:20:47	DataFile Name :	062CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.02	0.03	0.04	67.19	ppb
Lead	207-1	0.06	0.06	0.07	0.06	7.43	ppb
Lead	208-1	0.06	0.04	0.04	0.05	22.13	ppb
Lithium	6-1				89		%
Magnesium	24-2	0.16	0.05	-0.02	0.07	139.46	ppb
Manganese	55-2	-0.01	0.07	0.01	0.03	159.06	ppb
Molybdenum	94-1	0.18	0.17	0.14	0.16	13.82	ppb
Molybdenum	95-1	0.17	0.17	0.15	0.16	6.64	ppb
Molybdenum	96-1	0.15	0.12	0.12	0.13	13.19	ppb
Molybdenum	97-1	0.16	0.16	0.10	0.14	22.56	ppb
Molybdenum	98-1	0.17	0.15	0.14	0.15	8.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.21	-0.12	-0.14	-0.16		ppb
Phosphorus	31-2	-39.90	-41.00	-39.10	-40.00		ppb
Potassium	39-2	21.96	18.25	19.72	19.98	9.34	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	82-1	-0.35	-0.45	-0.67	-0.49		ppb
Selenium	77-2	0.08	-0.16	-0.16	-0.08		ppb
Selenium	78-2	-0.02	0.40	0.21	0.20	106.96	ppb
Silicon	28-1	0.41	0.46	1.04	0.64	55.12	ppb
Silver	107-1	0.05	0.03	0.04	0.04	18.08	ppb
Silver	109-1	0.03	0.04	0.02	0.03	23.53	ppb
Sodium	23-2	41.04	37.38	38.52	38.98	4.80	ppb
Strontium	86-1	0.04	0.06	-0.03	0.03	173.40	ppb
Strontium	88-1	0.01	0.01	0.00	0.01	23.85	ppb
Sulfur	34-1	-404.08	-355.65	-188.95	-316.23		ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.04	0.05	0.05	0.05	14.03	ppb
Thallium	205-1	0.04	0.03	0.05	0.04	25.69	ppb
Tin	118-1	0.06	0.09	0.07	0.08	22.09	ppb
Titanium	47-1	0.04	0.00	0.07	0.04	92.65	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BL	Instrumnet Name :	P7
Client Sample ID :	PB170158BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:20:47	DataFile Name :	062CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	-0.01	0.00	-0.01	-0.01		ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	0.30	0.56	0.30	0.39	38.72	ppb
Zirconium	90-1	0.03	0.04	0.03	0.03	5.77	ppb
Zirconium	91-1	0.03	0.00	0.03	0.02	84.75	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BS	Instrumnet Name :	P7
Client Sample ID :	PB170158BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:24:11	DataFile Name :	063LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10657.60	10864.61	10387.84	10636.68	2.25	ppb
Antimony	121-1	523.17	532.03	512.53	522.57	1.87	ppb
Arsenic	75-2	512.49	505.32	500.11	505.97	1.23	ppb
Barium	135-1	2609.16	2550.91	2634.07	2598.04	1.64	ppb
Barium	137-1	2533.81	2548.15	2564.76	2548.91	0.61	ppb
Beryllium	9-1	511.36	514.22	516.75	514.11	0.52	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	512.14	512.66	512.52	512.44	0.05	ppb
Cadmium	106-1	519.42	509.09	512.21	513.57	1.03	ppb
Cadmium	111-1	516.65	519.37	518.76	518.26	0.28	ppb
Calcium	43-1	52493.44	55285.51	53778.02	53852.32	2.60	ppb
Calcium	44-1	50721.81	52434.63	53416.18	52190.88	2.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	587.28	591.58	587.16	588.67	0.43	ppb
Cobalt	59-2	526.23	517.36	501.54	515.04	2.43	ppb
Copper	63-2	5207.02	5252.88	5272.35	5244.08	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	56-2	28206.19	28135.81	27780.27	28040.76	0.81	ppb
Iron	57-2	27804.72	28104.01	28134.26	28014.33	0.65	ppb
Iron	54-2	28454.50	28723.35	28435.89	28537.92	0.56	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BS	Instrumnet Name :	P7
Client Sample ID :	PB170158BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:24:11	DataFile Name :	063LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2543.11	2596.06	2610.30	2583.16	1.37	ppb
Lead	207-1	2468.34	2565.01	2562.34	2531.90	2.17	ppb
Lead	208-1	2501.07	2566.52	2579.99	2549.19	1.66	ppb
Lithium	6-1				92		%
Magnesium	24-2	52835.91	52732.78	51852.25	52473.65	1.03	ppb
Manganese	55-2	5196.89	5113.06	5121.01	5143.65	0.90	ppb
Molybdenum	94-1	4927.44	5032.27	4903.96	4954.56	1.38	ppb
Molybdenum	95-1	4854.08	4997.44	5096.76	4982.76	2.45	ppb
Molybdenum	96-1	4971.76	4902.15	5061.10	4978.34	1.60	ppb
Molybdenum	97-1	4927.27	5111.52	4924.66	4987.82	2.15	ppb
Molybdenum	98-1	4891.01	5172.57	4917.10	4993.56	3.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	560.69	560.51	561.37	560.86	0.08	ppb
Phosphorus	31-2	10117.11	10329.03	9986.47	10144.20	1.70	ppb
Potassium	39-2	25840.05	25678.48	26659.54	26059.36	2.02	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				96		%
Selenium	82-1	505.71	516.08	516.54	512.78	1.19	ppb
Selenium	77-2	526.21	508.48	488.46	507.71	3.72	ppb
Selenium	78-2	521.38	506.81	511.93	513.38	1.44	ppb
Silicon	28-1	504.54	537.58	526.99	523.04	3.23	ppb
Silver	107-1	415.91	430.42	416.52	420.95	1.95	ppb
Silver	109-1	413.13	414.82	416.90	414.95	0.45	ppb
Sodium	23-2	53470.46	53573.02	51234.03	52759.17	2.51	ppb
Strontium	86-1	485.49	492.31	490.76	489.52	0.73	ppb
Strontium	88-1	497.73	497.38	506.56	500.56	1.04	ppb
Sulfur	34-1	9233.49	9953.52	9450.96	9545.99	3.87	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	506.49	512.77	520.63	513.29	1.38	ppb
Thallium	205-1	502.25	522.05	520.49	514.93	2.14	ppb
Tin	118-1	511.42	534.44	517.57	521.14	2.29	ppb
Titanium	47-1	4946.89	5157.11	5067.81	5057.27	2.09	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BS	Instrumnet Name :	P7
Client Sample ID :	PB170158BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:24:11	DataFile Name :	063LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	485.12	482.90	484.73	484.25	0.24	ppb
Vanadium	51-2	513.26	512.18	512.06	512.50	0.13	ppb
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	5293.91	5311.69	5333.83	5313.14	0.38	ppb
Zirconium	90-1	492.34	511.35	501.88	501.86	1.89	ppb
Zirconium	91-1	487.20	496.21	490.65	491.35	0.93	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BL	Instrumnet Name :	P7
Client Sample ID :	PB170186BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:27:02	DataFile Name :	064CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.19	0.27	-0.61	-0.05		ppb
Antimony	121-1	0.13	0.16	0.17	0.15	15.16	ppb
Arsenic	75-2	-0.01	-0.02	-0.01	-0.02		ppb
Barium	135-1	0.00	-0.02	-0.01	-0.01		ppb
Barium	137-1	0.01	0.00	0.00	0.01	52.24	ppb
Beryllium	9-1	0.02	0.01	0.01	0.02	40.15	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.02	-0.02	0.00	746.24	ppb
Cadmium	106-1	-0.77	-1.49	-2.88	-1.71		ppb
Cadmium	111-1	-0.05	-0.09	-0.20	-0.11		ppb
Calcium	43-1	-5.40	-1.83	-1.82	-3.02		ppb
Calcium	44-1	9.32	9.37	11.70	10.13	13.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	-0.01	-0.01	0.01	505.86	ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.21	0.12	0.16	0.17	25.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	1.57	1.58	1.51	1.55	2.45	ppb
Iron	57-2	0.62	0.80	1.72	1.05	56.25	ppb
Iron	54-2	1.25	2.33	1.96	1.84	29.91	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BL	Instrumnet Name :	P7
Client Sample ID :	PB170186BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:27:02	DataFile Name :	064CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.05	0.03	0.05	32.41	ppb
Lead	207-1	0.07	0.06	0.04	0.06	28.43	ppb
Lead	208-1	0.07	0.05	0.05	0.06	15.22	ppb
Lithium	6-1				90		%
Magnesium	24-2	-0.11	-0.01	0.18	0.02	738.13	ppb
Manganese	55-2	-0.01	-0.04	-0.01	-0.02		ppb
Molybdenum	94-1	0.17	0.19	0.14	0.17	15.98	ppb
Molybdenum	95-1	0.15	0.14	0.16	0.15	3.90	ppb
Molybdenum	96-1	0.16	0.14	0.13	0.14	10.14	ppb
Molybdenum	97-1	0.19	0.10	0.11	0.13	35.13	ppb
Molybdenum	98-1	0.15	0.12	0.14	0.13	13.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.15	-0.11	-0.12	-0.13		ppb
Phosphorus	31-2	-45.63	-46.68	-45.63	-45.98		ppb
Potassium	39-2	19.19	21.65	22.92	21.25	8.94	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	82-1	-0.18	-0.70	0.03	-0.28		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	-0.41	-0.98	-0.67	-0.69		ppb
Silicon	28-1	0.57	0.26	0.48	0.44	36.66	ppb
Silver	107-1	0.04	0.03	0.02	0.03	25.58	ppb
Silver	109-1	0.04	0.03	0.02	0.03	41.25	ppb
Sodium	23-2	40.36	38.18	39.56	39.37	2.79	ppb
Strontium	86-1	0.05	0.02	0.02	0.03	60.87	ppb
Strontium	88-1	0.00	0.00	0.01	0.00	24.42	ppb
Sulfur	34-1	-411.77	-445.00	-360.45	-405.74		ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	0.04	0.04	0.04	0.04	10.93	ppb
Thallium	205-1	0.04	0.04	0.03	0.04	11.05	ppb
Tin	118-1	0.03	0.05	0.08	0.06	43.98	ppb
Titanium	47-1	0.04	0.06	0.04	0.05	26.04	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BL	Instrumnet Name :	P7
Client Sample ID :	PB170186BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:27:02	DataFile Name :	064CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.01	0.00	0.00	440.41	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	0.18	0.10	0.28	0.19	48.74	ppb
Zirconium	90-1	0.02	0.02	0.04	0.03	29.52	ppb
Zirconium	91-1	0.01	0.02	0.02	0.02	30.74	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BS	Instrumnet Name :	P7
Client Sample ID :	PB170186BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:30:27	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10636.81	10788.99	10683.93	10703.24	0.73	ppb
Antimony	121-1	526.61	533.20	523.19	527.67	0.96	ppb
Arsenic	75-2	509.02	518.30	508.96	512.09	1.05	ppb
Barium	135-1	2574.98	2699.57	2613.29	2629.28	2.43	ppb
Barium	137-1	2558.23	2648.77	2635.57	2614.19	1.87	ppb
Beryllium	9-1	518.73	524.76	529.63	524.38	1.04	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	513.18	533.65	520.80	522.54	1.98	ppb
Cadmium	106-1	512.62	533.09	525.99	523.90	1.98	ppb
Cadmium	111-1	525.36	533.01	527.89	528.75	0.74	ppb
Calcium	43-1	55363.37	56130.04	55778.32	55757.24	0.69	ppb
Calcium	44-1	52462.59	53596.34	54993.09	53684.01	2.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	558.20	545.99	556.23	553.47	1.18	ppb
Cobalt	59-2	528.16	517.86	526.86	524.29	1.07	ppb
Copper	63-2	5299.25	5234.60	5406.68	5313.51	1.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	56-2	28785.20	28601.40	28717.83	28701.48	0.32	ppb
Iron	57-2	28261.80	27684.01	27991.53	27979.11	1.03	ppb
Iron	54-2	28644.37	28241.52	28624.97	28503.62	0.80	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BS	Instrumnet Name :	P7
Client Sample ID :	PB170186BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:30:27	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2558.01	2573.14	2708.26	2613.14	3.17	ppb
Lead	207-1	2548.40	2538.35	2650.36	2579.04	2.40	ppb
Lead	208-1	2564.50	2573.48	2658.17	2598.72	1.99	ppb
Lithium	6-1				91		%
Magnesium	24-2	53131.10	52763.88	52200.97	52698.65	0.89	ppb
Manganese	55-2	5286.45	5291.20	5316.76	5298.14	0.31	ppb
Molybdenum	94-1	5030.14	5168.25	5370.92	5189.77	3.30	ppb
Molybdenum	95-1	5087.14	5167.68	5296.62	5183.82	2.04	ppb
Molybdenum	96-1	4984.54	5272.23	5290.90	5182.56	3.31	ppb
Molybdenum	97-1	5091.45	5185.48	5214.14	5163.69	1.24	ppb
Molybdenum	98-1	5040.90	5235.59	5292.28	5189.59	2.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	545.66	541.34	551.98	546.33	0.98	ppb
Phosphorus	31-2	10402.07	10138.58	10307.63	10282.76	1.30	ppb
Potassium	39-2	26949.74	26308.55	26752.22	26670.17	1.23	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	507.58	530.11	538.53	525.41	3.05	ppb
Selenium	77-2	527.04	527.67	527.22	527.31	0.06	ppb
Selenium	78-2	517.12	520.07	520.81	519.33	0.38	ppb
Silicon	28-1	529.80	531.37	528.18	529.78	0.30	ppb
Silver	107-1	493.91	504.53	493.40	497.28	1.26	ppb
Silver	109-1	473.84	520.64	477.88	490.78	5.28	ppb
Sodium	23-2	53884.41	53923.39	53212.62	53673.47	0.74	ppb
Strontium	86-1	494.09	507.58	523.11	508.26	2.86	ppb
Strontium	88-1	508.22	523.05	538.44	523.24	2.89	ppb
Sulfur	34-1	9845.00	10193.77	9678.88	9905.88	2.65	ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	509.93	520.42	539.91	523.42	2.91	ppb
Thallium	205-1	524.92	524.46	535.45	528.28	1.18	ppb
Tin	118-1	527.75	544.79	552.86	541.80	2.37	ppb
Titanium	47-1	5190.39	5424.60	5206.29	5273.76	2.48	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BS	Instrumnet Name :	P7
Client Sample ID :	PB170186BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:30:27	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	490.63	483.34	504.30	492.75	2.16	ppb
Vanadium	51-2	522.01	515.00	524.32	520.44	0.93	ppb
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	5383.72	5320.75	5482.87	5395.78	1.51	ppb
Zirconium	90-1	505.17	524.55	534.01	521.24	2.82	ppb
Zirconium	91-1	492.73	510.41	523.52	508.88	3.04	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-074099-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:33:19	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	58387.60	56917.36	57728.17	57677.71	1.28	ppb
Antimony	121-1	0.47	0.51	0.51	0.50	5.09	ppb
Arsenic	75-2	159.30	153.19	161.99	158.16	2.85	ppb
Barium	135-1	393.97	406.65	405.67	402.10	1.76	ppb
Barium	137-1	392.92	401.48	405.47	399.96	1.60	ppb
Beryllium	9-1	4.08	3.94	3.85	3.96	2.85	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.22	4.79	4.72	4.91	5.48	ppb
Cadmium	106-1	5.43	6.24	6.29	5.99	8.07	ppb
Cadmium	111-1	2.47	2.65	2.74	2.62	5.36	ppb
Calcium	43-1	22425.06	22506.63	23208.55	22713.41	1.90	ppb
Calcium	44-1	21967.83	21583.38	22294.07	21948.43	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	259.58	258.02	261.48	259.70	0.67	ppb
Cobalt	59-2	57.91	57.10	58.89	57.96	1.55	ppb
Copper	63-2	552.46	559.47	557.65	556.52	0.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				105		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	158261.90	156080.61	157318.29	157220.26	0.70	ppb
Iron	57-2	157407.63	154332.68	155755.79	155832.04	0.99	ppb
Iron	54-2	160762.06	158096.80	156253.77	158370.88	1.43	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-074099-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:33:19	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1226.02	1199.01	1191.58	1205.54	1.50	ppb
Lead	207-1	1125.09	1099.93	1086.84	1103.95	1.76	ppb
Lead	208-1	1176.45	1141.77	1140.67	1152.96	1.76	ppb
Lithium	6-1				94		%
Magnesium	24-2	27948.43	28508.32	28133.74	28196.83	1.01	ppb
Manganese	55-2	2847.27	2790.40	2842.38	2826.68	1.12	ppb
Molybdenum	94-1	66.20	65.72	67.03	66.32	1.00	ppb
Molybdenum	95-1	4.15	4.04	4.13	4.11	1.41	ppb
Molybdenum	96-1	11.55	11.20	11.41	11.39	1.55	ppb
Molybdenum	97-1	4.20	3.98	4.08	4.09	2.77	ppb
Molybdenum	98-1	4.08	3.98	4.13	4.06	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	146.93	144.60	146.57	146.03	0.86	ppb
Phosphorus	31-2	4582.73	4470.40	4675.31	4576.14	2.24	ppb
Potassium	39-2	10815.92	10659.42	11023.94	10833.09	1.69	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				106		%
Selenium	82-1	3.08	3.56	4.88	3.84	24.19	ppb
Selenium	77-2	28.67	25.66	28.29	27.54	5.95	ppb
Selenium	78-2	7.85	6.61	7.11	7.19	8.71	ppb
Silicon	28-1	110.07	111.08	127.08	116.08	8.22	ppb
Silver	107-1	3.18	3.38	3.42	3.33	3.86	ppb
Silver	109-1	3.23	3.28	3.34	3.28	1.60	ppb
Sodium	23-2	4624.67	4616.92	4612.77	4618.12	0.13	ppb
Strontium	86-1	126.83	125.36	126.19	126.13	0.58	ppb
Strontium	88-1	131.66	130.14	131.68	131.16	0.67	ppb
Sulfur	34-1	29348.75	28683.08	29795.95	29275.93	1.91	ppb
Terbium	159-1				100		%
Terbium	159-2				104		%
Thallium	203-1	1.01	0.88	0.92	0.94	6.96	ppb
Thallium	205-1	0.95	0.96	0.93	0.95	1.68	ppb
Tin	118-1	98.38	100.65	102.30	100.44	1.96	ppb
Titanium	47-1	1083.78	1071.81	1102.84	1086.15	1.44	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-074099-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:33:19	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.40	5.13	5.12	5.22	2.99	ppb
Vanadium	51-2	168.34	166.07	168.96	167.79	0.91	ppb
Yttrium	89-1				115		%
Yttrium	89-2				116		%
Zinc	66-2	968.89	954.42	971.54	964.95	0.95	ppb
Zirconium	90-1	35.16	34.65	35.64	35.15	1.42	ppb
Zirconium	91-1	35.56	35.16	35.68	35.47	0.77	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S04-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:36:30	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35146.86	35268.06	35071.75	35162.22	0.28	ppb
Antimony	121-1	0.76	0.73	0.76	0.75	2.47	ppb
Arsenic	75-2	59.73	62.41	62.29	61.48	2.47	ppb
Barium	135-1	281.18	280.91	276.26	279.45	0.99	ppb
Barium	137-1	280.36	280.05	275.82	278.74	0.91	ppb
Beryllium	9-1	4.64	4.71	5.17	4.84	5.92	ppb
Bismuth	209-1				95		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.69	6.80	7.45	7.31	6.29	ppb
Cadmium	106-1	8.32	7.82	8.78	8.31	5.80	ppb
Cadmium	111-1	5.36	5.48	5.06	5.30	4.14	ppb
Calcium	43-1	66595.12	69436.86	69336.72	68456.23	2.36	ppb
Calcium	44-1	65206.00	67372.04	65704.10	66094.05	1.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	263.70	269.28	267.89	266.96	1.09	ppb
Cobalt	59-2	52.29	53.21	53.63	53.04	1.30	ppb
Copper	63-2	557.92	556.92	540.31	551.72	1.79	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				97		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	108824.29	111012.02	108809.53	109548.61	1.16	ppb
Iron	57-2	107826.15	106545.21	109861.62	108077.66	1.55	ppb
Iron	54-2	110937.07	111339.91	109477.67	110584.88	0.89	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S04-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:36:30	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1141.18	1163.36	1151.32	1151.96	0.96	ppb
Lead	207-1	1066.70	1080.36	1079.91	1075.66	0.72	ppb
Lead	208-1	1092.62	1112.65	1100.52	1101.93	0.92	ppb
Lithium	6-1				90		%
Magnesium	24-2	35859.09	35941.63	35885.61	35895.44	0.12	ppb
Manganese	55-2	2179.77	2225.30	2207.19	2204.09	1.04	ppb
Molybdenum	94-1	60.95	61.82	60.88	61.22	0.85	ppb
Molybdenum	95-1	12.68	12.74	12.86	12.76	0.70	ppb
Molybdenum	96-1	18.37	18.23	18.63	18.41	1.10	ppb
Molybdenum	97-1	12.72	12.93	12.57	12.74	1.42	ppb
Molybdenum	98-1	12.60	12.89	12.68	12.72	1.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	342.98	346.44	347.62	345.68	0.70	ppb
Phosphorus	31-2	2115.82	2081.81	2128.89	2108.84	1.15	ppb
Potassium	39-2	6786.88	6975.67	6856.02	6872.86	1.39	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	3.08	3.07	3.19	3.12	2.12	ppb
Selenium	77-2	15.35	19.01	17.14	17.17	10.66	ppb
Selenium	78-2	4.78	6.55	5.34	5.56	16.23	ppb
Silicon	28-1	156.58	171.21	161.80	163.20	4.55	ppb
Silver	107-1	8.18	8.26	8.06	8.16	1.25	ppb
Silver	109-1	8.02	8.12	7.80	7.98	2.01	ppb
Sodium	23-2	8321.40	8662.84	8411.76	8465.33	2.09	ppb
Strontium	86-1	373.39	379.24	376.08	376.24	0.78	ppb
Strontium	88-1	380.54	381.98	387.97	383.50	1.03	ppb
Sulfur	34-1	28118.25	30204.37	30111.34	29477.98	4.00	ppb
Terbium	159-1				97		%
Terbium	159-2				102		%
Thallium	203-1	0.71	0.66	0.68	0.68	3.63	ppb
Thallium	205-1	0.67	0.70	0.70	0.69	2.64	ppb
Tin	118-1	112.95	110.41	110.90	111.42	1.21	ppb
Titanium	47-1	970.28	1009.58	1019.31	999.72	2.60	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S04-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:36:30	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.42	4.40	4.35	4.39	0.85	ppb
Vanadium	51-2	115.15	116.29	114.92	115.46	0.63	ppb
Yttrium	89-1				109		%
Yttrium	89-2				109		%
Zinc	66-2	1729.11	1740.81	1726.15	1732.02	0.45	ppb
Zirconium	90-1	27.78	28.22	27.90	27.97	0.81	ppb
Zirconium	91-1	27.94	28.06	28.96	28.32	1.97	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:39:42	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53637.73	53742.89	53414.98	53598.53	0.31	ppb
Antimony	121-1	1.89	1.87	1.92	1.89	1.24	ppb
Arsenic	75-2	108.74	110.75	112.45	110.65	1.68	ppb
Barium	135-1	1030.77	1037.29	1031.73	1033.26	0.34	ppb
Barium	137-1	1070.42	1071.42	1065.41	1069.08	0.30	ppb
Beryllium	9-1	6.78	6.97	6.74	6.83	1.77	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	54.14	53.30	53.06	53.50	1.06	ppb
Cadmium	106-1	53.75	51.76	56.69	54.07	4.59	ppb
Cadmium	111-1	48.47	48.75	49.93	49.05	1.58	ppb
Calcium	43-1	28338.63	28101.64	28215.50	28218.59	0.42	ppb
Calcium	44-1	27487.86	26921.92	26890.35	27100.04	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1199.63	1182.31	1176.40	1186.12	1.02	ppb
Cobalt	59-2	66.88	67.84	67.58	67.43	0.74	ppb
Copper	63-2	1585.40	1612.51	1567.51	1588.47	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				102		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	149594.97	149861.05	150808.37	150088.13	0.42	ppb
Iron	57-2	145619.01	148600.95	145794.62	146671.53	1.14	ppb
Iron	54-2	146034.22	151426.56	150987.53	149482.77	2.00	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:39:42	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2488.46	2506.24	2467.78	2487.49	0.77	ppb
Lead	207-1	2375.02	2274.76	2368.33	2339.37	2.40	ppb
Lead	208-1	2429.87	2425.24	2429.56	2428.22	0.11	ppb
Lithium	6-1				93		%
Magnesium	24-2	39435.54	38355.07	38407.30	38732.64	1.57	ppb
Manganese	55-2	1312.94	1315.40	1331.50	1319.95	0.76	ppb
Molybdenum	94-1	91.56	92.44	93.93	92.64	1.29	ppb
Molybdenum	95-1	18.19	17.74	18.70	18.21	2.63	ppb
Molybdenum	96-1	26.68	26.89	27.18	26.92	0.93	ppb
Molybdenum	97-1	18.72	18.65	19.00	18.79	0.99	ppb
Molybdenum	98-1	17.87	18.17	18.53	18.19	1.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	415.93	412.33	409.51	412.59	0.78	ppb
Phosphorus	31-2	5976.65	5949.02	5990.73	5972.13	0.36	ppb
Potassium	39-2	11775.37	11846.65	11765.30	11795.77	0.38	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				107		%
Selenium	82-1	8.04	8.57	8.88	8.50	5.00	ppb
Selenium	77-2	28.21	30.77	29.34	29.44	4.35	ppb
Selenium	78-2	10.73	13.30	12.18	12.07	10.65	ppb
Silicon	28-1	174.65	173.95	185.31	177.97	3.58	ppb
Silver	107-1	31.37	32.07	32.16	31.86	1.36	ppb
Silver	109-1	30.97	31.31	31.54	31.28	0.91	ppb
Sodium	23-2	35298.15	34282.12	34405.31	34661.86	1.60	ppb
Strontium	86-1	236.00	236.39	242.42	238.27	1.51	ppb
Strontium	88-1	247.16	240.99	250.66	246.27	1.99	ppb
Sulfur	34-1	70139.52	72642.87	72999.64	71927.34	2.17	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	1.45	1.43	1.49	1.46	2.26	ppb
Thallium	205-1	1.46	1.46	1.46	1.46	0.28	ppb
Tin	118-1	189.87	190.76	190.71	190.45	0.26	ppb
Titanium	47-1	1634.89	1615.88	1620.22	1623.66	0.61	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:39:42	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.24	8.24	8.06	8.18	1.24	ppb
Vanadium	51-2	254.20	254.60	252.48	253.76	0.44	ppb
Yttrium	89-1				117		%
Yttrium	89-2				115		%
Zinc	66-2	3303.73	3301.45	3248.60	3284.59	0.95	ppb
Zirconium	90-1	42.78	43.02	43.45	43.08	0.79	ppb
Zirconium	91-1	42.96	43.02	43.88	43.29	1.20	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-010074-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:42:45	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	73514.38	74305.62	73707.80	73842.60	0.56	ppb
Antimony	121-1	1.10	1.10	1.11	1.11	0.36	ppb
Arsenic	75-2	271.38	269.90	272.47	271.25	0.48	ppb
Barium	135-1	1139.55	1147.47	1161.46	1149.49	0.97	ppb
Barium	137-1	1211.63	1178.13	1198.02	1195.93	1.41	ppb
Beryllium	9-1	5.48	5.86	5.99	5.78	4.58	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	14.51	14.76	14.61	14.62	0.85	ppb
Cadmium	106-1	20.00	21.08	20.78	20.62	2.69	ppb
Cadmium	111-1	13.79	14.11	13.46	13.78	2.35	ppb
Calcium	43-1	31464.97	31009.44	31010.83	31161.75	0.84	ppb
Calcium	44-1	29926.41	29985.33	29591.13	29834.29	0.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	593.71	603.80	594.72	597.41	0.93	ppb
Cobalt	59-2	70.83	69.69	70.97	70.50	1.00	ppb
Copper	63-2	1266.29	1254.82	1262.54	1261.22	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	206694.53	203332.35	206115.90	205380.93	0.88	ppb
Iron	57-2	199604.97	200416.06	200147.31	200056.11	0.21	ppb
Iron	54-2	204192.20	204090.61	206541.53	204941.45	0.68	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-010074-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:42:45	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2597.82	2606.88	2596.47	2600.39	0.22	ppb
Lead	207-1	2422.36	2448.82	2518.82	2463.33	2.02	ppb
Lead	208-1	2506.78	2507.91	2558.08	2524.26	1.16	ppb
Lithium	6-1				96		%
Magnesium	24-2	41018.61	41643.83	41489.44	41383.96	0.79	ppb
Manganese	55-2	2815.34	2769.26	2752.37	2778.99	1.17	ppb
Molybdenum	94-1	104.27	105.79	102.77	104.28	1.45	ppb
Molybdenum	95-1	6.74	7.07	6.85	6.89	2.44	ppb
Molybdenum	96-1	18.21	18.31	18.06	18.19	0.71	ppb
Molybdenum	97-1	7.10	6.98	6.93	7.01	1.25	ppb
Molybdenum	98-1	6.77	6.88	6.74	6.80	1.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	299.26	300.11	303.69	301.02	0.78	ppb
Phosphorus	31-2	7189.42	7137.68	7248.30	7191.80	0.77	ppb
Potassium	39-2	15295.19	15177.05	15750.64	15407.63	1.97	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				111		%
Scandium	45-2				111		%
Selenium	82-1	11.18	11.01	10.48	10.89	3.36	ppb
Selenium	77-2	39.67	39.63	39.56	39.62	0.15	ppb
Selenium	78-2	16.73	15.84	15.61	16.06	3.69	ppb
Silicon	28-1	93.34	83.31	87.83	88.16	5.70	ppb
Silver	107-1	15.92	16.23	16.26	16.14	1.19	ppb
Silver	109-1	15.66	15.81	16.17	15.88	1.64	ppb
Sodium	23-2	21533.04	21685.06	21471.85	21563.32	0.51	ppb
Strontium	86-1	243.58	248.57	239.14	243.77	1.94	ppb
Strontium	88-1	252.82	256.80	242.63	250.75	2.92	ppb
Sulfur	34-1	76865.63	77396.76	77848.26	77370.22	0.64	ppb
Terbium	159-1				103		%
Terbium	159-2				105		%
Thallium	203-1	1.80	1.82	1.90	1.84	3.04	ppb
Thallium	205-1	1.81	1.84	1.83	1.83	0.95	ppb
Tin	118-1	364.07	363.10	367.26	364.81	0.60	ppb
Titanium	47-1	1560.86	1531.44	1536.80	1543.03	1.02	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-010074-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:42:45	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.71	6.54	6.75	6.67	1.63	ppb
Vanadium	51-2	233.42	233.56	234.34	233.77	0.21	ppb
Yttrium	89-1				122		%
Yttrium	89-2				123		%
Zinc	66-2	2053.74	2057.97	2047.01	2052.90	0.27	ppb
Zirconium	90-1	55.26	56.29	54.93	55.50	1.28	ppb
Zirconium	91-1	55.27	56.41	55.35	55.68	1.14	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:45:55	DataFile Name :	070CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51340.65	50450.59	51745.15	51178.80	1.29	ppb
Antimony	121-1	511.26	516.50	515.51	514.42	0.54	ppb
Arsenic	75-2	491.75	491.41	496.18	493.11	0.54	ppb
Barium	135-1	2551.77	2578.78	2665.47	2598.67	2.29	ppb
Barium	137-1	2458.15	2635.72	2578.54	2557.47	3.54	ppb
Beryllium	9-1	507.04	512.71	514.11	511.28	0.73	ppb
Bismuth	209-1				96		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	485.17	510.82	504.93	500.31	2.69	ppb
Cadmium	106-1	483.97	511.59	506.12	500.56	2.92	ppb
Cadmium	111-1	486.58	499.50	503.42	496.50	1.78	ppb
Calcium	43-1	254261.79	256219.56	258489.24	256323.53	0.83	ppb
Calcium	44-1	257246.27	257725.08	254566.08	256512.48	0.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	502.67	504.47	507.05	504.73	0.44	ppb
Cobalt	59-2	501.00	492.67	497.30	496.99	0.84	ppb
Copper	63-2	4947.13	4975.12	5092.47	5004.91	1.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	56-2	131963.85	131342.42	132453.59	131919.95	0.42	ppb
Iron	57-2	132176.92	130478.56	131650.55	131435.34	0.66	ppb
Iron	54-2	131076.58	131457.46	132780.54	131771.53	0.68	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:45:55	DataFile Name :	070CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2580.24	2609.73	2529.99	2573.32	1.57	ppb
Lead	207-1	2516.51	2509.67	2487.82	2504.67	0.60	ppb
Lead	208-1	2561.08	2549.06	2493.50	2534.55	1.42	ppb
Lithium	6-1				92		%
Magnesium	24-2	255661.09	248837.71	254560.70	253019.83	1.45	ppb
Manganese	55-2	5046.55	5091.88	5128.97	5089.13	0.81	ppb
Molybdenum	94-1	5075.00	5036.76	5021.51	5044.42	0.55	ppb
Molybdenum	95-1	5064.47	5052.17	4920.23	5012.29	1.60	ppb
Molybdenum	96-1	4996.42	5118.32	4967.14	5027.29	1.59	ppb
Molybdenum	97-1	5005.10	5042.78	5020.51	5022.80	0.38	ppb
Molybdenum	98-1	4968.26	5057.68	4921.84	4982.59	1.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	482.71	488.40	490.72	487.28	0.85	ppb
Phosphorus	31-2	10143.55	9963.97	10145.34	10084.29	1.03	ppb
Potassium	39-2	128499.02	126664.60	127986.43	127716.68	0.74	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	478.96	485.79	475.01	479.92	1.14	ppb
Selenium	77-2	510.50	468.66	486.20	488.45	4.30	ppb
Selenium	78-2	485.28	475.37	468.16	476.27	1.81	ppb
Silicon	28-1	521.10	532.69	532.27	528.69	1.24	ppb
Silver	107-1	498.72	515.50	525.34	513.19	2.62	ppb
Silver	109-1	489.62	514.09	511.15	504.95	2.65	ppb
Sodium	23-2	252617.18	253100.82	253976.63	253231.54	0.27	ppb
Strontium	86-1	497.57	511.32	493.31	500.73	1.88	ppb
Strontium	88-1	510.31	515.74	523.69	516.58	1.30	ppb
Sulfur	34-1	9789.06	9799.02	9562.13	9716.73	1.38	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	509.17	525.34	510.53	515.01	1.74	ppb
Thallium	205-1	513.85	522.65	528.13	521.54	1.38	ppb
Tin	118-1	509.95	531.82	525.22	522.33	2.15	ppb
Titanium	47-1	5010.62	5064.21	5125.21	5066.68	1.13	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:45:55	DataFile Name :	070CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	497.42	494.12	485.89	492.47	1.21	ppb
Vanadium	51-2	507.28	507.51	508.17	507.65	0.09	ppb
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	4779.76	4967.47	4830.09	4859.11	2.00	ppb
Zirconium	90-1	507.71	509.86	505.04	507.54	0.48	ppb
Zirconium	91-1	497.22	500.04	494.48	497.25	0.56	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:00:21	DataFile Name :	072CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.12	-0.03	-0.15	-0.02		ppb
Antimony	121-1	0.02	0.03	0.02	0.02	28.15	ppb
Arsenic	75-2	-0.02	-0.02	-0.01	-0.02		ppb
Barium	135-1	0.02	-0.02	-0.02	-0.01		ppb
Barium	137-1	-0.01	-0.01	-0.02	-0.01		ppb
Beryllium	9-1	-0.01	-0.01	0.01	-0.01		ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.09	0.08	-0.05	-0.02		ppb
Cadmium	106-1	-3.77	-4.15	-2.89	-3.60		ppb
Cadmium	111-1	-0.26	-0.29	-0.19	-0.25		ppb
Calcium	43-1	-3.35	-1.57	0.06	-1.62		ppb
Calcium	44-1	6.98	3.33	5.70	5.34	34.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	0.01	0.01	-0.01		ppb
Cobalt	59-2	-0.01	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.07	0.09	0.06	0.08	18.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	2.08	2.54	1.97	2.20	13.94	ppb
Iron	57-2	5.00	3.99	3.29	4.09	21.00	ppb
Iron	54-2	3.64	2.56	1.93	2.71	31.83	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:00:21	DataFile Name :	072CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.03	0.04	0.04	10.43	ppb
Lead	207-1	0.04	0.01	0.04	0.03	58.89	ppb
Lead	208-1	0.04	0.03	0.03	0.04	15.84	ppb
Lithium	6-1				87		%
Magnesium	24-2	0.32	0.14	0.03	0.16	89.38	ppb
Manganese	55-2	-0.05	-0.03	-0.07	-0.05		ppb
Molybdenum	94-1	0.00	0.00	-0.03	-0.01		ppb
Molybdenum	95-1	0.03	0.03	0.04	0.04	25.04	ppb
Molybdenum	96-1	0.00	-0.01	0.01	0.00		ppb
Molybdenum	97-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	98-1	-0.01	0.00	0.01	0.00	4819.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.15	-0.10	-0.12		ppb
Phosphorus	31-2	-44.50	-43.54	-47.57	-45.21		ppb
Potassium	39-2	19.29	19.50	18.04	18.94	4.18	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	82-1	0.08	0.14	-1.03	-0.27		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	0.12	0.21	-0.17	0.06	353.08	ppb
Silicon	28-1	0.39	0.34	0.49	0.40	18.77	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	34.86	35.32	34.76	34.98	0.85	ppb
Strontium	86-1	0.00	0.09	0.11	0.07	85.60	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	70.93	ppb
Sulfur	34-1	42.40	-59.86	96.19	26.24	302.07	ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	0.01	0.00	0.01	0.01	127.05	ppb
Thallium	205-1	0.01	-0.01	0.00	0.00	1071.80	ppb
Tin	118-1	0.08	0.09	0.05	0.07	24.86	ppb
Titanium	47-1	0.03	0.07	0.01	0.04	79.99	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:00:21	DataFile Name :	072CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.02	-0.01	-0.02	-0.02		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	6318.88	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	0.20	0.28	-0.06	0.14	127.45	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	28.46	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	179.35	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:03:44	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85775.22	85741.10	85402.89	85639.74	0.24	ppb
Antimony	121-1	1.91	1.88	1.87	1.89	1.11	ppb
Arsenic	75-2	197.61	195.97	197.36	196.98	0.45	ppb
Barium	135-1	2586.66	2660.11	2545.41	2597.39	2.24	ppb
Barium	137-1	2621.43	2605.84	2555.18	2594.15	1.34	ppb
Beryllium	9-1	8.99	8.75	9.21	8.98	2.54	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	88.78	97.10	90.58	92.15	4.75	ppb
Cadmium	106-1	96.86	98.45	94.19	96.50	2.23	ppb
Cadmium	111-1	90.06	90.84	88.52	89.81	1.31	ppb
Calcium	43-1	77291.87	82693.46	81319.57	80434.97	3.49	ppb
Calcium	44-1	77219.30	79574.99	79066.67	78620.32	1.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2211.22	2162.44	2222.63	2198.76	1.45	ppb
Cobalt	59-2	111.85	110.90	111.06	111.27	0.46	ppb
Copper	63-2	2821.41	2770.47	2797.18	2796.35	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				105		%
Holmium	165-2				108		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	252251.34	251995.26	255166.55	253137.72	0.70	ppb
Iron	57-2	252875.71	248791.70	248598.02	250088.48	0.97	ppb
Iron	54-2	261270.33	250805.97	252647.58	254907.96	2.19	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:03:44	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	6092.67	6287.70	5981.28	6120.55	2.53	ppb
Lead	207-1	5809.00	6034.97	5720.49	5854.82	2.77	ppb
Lead	208-1	6060.23	6156.63	5878.89	6031.92	2.34	ppb
Lithium	6-1				96		%
Magnesium	24-2	68478.32	67105.11	68803.38	68128.94	1.32	ppb
Manganese	55-2	2032.99	1997.57	2004.20	2011.59	0.94	ppb
Molybdenum	94-1	143.76	141.96	142.52	142.75	0.64	ppb
Molybdenum	95-1	27.04	26.39	26.59	26.67	1.24	ppb
Molybdenum	96-1	40.07	39.88	40.94	40.30	1.41	ppb
Molybdenum	97-1	27.47	27.80	26.87	27.38	1.73	ppb
Molybdenum	98-1	26.74	26.75	26.75	26.75	0.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	747.22	734.41	740.79	740.81	0.86	ppb
Phosphorus	31-2	11753.11	11456.19	11600.22	11603.17	1.28	ppb
Potassium	39-2	18814.16	18178.06	18319.17	18437.13	1.81	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				113		%
Scandium	45-2				112		%
Selenium	82-1	18.05	17.40	18.51	17.99	3.08	ppb
Selenium	77-2	43.72	47.66	41.73	44.37	6.80	ppb
Selenium	78-2	23.58	24.52	22.95	23.68	3.34	ppb
Silicon	28-1	60.49	63.06	67.79	63.78	5.81	ppb
Silver	107-1	45.65	46.55	46.15	46.11	0.98	ppb
Silver	109-1	45.85	46.80	45.37	46.01	1.58	ppb
Sodium	23-2	61350.09	61195.14	59722.24	60755.82	1.48	ppb
Strontium	86-1	552.70	554.17	552.66	553.18	0.16	ppb
Strontium	88-1	581.29	566.80	575.37	574.49	1.27	ppb
Sulfur	34-1	128323.97	128612.71	131804.17	129580.28	1.49	ppb
Terbium	159-1				104		%
Terbium	159-2				108		%
Thallium	203-1	2.44	2.47	2.31	2.41	3.51	ppb
Thallium	205-1	2.41	2.48	2.36	2.41	2.51	ppb
Tin	118-1	314.18	324.05	314.63	317.62	1.76	ppb
Titanium	47-1	2083.80	2143.90	2179.02	2135.57	2.25	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:03:44	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	15.23	15.82	15.14	15.40	2.40	ppb
Vanadium	51-2	491.97	489.54	489.42	490.31	0.29	ppb
Yttrium	89-1				127		%
Yttrium	89-2				128		%
Zinc	66-2	5899.56	5715.72	5866.65	5827.31	1.68	ppb
Zirconium	90-1	67.51	67.45	67.13	67.36	0.30	ppb
Zirconium	91-1	67.45	67.27	67.62	67.45	0.26	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:06:47	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	64682.92	65156.89	65430.06	65089.96	0.58	ppb
Antimony	121-1	1.77	1.78	1.84	1.80	2.07	ppb
Arsenic	75-2	274.07	264.55	270.05	269.56	1.77	ppb
Barium	135-1	1811.68	1791.18	1812.77	1805.21	0.67	ppb
Barium	137-1	1820.94	1788.83	1815.00	1808.26	0.94	ppb
Beryllium	9-1	5.02	5.09	4.65	4.92	4.85	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	55.91	53.78	52.92	54.21	2.84	ppb
Cadmium	106-1	60.37	56.56	57.23	58.05	3.50	ppb
Cadmium	111-1	56.27	54.02	55.46	55.25	2.06	ppb
Calcium	43-1	33305.32	33972.67	33273.79	33517.26	1.18	ppb
Calcium	44-1	31966.63	32894.96	32571.39	32477.66	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2057.77	2110.69	2130.34	2099.60	1.79	ppb
Cobalt	59-2	61.20	61.47	63.95	62.21	2.44	ppb
Copper	63-2	2348.60	2376.22	2412.52	2379.11	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				103		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	182771.24	188722.28	188634.08	186709.20	1.83	ppb
Iron	57-2	180011.10	182570.99	184201.66	182261.25	1.16	ppb
Iron	54-2	187653.51	185344.63	189325.34	187441.16	1.07	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:06:47	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3021.25	2956.16	2960.59	2979.33	1.22	ppb
Lead	207-1	2977.08	2790.21	2825.12	2864.14	3.47	ppb
Lead	208-1	2987.74	2902.40	2896.79	2928.98	1.74	ppb
Lithium	6-1				94		%
Magnesium	24-2	40307.55	40850.17	40602.31	40586.68	0.67	ppb
Manganese	55-2	1566.10	1618.82	1637.65	1607.52	2.31	ppb
Molybdenum	94-1	92.34	92.99	92.40	92.58	0.39	ppb
Molybdenum	95-1	11.91	12.17	12.14	12.07	1.21	ppb
Molybdenum	96-1	21.30	21.33	21.58	21.40	0.70	ppb
Molybdenum	97-1	12.27	12.29	12.17	12.24	0.51	ppb
Molybdenum	98-1	12.05	12.10	12.10	12.08	0.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	334.59	335.51	342.52	337.54	1.29	ppb
Phosphorus	31-2	7798.66	7889.62	8009.25	7899.18	1.34	ppb
Potassium	39-2	14307.20	14364.93	14664.02	14445.38	1.33	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				109		%
Scandium	45-2				110		%
Selenium	82-1	16.45	15.20	15.68	15.78	4.00	ppb
Selenium	77-2	41.56	43.69	43.17	42.81	2.59	ppb
Selenium	78-2	20.66	22.43	17.82	20.30	11.44	ppb
Silicon	28-1	64.33	77.20	71.28	70.94	9.08	ppb
Silver	107-1	40.19	39.18	39.93	39.77	1.31	ppb
Silver	109-1	39.37	38.30	39.95	39.20	2.14	ppb
Sodium	23-2	37296.32	37405.89	38362.24	37688.15	1.56	ppb
Strontium	86-1	317.95	319.69	322.49	320.05	0.72	ppb
Strontium	88-1	328.58	331.05	328.55	329.39	0.44	ppb
Sulfur	34-1	87040.35	87136.68	85705.84	86627.62	0.92	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	2.67	2.71	2.60	2.66	2.09	ppb
Thallium	205-1	2.63	2.64	2.58	2.62	1.22	ppb
Tin	118-1	300.78	290.80	299.28	296.96	1.81	ppb
Titanium	47-1	1494.91	1534.79	1472.01	1500.57	2.12	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:06:47	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.94	8.71	8.53	8.72	2.32	ppb
Vanadium	51-2	262.39	264.82	268.77	265.33	1.21	ppb
Yttrium	89-1				122		%
Yttrium	89-2				121		%
Zinc	66-2	3467.44	3348.30	3480.67	3432.14	2.12	ppb
Zirconium	90-1	45.48	45.81	45.54	45.61	0.39	ppb
Zirconium	91-1	46.08	46.72	45.77	46.19	1.05	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:09:56	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	63661.64	62631.45	66221.00	64171.36	2.88	ppb
Antimony	121-1	1.71	1.69	1.72	1.71	0.66	ppb
Arsenic	75-2	206.45	205.70	210.63	207.59	1.28	ppb
Barium	135-1	1656.20	1601.30	1656.75	1638.08	1.94	ppb
Barium	137-1	1614.39	1596.46	1658.37	1623.08	1.96	ppb
Beryllium	9-1	4.88	5.11	5.13	5.04	2.77	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	46.79	45.39	46.52	46.23	1.61	ppb
Cadmium	106-1	47.30	45.55	48.26	47.04	2.92	ppb
Cadmium	111-1	46.64	44.83	45.86	45.78	1.99	ppb
Calcium	43-1	22676.46	23310.40	23305.52	23097.46	1.58	ppb
Calcium	44-1	21727.41	22284.76	22419.83	22144.00	1.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1743.99	1708.22	1745.33	1732.51	1.21	ppb
Cobalt	59-2	57.72	56.69	58.69	57.70	1.73	ppb
Copper	63-2	2081.97	2074.97	2087.34	2081.43	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				104		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	170846.20	166916.49	170276.62	169346.44	1.25	ppb
Iron	57-2	163326.56	166371.95	169014.71	166237.74	1.71	ppb
Iron	54-2	172268.06	168201.44	173512.53	171327.34	1.62	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:09:56	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3014.66	3007.27	3149.20	3057.04	2.61	ppb
Lead	207-1	2899.91	2919.14	2900.61	2906.55	0.38	ppb
Lead	208-1	2997.95	2991.13	3000.05	2996.37	0.16	ppb
Lithium	6-1				93		%
Magnesium	24-2	37622.70	37621.89	39213.09	38152.56	2.41	ppb
Manganese	55-2	1508.98	1499.20	1523.77	1510.65	0.82	ppb
Molybdenum	94-1	88.95	90.15	90.36	89.82	0.84	ppb
Molybdenum	95-1	12.01	12.25	12.27	12.18	1.19	ppb
Molybdenum	96-1	21.22	20.99	21.56	21.26	1.34	ppb
Molybdenum	97-1	12.47	12.39	12.51	12.45	0.49	ppb
Molybdenum	98-1	12.16	12.25	12.41	12.28	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	314.44	310.14	316.33	313.64	1.01	ppb
Phosphorus	31-2	6923.27	6783.29	7007.78	6904.78	1.64	ppb
Potassium	39-2	14096.39	14273.86	14341.09	14237.11	0.89	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				109		%
Selenium	82-1	14.29	16.40	15.45	15.38	6.85	ppb
Selenium	77-2	35.95	36.89	36.01	36.28	1.44	ppb
Selenium	78-2	18.83	17.66	17.25	17.91	4.56	ppb
Silicon	28-1	95.09	98.32	75.65	89.69	13.67	ppb
Silver	107-1	39.50	39.14	40.48	39.71	1.75	ppb
Silver	109-1	39.25	37.92	39.53	38.90	2.22	ppb
Sodium	23-2	38440.96	36956.22	39665.62	38354.27	3.54	ppb
Strontium	86-1	249.78	252.46	257.33	253.19	1.51	ppb
Strontium	88-1	259.01	260.33	266.69	262.01	1.57	ppb
Sulfur	34-1	79976.81	80227.44	80670.30	80291.51	0.44	ppb
Terbium	159-1				103		%
Terbium	159-2				105		%
Thallium	203-1	2.44	2.46	2.43	2.44	0.76	ppb
Thallium	205-1	2.44	2.46	2.47	2.45	0.60	ppb
Tin	118-1	351.05	337.34	351.02	346.47	2.28	ppb
Titanium	47-1	1307.33	1340.31	1335.25	1327.63	1.34	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:09:56	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.95	8.90	8.87	8.91	0.44	ppb
Vanadium	51-2	252.74	248.03	252.28	251.02	1.03	ppb
Yttrium	89-1				121		%
Yttrium	89-2				122		%
Zinc	66-2	3329.88	3212.27	3375.79	3305.98	2.55	ppb
Zirconium	90-1	43.85	44.35	44.95	44.38	1.25	ppb
Zirconium	91-1	43.77	44.93	45.84	44.85	2.31	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:13:02	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85320.47	85592.48	87103.18	86005.38	1.12	ppb
Antimony	121-1	1.45	1.57	1.48	1.50	4.20	ppb
Arsenic	75-2	403.45	405.26	410.46	406.39	0.90	ppb
Barium	135-1	2880.44	2927.73	2782.81	2863.66	2.58	ppb
Barium	137-1	2768.27	2899.90	2742.90	2803.69	3.01	ppb
Beryllium	9-1	7.07	7.00	6.77	6.95	2.27	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	73.92	77.49	74.75	75.39	2.47	ppb
Cadmium	106-1	79.34	82.29	76.60	79.41	3.58	ppb
Cadmium	111-1	78.38	79.84	76.94	78.39	1.85	ppb
Calcium	43-1	40467.46	41510.23	40969.41	40982.37	1.27	ppb
Calcium	44-1	39645.54	39438.23	39442.69	39508.82	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1878.90	1833.70	1893.12	1868.57	1.66	ppb
Cobalt	59-2	77.40	77.01	77.10	77.17	0.27	ppb
Copper	63-2	2586.49	2568.24	2591.47	2582.07	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	222918.44	224669.94	226150.00	224579.46	0.72	ppb
Iron	57-2	221590.46	216574.72	218898.05	219021.08	1.15	ppb
Iron	54-2	223653.87	222933.53	224286.06	223624.49	0.30	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:13:02	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2986.07	2951.80	2897.95	2945.27	1.51	ppb
Lead	207-1	2962.36	2840.38	2778.73	2860.49	3.27	ppb
Lead	208-1	2975.07	2870.23	2843.01	2896.10	2.41	ppb
Lithium	6-1				94		%
Magnesium	24-2	48521.06	47402.74	47852.03	47925.28	1.17	ppb
Manganese	55-2	2482.59	2438.41	2451.43	2457.48	0.92	ppb
Molybdenum	94-1	109.17	109.40	110.88	109.82	0.85	ppb
Molybdenum	95-1	11.52	11.49	11.36	11.46	0.78	ppb
Molybdenum	96-1	22.93	22.63	22.96	22.84	0.79	ppb
Molybdenum	97-1	11.57	11.65	11.72	11.65	0.62	ppb
Molybdenum	98-1	11.45	11.54	11.51	11.50	0.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	326.77	325.56	330.72	327.68	0.82	ppb
Phosphorus	31-2	13296.88	12993.14	13198.30	13162.77	1.18	ppb
Potassium	39-2	19174.33	18611.95	19244.74	19010.34	1.82	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				112		%
Scandium	45-2				113		%
Selenium	82-1	18.63	21.06	20.97	20.22	6.81	ppb
Selenium	77-2	55.57	54.29	52.04	53.97	3.31	ppb
Selenium	78-2	24.25	23.75	26.26	24.75	5.38	ppb
Silicon	28-1	63.75	64.61	64.02	64.13	0.69	ppb
Silver	107-1	34.67	36.26	34.72	35.22	2.57	ppb
Silver	109-1	34.32	35.14	34.22	34.56	1.47	ppb
Sodium	23-2	45491.29	45520.50	45954.45	45655.41	0.57	ppb
Strontium	86-1	385.22	381.51	387.50	384.74	0.79	ppb
Strontium	88-1	399.69	395.07	398.62	397.79	0.61	ppb
Sulfur	34-1	85745.54	88179.94	85055.45	86326.98	1.90	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	3.12	3.02	2.94	3.03	2.98	ppb
Thallium	205-1	3.08	3.05	2.98	3.04	1.75	ppb
Tin	118-1	300.79	312.76	298.83	304.13	2.48	ppb
Titanium	47-1	1793.65	1823.20	1779.98	1798.94	1.23	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:13:02	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	9.80	9.72	9.50	9.67	1.58	ppb
Vanadium	51-2	318.13	315.01	317.61	316.91	0.53	ppb
Yttrium	89-1				129		%
Yttrium	89-2				128		%
Zinc	66-2	3481.27	3512.47	3561.68	3518.47	1.15	ppb
Zirconium	90-1	55.93	56.04	56.01	55.99	0.10	ppb
Zirconium	91-1	56.70	56.02	55.71	56.14	0.91	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:16:20	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	82467.49	83126.11	83961.05	83184.89	0.90	ppb
Antimony	121-1	2.58	2.54	2.60	2.57	1.33	ppb
Arsenic	75-2	273.69	266.23	277.71	272.54	2.14	ppb
Barium	135-1	1647.16	1642.28	1683.96	1657.80	1.37	ppb
Barium	137-1	1656.70	1603.59	1657.53	1639.27	1.89	ppb
Beryllium	9-1	6.91	6.68	6.84	6.81	1.76	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	93.35	89.06	85.95	89.46	4.16	ppb
Cadmium	106-1	99.06	92.42	95.18	95.55	3.49	ppb
Cadmium	111-1	93.10	90.90	93.32	92.44	1.44	ppb
Calcium	43-1	52466.61	53965.48	53490.45	53307.51	1.44	ppb
Calcium	44-1	50971.42	51970.03	51015.15	51318.87	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2876.87	2840.88	2791.32	2836.36	1.51	ppb
Cobalt	59-2	82.16	82.69	82.92	82.59	0.47	ppb
Copper	63-2	2940.25	3049.56	3003.48	2997.76	1.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				105		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	225643.52	232410.40	229988.06	229347.33	1.49	ppb
Iron	57-2	228154.50	226481.18	224909.55	226515.08	0.72	ppb
Iron	54-2	226350.96	230149.00	233570.35	230023.44	1.57	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:16:20	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2847.92	2889.64	2781.52	2839.69	1.92	ppb
Lead	207-1	2769.71	2691.54	2612.36	2691.20	2.92	ppb
Lead	208-1	2808.05	2786.43	2708.22	2767.57	1.90	ppb
Lithium	6-1				91		%
Magnesium	24-2	52094.52	51790.08	51857.17	51913.92	0.31	ppb
Manganese	55-2	2012.58	2019.23	2043.85	2025.22	0.81	ppb
Molybdenum	94-1	122.58	120.10	121.79	121.49	1.05	ppb
Molybdenum	95-1	18.63	18.16	18.37	18.39	1.30	ppb
Molybdenum	96-1	30.94	30.12	30.17	30.41	1.52	ppb
Molybdenum	97-1	19.28	18.37	18.35	18.67	2.85	ppb
Molybdenum	98-1	18.68	18.17	18.09	18.31	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	552.12	554.69	553.19	553.33	0.23	ppb
Phosphorus	31-2	15483.25	15589.83	15489.31	15520.79	0.39	ppb
Potassium	39-2	19179.24	19497.10	19057.65	19244.66	1.18	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				109		%
Scandium	45-2				111		%
Selenium	82-1	15.34	13.99	15.87	15.06	6.42	ppb
Selenium	77-2	49.58	50.59	51.50	50.56	1.91	ppb
Selenium	78-2	20.26	19.38	17.92	19.19	6.15	ppb
Silicon	28-1	71.98	73.90	67.54	71.14	4.59	ppb
Silver	107-1	34.39	33.51	34.57	34.16	1.65	ppb
Silver	109-1	33.75	32.80	33.02	33.19	1.51	ppb
Sodium	23-2	61336.05	62427.49	62194.66	61986.07	0.93	ppb
Strontium	86-1	590.10	569.64	577.53	579.09	1.78	ppb
Strontium	88-1	600.58	598.66	594.83	598.02	0.49	ppb
Sulfur	34-1	111537.48	115161.70	113217.82	113305.67	1.60	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	2.68	2.65	2.59	2.64	1.79	ppb
Thallium	205-1	2.66	2.59	2.61	2.62	1.38	ppb
Tin	118-1	293.08	282.73	291.64	289.15	1.94	ppb
Titanium	47-1	2406.55	2511.10	2420.98	2446.21	2.32	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:16:20	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	11.54	11.39	11.22	11.38	1.44	ppb
Vanadium	51-2	533.14	535.72	532.81	533.89	0.30	ppb
Yttrium	89-1				125		%
Yttrium	89-2				124		%
Zinc	66-2	4256.32	4198.48	4264.85	4239.88	0.85	ppb
Zirconium	90-1	60.27	58.07	59.05	59.13	1.86	ppb
Zirconium	91-1	60.96	57.35	59.20	59.17	3.05	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:19:36	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50779.23	50126.62	51296.88	50734.24	1.16	ppb
Antimony	121-1	0.63	0.67	0.63	0.64	3.00	ppb
Arsenic	75-2	63.30	63.90	61.79	63.00	1.73	ppb
Barium	135-1	416.97	423.84	428.31	423.04	1.35	ppb
Barium	137-1	414.68	419.75	426.45	420.29	1.40	ppb
Beryllium	9-1	5.88	6.02	5.79	5.90	2.02	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.67	10.96	11.43	11.69	7.60	ppb
Cadmium	106-1	13.44	11.67	13.46	12.86	8.01	ppb
Cadmium	111-1	8.18	8.16	8.40	8.25	1.60	ppb
Calcium	43-1	39919.37	40278.48	39367.77	39855.21	1.15	ppb
Calcium	44-1	39266.51	39612.00	38230.74	39036.42	1.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	394.77	393.17	400.18	396.04	0.93	ppb
Cobalt	59-2	64.78	65.11	66.45	65.45	1.35	ppb
Copper	63-2	823.81	825.49	831.42	826.91	0.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	56-2	141706.80	142592.05	145837.11	143378.66	1.52	ppb
Iron	57-2	139065.09	139490.82	142410.53	140322.15	1.30	ppb
Iron	54-2	142096.15	140761.99	145702.78	142853.64	1.79	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:19:36	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1893.07	1942.30	1947.85	1927.74	1.56	ppb
Lead	207-1	1848.02	1837.27	1858.30	1847.86	0.57	ppb
Lead	208-1	1841.87	1903.51	1909.28	1884.89	1.98	ppb
Lithium	6-1				90		%
Magnesium	24-2	57002.44	58447.86	57061.98	57504.09	1.42	ppb
Manganese	55-2	1582.79	1612.24	1589.10	1594.71	0.97	ppb
Molybdenum	94-1	90.98	93.30	91.81	92.03	1.27	ppb
Molybdenum	95-1	16.35	16.63	17.05	16.67	2.11	ppb
Molybdenum	96-1	25.13	25.82	25.64	25.53	1.42	ppb
Molybdenum	97-1	16.86	17.14	17.19	17.06	1.04	ppb
Molybdenum	98-1	16.65	16.87	16.54	16.69	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	442.92	446.43	458.28	449.21	1.79	ppb
Phosphorus	31-2	2788.62	2848.36	2884.39	2840.46	1.70	ppb
Potassium	39-2	12058.80	11872.17	12054.00	11994.99	0.89	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				106		%
Selenium	82-1	4.77	4.55	4.93	4.75	3.95	ppb
Selenium	77-2	25.78	25.26	25.29	25.44	1.16	ppb
Selenium	78-2	8.13	8.30	9.24	8.56	7.00	ppb
Silicon	28-1	60.48	63.68	64.87	63.01	3.61	ppb
Silver	107-1	14.29	14.34	14.56	14.39	1.00	ppb
Silver	109-1	13.98	14.20	14.16	14.11	0.81	ppb
Sodium	23-2	36801.30	37073.79	36200.49	36691.86	1.22	ppb
Strontium	86-1	170.07	172.74	173.89	172.23	1.14	ppb
Strontium	88-1	177.14	175.02	181.75	177.97	1.93	ppb
Sulfur	34-1	54307.95	55833.94	55567.81	55236.57	1.48	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	1.69	1.82	1.84	1.78	4.46	ppb
Thallium	205-1	1.73	1.79	1.78	1.77	1.89	ppb
Tin	118-1	174.70	174.71	175.28	174.90	0.19	ppb
Titanium	47-1	1343.66	1374.67	1346.75	1355.03	1.26	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:19:36	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.71	6.02	5.77	5.83	2.88	ppb
Vanadium	51-2	163.54	164.48	167.05	165.02	1.10	ppb
Yttrium	89-1				114		%
Yttrium	89-2				116		%
Zinc	66-2	2073.19	2069.55	2085.08	2075.94	0.39	ppb
Zirconium	90-1	43.52	43.75	43.82	43.69	0.36	ppb
Zirconium	91-1	43.46	44.04	44.47	43.99	1.15	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 16:25:45	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10623.74	10983.51	10879.01	10828.75	1.71	ppb
Antimony	121-1	0.13	0.15	0.13	0.14	10.02	ppb
Arsenic	75-2	14.44	14.75	14.47	14.55	1.17	ppb
Barium	135-1	87.35	88.41	81.75	85.84	4.17	ppb
Barium	137-1	87.64	88.59	83.86	86.70	2.89	ppb
Beryllium	9-1	1.18	1.21	1.19	1.19	1.37	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.40	2.13	2.03	2.19	8.80	ppb
Cadmium	106-1	1.40	1.74	1.10	1.41	22.64	ppb
Cadmium	111-1	1.63	1.64	1.58	1.62	1.93	ppb
Calcium	43-1	8783.79	8524.92	8574.68	8627.80	1.59	ppb
Calcium	44-1	8556.97	8337.92	8227.91	8374.27	2.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	83.36	83.41	84.13	83.64	0.52	ppb
Cobalt	59-2	13.76	13.74	14.00	13.83	1.06	ppb
Copper	63-2	171.17	172.44	171.15	171.58	0.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	29728.25	30449.58	30596.31	30258.05	1.54	ppb
Iron	57-2	29716.81	29967.36	29750.80	29811.66	0.46	ppb
Iron	54-2	30345.46	29964.32	30419.45	30243.08	0.81	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 16:25:45	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	361.93	358.41	348.01	356.12	2.03	ppb
Lead	207-1	346.04	343.90	334.71	341.55	1.76	ppb
Lead	208-1	367.69	371.62	362.90	367.40	1.19	ppb
Lithium	6-1				89		%
Magnesium	24-2	12061.46	12064.46	12283.30	12136.41	1.05	ppb
Manganese	55-2	331.82	334.12	340.02	335.32	1.26	ppb
Molybdenum	94-1	20.47	20.88	20.89	20.74	1.16	ppb
Molybdenum	95-1	3.80	3.84	3.69	3.78	2.04	ppb
Molybdenum	96-1	5.79	5.78	5.84	5.80	0.51	ppb
Molybdenum	97-1	3.85	3.98	3.79	3.87	2.49	ppb
Molybdenum	98-1	3.69	3.80	3.67	3.72	1.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.48	97.02	97.24	96.58	0.99	ppb
Phosphorus	31-2	564.86	533.53	591.85	563.41	5.18	ppb
Potassium	39-2	2583.42	2612.53	2657.89	2617.95	1.43	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	82-1	0.85	0.81	1.08	0.91	16.01	ppb
Selenium	77-2	5.97	5.64	6.19	5.93	4.67	ppb
Selenium	78-2	2.32	3.21	0.80	2.11	57.67	ppb
Silicon	28-1	17.55	17.11	16.85	17.17	2.05	ppb
Silver	107-1	2.97	3.05	2.82	2.95	4.03	ppb
Silver	109-1	2.96	3.00	2.95	2.97	0.92	ppb
Sodium	23-2	7621.96	7703.23	7545.77	7623.65	1.03	ppb
Strontium	86-1	39.08	38.99	39.19	39.09	0.26	ppb
Strontium	88-1	39.40	39.35	39.28	39.35	0.15	ppb
Sulfur	34-1	11170.95	10708.96	10750.11	10876.67	2.35	ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.38	0.43	0.38	0.40	7.56	ppb
Thallium	205-1	0.37	0.36	0.37	0.37	1.82	ppb
Tin	118-1	36.46	37.00	34.58	36.01	3.53	ppb
Titanium	47-1	297.99	291.86	289.21	293.02	1.54	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 16:25:45	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.22	1.20	1.17	1.20	2.25	ppb
Vanadium	51-2	34.57	34.41	34.40	34.46	0.27	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	448.67	447.63	450.38	448.89	0.31	ppb
Zirconium	90-1	9.75	9.84	9.59	9.73	1.32	ppb
Zirconium	91-1	9.56	9.81	9.81	9.73	1.45	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MSD	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:31:54	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	62922.90	60888.54	59779.42	61196.95	2.61	ppb
Antimony	121-1	479.84	474.36	461.48	471.89	2.00	ppb
Arsenic	75-2	481.14	491.37	495.32	489.28	1.50	ppb
Barium	135-1	2717.88	2704.82	2572.83	2665.18	3.01	ppb
Barium	137-1	2647.65	2715.78	2572.30	2645.24	2.71	ppb
Beryllium	9-1	468.09	465.79	456.18	463.35	1.36	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	465.92	472.32	451.51	463.25	2.30	ppb
Cadmium	106-1	480.55	489.89	472.00	480.81	1.86	ppb
Cadmium	111-1	479.38	482.53	462.10	474.67	2.32	ppb
Calcium	43-1	88108.68	87700.54	91128.72	88979.31	2.10	ppb
Calcium	44-1	87638.45	86847.26	88181.35	87555.69	0.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	928.38	931.56	906.26	922.07	1.49	ppb
Cobalt	59-2	518.66	500.48	525.36	514.83	2.50	ppb
Copper	63-2	5152.16	5031.35	5078.93	5087.48	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				94		%
Iron	56-2	169435.38	167440.85	171415.49	169430.57	1.17	ppb
Iron	57-2	168972.68	163935.55	169188.91	167365.71	1.78	ppb
Iron	54-2	171503.59	168657.29	171272.49	170477.79	0.93	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MSD	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:31:54	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3690.22	3745.19	3656.20	3697.21	1.21	ppb
Lead	207-1	3700.19	3613.52	3505.80	3606.50	2.70	ppb
Lead	208-1	3693.91	3673.55	3631.07	3666.18	0.87	ppb
Lithium	6-1				90		%
Magnesium	24-2	104866.21	105038.50	104965.36	104956.69	0.08	ppb
Manganese	55-2	5977.35	5847.25	5962.66	5929.09	1.20	ppb
Molybdenum	94-1	2041.17	2132.66	2073.62	2082.48	2.23	ppb
Molybdenum	95-1	1528.64	1538.06	1569.84	1545.51	1.40	ppb
Molybdenum	96-1	1592.27	1608.67	1610.45	1603.80	0.62	ppb
Molybdenum	97-1	1523.16	1522.45	1570.54	1538.72	1.79	ppb
Molybdenum	98-1	1502.41	1507.53	1556.00	1521.98	1.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	905.37	893.11	899.88	899.45	0.68	ppb
Phosphorus	31-2	3200.63	3166.51	3155.51	3174.22	0.74	ppb
Potassium	39-2	33742.48	33509.64	33853.70	33701.94	0.52	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	410.03	413.23	422.82	415.36	1.60	ppb
Selenium	77-2	429.73	434.98	428.84	431.19	0.77	ppb
Selenium	78-2	393.92	410.22	412.20	405.44	2.47	ppb
Silicon	28-1	60.43	71.36	77.12	69.64	12.17	ppb
Silver	107-1	93.79	95.49	91.40	93.56	2.20	ppb
Silver	109-1	92.03	92.64	89.73	91.46	1.68	ppb
Sodium	23-2	86950.88	86229.12	85178.76	86119.59	1.03	ppb
Strontium	86-1	652.71	668.82	681.37	667.63	2.15	ppb
Strontium	88-1	676.63	683.86	707.07	689.19	2.31	ppb
Sulfur	34-1	65415.72	65876.52	67162.08	66151.44	1.37	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	468.79	476.62	459.65	468.35	1.81	ppb
Thallium	205-1	472.98	475.19	466.27	471.48	0.99	ppb
Tin	118-1	566.40	563.97	562.00	564.12	0.39	ppb
Titanium	47-1	1339.80	1357.65	1386.06	1361.17	1.71	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MSD	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:31:54	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	447.25	451.67	451.27	450.06	0.54	ppb
Vanadium	51-2	634.50	621.92	642.50	632.97	1.64	ppb
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	6223.02	6152.65	6244.02	6206.56	0.77	ppb
Zirconium	90-1	451.96	446.55	449.78	449.43	0.61	ppb
Zirconium	91-1	433.21	441.28	445.64	440.04	1.43	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:40:27	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52252.53	52300.95	50595.80	51716.43	1.88	ppb
Antimony	121-1	0.84	0.93	0.84	0.87	6.27	ppb
Arsenic	75-2	62.26	62.56	63.76	62.86	1.26	ppb
Barium	135-1	453.49	474.35	462.20	463.35	2.26	ppb
Barium	137-1	451.05	479.82	455.77	462.21	3.34	ppb
Beryllium	9-1	5.80	5.58	5.90	5.76	2.86	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.69	12.26	12.48	12.48	1.70	ppb
Cadmium	106-1	13.73	13.56	11.66	12.98	8.85	ppb
Cadmium	111-1	8.57	8.54	8.48	8.53	0.55	ppb
Calcium	43-1	40539.61	40845.27	40637.76	40674.21	0.38	ppb
Calcium	44-1	39626.33	39080.03	38695.81	39134.06	1.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	405.68	405.48	400.75	403.97	0.69	ppb
Cobalt	59-2	67.64	66.77	66.00	66.80	1.22	ppb
Copper	63-2	849.74	846.70	812.44	836.29	2.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	150162.52	145792.37	145253.63	147069.51	1.83	ppb
Iron	57-2	145004.97	143263.93	142530.10	143599.67	0.89	ppb
Iron	54-2	145646.45	145532.96	143898.38	145025.93	0.67	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:40:27	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1898.03	1874.24	1924.00	1898.76	1.31	ppb
Lead	207-1	1858.10	1850.56	1848.32	1852.33	0.28	ppb
Lead	208-1	1859.60	1860.89	1881.39	1867.30	0.65	ppb
Lithium	6-1				93		%
Magnesium	24-2	59136.59	57646.66	58400.87	58394.71	1.28	ppb
Manganese	55-2	1638.17	1648.27	1599.19	1628.54	1.59	ppb
Molybdenum	94-1	94.14	94.40	97.73	95.42	2.09	ppb
Molybdenum	95-1	16.97	17.37	17.37	17.24	1.32	ppb
Molybdenum	96-1	26.40	26.19	26.67	26.42	0.91	ppb
Molybdenum	97-1	16.99	16.89	17.71	17.20	2.58	ppb
Molybdenum	98-1	17.08	17.19	17.86	17.38	2.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	461.88	453.71	454.32	456.64	1.00	ppb
Phosphorus	31-2	2841.74	2881.99	2783.68	2835.80	1.74	ppb
Potassium	39-2	12485.40	12054.27	12286.32	12275.33	1.76	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	82-1	4.10	3.96	3.76	3.94	4.32	ppb
Selenium	77-2	26.97	26.48	28.21	27.22	3.29	ppb
Selenium	78-2	4.60	6.29	7.46	6.12	23.49	ppb
Silicon	28-1	237.45	242.14	245.36	241.65	1.65	ppb
Silver	107-1	13.87	14.56	14.36	14.26	2.47	ppb
Silver	109-1	13.60	14.62	14.19	14.14	3.62	ppb
Sodium	23-2	37935.26	37183.70	37197.33	37438.76	1.15	ppb
Strontium	86-1	171.22	176.60	179.66	175.83	2.43	ppb
Strontium	88-1	177.78	183.24	184.87	181.97	2.04	ppb
Sulfur	34-1	59169.66	59343.76	58594.35	59035.93	0.66	ppb
Terbium	159-1				104		%
Terbium	159-2				108		%
Thallium	203-1	1.50	1.44	1.45	1.46	2.09	ppb
Thallium	205-1	1.48	1.46	1.46	1.47	0.77	ppb
Tin	118-1	191.55	201.21	195.46	196.07	2.48	ppb
Titanium	47-1	1465.03	1493.89	1469.55	1476.16	1.05	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:40:27	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.89	5.91	6.00	5.93	1.00	ppb
Vanadium	51-2	169.41	166.64	164.40	166.82	1.51	ppb
Yttrium	89-1				116		%
Yttrium	89-2				119		%
Zinc	66-2	2138.21	2112.63	2108.09	2119.65	0.77	ppb
Zirconium	90-1	44.52	45.41	46.52	45.48	2.21	ppb
Zirconium	91-1	44.61	44.98	46.75	45.44	2.52	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MS	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:43:37	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	60211.06	61323.55	60729.90	60754.84	0.92	ppb
Antimony	121-1	471.12	484.75	465.58	473.81	2.08	ppb
Arsenic	75-2	489.10	489.96	488.35	489.14	0.17	ppb
Barium	135-1	2669.89	2694.46	2610.26	2658.20	1.63	ppb
Barium	137-1	2674.62	2688.47	2604.97	2656.02	1.68	ppb
Beryllium	9-1	450.98	450.67	457.38	453.01	0.84	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	469.91	484.79	468.21	474.30	1.92	ppb
Cadmium	106-1	492.12	499.60	484.96	492.23	1.49	ppb
Cadmium	111-1	481.65	491.25	479.44	484.11	1.30	ppb
Calcium	43-1	85792.64	92926.44	91590.43	90103.17	4.21	ppb
Calcium	44-1	85264.33	89792.97	88544.80	87867.37	2.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	915.98	916.60	920.26	917.61	0.25	ppb
Cobalt	59-2	514.49	517.27	518.87	516.88	0.43	ppb
Copper	63-2	5158.02	5074.51	5044.87	5092.47	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	170115.25	171008.77	170964.00	170696.01	0.29	ppb
Iron	57-2	167448.88	169068.45	164266.62	166927.98	1.46	ppb
Iron	54-2	173296.10	170665.43	169593.29	171184.94	1.11	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MS	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:43:37	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3620.09	3751.17	3658.22	3676.49	1.83	ppb
Lead	207-1	3437.37	3553.87	3583.02	3524.75	2.19	ppb
Lead	208-1	3529.02	3659.10	3575.60	3587.91	1.84	ppb
Lithium	6-1				95		%
Magnesium	24-2	103862.51	106832.60	106041.66	105578.92	1.46	ppb
Manganese	55-2	5909.35	5949.81	5945.04	5934.74	0.37	ppb
Molybdenum	94-1	2001.45	2011.69	2019.90	2011.01	0.46	ppb
Molybdenum	95-1	1500.20	1493.02	1547.33	1513.51	1.95	ppb
Molybdenum	96-1	1550.90	1584.17	1597.47	1577.51	1.52	ppb
Molybdenum	97-1	1477.35	1478.65	1508.49	1488.17	1.18	ppb
Molybdenum	98-1	1503.87	1499.31	1485.36	1496.18	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	909.66	912.36	898.45	906.82	0.81	ppb
Phosphorus	31-2	3143.62	3127.36	3125.84	3132.27	0.31	ppb
Potassium	39-2	33675.57	33640.10	34094.24	33803.30	0.75	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				108		%
Selenium	82-1	401.52	406.52	408.75	405.60	0.91	ppb
Selenium	77-2	413.78	426.54	432.54	424.29	2.26	ppb
Selenium	78-2	401.12	418.95	410.01	410.03	2.17	ppb
Silicon	28-1	56.46	62.40	62.19	60.35	5.59	ppb
Silver	107-1	94.22	95.51	92.57	94.10	1.56	ppb
Silver	109-1	92.74	94.13	91.77	92.88	1.27	ppb
Sodium	23-2	85382.55	87596.55	86947.79	86642.30	1.31	ppb
Strontium	86-1	655.29	655.80	665.17	658.75	0.84	ppb
Strontium	88-1	690.69	693.73	687.35	690.59	0.46	ppb
Sulfur	34-1	66069.85	66782.92	64172.33	65675.03	2.05	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	453.96	476.15	461.66	463.93	2.43	ppb
Thallium	205-1	441.14	473.27	474.90	463.11	4.11	ppb
Tin	118-1	585.27	590.83	565.74	580.61	2.27	ppb
Titanium	47-1	1300.52	1389.57	1344.31	1344.80	3.31	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MS	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:43:37	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	445.45	448.87	440.62	444.98	0.93	ppb
Vanadium	51-2	637.33	625.32	631.34	631.33	0.95	ppb
Yttrium	89-1				118		%
Yttrium	89-2				118		%
Zinc	66-2	6288.21	6259.03	6218.39	6255.21	0.56	ppb
Zirconium	90-1	437.38	446.26	438.45	440.70	1.10	ppb
Zirconium	91-1	429.27	434.23	438.58	434.02	1.07	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:46:31	DataFile Name :	086CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49468.92	50405.33	50317.82	50064.02	1.03	ppb
Antimony	121-1	500.07	517.81	521.97	513.28	2.27	ppb
Arsenic	75-2	486.82	495.71	480.09	487.54	1.61	ppb
Barium	135-1	2635.53	2630.80	2635.03	2633.79	0.10	ppb
Barium	137-1	2569.65	2556.09	2583.98	2569.91	0.54	ppb
Beryllium	9-1	489.08	488.74	491.35	489.73	0.29	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	488.04	498.48	499.03	495.18	1.25	ppb
Cadmium	106-1	498.72	498.19	497.67	498.19	0.11	ppb
Cadmium	111-1	491.49	490.89	498.02	493.47	0.80	ppb
Calcium	43-1	246615.45	253780.96	251417.42	250604.61	1.46	ppb
Calcium	44-1	249184.04	246373.19	249674.73	248410.65	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	495.56	510.64	482.68	496.29	2.82	ppb
Cobalt	59-2	496.90	500.12	497.68	498.23	0.34	ppb
Copper	63-2	4978.95	4900.96	4930.72	4936.88	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				108		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	132082.03	131948.46	131356.44	131795.64	0.29	ppb
Iron	57-2	131453.57	129287.33	130868.65	130536.52	0.86	ppb
Iron	54-2	130803.29	131587.52	128647.86	130346.22	1.17	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:46:31	DataFile Name :	086CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2582.47	2550.12	2623.82	2585.47	1.43	ppb
Lead	207-1	2596.05	2523.61	2581.13	2566.93	1.49	ppb
Lead	208-1	2593.50	2565.80	2588.39	2582.56	0.57	ppb
Lithium	6-1				94		%
Magnesium	24-2	251354.21	248630.36	250624.08	250202.89	0.56	ppb
Manganese	55-2	4914.71	5018.80	5019.79	4984.43	1.21	ppb
Molybdenum	94-1	5075.01	5052.00	5119.67	5082.23	0.68	ppb
Molybdenum	95-1	4958.28	4980.48	5122.52	5020.43	1.77	ppb
Molybdenum	96-1	4951.89	5007.26	5119.95	5026.37	1.70	ppb
Molybdenum	97-1	5012.77	5009.09	5090.26	5037.37	0.91	ppb
Molybdenum	98-1	4952.54	5073.95	5139.92	5055.47	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	482.54	476.86	482.15	480.51	0.66	ppb
Phosphorus	31-2	9775.07	9757.77	9945.15	9826.00	1.05	ppb
Potassium	39-2	125258.64	126760.23	126017.10	126011.99	0.60	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	469.82	467.59	482.62	473.34	1.71	ppb
Selenium	77-2	456.29	464.71	466.72	462.57	1.20	ppb
Selenium	78-2	465.65	481.76	461.76	469.72	2.26	ppb
Silicon	28-1	525.62	527.73	513.18	522.17	1.51	ppb
Silver	107-1	509.87	504.38	509.75	508.00	0.62	ppb
Silver	109-1	513.12	495.66	510.92	506.57	1.88	ppb
Sodium	23-2	252721.72	251634.28	252801.70	252385.90	0.26	ppb
Strontium	86-1	494.84	494.82	504.68	498.11	1.14	ppb
Strontium	88-1	506.66	519.44	528.22	518.11	2.09	ppb
Sulfur	34-1	9082.27	9503.78	9237.03	9274.36	2.30	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	510.56	508.64	524.98	514.73	1.74	ppb
Thallium	205-1	520.16	515.05	517.68	517.63	0.49	ppb
Tin	118-1	519.71	519.38	532.21	523.77	1.40	ppb
Titanium	47-1	5050.87	5076.41	5028.35	5051.88	0.48	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:46:31	DataFile Name :	086CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	519.99	480.49	499.21	499.90	3.95	ppb
Vanadium	51-2	502.53	500.22	505.83	502.86	0.56	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	4843.92	4804.10	4795.70	4814.57	0.54	ppb
Zirconium	90-1	508.21	515.83	504.53	509.52	1.13	ppb
Zirconium	91-1	488.35	500.20	502.52	497.02	1.53	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:55:07	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.07	-0.58	-0.12	-0.26		ppb
Antimony	121-1	0.05	0.05	0.05	0.05	4.07	ppb
Arsenic	75-2	-0.01	-0.02	-0.02	-0.02		ppb
Barium	135-1	-0.01	-0.01	-0.01	-0.01		ppb
Barium	137-1	0.01	-0.01	-0.01	0.00		ppb
Beryllium	9-1	-0.01	0.00	0.00	0.00		ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.01	0.05	0.02	88.50	ppb
Cadmium	106-1	-4.06	-3.47	-4.66	-4.07		ppb
Cadmium	111-1	-0.29	-0.24	-0.31	-0.28		ppb
Calcium	43-1	-1.45	-4.07	-5.23	-3.58		ppb
Calcium	44-1	11.75	11.71	10.40	11.29	6.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.06	-0.03	-0.04		ppb
Cobalt	59-2	-0.02	-0.01	-0.01	-0.02		ppb
Copper	63-2	0.17	0.16	0.11	0.15	18.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	1.93	1.76	2.14	1.94	9.96	ppb
Iron	57-2	2.25	0.72	0.88	1.29	65.41	ppb
Iron	54-2	2.81	0.74	0.77	1.44	82.42	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:55:07	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.06	0.08	0.07	19.38	ppb
Lead	207-1	0.07	0.08	0.07	0.08	8.21	ppb
Lead	208-1	0.06	0.06	0.08	0.07	11.88	ppb
Lithium	6-1				87		%
Magnesium	24-2	0.46	0.38	0.61	0.48	24.92	ppb
Manganese	55-2	0.02	-0.03	0.00	0.00		ppb
Molybdenum	94-1	0.03	0.04	0.05	0.04	20.79	ppb
Molybdenum	95-1	0.04	0.02	0.02	0.03	51.21	ppb
Molybdenum	96-1	0.02	0.00	0.00	0.01	168.66	ppb
Molybdenum	97-1	0.02	-0.01	0.03	0.02	130.77	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.02	16.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.22	-0.12	-0.14	-0.16		ppb
Phosphorus	31-2	-48.51	-56.06	-50.12	-51.56		ppb
Potassium	39-2	16.37	16.51	15.39	16.09	3.79	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				94		%
Selenium	82-1	0.33	-0.67	-0.29	-0.21		ppb
Selenium	77-2	-0.16	0.08	0.09	0.00	3164.64	ppb
Selenium	78-2	-0.58	1.02	-0.10	0.11	722.46	ppb
Silicon	28-1	-0.29	-0.15	-0.30	-0.25		ppb
Silver	107-1	0.01	0.00	0.01	0.01	48.24	ppb
Silver	109-1	0.00	0.00	0.00	0.00	2.39	ppb
Sodium	23-2	181.08	184.53	180.99	182.20	1.11	ppb
Strontium	86-1	0.06	-0.01	0.05	0.03	108.41	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	6.25	ppb
Sulfur	34-1	-89.59	-14.90	-104.97	-69.82		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.06	0.07	0.05	0.06	10.29	ppb
Thallium	205-1	0.06	0.04	0.05	0.05	12.62	ppb
Tin	118-1	0.06	0.11	0.06	0.07	36.08	ppb
Titanium	47-1	-0.03	0.01	0.02	0.00	784.82	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:55:07	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	0.36	0.44	0.06	0.29	69.03	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	33.58	ppb
Zirconium	91-1	0.00	0.01	0.00	0.01	127.09	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05A	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:00:25	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56025.99	56621.78	55521.86	56056.54	0.98	ppb
Antimony	121-1	473.01	462.43	473.68	469.71	1.34	ppb
Arsenic	75-2	490.67	496.06	488.97	491.90	0.75	ppb
Barium	135-1	2680.12	2549.40	2613.29	2614.27	2.50	ppb
Barium	137-1	2562.28	2559.33	2531.89	2551.17	0.66	ppb
Beryllium	9-1	455.11	466.94	454.95	459.00	1.50	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	458.41	451.74	455.27	455.14	0.73	ppb
Cadmium	106-1	467.46	463.75	467.86	466.35	0.49	ppb
Cadmium	111-1	462.73	458.06	465.87	462.22	0.85	ppb
Calcium	43-1	83388.52	81226.61	82353.22	82322.78	1.31	ppb
Calcium	44-1	81360.33	79316.12	82222.95	80966.47	1.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	821.72	814.56	801.87	812.72	1.24	ppb
Cobalt	59-2	516.77	506.01	505.78	509.52	1.23	ppb
Copper	63-2	5254.73	5013.38	4994.34	5087.48	2.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	157755.83	158004.18	158059.72	157939.91	0.10	ppb
Iron	57-2	157880.29	153338.60	153035.62	154751.51	1.75	ppb
Iron	54-2	163182.40	157049.92	155828.81	158687.04	2.48	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05A	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:00:25	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4157.60	4261.63	4223.84	4214.36	1.25	ppb
Lead	207-1	4089.52	4221.00	4114.87	4141.80	1.68	ppb
Lead	208-1	4072.72	4243.59	4187.77	4168.03	2.09	ppb
Lithium	6-1				93		%
Magnesium	24-2	104226.84	102364.17	103120.17	103237.06	0.91	ppb
Manganese	55-2	5990.24	5848.71	5780.08	5873.01	1.82	ppb
Molybdenum	94-1	2065.76	2042.48	2034.19	2047.47	0.80	ppb
Molybdenum	95-1	1491.14	1554.07	1479.89	1508.37	2.65	ppb
Molybdenum	96-1	1564.90	1567.94	1568.93	1567.26	0.13	ppb
Molybdenum	97-1	1494.87	1540.64	1472.16	1502.56	2.32	ppb
Molybdenum	98-1	1502.75	1537.82	1521.20	1520.59	1.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	853.91	839.90	846.01	846.60	0.83	ppb
Phosphorus	31-2	2708.50	2646.86	2656.71	2670.69	1.24	ppb
Potassium	39-2	32696.53	31646.26	32215.27	32186.02	1.63	ppb
Rhodium	103-1				97		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	401.86	409.22	402.67	404.59	1.00	ppb
Selenium	77-2	445.79	426.98	429.93	434.23	2.33	ppb
Selenium	78-2	414.36	411.02	407.08	410.82	0.89	ppb
Silicon	28-1	100.50	102.23	123.26	108.66	11.66	ppb
Silver	107-1	87.83	87.64	88.94	88.14	0.79	ppb
Silver	109-1	87.30	86.03	87.64	86.99	0.97	ppb
Sodium	23-2	84409.41	81737.86	82944.09	83030.45	1.61	ppb
Strontium	86-1	614.23	625.56	612.78	617.53	1.13	ppb
Strontium	88-1	638.49	664.89	633.37	645.58	2.62	ppb
Sulfur	34-1	55301.28	53785.87	55954.50	55013.89	2.02	ppb
Terbium	159-1				104		%
Terbium	159-2				109		%
Thallium	203-1	452.29	463.20	460.64	458.71	1.24	ppb
Thallium	205-1	450.66	463.53	467.79	460.66	1.94	ppb
Tin	118-1	613.23	598.38	606.02	605.88	1.23	ppb
Titanium	47-1	1293.88	1266.93	1311.66	1290.82	1.74	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05A	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:00:25	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	423.80	446.81	450.82	440.47	3.31	ppb
Vanadium	51-2	633.02	607.72	606.45	615.73	2.43	ppb
Yttrium	89-1				116		%
Yttrium	89-2				115		%
Zinc	66-2	6337.75	6279.23	6353.48	6323.49	0.62	ppb
Zirconium	90-1	444.90	443.40	422.04	436.78	2.93	ppb
Zirconium	91-1	426.03	434.56	425.52	428.70	1.18	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:15:56	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54790.56	55010.74	55437.46	55079.59	0.60	ppb
Antimony	121-1	2.87	2.83	2.80	2.83	1.19	ppb
Arsenic	75-2	139.70	135.57	140.00	138.42	1.79	ppb
Barium	135-1	941.64	943.57	942.24	942.48	0.10	ppb
Barium	137-1	1000.43	1007.21	980.86	996.17	1.37	ppb
Beryllium	9-1	6.47	7.29	6.92	6.89	5.93	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	46.45	48.66	49.08	48.06	2.94	ppb
Cadmium	106-1	45.61	48.04	49.82	47.82	4.41	ppb
Cadmium	111-1	46.63	46.79	46.66	46.69	0.19	ppb
Calcium	43-1	101632.45	101094.06	100856.06	101194.19	0.39	ppb
Calcium	44-1	98920.66	100646.76	99768.08	99778.50	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1492.62	1478.91	1468.10	1479.88	0.83	ppb
Cobalt	59-2	84.74	83.45	82.81	83.67	1.17	ppb
Copper	63-2	1717.12	1660.21	1682.54	1686.62	1.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	211125.25	205546.64	205441.61	207371.16	1.57	ppb
Iron	57-2	204099.26	204667.23	203884.64	204217.04	0.20	ppb
Iron	54-2	206267.86	205613.89	203513.62	205131.79	0.70	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:15:56	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2506.41	2537.89	2491.00	2511.77	0.95	ppb
Lead	207-1	2415.31	2448.72	2334.79	2399.61	2.44	ppb
Lead	208-1	2462.99	2488.77	2427.34	2459.70	1.25	ppb
Lithium	6-1				88		%
Magnesium	24-2	38722.30	39498.97	39233.45	39151.57	1.01	ppb
Manganese	55-2	1865.83	1848.68	1840.27	1851.59	0.70	ppb
Molybdenum	94-1	102.30	102.72	106.07	103.70	1.99	ppb
Molybdenum	95-1	22.69	22.61	23.44	22.92	1.99	ppb
Molybdenum	96-1	31.65	32.57	33.22	32.48	2.43	ppb
Molybdenum	97-1	23.25	23.31	23.49	23.35	0.53	ppb
Molybdenum	98-1	22.86	22.67	23.20	22.91	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	448.43	438.96	445.19	444.20	1.08	ppb
Phosphorus	31-2	5364.88	5374.44	5344.13	5361.15	0.29	ppb
Potassium	39-2	13769.14	13897.25	13607.34	13757.91	1.06	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	11.61	11.14	13.27	12.01	9.29	ppb
Selenium	77-2	35.71	34.77	29.78	33.42	9.54	ppb
Selenium	78-2	14.99	17.60	15.97	16.19	8.14	ppb
Silicon	28-1	259.78	298.31	287.77	281.96	7.06	ppb
Silver	107-1	38.85	39.46	39.69	39.34	1.10	ppb
Silver	109-1	38.74	39.16	39.49	39.13	0.97	ppb
Sodium	23-2	39100.67	39275.49	39370.11	39248.76	0.35	ppb
Strontium	86-1	665.08	674.01	689.66	676.25	1.84	ppb
Strontium	88-1	688.71	688.32	713.12	696.72	2.04	ppb
Sulfur	34-1	132198.02	139900.21	134674.43	135590.89	2.90	ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	1.68	1.65	1.62	1.65	1.88	ppb
Thallium	205-1	1.61	1.62	1.60	1.61	0.61	ppb
Tin	118-1	192.56	196.79	195.98	195.11	1.15	ppb
Titanium	47-1	1756.66	1821.24	1769.69	1782.53	1.92	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:15:56	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	10.26	10.43	10.12	10.27	1.51	ppb
Vanadium	51-2	286.28	282.24	283.13	283.88	0.75	ppb
Yttrium	89-1				116		%
Yttrium	89-2				115		%
Zinc	66-2	3466.97	3373.52	3419.59	3420.02	1.37	ppb
Zirconium	90-1	46.68	47.35	47.80	47.28	1.19	ppb
Zirconium	91-1	46.27	47.70	48.36	47.44	2.25	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:18:57	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	62700.54	69793.02	63419.58	65304.38	5.98	ppb
Antimony	121-1	1.94	1.94	2.01	1.97	2.02	ppb
Arsenic	75-2	220.83	242.54	220.95	228.10	5.48	ppb
Barium	135-1	1825.84	1747.61	1773.90	1782.45	2.23	ppb
Barium	137-1	1805.35	1779.35	1799.72	1794.81	0.76	ppb
Beryllium	9-1	4.61	4.71	4.75	4.69	1.54	ppb
Bismuth	209-1				106		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	45.55	47.62	45.63	46.27	2.53	ppb
Cadmium	106-1	48.09	49.46	46.60	48.05	2.98	ppb
Cadmium	111-1	47.39	46.54	46.63	46.85	0.99	ppb
Calcium	43-1	35025.53	35360.31	35151.05	35178.97	0.48	ppb
Calcium	44-1	33694.15	33963.63	33840.96	33832.91	0.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1646.29	1866.45	1637.97	1716.91	7.55	ppb
Cobalt	59-2	56.71	63.41	56.99	59.04	6.42	ppb
Copper	63-2	2139.54	2394.00	2094.86	2209.47	7.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	56-2	175113.46	194838.66	177536.96	182496.36	5.89	ppb
Iron	57-2	175616.95	193493.69	175826.04	181645.56	5.65	ppb
Iron	54-2	178132.52	198990.19	175619.19	184247.30	6.96	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:18:57	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2680.49	2785.60	2846.07	2770.72	3.02	ppb
Lead	207-1	2507.39	2584.62	2660.24	2584.08	2.96	ppb
Lead	208-1	2612.17	2688.85	2725.30	2675.44	2.16	ppb
Lithium	6-1				92		%
Magnesium	24-2	33604.30	37051.71	33187.32	34614.44	6.13	ppb
Manganese	55-2	1616.15	1824.21	1632.66	1691.01	6.84	ppb
Molybdenum	94-1	91.52	93.73	94.09	93.11	1.49	ppb
Molybdenum	95-1	12.49	13.17	12.68	12.78	2.74	ppb
Molybdenum	96-1	22.13	22.41	22.33	22.29	0.66	ppb
Molybdenum	97-1	12.62	13.08	12.68	12.79	1.94	ppb
Molybdenum	98-1	12.48	12.88	12.87	12.74	1.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	276.73	307.08	273.63	285.81	6.47	ppb
Phosphorus	31-2	5917.20	6568.14	5787.58	6090.97	6.87	ppb
Potassium	39-2	13987.24	15454.54	13982.87	14474.89	5.86	ppb
Rhodium	103-1				99		%
Rhodium	103-2				96		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	16.12	16.59	16.66	16.45	1.78	ppb
Selenium	77-2	38.82	47.05	44.22	43.36	9.65	ppb
Selenium	78-2	18.89	21.18	21.23	20.43	6.54	ppb
Silicon	28-1	185.52	190.16	184.52	186.74	1.61	ppb
Silver	107-1	41.62	42.15	42.46	42.08	1.00	ppb
Silver	109-1	41.37	41.51	41.57	41.49	0.24	ppb
Sodium	23-2	17886.99	19971.05	18197.18	18685.07	6.02	ppb
Strontium	86-1	317.41	325.86	320.39	321.22	1.33	ppb
Strontium	88-1	329.44	332.92	326.97	329.77	0.91	ppb
Sulfur	34-1	86662.48	87622.30	88491.32	87592.04	1.04	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	2.30	2.40	2.37	2.35	2.04	ppb
Thallium	205-1	2.31	2.31	2.35	2.33	1.05	ppb
Tin	118-1	169.48	169.56	169.53	169.52	0.02	ppb
Titanium	47-1	1518.19	1533.49	1540.75	1530.81	0.75	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:18:57	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.91	9.00	9.28	9.06	2.11	ppb
Vanadium	51-2	233.37	260.23	232.97	242.19	6.45	ppb
Yttrium	89-1				119		%
Yttrium	89-2				116		%
Zinc	66-2	3053.30	3300.36	3053.13	3135.60	4.55	ppb
Zirconium	90-1	45.51	46.34	45.64	45.83	0.98	ppb
Zirconium	91-1	45.34	46.64	45.87	45.95	1.42	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:22:05	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	103557.29	106335.08	104899.81	104930.73	1.32	ppb
Antimony	121-1	1.37	1.28	1.31	1.32	3.76	ppb
Arsenic	75-2	218.95	218.66	221.62	219.74	0.74	ppb
Barium	135-1	1674.66	1605.19	1673.63	1651.16	2.41	ppb
Barium	137-1	1640.65	1605.29	1673.15	1639.69	2.07	ppb
Beryllium	9-1	7.74	7.61	7.72	7.69	0.95	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	17.61	16.69	16.98	17.10	2.75	ppb
Cadmium	106-1	23.12	21.44	23.75	22.77	5.25	ppb
Cadmium	111-1	13.15	12.95	13.44	13.18	1.88	ppb
Calcium	43-1	34824.75	34778.40	34696.89	34766.68	0.19	ppb
Calcium	44-1	33051.23	32603.82	33153.10	32936.05	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	668.88	677.61	665.75	670.75	0.92	ppb
Cobalt	59-2	91.16	89.33	88.42	89.64	1.56	ppb
Copper	63-2	1207.25	1248.61	1199.75	1218.54	2.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				110		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	268700.42	275928.75	266245.19	270291.45	1.86	ppb
Iron	57-2	268636.77	262632.11	259863.29	263710.72	1.70	ppb
Iron	54-2	268104.69	267395.04	262544.36	266014.70	1.14	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:22:05	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1919.26	1940.43	1921.01	1926.90	0.61	ppb
Lead	207-1	1852.03	1891.91	1816.10	1853.35	2.05	ppb
Lead	208-1	1896.04	1884.55	1873.69	1884.76	0.59	ppb
Lithium	6-1				95		%
Magnesium	24-2	46975.15	47697.69	46876.76	47183.20	0.95	ppb
Manganese	55-2	7562.38	7589.67	7516.05	7556.03	0.49	ppb
Molybdenum	94-1	134.43	134.08	134.78	134.43	0.26	ppb
Molybdenum	95-1	7.23	7.38	7.47	7.36	1.66	ppb
Molybdenum	96-1	21.50	22.25	22.10	21.95	1.80	ppb
Molybdenum	97-1	7.35	7.52	7.33	7.40	1.40	ppb
Molybdenum	98-1	7.25	7.37	7.37	7.33	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	270.02	271.33	268.36	269.91	0.55	ppb
Phosphorus	31-2	7652.73	7827.04	7798.15	7759.31	1.20	ppb
Potassium	39-2	19115.40	19507.10	19410.95	19344.48	1.06	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				117		%
Scandium	45-2				117		%
Selenium	82-1	17.54	17.10	16.46	17.03	3.18	ppb
Selenium	77-2	56.12	59.07	59.73	58.31	3.29	ppb
Selenium	78-2	22.77	22.77	20.89	22.14	4.90	ppb
Silicon	28-1	278.15	284.70	335.95	299.60	10.56	ppb
Silver	107-1	19.16	18.57	19.33	19.02	2.09	ppb
Silver	109-1	18.71	18.49	19.17	18.79	1.86	ppb
Sodium	23-2	16585.38	16691.68	16566.10	16614.39	0.41	ppb
Strontium	86-1	293.31	298.53	302.79	298.21	1.59	ppb
Strontium	88-1	300.78	303.95	314.99	306.57	2.43	ppb
Sulfur	34-1	66476.61	66860.50	67861.08	67066.06	1.07	ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	2.46	2.41	2.50	2.46	1.76	ppb
Thallium	205-1	2.46	2.45	2.42	2.44	0.68	ppb
Tin	118-1	268.61	258.75	269.06	265.47	2.19	ppb
Titanium	47-1	1965.24	1877.53	1940.58	1927.78	2.35	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:22:05	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	12.12	11.95	12.00	12.02	0.74	ppb
Vanadium	51-2	306.99	306.84	303.94	305.92	0.56	ppb
Yttrium	89-1				135		%
Yttrium	89-2				137		%
Zinc	66-2	2307.75	2261.30	2228.17	2265.74	1.76	ppb
Zirconium	90-1	70.29	70.10	72.80	71.06	2.12	ppb
Zirconium	91-1	70.78	71.66	72.68	71.71	1.32	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:25:05	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	63947.58	66976.42	64228.53	65050.84	2.57	ppb
Antimony	121-1	2.59	2.57	2.49	2.55	2.09	ppb
Arsenic	75-2	193.87	192.67	196.12	194.22	0.90	ppb
Barium	135-1	1464.63	1464.80	1429.38	1452.94	1.40	ppb
Barium	137-1	1478.66	1481.76	1405.99	1455.47	2.95	ppb
Beryllium	9-1	5.45	5.28	5.17	5.30	2.67	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	48.25	48.38	48.38	48.34	0.15	ppb
Cadmium	106-1	53.61	52.70	50.34	52.21	3.23	ppb
Cadmium	111-1	50.68	50.04	48.71	49.81	2.02	ppb
Calcium	43-1	33439.22	33341.37	33928.60	33569.73	0.94	ppb
Calcium	44-1	31464.19	32245.83	32120.16	31943.40	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1813.02	1797.91	1782.58	1797.84	0.85	ppb
Cobalt	59-2	61.51	63.13	62.50	62.38	1.31	ppb
Copper	63-2	1956.43	1968.99	1943.94	1956.45	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	188946.56	190310.92	187133.91	188797.13	0.84	ppb
Iron	57-2	184683.33	185802.23	181855.39	184113.65	1.10	ppb
Iron	54-2	188735.32	194246.34	185303.43	189428.37	2.38	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:25:05	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2653.71	2717.62	2759.52	2710.28	1.97	ppb
Lead	207-1	2486.67	2594.66	2622.77	2568.03	2.80	ppb
Lead	208-1	2597.00	2651.57	2694.09	2647.55	1.84	ppb
Lithium	6-1				92		%
Magnesium	24-2	36334.15	37108.06	37232.77	36891.66	1.32	ppb
Manganese	55-2	1842.36	1859.24	1812.61	1838.07	1.28	ppb
Molybdenum	94-1	95.99	97.66	100.85	98.16	2.52	ppb
Molybdenum	95-1	13.95	14.13	14.43	14.17	1.71	ppb
Molybdenum	96-1	23.50	24.11	24.26	23.95	1.68	ppb
Molybdenum	97-1	14.25	14.38	14.48	14.37	0.79	ppb
Molybdenum	98-1	14.03	14.00	14.42	14.15	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	308.00	317.82	312.72	312.85	1.57	ppb
Phosphorus	31-2	6284.71	6305.81	6316.04	6302.19	0.25	ppb
Potassium	39-2	13593.79	13858.64	13493.17	13648.53	1.38	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				108		%
Scandium	45-2				110		%
Selenium	82-1	11.44	12.63	12.61	12.22	5.56	ppb
Selenium	77-2	36.90	38.12	35.28	36.76	3.88	ppb
Selenium	78-2	17.38	16.91	16.23	16.84	3.45	ppb
Silicon	28-1	265.58	274.93	268.74	269.75	1.76	ppb
Silver	107-1	47.49	47.83	46.86	47.39	1.05	ppb
Silver	109-1	47.32	47.36	45.93	46.87	1.74	ppb
Sodium	23-2	13027.77	12978.46	12708.86	12905.03	1.33	ppb
Strontium	86-1	283.41	287.36	294.28	288.35	1.91	ppb
Strontium	88-1	295.20	300.30	304.53	300.01	1.56	ppb
Sulfur	34-1	95719.53	99546.98	97263.42	97509.98	1.97	ppb
Terbium	159-1				105		%
Terbium	159-2				108		%
Thallium	203-1	1.95	1.99	1.98	1.97	0.94	ppb
Thallium	205-1	1.89	1.99	1.95	1.95	2.71	ppb
Tin	118-1	130.57	128.30	125.59	128.16	1.95	ppb
Titanium	47-1	1712.56	1766.89	1710.75	1730.07	1.84	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:25:05	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	9.59	9.87	9.93	9.79	1.85	ppb
Vanadium	51-2	288.87	292.53	287.69	289.70	0.87	ppb
Yttrium	89-1				122		%
Yttrium	89-2				122		%
Zinc	66-2	3080.00	3098.71	2982.47	3053.73	2.04	ppb
Zirconium	90-1	47.04	48.19	48.38	47.87	1.52	ppb
Zirconium	91-1	46.29	47.39	49.37	47.69	3.27	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:28:08	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99728.78	97293.33	96840.99	97954.37	1.59	ppb
Antimony	121-1	3.22	3.44	3.24	3.30	3.70	ppb
Arsenic	75-2	240.43	236.57	239.32	238.77	0.83	ppb
Barium	135-1	2050.79	2147.27	2028.71	2075.59	3.04	ppb
Barium	137-1	2009.29	2128.38	2051.94	2063.20	2.92	ppb
Beryllium	9-1	9.21	9.25	9.37	9.28	0.91	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	108.65	116.66	115.15	113.49	3.75	ppb
Cadmium	106-1	113.64	117.27	114.32	115.08	1.68	ppb
Cadmium	111-1	105.23	110.72	107.22	107.72	2.58	ppb
Calcium	43-1	69465.53	69551.76	71928.29	70315.19	1.99	ppb
Calcium	44-1	67616.84	67452.09	69488.86	68185.93	1.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3340.78	3328.76	3389.79	3353.11	0.96	ppb
Cobalt	59-2	110.79	109.21	110.23	110.07	0.72	ppb
Copper	63-2	3469.79	3537.79	3464.34	3490.64	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				108		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	56-2	279285.86	284537.69	284686.56	282836.70	1.09	ppb
Iron	57-2	282018.40	274730.43	280397.45	279048.76	1.37	ppb
Iron	54-2	287026.38	286020.11	287931.63	286992.71	0.33	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:28:08	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3561.33	3789.91	3599.45	3650.23	3.35	ppb
Lead	207-1	3457.89	3515.13	3471.16	3481.39	0.86	ppb
Lead	208-1	3524.41	3588.90	3588.41	3567.24	1.04	ppb
Lithium	6-1				93		%
Magnesium	24-2	67030.91	66015.10	66383.56	66476.52	0.77	ppb
Manganese	55-2	2601.10	2571.86	2543.30	2572.08	1.12	ppb
Molybdenum	94-1	160.15	167.49	163.43	163.69	2.25	ppb
Molybdenum	95-1	32.19	33.93	33.15	33.09	2.62	ppb
Molybdenum	96-1	46.70	49.77	47.89	48.12	3.21	ppb
Molybdenum	97-1	32.36	34.10	33.72	33.39	2.75	ppb
Molybdenum	98-1	32.17	33.47	32.82	32.82	1.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	758.21	745.09	748.75	750.68	0.90	ppb
Phosphorus	31-2	9986.49	10072.29	9977.00	10011.93	0.52	ppb
Potassium	39-2	23718.47	23451.65	23521.91	23564.01	0.59	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				113		%
Scandium	45-2				113		%
Selenium	82-1	16.79	18.31	18.31	17.80	4.93	ppb
Selenium	77-2	59.72	51.20	54.77	55.23	7.75	ppb
Selenium	78-2	21.29	20.39	21.60	21.09	2.99	ppb
Silicon	28-1	263.14	269.65	285.62	272.80	4.24	ppb
Silver	107-1	45.97	47.54	46.23	46.58	1.81	ppb
Silver	109-1	45.10	47.07	45.41	45.86	2.31	ppb
Sodium	23-2	67592.94	67083.93	68261.40	67646.09	0.87	ppb
Strontium	86-1	565.63	592.90	585.69	581.41	2.43	ppb
Strontium	88-1	588.47	618.32	610.19	605.66	2.55	ppb
Sulfur	34-1	144962.31	141834.51	143164.83	143320.55	1.10	ppb
Terbium	159-1				104		%
Terbium	159-2				107		%
Thallium	203-1	2.89	2.87	2.82	2.86	1.20	ppb
Thallium	205-1	2.86	2.96	2.92	2.91	1.71	ppb
Tin	118-1	310.22	321.27	307.57	313.02	2.32	ppb
Titanium	47-1	2577.73	2711.72	2693.57	2661.00	2.73	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:28:08	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	20.39	21.09	20.20	20.56	2.27	ppb
Vanadium	51-2	571.25	568.11	581.81	573.72	1.25	ppb
Yttrium	89-1				130		%
Yttrium	89-2				131		%
Zinc	66-2	5684.95	5602.84	5661.10	5649.63	0.75	ppb
Zirconium	90-1	74.17	77.08	76.34	75.86	2.00	ppb
Zirconium	91-1	74.87	78.36	75.87	76.37	2.35	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:31:10	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	71618.25	71100.00	73783.56	72167.27	1.97	ppb
Antimony	121-1	0.95	0.97	0.99	0.97	2.50	ppb
Arsenic	75-2	106.98	108.46	105.99	107.14	1.16	ppb
Barium	135-1	944.57	984.22	998.09	975.63	2.85	ppb
Barium	137-1	1002.41	1031.90	1033.83	1022.71	1.72	ppb
Beryllium	9-1	6.55	6.92	6.86	6.77	2.97	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	51.50	56.38	55.41	54.43	4.75	ppb
Cadmium	106-1	57.38	55.46	57.86	56.90	2.23	ppb
Cadmium	111-1	46.26	47.49	47.77	47.17	1.70	ppb
Calcium	43-1	39775.70	39649.01	40233.34	39886.02	0.77	ppb
Calcium	44-1	38990.43	38592.95	38859.22	38814.20	0.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1407.57	1425.75	1433.77	1422.36	0.94	ppb
Cobalt	59-2	78.87	77.96	79.09	78.64	0.77	ppb
Copper	63-2	1826.47	1846.93	1826.32	1833.24	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				106		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	211571.54	212703.77	210656.09	211643.80	0.48	ppb
Iron	57-2	208718.99	208088.97	208028.02	208278.66	0.18	ppb
Iron	54-2	212154.61	214436.49	211761.50	212784.20	0.68	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:31:10	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4259.89	4408.93	4184.48	4284.43	2.67	ppb
Lead	207-1	4082.36	4074.46	4168.64	4108.48	1.27	ppb
Lead	208-1	4097.14	4191.53	4202.71	4163.80	1.39	ppb
Lithium	6-1				90		%
Magnesium	24-2	52668.95	51986.28	52717.66	52457.63	0.78	ppb
Manganese	55-2	1959.04	1960.37	1995.06	1971.49	1.04	ppb
Molybdenum	94-1	128.31	126.37	126.18	126.95	0.93	ppb
Molybdenum	95-1	23.23	23.39	23.19	23.27	0.44	ppb
Molybdenum	96-1	35.01	34.96	35.53	35.17	0.89	ppb
Molybdenum	97-1	24.06	23.75	24.18	23.99	0.93	ppb
Molybdenum	98-1	23.52	23.25	23.36	23.38	0.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	436.07	431.51	432.20	433.26	0.57	ppb
Phosphorus	31-2	5451.40	5514.56	5502.29	5489.42	0.61	ppb
Potassium	39-2	18332.28	18361.92	18078.22	18257.47	0.85	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				107		%
Scandium	45-2				109		%
Selenium	82-1	10.58	10.22	10.87	10.56	3.05	ppb
Selenium	77-2	36.14	38.35	30.68	35.05	11.26	ppb
Selenium	78-2	14.91	11.71	14.56	13.73	12.79	ppb
Silicon	28-1	78.91	69.50	99.71	82.70	18.69	ppb
Silver	107-1	41.68	43.50	43.40	42.86	2.39	ppb
Silver	109-1	41.17	42.90	43.06	42.38	2.47	ppb
Sodium	23-2	66618.41	65639.57	64607.96	65621.98	1.53	ppb
Strontium	86-1	290.22	286.43	285.42	287.36	0.88	ppb
Strontium	88-1	299.41	293.27	300.06	297.58	1.26	ppb
Sulfur	34-1	114135.69	114310.40	114623.97	114356.69	0.22	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	1.82	1.87	1.82	1.84	1.42	ppb
Thallium	205-1	1.83	1.87	1.87	1.85	1.37	ppb
Tin	118-1	241.77	247.80	252.81	247.46	2.23	ppb
Titanium	47-1	1972.78	1947.69	1907.27	1942.58	1.70	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:31:10	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	10.62	11.02	10.88	10.84	1.89	ppb
Vanadium	51-2	284.09	283.79	287.17	285.02	0.66	ppb
Yttrium	89-1				121		%
Yttrium	89-2				122		%
Zinc	66-2	3470.86	3378.93	3429.78	3426.52	1.34	ppb
Zirconium	90-1	61.15	60.55	60.22	60.64	0.77	ppb
Zirconium	91-1	61.10	61.42	60.43	60.98	0.83	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:34:18	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85977.16	85202.79	84965.53	85381.83	0.62	ppb
Antimony	121-1	1.24	1.29	1.28	1.27	2.30	ppb
Arsenic	75-2	221.09	225.72	223.54	223.45	1.04	ppb
Barium	135-1	1627.75	1692.21	1637.17	1652.38	2.11	ppb
Barium	137-1	1631.53	1644.71	1631.22	1635.82	0.47	ppb
Beryllium	9-1	6.21	6.55	6.47	6.41	2.79	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	58.74	60.47	61.43	60.21	2.27	ppb
Cadmium	106-1	63.39	60.68	59.95	61.34	2.95	ppb
Cadmium	111-1	57.92	58.32	57.48	57.91	0.73	ppb
Calcium	43-1	34144.51	34454.25	35382.87	34660.54	1.86	ppb
Calcium	44-1	33033.06	33698.23	34422.80	33718.03	2.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2104.99	2098.58	2174.57	2126.04	1.98	ppb
Cobalt	59-2	73.11	72.14	72.40	72.55	0.70	ppb
Copper	63-2	2312.15	2278.09	2354.64	2314.96	1.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	240464.59	234968.87	242096.10	239176.52	1.56	ppb
Iron	57-2	235945.64	227048.98	229188.13	230727.58	2.01	ppb
Iron	54-2	241447.68	238912.40	236620.20	238993.43	1.01	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:34:18	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2791.78	2783.16	2834.41	2803.12	0.98	ppb
Lead	207-1	2674.49	2748.26	2726.52	2716.42	1.40	ppb
Lead	208-1	2756.40	2779.45	2837.57	2791.14	1.50	ppb
Lithium	6-1				89		%
Magnesium	24-2	48205.04	47352.31	48092.18	47883.18	0.97	ppb
Manganese	55-2	2237.79	2189.86	2233.08	2220.24	1.19	ppb
Molybdenum	94-1	113.36	115.11	114.75	114.41	0.81	ppb
Molybdenum	95-1	13.68	13.91	14.04	13.88	1.31	ppb
Molybdenum	96-1	25.59	25.67	25.50	25.59	0.32	ppb
Molybdenum	97-1	14.01	14.26	13.94	14.07	1.20	ppb
Molybdenum	98-1	13.66	13.75	13.78	13.73	0.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	341.34	336.06	342.46	339.95	1.01	ppb
Phosphorus	31-2	11946.54	11908.55	11808.41	11887.83	0.60	ppb
Potassium	39-2	18463.25	18751.79	18545.99	18587.01	0.80	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				108		%
Scandium	45-2				109		%
Selenium	82-1	13.57	13.97	13.55	13.70	1.73	ppb
Selenium	77-2	46.77	45.64	42.03	44.81	5.52	ppb
Selenium	78-2	17.19	18.07	16.92	17.40	3.45	ppb
Silicon	28-1	72.42	67.21	76.21	71.95	6.28	ppb
Silver	107-1	44.42	45.26	45.14	44.94	1.01	ppb
Silver	109-1	44.09	44.49	44.78	44.45	0.78	ppb
Sodium	23-2	54832.69	54550.18	54829.67	54737.51	0.30	ppb
Strontium	86-1	387.82	395.62	389.21	390.88	1.06	ppb
Strontium	88-1	403.30	418.93	406.22	409.48	2.03	ppb
Sulfur	34-1	101976.24	107686.22	106943.56	105535.34	2.94	ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	2.30	2.50	2.34	2.38	4.45	ppb
Thallium	205-1	2.32	2.43	2.34	2.36	2.37	ppb
Tin	118-1	233.71	232.81	231.16	232.56	0.56	ppb
Titanium	47-1	1827.14	1876.71	1937.51	1880.45	2.94	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:34:18	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	9.89	9.97	10.16	10.01	1.40	ppb
Vanadium	51-2	367.44	367.83	371.52	368.93	0.61	ppb
Yttrium	89-1				123		%
Yttrium	89-2				123		%
Zinc	66-2	3173.04	3149.13	3238.65	3186.94	1.45	ppb
Zirconium	90-1	57.38	58.13	57.30	57.61	0.80	ppb
Zirconium	91-1	57.82	58.44	57.47	57.91	0.84	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:41:36	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87281.69	87564.16	87068.77	87304.87	0.28	ppb
Antimony	121-1	1.67	1.74	1.65	1.69	2.63	ppb
Arsenic	75-2	218.28	224.62	223.74	222.22	1.54	ppb
Barium	135-1	1650.18	1731.96	1665.35	1682.50	2.59	ppb
Barium	137-1	1652.87	1710.39	1633.76	1665.67	2.39	ppb
Beryllium	9-1	6.59	6.57	6.28	6.48	2.68	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	57.53	60.20	58.77	58.84	2.27	ppb
Cadmium	106-1	61.29	61.45	58.17	60.30	3.07	ppb
Cadmium	111-1	57.62	60.41	56.63	58.22	3.37	ppb
Calcium	43-1	35239.28	35844.64	35477.79	35520.57	0.86	ppb
Calcium	44-1	34420.86	34353.69	34169.61	34314.72	0.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2156.17	2154.20	2156.52	2155.63	0.06	ppb
Cobalt	59-2	73.27	73.79	73.71	73.59	0.38	ppb
Copper	63-2	2305.78	2335.18	2337.94	2326.30	0.77	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				108		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	239761.24	240732.35	242082.17	240858.59	0.48	ppb
Iron	57-2	241887.45	238646.01	236565.22	239032.89	1.12	ppb
Iron	54-2	237036.57	239586.63	243096.08	239906.43	1.27	ppb
Krypton	83-1						cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:41:36	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2927.96	2950.90	2907.78	2928.88	0.74	ppb
Lead	207-1	2905.57	2823.07	2877.35	2868.66	1.46	ppb
Lead	208-1	2892.08	2864.17	2880.46	2878.90	0.49	ppb
Lithium	6-1				92		%
Magnesium	24-2	49249.97	47783.74	49454.78	48829.49	1.87	ppb
Manganese	55-2	2264.83	2266.40	2240.66	2257.30	0.64	ppb
Molybdenum	94-1	117.73	118.77	118.10	118.20	0.45	ppb
Molybdenum	95-1	14.08	14.13	14.27	14.16	0.71	ppb
Molybdenum	96-1	26.18	26.40	26.46	26.35	0.56	ppb
Molybdenum	97-1	14.29	14.67	14.45	14.47	1.34	ppb
Molybdenum	98-1	14.24	14.37	14.20	14.27	0.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	347.73	350.04	350.24	349.34	0.40	ppb
Phosphorus	31-2	12085.61	11794.24	11932.44	11937.43	1.22	ppb
Potassium	39-2	19096.51	18546.28	19301.55	18981.45	2.06	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				110		%
Scandium	45-2				112		%
Selenium	82-1	13.40	13.71	13.81	13.64	1.57	ppb
Selenium	77-2	38.33	45.97	46.65	43.65	10.58	ppb
Selenium	78-2	17.79	18.68	20.90	19.12	8.38	ppb
Silicon	28-1	231.77	203.36	211.97	215.70	6.75	ppb
Silver	107-1	44.39	45.83	44.29	44.84	1.92	ppb
Silver	109-1	43.35	44.89	43.58	43.94	1.89	ppb
Sodium	23-2	55357.85	55890.95	55938.99	55729.26	0.58	ppb
Strontium	86-1	394.69	396.37	393.01	394.69	0.42	ppb
Strontium	88-1	409.51	413.53	416.95	413.33	0.90	ppb
Sulfur	34-1	108479.02	107817.04	108596.62	108297.56	0.39	ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	2.39	2.44	2.51	2.44	2.44	ppb
Thallium	205-1	2.44	2.47	2.42	2.44	1.14	ppb
Tin	118-1	220.29	227.38	220.94	222.87	1.76	ppb
Titanium	47-1	1989.26	1978.65	1980.46	1982.79	0.29	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:41:36	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	10.38	10.44	10.42	10.41	0.31	ppb
Vanadium	51-2	370.06	368.13	372.47	370.22	0.59	ppb
Yttrium	89-1				126		%
Yttrium	89-2				127		%
Zinc	66-2	3282.88	3211.26	3136.54	3210.23	2.28	ppb
Zirconium	90-1	58.94	60.11	59.09	59.38	1.07	ppb
Zirconium	91-1	59.39	59.28	59.47	59.38	0.16	ppb

Reviewed By:jaswal
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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 17:44:38	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18320.26	18315.05	18422.91	18352.74	0.33	ppb
Antimony	121-1	0.24	0.24	0.28	0.25	9.21	ppb
Arsenic	75-2	51.37	51.21	50.39	50.99	1.03	ppb
Barium	135-1	307.33	309.33	302.35	306.34	1.17	ppb
Barium	137-1	304.27	310.78	302.83	305.96	1.38	ppb
Beryllium	9-1	1.39	1.25	1.23	1.29	6.48	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.43	12.54	11.94	11.97	4.65	ppb
Cadmium	106-1	10.89	11.47	10.79	11.05	3.31	ppb
Cadmium	111-1	11.59	11.52	11.37	11.49	0.98	ppb
Calcium	43-1	7433.55	7576.77	7482.97	7497.76	0.97	ppb
Calcium	44-1	7310.43	7190.58	7355.04	7285.35	1.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	447.93	452.72	456.49	452.38	0.95	ppb
Cobalt	59-2	15.51	15.57	15.74	15.61	0.74	ppb
Copper	63-2	495.90	494.52	496.18	495.53	0.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	50396.97	50244.12	50444.51	50361.86	0.21	ppb
Iron	57-2	51227.08	49034.70	49001.09	49754.29	2.56	ppb
Iron	54-2	50652.37	51959.58	50884.97	51165.64	1.36	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 17:44:38	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	585.72	587.64	580.48	584.61	0.63	ppb
Lead	207-1	563.01	573.63	549.00	561.88	2.20	ppb
Lead	208-1	571.92	581.68	566.64	573.41	1.33	ppb
Lithium	6-1				89		%
Magnesium	24-2	10168.36	10267.13	10353.18	10262.89	0.90	ppb
Manganese	55-2	467.33	466.59	472.05	468.65	0.63	ppb
Molybdenum	94-1	25.92	25.52	25.97	25.80	0.96	ppb
Molybdenum	95-1	3.13	3.06	3.25	3.15	3.10	ppb
Molybdenum	96-1	5.87	5.62	5.81	5.77	2.25	ppb
Molybdenum	97-1	3.22	3.10	3.38	3.23	4.26	ppb
Molybdenum	98-1	3.14	3.00	3.21	3.12	3.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	72.79	73.20	74.18	73.39	0.98	ppb
Phosphorus	31-2	2500.55	2568.50	2579.97	2549.67	1.68	ppb
Potassium	39-2	3992.23	4033.25	3972.78	3999.42	0.77	ppb
Rhodium	103-1				97		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	3.02	3.51	3.68	3.41	10.03	ppb
Selenium	77-2	12.80	10.07	10.19	11.02	14.01	ppb
Selenium	78-2	3.83	3.84	5.45	4.38	21.30	ppb
Silicon	28-1	16.86	18.53	20.63	18.68	10.12	ppb
Silver	107-1	8.99	9.05	8.98	9.01	0.43	ppb
Silver	109-1	8.74	8.77	8.75	8.76	0.17	ppb
Sodium	23-2	11625.00	11957.65	12201.00	11927.88	2.42	ppb
Strontium	86-1	89.19	89.02	91.01	89.74	1.23	ppb
Strontium	88-1	89.81	89.10	90.60	89.84	0.84	ppb
Sulfur	34-1	20954.87	21337.32	21648.74	21313.65	1.63	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.50	0.50	0.50	0.50	0.68	ppb
Thallium	205-1	0.48	0.49	0.48	0.48	1.01	ppb
Tin	118-1	45.06	46.43	44.93	45.47	1.83	ppb
Titanium	47-1	386.30	395.89	395.51	392.57	1.38	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 17:44:38	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.08	2.05	1.99	2.04	2.47	ppb
Vanadium	51-2	77.17	77.71	78.49	77.79	0.85	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	688.08	691.65	697.54	692.42	0.69	ppb
Zirconium	90-1	13.07	12.94	13.23	13.08	1.10	ppb
Zirconium	91-1	13.32	13.16	13.38	13.29	0.84	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:59:55	DataFile Name :	099CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49852.90	50783.59	50338.88	50325.12	0.92	ppb
Antimony	121-1	495.37	485.49	490.35	490.40	1.01	ppb
Arsenic	75-2	479.56	484.62	486.61	483.60	0.75	ppb
Barium	135-1	2474.01	2459.35	2580.87	2504.74	2.65	ppb
Barium	137-1	2419.58	2449.55	2496.93	2455.35	1.59	ppb
Beryllium	9-1	507.30	517.46	515.77	513.51	1.06	ppb
Bismuth	209-1				94		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	456.35	465.58	469.74	463.89	1.48	ppb
Cadmium	106-1	462.33	457.66	473.59	464.53	1.76	ppb
Cadmium	111-1	465.24	459.68	479.02	467.98	2.13	ppb
Calcium	43-1	248709.58	256734.24	252672.10	252705.31	1.59	ppb
Calcium	44-1	249001.81	260434.19	254219.49	254551.83	2.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	497.98	490.17	492.35	493.50	0.82	ppb
Cobalt	59-2	492.73	495.59	497.84	495.38	0.52	ppb
Copper	63-2	4964.08	4901.66	4935.24	4933.66	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	131972.32	132185.91	131839.27	131999.17	0.13	ppb
Iron	57-2	131779.74	132995.29	126708.18	130494.41	2.56	ppb
Iron	54-2	131693.10	130998.99	129683.50	130791.86	0.78	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:59:55	DataFile Name :	099CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2571.31	2547.24	2602.02	2573.52	1.07	ppb
Lead	207-1	2475.49	2456.06	2633.71	2521.75	3.86	ppb
Lead	208-1	2524.92	2511.87	2604.11	2546.97	1.96	ppb
Lithium	6-1				85		%
Magnesium	24-2	258855.22	253605.23	255227.92	255896.12	1.05	ppb
Manganese	55-2	5056.00	5050.04	5007.61	5037.88	0.52	ppb
Molybdenum	94-1	4824.91	4953.23	5081.43	4953.19	2.59	ppb
Molybdenum	95-1	4869.43	5008.40	4969.97	4949.27	1.45	ppb
Molybdenum	96-1	4883.20	4951.36	5008.80	4947.79	1.27	ppb
Molybdenum	97-1	4804.55	4966.41	5073.81	4948.26	2.74	ppb
Molybdenum	98-1	4869.37	5030.52	5032.77	4977.56	1.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.51	481.36	480.82	481.23	0.08	ppb
Phosphorus	31-2	9916.48	9821.41	9819.60	9852.50	0.56	ppb
Potassium	39-2	124498.43	125075.48	125940.89	125171.60	0.58	ppb
Rhodium	103-1				93		%
Rhodium	103-2				93		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	462.57	469.74	476.21	469.51	1.45	ppb
Selenium	77-2	484.34	483.42	491.19	486.31	0.87	ppb
Selenium	78-2	452.55	473.11	467.21	464.29	2.28	ppb
Silicon	28-1	514.53	535.28	519.73	523.18	2.06	ppb
Silver	107-1	489.66	473.80	490.01	484.49	1.91	ppb
Silver	109-1	482.17	478.99	480.46	480.54	0.33	ppb
Sodium	23-2	253648.29	250531.48	250653.62	251611.13	0.70	ppb
Strontium	86-1	480.97	493.96	488.45	487.79	1.34	ppb
Strontium	88-1	511.42	509.94	510.72	510.69	0.14	ppb
Sulfur	34-1	9231.44	9866.21	9618.91	9572.19	3.34	ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	509.25	507.53	524.05	513.61	1.77	ppb
Thallium	205-1	511.39	510.10	508.52	510.00	0.28	ppb
Tin	118-1	494.18	487.04	503.01	494.74	1.62	ppb
Titanium	47-1	5100.68	5199.14	4969.61	5089.81	2.26	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:59:55	DataFile Name :	099CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	496.37	495.06	517.88	503.10	2.55	ppb
Vanadium	51-2	503.65	504.46	501.15	503.09	0.34	ppb
Yttrium	89-1				97		%
Yttrium	89-2				96		%
Zinc	66-2	4946.39	4821.93	4851.32	4873.21	1.34	ppb
Zirconium	90-1	492.28	509.42	506.88	502.86	1.84	ppb
Zirconium	91-1	479.17	497.27	494.24	490.23	1.98	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:10:33	DataFile Name :	100CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.46	-0.33	-0.22	-0.03		ppb
Antimony	121-1	0.04	0.03	0.04	0.04	22.01	ppb
Arsenic	75-2	-0.01	-0.02	-0.03	-0.02		ppb
Barium	135-1	-0.02	-0.02	-0.02	-0.02		ppb
Barium	137-1	-0.02	0.00	-0.01	-0.01		ppb
Beryllium	9-1	0.00	-0.01	0.01	0.00		ppb
Bismuth	209-1				95		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.13	0.02	-0.05	-0.06		ppb
Cadmium	106-1	-3.68	-4.41	-3.94	-4.01		ppb
Cadmium	111-1	-0.26	-0.32	-0.28	-0.29		ppb
Calcium	43-1	0.96	-1.09	-4.61	-1.58		ppb
Calcium	44-1	5.61	3.67	6.58	5.29	27.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.08	-0.02	-0.04		ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.07	0.06	0.04	0.06	23.89	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				97		%
Holmium	165-2				97		%
Indium	115-1				94		%
Indium	115-2				92		%
Iron	56-2	3.58	1.77	1.83	2.39	43.15	ppb
Iron	57-2	4.75	3.95	3.95	4.22	11.05	ppb
Iron	54-2	1.73	3.59	1.82	2.38	44.13	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:10:33	DataFile Name :	100CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.05	0.03	0.05	26.29	ppb
Lead	207-1	0.07	0.05	0.06	0.06	17.63	ppb
Lead	208-1	0.06	0.05	0.05	0.05	14.62	ppb
Lithium	6-1				82		%
Magnesium	24-2	0.05	0.32	0.41	0.26	72.27	ppb
Manganese	55-2	-0.01	-0.02	-0.03	-0.02		ppb
Molybdenum	94-1	-0.01	0.00	0.02	0.00	317.86	ppb
Molybdenum	95-1	0.04	0.03	0.01	0.03	47.71	ppb
Molybdenum	96-1	0.01	0.00	-0.01	0.00		ppb
Molybdenum	97-1	0.01	0.04	-0.01	0.01	221.95	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	1259.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.23	-0.21	-0.18	-0.21		ppb
Phosphorus	31-2	-56.90	-60.03	-58.88	-58.60		ppb
Potassium	39-2	25.59	21.72	16.10	21.13	22.57	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	82-1	-0.10	-0.04	-0.68	-0.27		ppb
Selenium	77-2	-0.16	-0.16	-0.16	-0.16		ppb
Selenium	78-2	1.21	-0.42	0.41	0.40	203.96	ppb
Silicon	28-1	0.13	-0.56	0.16	-0.09		ppb
Silver	107-1	0.00	0.01	0.00	0.00	112.94	ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	71.04	70.49	71.69	71.08	0.85	ppb
Strontium	86-1	0.04	0.02	0.07	0.04	56.68	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	21.86	ppb
Sulfur	34-1	55.44	-201.70	74.42	-23.95		ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	-0.01	-0.01	0.00	-0.01		ppb
Tin	118-1	0.06	0.11	0.08	0.08	34.61	ppb
Titanium	47-1	-0.03	0.01	0.03	0.00	676.44	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:10:33	DataFile Name :	100CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	3324.57	ppb
Yttrium	89-1				93		%
Yttrium	89-2				93		%
Zinc	66-2	0.35	0.22	0.28	0.28	22.29	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	42.74	ppb
Zirconium	91-1	0.00	0.01	0.00	0.00	443.93	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:15:26	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	96011.76	98071.82	95956.73	96680.10	1.25	ppb
Antimony	121-1	458.69	458.91	463.88	460.49	0.64	ppb
Arsenic	75-2	687.67	666.81	672.42	675.63	1.60	ppb
Barium	135-1	4855.53	5002.51	4853.65	4903.90	1.74	ppb
Barium	137-1	4812.43	4962.92	4888.86	4888.07	1.54	ppb
Beryllium	9-1	456.61	464.33	470.05	463.66	1.45	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	508.13	529.32	522.40	519.95	2.08	ppb
Cadmium	106-1	532.43	535.00	531.31	532.92	0.35	ppb
Cadmium	111-1	524.96	536.10	535.37	532.14	1.17	ppb
Calcium	43-1	94420.46	98068.42	95078.98	95855.95	2.03	ppb
Calcium	44-1	92860.55	94204.05	92841.94	93302.18	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3029.27	3010.86	3101.28	3047.13	1.57	ppb
Cobalt	59-2	526.46	513.73	532.27	524.15	1.81	ppb
Copper	63-2	6833.95	6891.37	7004.75	6910.02	1.26	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				101		%
Holmium	165-2				103		%
Indium	115-1				94		%
Indium	115-2				92		%
Iron	56-2	260862.54	258951.53	266761.94	262192.00	1.55	ppb
Iron	57-2	266100.51	263376.97	263819.88	264432.45	0.55	ppb
Iron	54-2	267704.04	267792.64	270633.82	268710.16	0.62	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:15:26	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	6654.13	6607.88	7021.21	6761.07	3.35	ppb
Lead	207-1	6422.09	6492.93	6625.19	6513.40	1.58	ppb
Lead	208-1	6518.75	6668.14	6690.98	6625.96	1.41	ppb
Lithium	6-1				89		%
Magnesium	24-2	111658.26	109094.55	110901.87	110551.56	1.19	ppb
Manganese	55-2	6126.35	5963.01	6184.02	6091.13	1.88	ppb
Molybdenum	94-1	1820.37	1823.96	1853.68	1832.67	1.00	ppb
Molybdenum	95-1	1293.50	1318.73	1323.51	1311.91	1.23	ppb
Molybdenum	96-1	1367.91	1381.65	1408.45	1386.00	1.49	ppb
Molybdenum	97-1	1333.54	1316.19	1342.48	1330.74	1.00	ppb
Molybdenum	98-1	1298.99	1339.95	1332.02	1323.65	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1031.66	1038.89	1045.17	1038.58	0.65	ppb
Phosphorus	31-2	13034.50	12812.44	12804.97	12883.97	1.01	ppb
Potassium	39-2	39628.40	38616.31	38849.08	39031.26	1.36	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				107		%
Scandium	45-2				108		%
Selenium	82-1	373.73	372.79	383.15	376.56	1.52	ppb
Selenium	77-2	414.98	415.74	406.49	412.40	1.25	ppb
Selenium	78-2	390.81	389.98	379.21	386.67	1.67	ppb
Silicon	28-1	62.18	66.70	88.69	72.52	19.55	ppb
Silver	107-1	102.65	104.79	104.04	103.83	1.05	ppb
Silver	109-1	101.06	103.83	104.04	102.98	1.61	ppb
Sodium	23-2	114488.72	113905.84	112467.98	113620.85	0.92	ppb
Strontium	86-1	926.92	920.53	936.21	927.89	0.85	ppb
Strontium	88-1	915.49	927.93	948.56	930.66	1.80	ppb
Sulfur	34-1	115798.35	119338.48	120160.18	118432.34	1.96	ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	407.86	435.58	427.14	423.53	3.35	ppb
Thallium	205-1	415.38	438.12	434.82	429.44	2.86	ppb
Tin	118-1	717.24	735.35	744.67	732.42	1.90	ppb
Titanium	47-1	2064.58	2169.80	2095.21	2109.86	2.57	ppb

Reviewed By:jaswal
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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:15:26	DataFile Name :	101SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	410.00	427.83	414.60	417.48	2.22	ppb
Vanadium	51-2	934.66	894.67	905.62	911.65	2.27	ppb
Yttrium	89-1				123		%
Yttrium	89-2				121		%
Zinc	66-2	8957.06	8872.04	9119.48	8982.86	1.40	ppb
Zirconium	90-1	421.53	410.65	430.42	420.86	2.35	ppb
Zirconium	91-1	408.48	410.05	419.10	412.54	1.39	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:18:14	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	97886.76	97095.97	95936.54	96973.09	1.01	ppb
Antimony	121-1	476.57	478.01	479.15	477.91	0.27	ppb
Arsenic	75-2	670.91	681.04	670.25	674.07	0.90	ppb
Barium	135-1	4932.01	5008.90	4972.39	4971.10	0.77	ppb
Barium	137-1	4981.28	4867.24	5011.92	4953.48	1.54	ppb
Beryllium	9-1	451.83	447.39	451.88	450.37	0.57	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	533.09	533.06	527.55	531.24	0.60	ppb
Cadmium	106-1	548.31	551.26	552.54	550.70	0.39	ppb
Cadmium	111-1	539.55	540.06	550.53	543.38	1.14	ppb
Calcium	43-1	97734.66	97011.07	90513.52	95086.42	4.18	ppb
Calcium	44-1	96007.68	94431.17	93830.56	94756.47	1.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3096.87	3061.82	3096.53	3085.07	0.65	ppb
Cobalt	59-2	519.76	521.87	527.26	522.96	0.74	ppb
Copper	63-2	6901.10	6838.17	7010.70	6916.66	1.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	264855.29	265147.58	265430.10	265144.32	0.11	ppb
Iron	57-2	265851.86	264855.85	262974.79	264560.83	0.55	ppb
Iron	54-2	267231.49	264783.17	272059.59	268024.75	1.38	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:18:14	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	6736.25	6848.91	6655.10	6746.75	1.44	ppb
Lead	207-1	6414.94	6429.42	6480.06	6441.47	0.53	ppb
Lead	208-1	6607.97	6628.71	6623.87	6620.18	0.16	ppb
Lithium	6-1				92		%
Magnesium	24-2	110894.94	109258.33	112051.79	110735.02	1.27	ppb
Manganese	55-2	6138.40	6047.58	6151.72	6112.57	0.93	ppb
Molybdenum	94-1	1839.35	1867.95	1847.42	1851.57	0.80	ppb
Molybdenum	95-1	1341.91	1347.81	1311.46	1333.73	1.46	ppb
Molybdenum	96-1	1379.48	1421.84	1352.40	1384.57	2.53	ppb
Molybdenum	97-1	1319.58	1352.54	1319.54	1330.56	1.43	ppb
Molybdenum	98-1	1313.72	1361.54	1326.64	1333.97	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1033.14	1039.69	1042.74	1038.53	0.47	ppb
Phosphorus	31-2	12960.67	12749.01	12848.87	12852.85	0.82	ppb
Potassium	39-2	38985.14	38750.99	39320.57	39018.90	0.73	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				108		%
Scandium	45-2				109		%
Selenium	82-1	377.89	382.97	374.66	378.51	1.11	ppb
Selenium	77-2	413.42	415.61	399.22	409.42	2.17	ppb
Selenium	78-2	377.84	394.64	386.86	386.45	2.18	ppb
Silicon	28-1	74.94	70.69	73.49	73.04	2.96	ppb
Silver	107-1	109.31	106.93	109.41	108.55	1.29	ppb
Silver	109-1	106.14	106.32	108.90	107.12	1.44	ppb
Sodium	23-2	112981.89	113798.92	115641.31	114140.71	1.19	ppb
Strontium	86-1	916.05	956.61	941.79	938.15	2.19	ppb
Strontium	88-1	921.51	949.63	935.87	935.67	1.50	ppb
Sulfur	34-1	119189.62	122146.13	116341.99	119225.92	2.43	ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	408.84	413.00	415.60	412.48	0.83	ppb
Thallium	205-1	435.02	411.51	413.36	419.96	3.11	ppb
Tin	118-1	742.81	741.30	730.76	738.29	0.89	ppb
Titanium	47-1	2103.09	2201.06	2064.43	2122.86	3.32	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:18:14	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	415.53	400.23	411.41	409.06	1.94	ppb
Vanadium	51-2	906.78	901.94	885.74	898.15	1.23	ppb
Yttrium	89-1				124		%
Yttrium	89-2				123		%
Zinc	66-2	8938.37	8983.80	9096.32	9006.17	0.90	ppb
Zirconium	90-1	417.75	428.32	417.74	421.27	1.45	ppb
Zirconium	91-1	415.02	420.38	409.96	415.12	1.26	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02A	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:21:00	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89780.77	88589.54	90204.75	89525.02	0.94	ppb
Antimony	121-1	473.69	482.25	480.44	478.80	0.94	ppb
Arsenic	75-2	611.88	616.19	625.98	618.01	1.17	ppb
Barium	135-1	3681.78	3642.06	3730.59	3684.81	1.20	ppb
Barium	137-1	3526.22	3592.08	3741.92	3620.07	3.05	ppb
Beryllium	9-1	458.74	455.78	451.33	455.28	0.82	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	486.98	493.84	492.66	491.16	0.75	ppb
Cadmium	106-1	505.43	507.51	512.59	508.51	0.73	ppb
Cadmium	111-1	502.89	508.24	507.82	506.32	0.59	ppb
Calcium	43-1	79362.29	78748.27	78316.26	78808.94	0.67	ppb
Calcium	44-1	75716.16	76470.20	75564.83	75917.06	0.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2410.81	2423.20	2449.49	2427.83	0.81	ppb
Cobalt	59-2	502.82	504.95	492.07	499.94	1.38	ppb
Copper	63-2	6252.38	6217.61	6249.70	6239.90	0.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	245989.30	247195.58	247262.70	246815.86	0.29	ppb
Iron	57-2	240309.64	236485.81	236060.66	237618.71	0.98	ppb
Iron	54-2	246675.64	246426.54	247172.05	246758.08	0.15	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02A	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:21:00	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5123.04	5005.72	5252.03	5126.93	2.40	ppb
Lead	207-1	4816.01	4961.83	5034.01	4937.28	2.25	ppb
Lead	208-1	4920.71	4987.98	5166.37	5025.02	2.53	ppb
Lithium	6-1				91		%
Magnesium	24-2	92604.15	92587.61	91465.53	92219.10	0.71	ppb
Manganese	55-2	6263.84	6231.33	6139.37	6211.51	1.04	ppb
Molybdenum	94-1	1876.14	1895.93	1887.57	1886.55	0.53	ppb
Molybdenum	95-1	1344.62	1443.01	1384.28	1390.64	3.56	ppb
Molybdenum	96-1	1435.48	1478.35	1411.20	1441.68	2.36	ppb
Molybdenum	97-1	1376.81	1386.57	1363.53	1375.64	0.84	ppb
Molybdenum	98-1	1338.58	1365.71	1379.47	1361.26	1.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	728.35	738.03	730.08	732.16	0.71	ppb
Phosphorus	31-2	11262.90	11332.48	11433.19	11342.86	0.75	ppb
Potassium	39-2	36486.15	37180.95	37723.81	37130.30	1.67	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	82-1	380.47	392.52	384.95	385.98	1.58	ppb
Selenium	77-2	396.83	424.73	414.99	412.18	3.44	ppb
Selenium	78-2	400.75	381.88	404.80	395.81	3.09	ppb
Silicon	28-1	138.59	131.21	142.52	137.44	4.18	ppb
Silver	107-1	113.39	115.14	115.79	114.77	1.09	ppb
Silver	109-1	112.55	112.21	113.51	112.76	0.59	ppb
Sodium	23-2	99438.32	98465.65	98496.91	98800.29	0.56	ppb
Strontium	86-1	801.36	844.36	826.86	824.19	2.62	ppb
Strontium	88-1	815.51	834.03	823.85	824.46	1.12	ppb
Sulfur	34-1	100650.95	99370.40	102944.56	100988.63	1.79	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	461.36	453.75	465.51	460.21	1.30	ppb
Thallium	205-1	461.50	454.31	465.42	460.41	1.22	ppb
Tin	118-1	637.32	641.74	646.85	641.97	0.74	ppb
Titanium	47-1	1857.19	1813.05	1853.15	1841.13	1.33	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02A	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:21:00	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	439.62	438.42	439.19	439.08	0.14	ppb
Vanadium	51-2	791.82	791.49	785.27	789.53	0.47	ppb
Yttrium	89-1				121		%
Yttrium	89-2				119		%
Zinc	66-2	7090.01	7143.41	6966.23	7066.55	1.29	ppb
Zirconium	90-1	416.82	428.75	427.14	424.24	1.53	ppb
Zirconium	91-1	409.62	419.51	419.30	416.14	1.36	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:23:49	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	107556.04	110023.78	109921.97	109167.26	1.28	ppb
Antimony	121-1	1.59	1.57	1.68	1.62	3.67	ppb
Arsenic	75-2	338.10	340.02	338.68	338.93	0.29	ppb
Barium	135-1	3221.82	3405.69	3277.63	3301.71	2.86	ppb
Barium	137-1	3334.36	3359.65	3327.68	3340.56	0.50	ppb
Beryllium	9-1	8.03	8.44	8.28	8.25	2.54	ppb
Bismuth	209-1				110		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	49.30	50.95	49.76	50.01	1.70	ppb
Cadmium	106-1	53.87	54.75	54.71	54.44	0.91	ppb
Cadmium	111-1	47.69	49.18	48.37	48.41	1.53	ppb
Calcium	43-1	49824.11	50575.92	50054.73	50151.59	0.77	ppb
Calcium	44-1	47829.50	48074.07	48282.08	48061.88	0.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1452.21	1497.89	1482.94	1477.68	1.58	ppb
Cobalt	59-2	93.77	96.55	95.52	95.28	1.48	ppb
Copper	63-2	2702.62	2675.09	2638.11	2671.94	1.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	306260.92	313425.14	301210.58	306965.55	2.00	ppb
Iron	57-2	290797.75	299965.20	304054.79	298272.58	2.28	ppb
Iron	54-2	301888.66	308271.89	296477.50	302212.68	1.95	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:23:49	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4389.24	4454.21	4569.22	4470.89	2.04	ppb
Lead	207-1	4264.19	4150.59	4319.56	4244.78	2.03	ppb
Lead	208-1	4303.31	4293.57	4453.82	4350.23	2.07	ppb
Lithium	6-1				93		%
Magnesium	24-2	63501.89	64493.21	62471.42	63488.84	1.59	ppb
Manganese	55-2	2933.65	2946.39	2932.79	2937.61	0.26	ppb
Molybdenum	94-1	137.26	132.09	140.74	136.70	3.18	ppb
Molybdenum	95-1	12.06	11.80	12.63	12.17	3.50	ppb
Molybdenum	96-1	26.48	25.61	27.51	26.54	3.59	ppb
Molybdenum	97-1	12.62	11.73	12.99	12.45	5.19	ppb
Molybdenum	98-1	12.13	11.83	12.43	12.13	2.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	436.87	450.03	442.36	443.09	1.49	ppb
Phosphorus	31-2	11804.80	11783.78	11815.42	11801.33	0.14	ppb
Potassium	39-2	22883.98	22982.75	22540.98	22802.57	1.02	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				108		%
Scandium	45-2				112		%
Selenium	82-1	22.21	21.67	22.29	22.06	1.53	ppb
Selenium	77-2	56.72	56.18	55.45	56.12	1.13	ppb
Selenium	78-2	26.92	27.31	29.02	27.75	4.02	ppb
Silicon	28-1	84.56	71.20	81.35	79.03	8.82	ppb
Silver	107-1	46.18	46.34	46.92	46.48	0.83	ppb
Silver	109-1	44.84	46.60	45.91	45.79	1.93	ppb
Sodium	23-2	48214.28	48040.25	48242.55	48165.69	0.23	ppb
Strontium	86-1	420.97	410.38	437.41	422.92	3.22	ppb
Strontium	88-1	435.22	416.20	446.37	432.60	3.53	ppb
Sulfur	34-1	132814.58	131855.39	134773.98	133147.98	1.12	ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	3.97	4.12	4.23	4.11	3.27	ppb
Thallium	205-1	4.04	4.00	4.07	4.03	0.88	ppb
Tin	118-1	446.21	448.49	456.89	450.53	1.25	ppb
Titanium	47-1	1998.36	1923.43	1951.33	1957.71	1.93	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:23:49	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	12.01	12.23	12.32	12.19	1.27	ppb
Vanadium	51-2	360.04	364.81	359.41	361.42	0.82	ppb
Yttrium	89-1				130		%
Yttrium	89-2				130		%
Zinc	66-2	4695.78	4740.50	4776.49	4737.59	0.85	ppb
Zirconium	90-1	70.39	69.17	72.01	70.52	2.02	ppb
Zirconium	91-1	70.50	68.25	73.19	70.65	3.50	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-06	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP03-2025-2(	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:26:48	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	71603.18	69962.30	68981.07	70182.18	1.89	ppb
Antimony	121-1	1.32	1.32	1.36	1.33	1.84	ppb
Arsenic	75-2	223.56	224.99	226.40	224.98	0.63	ppb
Barium	135-1	2004.77	1967.14	1965.51	1979.14	1.12	ppb
Barium	137-1	2009.44	2051.41	2009.58	2023.48	1.20	ppb
Beryllium	9-1	5.62	5.35	5.51	5.49	2.44	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.06	22.79	24.68	24.51	6.70	ppb
Cadmium	106-1	28.31	27.53	25.99	27.28	4.33	ppb
Cadmium	111-1	24.54	24.42	23.90	24.29	1.40	ppb
Calcium	43-1	31767.09	31591.34	31932.40	31763.61	0.54	ppb
Calcium	44-1	30827.05	30367.56	30526.98	30573.86	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	849.04	876.54	846.01	857.20	1.96	ppb
Cobalt	59-2	70.86	72.00	71.25	71.37	0.81	ppb
Copper	63-2	1578.91	1607.11	1590.08	1592.03	0.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				94		%
Iron	56-2	220236.82	222602.18	219663.86	220834.29	0.71	ppb
Iron	57-2	212099.45	213604.62	210837.25	212180.44	0.65	ppb
Iron	54-2	217602.43	221398.43	220890.28	219963.71	0.94	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-06	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP03-2025-2(	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:26:48	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2836.31	2929.54	2970.33	2912.06	2.36	ppb
Lead	207-1	2685.48	2747.69	2803.16	2745.44	2.14	ppb
Lead	208-1	2764.03	2822.80	2878.09	2821.64	2.02	ppb
Lithium	6-1				90		%
Magnesium	24-2	40325.95	40360.41	40583.48	40423.28	0.35	ppb
Manganese	55-2	2690.84	2731.54	2740.99	2721.12	0.98	ppb
Molybdenum	94-1	91.14	89.45	90.64	90.41	0.96	ppb
Molybdenum	95-1	7.99	7.86	8.08	7.98	1.41	ppb
Molybdenum	96-1	17.65	17.40	17.69	17.58	0.91	ppb
Molybdenum	97-1	8.02	7.82	7.91	7.92	1.30	ppb
Molybdenum	98-1	7.94	7.84	8.00	7.93	1.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	329.17	333.34	333.58	332.03	0.75	ppb
Phosphorus	31-2	7528.18	7656.56	7643.94	7609.56	0.93	ppb
Potassium	39-2	13249.87	13714.58	13428.85	13464.43	1.74	ppb
Rhodium	103-1				94		%
Rhodium	103-2				97		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	13.63	13.56	13.88	13.69	1.23	ppb
Selenium	77-2	38.74	38.90	38.39	38.68	0.67	ppb
Selenium	78-2	16.18	16.28	16.89	16.45	2.32	ppb
Silicon	28-1	68.52	73.95	68.61	70.36	4.42	ppb
Silver	107-1	25.72	25.94	26.09	25.92	0.72	ppb
Silver	109-1	25.50	25.43	25.48	25.47	0.14	ppb
Sodium	23-2	10743.28	10779.54	10577.11	10699.98	1.01	ppb
Strontium	86-1	264.55	265.00	265.30	264.95	0.14	ppb
Strontium	88-1	280.00	268.32	272.30	273.54	2.17	ppb
Sulfur	34-1	71172.36	71630.33	70910.50	71237.73	0.51	ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	2.25	2.36	2.37	2.33	2.71	ppb
Thallium	205-1	2.29	2.28	2.41	2.33	3.13	ppb
Tin	118-1	213.79	213.78	212.35	213.31	0.39	ppb
Titanium	47-1	1410.60	1408.99	1400.90	1406.83	0.37	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-06	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP03-2025-2(	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:26:48	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.43	8.73	8.76	8.64	2.09	ppb
Vanadium	51-2	241.51	242.74	241.99	242.08	0.26	ppb
Yttrium	89-1				117		%
Yttrium	89-2				118		%
Zinc	66-2	2654.93	2700.08	2652.67	2669.23	1.00	ppb
Zirconium	90-1	46.86	46.48	46.61	46.65	0.42	ppb
Zirconium	91-1	46.73	47.01	46.68	46.81	0.38	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:29:53	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	69325.01	68126.98	69429.07	68960.36	1.05	ppb
Antimony	121-1	1.84	1.88	1.81	1.85	1.84	ppb
Arsenic	75-2	352.04	351.77	344.59	349.47	1.21	ppb
Barium	135-1	1847.96	1786.74	1808.11	1814.27	1.71	ppb
Barium	137-1	1799.73	1872.45	1798.39	1823.52	2.32	ppb
Beryllium	9-1	4.81	4.99	4.85	4.88	1.96	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.53	14.92	15.12	15.19	2.05	ppb
Cadmium	106-1	16.13	18.08	15.85	16.69	7.29	ppb
Cadmium	111-1	13.45	13.62	13.00	13.36	2.40	ppb
Calcium	43-1	24414.49	24578.13	24123.77	24372.13	0.94	ppb
Calcium	44-1	23501.05	23683.69	22695.57	23293.44	2.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	627.73	641.52	655.43	641.56	2.16	ppb
Cobalt	59-2	70.20	69.79	70.94	70.31	0.83	ppb
Copper	63-2	1575.45	1575.94	1565.42	1572.27	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	56-2	261553.34	256934.23	261385.15	259957.57	1.01	ppb
Iron	57-2	252650.86	252764.88	255915.41	253777.05	0.73	ppb
Iron	54-2	257924.70	253261.83	259421.25	256869.26	1.25	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:29:53	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4337.18	4081.62	4177.25	4198.68	3.08	ppb
Lead	207-1	4167.84	3979.04	4001.03	4049.30	2.55	ppb
Lead	208-1	4138.75	4085.74	4106.87	4110.45	0.65	ppb
Lithium	6-1				89		%
Magnesium	24-2	37015.51	36872.60	36702.32	36863.48	0.43	ppb
Manganese	55-2	2727.56	2661.18	2762.25	2717.00	1.89	ppb
Molybdenum	94-1	92.54	96.23	94.70	94.49	1.96	ppb
Molybdenum	95-1	13.60	13.99	13.88	13.82	1.43	ppb
Molybdenum	96-1	22.66	23.66	23.39	23.24	2.23	ppb
Molybdenum	97-1	13.45	14.62	13.71	13.93	4.43	ppb
Molybdenum	98-1	13.52	13.81	13.45	13.59	1.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	298.12	298.70	299.04	298.62	0.16	ppb
Phosphorus	31-2	3690.64	3645.75	3634.59	3656.99	0.81	ppb
Potassium	39-2	12584.72	12516.04	12491.41	12530.72	0.39	ppb
Rhodium	103-1				94		%
Rhodium	103-2				96		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	17.32	19.36	17.45	18.04	6.33	ppb
Selenium	77-2	47.74	42.20	36.67	42.20	13.12	ppb
Selenium	78-2	21.20	22.66	19.83	21.23	6.67	ppb
Silicon	28-1	250.01	258.88	313.94	274.28	12.63	ppb
Silver	107-1	18.84	19.25	19.31	19.13	1.33	ppb
Silver	109-1	18.78	19.12	19.04	18.98	0.93	ppb
Sodium	23-2	4601.40	4432.34	4539.81	4524.52	1.89	ppb
Strontium	86-1	179.48	184.40	182.90	182.26	1.39	ppb
Strontium	88-1	190.09	194.26	192.30	192.22	1.08	ppb
Sulfur	34-1	86761.56	86824.86	85686.14	86424.18	0.74	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	2.67	2.44	2.48	2.53	4.91	ppb
Thallium	205-1	2.60	2.49	2.46	2.51	2.92	ppb
Tin	118-1	144.01	146.26	143.94	144.73	0.91	ppb
Titanium	47-1	1477.72	1486.15	1476.09	1479.99	0.36	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:29:53	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	9.49	9.08	9.14	9.24	2.40	ppb
Vanadium	51-2	233.68	233.18	235.24	234.03	0.46	ppb
Yttrium	89-1				119		%
Yttrium	89-2				119		%
Zinc	66-2	3091.66	3077.19	3080.84	3083.23	0.24	ppb
Zirconium	90-1	45.81	46.99	46.17	46.32	1.30	ppb
Zirconium	91-1	45.85	47.87	46.68	46.80	2.17	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:41:09	DataFile Name :	107CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49051.15	49896.63	50175.05	49707.61	1.18	ppb
Antimony	121-1	492.77	517.16	504.21	504.71	2.42	ppb
Arsenic	75-2	489.66	483.77	486.21	486.55	0.61	ppb
Barium	135-1	2514.45	2572.37	2540.83	2542.55	1.14	ppb
Barium	137-1	2506.36	2564.15	2510.12	2526.88	1.28	ppb
Beryllium	9-1	501.00	501.84	509.86	504.23	0.97	ppb
Bismuth	209-1				93		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	466.43	481.76	483.28	477.15	1.95	ppb
Cadmium	106-1	473.40	474.59	482.22	476.74	1.00	ppb
Cadmium	111-1	476.39	486.25	487.92	483.52	1.29	ppb
Calcium	43-1	253370.52	255512.99	260235.88	256373.13	1.37	ppb
Calcium	44-1	255583.77	252597.33	259406.74	255862.61	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	492.83	498.16	495.94	495.64	0.54	ppb
Cobalt	59-2	497.91	494.49	499.20	497.20	0.49	ppb
Copper	63-2	4933.74	5065.76	4998.90	4999.47	1.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	56-2	129312.85	131641.31	133419.00	131457.72	1.57	ppb
Iron	57-2	130277.25	135091.78	129645.16	131671.39	2.26	ppb
Iron	54-2	129592.58	131872.06	127437.44	129634.03	1.71	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:41:09	DataFile Name :	107CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2648.75	2598.43	2616.15	2621.11	0.97	ppb
Lead	207-1	2562.76	2518.00	2545.06	2541.94	0.89	ppb
Lead	208-1	2550.47	2551.67	2545.90	2549.35	0.12	ppb
Lithium	6-1				84		%
Magnesium	24-2	253358.15	254325.14	252060.81	253248.03	0.45	ppb
Manganese	55-2	4975.31	5115.84	5003.53	5031.56	1.48	ppb
Molybdenum	94-1	4770.70	4969.63	4992.74	4911.03	2.49	ppb
Molybdenum	95-1	4843.04	4895.58	4964.43	4901.02	1.24	ppb
Molybdenum	96-1	4861.84	5029.97	5002.90	4964.90	1.82	ppb
Molybdenum	97-1	4824.51	4851.23	5054.44	4910.06	2.56	ppb
Molybdenum	98-1	4866.43	5068.20	4835.28	4923.31	2.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.55	483.19	482.23	482.32	0.17	ppb
Phosphorus	31-2	9848.11	9732.20	9681.52	9753.94	0.88	ppb
Potassium	39-2	123974.86	126657.23	127408.08	126013.39	1.43	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	460.24	469.58	471.47	467.10	1.29	ppb
Selenium	77-2	458.91	466.32	465.72	463.65	0.89	ppb
Selenium	78-2	473.60	462.77	466.84	467.74	1.17	ppb
Silicon	28-1	524.26	513.16	516.52	517.98	1.10	ppb
Silver	107-1	498.73	500.27	501.96	500.32	0.32	ppb
Silver	109-1	496.17	512.37	499.33	502.62	1.71	ppb
Sodium	23-2	253050.99	249036.93	255983.19	252690.37	1.38	ppb
Strontium	86-1	479.15	495.83	485.94	486.97	1.72	ppb
Strontium	88-1	498.95	507.51	499.75	502.07	0.94	ppb
Sulfur	34-1	9561.27	9345.43	9820.99	9575.90	2.49	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	520.39	519.53	532.05	523.99	1.33	ppb
Thallium	205-1	522.14	539.32	528.20	529.89	1.64	ppb
Tin	118-1	499.18	521.55	503.78	508.17	2.32	ppb
Titanium	47-1	5042.03	5006.29	5122.17	5056.83	1.17	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:41:09	DataFile Name :	107CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	490.04	494.90	489.66	491.53	0.59	ppb
Vanadium	51-2	498.43	502.29	504.37	501.70	0.60	ppb
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	4924.19	4813.39	4935.60	4891.06	1.38	ppb
Zirconium	90-1	480.86	495.78	492.82	489.82	1.61	ppb
Zirconium	91-1	469.48	490.72	484.16	481.46	2.26	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:49:58	DataFile Name :	108CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.64	0.70	-0.04	0.44	93.98	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	3.27	ppb
Arsenic	75-2	0.00	-0.01	0.00	0.00		ppb
Barium	135-1	0.01	0.02	0.00	0.01	155.59	ppb
Barium	137-1	0.01	0.00	0.01	0.01	64.43	ppb
Beryllium	9-1	-0.01	0.01	0.00	0.00		ppb
Bismuth	209-1				95		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.09	-0.09	-0.05	-0.08		ppb
Cadmium	106-1	-3.83	-4.26	-2.43	-3.50		ppb
Cadmium	111-1	-0.24	-0.30	-0.17	-0.24		ppb
Calcium	43-1	2.35	-1.49	-1.41	-0.18		ppb
Calcium	44-1	15.53	12.93	10.68	13.05	18.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.01	0.03	0.00	2453.31	ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.01		ppb
Copper	63-2	0.16	0.14	0.14	0.15	9.08	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	56-2	2.55	3.24	3.89	3.23	20.82	ppb
Iron	57-2	3.65	2.49	4.58	3.57	29.30	ppb
Iron	54-2	3.01	4.25	5.27	4.18	27.12	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:49:58	DataFile Name :	108CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.08	0.07	0.10	0.08	19.01	ppb
Lead	207-1	0.07	0.09	0.08	0.08	13.98	ppb
Lead	208-1	0.08	0.08	0.09	0.08	10.91	ppb
Lithium	6-1				80		%
Magnesium	24-2	0.61	1.12	1.65	1.13	46.38	ppb
Manganese	55-2	0.00	-0.02	0.04	0.00	670.47	ppb
Molybdenum	94-1	0.06	0.05	0.08	0.06	18.37	ppb
Molybdenum	95-1	0.06	0.05	0.03	0.05	29.17	ppb
Molybdenum	96-1	0.03	0.02	0.02	0.02	19.62	ppb
Molybdenum	97-1	0.01	0.01	0.01	0.01	25.85	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.03	30.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.22	-0.15	-0.08	-0.15		ppb
Phosphorus	31-2	-60.32	-56.00	-62.84	-59.72		ppb
Potassium	39-2	27.56	26.49	33.74	29.26	13.38	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				90		%
Scandium	45-2				90		%
Selenium	82-1	0.16	-0.16	-0.27	-0.09		ppb
Selenium	77-2	-0.16	0.10	0.09	0.01	1410.51	ppb
Selenium	78-2	-0.61	0.63	0.93	0.32	256.40	ppb
Silicon	28-1	0.74	0.48	-0.17	0.35	134.93	ppb
Silver	107-1	0.01	0.01	0.01	0.01	17.55	ppb
Silver	109-1	0.00	0.00	0.00	0.00	14.16	ppb
Sodium	23-2	75.07	75.57	75.86	75.50	0.53	ppb
Strontium	86-1	0.04	0.02	0.03	0.03	29.76	ppb
Strontium	88-1	0.01	0.00	0.01	0.00	25.73	ppb
Sulfur	34-1	31.11	24.95	-317.46	-87.13		ppb
Terbium	159-1				96		%
Terbium	159-2				97		%
Thallium	203-1	0.03	0.03	0.02	0.03	15.24	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	15.83	ppb
Tin	118-1	0.07	0.05	0.04	0.06	30.54	ppb
Titanium	47-1	0.02	0.03	0.05	0.04	45.71	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:49:58	DataFile Name :	108CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	0.20	0.41	0.34	0.32	34.11	ppb
Zirconium	90-1	0.02	0.01	0.02	0.02	26.18	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	57.69	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:12:37	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17865.99	17736.07	17947.87	17849.98	0.60	ppb
Antimony	121-1	0.77	0.82	0.75	0.78	4.41	ppb
Arsenic	75-2	61.99	62.68	64.56	63.08	2.11	ppb
Barium	135-1	397.69	398.50	396.92	397.71	0.20	ppb
Barium	137-1	395.97	397.63	392.26	395.29	0.70	ppb
Beryllium	9-1	1.53	1.54	1.56	1.54	1.05	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	12.45	13.26	13.82	13.17	5.22	ppb
Cadmium	106-1	8.67	9.31	10.14	9.37	7.85	ppb
Cadmium	111-1	12.76	13.32	12.66	12.91	2.77	ppb
Calcium	43-1	11938.23	12028.11	12264.42	12076.92	1.40	ppb
Calcium	44-1	11484.58	11982.10	11957.46	11808.04	2.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	477.14	474.18	477.67	476.33	0.39	ppb
Cobalt	59-2	18.63	18.96	18.57	18.72	1.13	ppb
Copper	63-2	568.39	547.07	569.45	561.64	2.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				99		%
Indium	115-1				93		%
Indium	115-2				92		%
Iron	56-2	51889.73	54127.34	52555.46	52857.51	2.17	ppb
Iron	57-2	51506.60	53526.83	51037.03	52023.49	2.54	ppb
Iron	54-2	53346.52	52657.32	52657.56	52887.13	0.75	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:12:37	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	747.13	814.44	798.89	786.82	4.48	ppb
Lead	207-1	729.05	751.63	759.03	746.57	2.09	ppb
Lead	208-1	738.77	771.44	767.71	759.31	2.35	ppb
Lithium	6-1				79		%
Magnesium	24-2	11158.76	11025.17	11129.66	11104.53	0.63	ppb
Manganese	55-2	463.83	461.28	462.28	462.46	0.28	ppb
Molybdenum	94-1	28.79	27.96	28.77	28.50	1.67	ppb
Molybdenum	95-1	4.48	4.45	4.51	4.48	0.65	ppb
Molybdenum	96-1	7.23	7.19	7.42	7.28	1.67	ppb
Molybdenum	97-1	4.58	4.58	4.50	4.56	1.00	ppb
Molybdenum	98-1	4.52	4.42	4.54	4.49	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	120.86	121.55	121.94	121.45	0.45	ppb
Phosphorus	31-2	2424.30	2454.57	2489.14	2456.01	1.32	ppb
Potassium	39-2	3860.67	3902.69	3886.93	3883.43	0.55	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	82-1	3.27	2.74	3.24	3.09	9.58	ppb
Selenium	77-2	9.79	12.75	10.21	10.92	14.67	ppb
Selenium	78-2	5.81	4.18	6.77	5.59	23.41	ppb
Silicon	28-1	105.44	118.76	109.92	111.37	6.08	ppb
Silver	107-1	10.28	10.37	10.30	10.31	0.43	ppb
Silver	109-1	10.00	10.10	10.33	10.15	1.68	ppb
Sodium	23-2	8685.10	8635.13	8745.11	8688.45	0.63	ppb
Strontium	86-1	107.63	104.92	108.02	106.86	1.58	ppb
Strontium	88-1	111.53	113.43	112.66	112.54	0.85	ppb
Sulfur	34-1	21711.39	21593.04	21720.73	21675.05	0.33	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.44	0.51	0.52	0.49	9.59	ppb
Thallium	205-1	0.45	0.47	0.47	0.46	3.16	ppb
Tin	118-1	56.84	56.74	56.70	56.76	0.13	ppb
Titanium	47-1	464.24	466.23	475.51	468.66	1.28	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:12:37	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.24	2.31	2.32	2.29	1.83	ppb
Vanadium	51-2	95.50	94.64	95.39	95.18	0.49	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	973.77	974.43	980.39	976.20	0.37	ppb
Zirconium	90-1	13.97	13.83	14.05	13.95	0.80	ppb
Zirconium	91-1	13.74	13.79	14.18	13.91	1.73	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:15:43	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11568.42	11490.06	11126.30	11394.93	2.07	ppb
Antimony	121-1	0.90	0.92	0.87	0.90	2.81	ppb
Arsenic	75-2	37.11	36.31	36.78	36.73	1.09	ppb
Barium	135-1	280.02	292.06	277.26	283.11	2.78	ppb
Barium	137-1	286.62	295.37	281.57	287.85	2.42	ppb
Beryllium	9-1	0.87	0.90	0.86	0.88	2.67	ppb
Bismuth	209-1				95		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.66	9.54	9.43	9.54	1.21	ppb
Cadmium	106-1	7.70	7.19	4.27	6.38	28.94	ppb
Cadmium	111-1	9.39	9.65	9.14	9.40	2.70	ppb
Calcium	43-1	9112.14	9117.59	9397.74	9209.15	1.77	ppb
Calcium	44-1	9232.73	8931.66	9048.43	9070.94	1.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	269.29	266.82	267.37	267.83	0.48	ppb
Cobalt	59-2	14.13	13.79	13.90	13.94	1.22	ppb
Copper	63-2	400.24	399.62	395.24	398.37	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				97		%
Holmium	165-2				98		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	56-2	31787.62	31960.44	31724.10	31824.05	0.38	ppb
Iron	57-2	31662.04	31575.23	31254.71	31497.33	0.68	ppb
Iron	54-2	32571.56	31833.06	31517.20	31973.94	1.69	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:15:43	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	934.80	959.00	952.72	948.84	1.32	ppb
Lead	207-1	903.47	923.07	903.25	909.93	1.25	ppb
Lead	208-1	913.42	925.44	927.45	922.10	0.82	ppb
Lithium	6-1				81		%
Magnesium	24-2	10224.57	9494.04	9611.24	9776.61	4.01	ppb
Manganese	55-2	252.07	251.64	249.29	251.00	0.60	ppb
Molybdenum	94-1	17.62	19.05	18.96	18.54	4.31	ppb
Molybdenum	95-1	3.56	3.73	3.70	3.66	2.52	ppb
Molybdenum	96-1	5.49	5.32	5.51	5.44	1.98	ppb
Molybdenum	97-1	3.76	3.59	3.72	3.69	2.41	ppb
Molybdenum	98-1	3.53	3.56	3.62	3.57	1.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	114.39	111.59	109.91	111.96	2.02	ppb
Phosphorus	31-2	1540.20	1576.57	1550.14	1555.63	1.21	ppb
Potassium	39-2	2399.11	2399.91	2400.89	2399.97	0.04	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	2.18	2.58	2.16	2.31	10.35	ppb
Selenium	77-2	6.50	5.67	4.97	5.72	13.41	ppb
Selenium	78-2	2.93	2.33	2.39	2.55	12.99	ppb
Silicon	28-1	45.44	43.72	47.75	45.64	4.43	ppb
Silver	107-1	6.80	7.10	6.66	6.85	3.25	ppb
Silver	109-1	6.71	6.92	6.73	6.79	1.72	ppb
Sodium	23-2	7581.97	7499.08	7405.96	7495.67	1.17	ppb
Strontium	86-1	64.25	67.46	66.22	65.98	2.46	ppb
Strontium	88-1	64.81	67.53	66.69	66.34	2.10	ppb
Sulfur	34-1	13939.00	13501.16	14575.62	14005.26	3.86	ppb
Terbium	159-1				95		%
Terbium	159-2				99		%
Thallium	203-1	0.32	0.32	0.35	0.33	5.40	ppb
Thallium	205-1	0.32	0.30	0.30	0.31	3.94	ppb
Tin	118-1	37.87	39.64	36.82	38.11	3.73	ppb
Titanium	47-1	325.84	321.26	335.78	327.63	2.27	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:15:43	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.49	1.49	1.51	1.50	0.91	ppb
Vanadium	51-2	81.67	80.94	80.04	80.88	1.01	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	806.48	794.16	786.26	795.63	1.28	ppb
Zirconium	90-1	8.55	8.81	8.63	8.66	1.57	ppb
Zirconium	91-1	8.47	8.85	8.92	8.75	2.77	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:18:51	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18476.38	18172.25	18230.56	18293.06	0.88	ppb
Antimony	121-1	0.36	0.37	0.35	0.36	3.13	ppb
Arsenic	75-2	77.47	77.58	79.40	78.15	1.39	ppb
Barium	135-1	468.27	460.03	462.70	463.67	0.91	ppb
Barium	137-1	468.89	461.62	457.60	462.71	1.24	ppb
Beryllium	9-1	1.24	1.25	1.20	1.23	2.09	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.20	4.00	3.80	4.00	4.98	ppb
Cadmium	106-1	1.52	2.13	1.92	1.86	16.91	ppb
Cadmium	111-1	3.61	3.65	3.60	3.62	0.81	ppb
Calcium	43-1	9091.29	9036.08	9116.04	9081.14	0.45	ppb
Calcium	44-1	8660.62	8770.12	8817.64	8749.46	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	213.10	215.83	217.80	215.57	1.10	ppb
Cobalt	59-2	15.51	15.66	15.76	15.64	0.81	ppb
Copper	63-2	444.23	438.82	444.68	442.58	0.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	46861.55	46060.44	47406.61	46776.20	1.45	ppb
Iron	57-2	46508.68	45314.52	46680.52	46167.91	1.61	ppb
Iron	54-2	46128.86	47198.51	47529.07	46952.15	1.56	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:18:51	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	781.40	746.22	811.85	779.82	4.21	ppb
Lead	207-1	745.88	727.46	783.00	752.11	3.76	ppb
Lead	208-1	755.10	745.05	785.85	762.00	2.79	ppb
Lithium	6-1				82		%
Magnesium	24-2	9967.29	9851.47	9854.12	9890.96	0.67	ppb
Manganese	55-2	540.79	539.56	549.04	543.13	0.95	ppb
Molybdenum	94-1	24.25	23.73	24.72	24.23	2.03	ppb
Molybdenum	95-1	1.85	1.85	2.00	1.90	4.79	ppb
Molybdenum	96-1	4.33	4.40	4.38	4.37	0.87	ppb
Molybdenum	97-1	1.75	1.92	1.83	1.83	4.78	ppb
Molybdenum	98-1	1.79	1.88	1.80	1.83	2.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	67.12	67.82	67.48	67.47	0.52	ppb
Phosphorus	31-2	2392.45	2308.78	2361.28	2354.17	1.80	ppb
Potassium	39-2	4076.39	4052.99	4073.81	4067.73	0.32	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	82-1	5.70	6.34	6.16	6.07	5.46	ppb
Selenium	77-2	12.76	15.20	13.44	13.80	9.12	ppb
Selenium	78-2	6.27	7.65	8.23	7.38	13.67	ppb
Silicon	28-1	45.76	41.82	41.18	42.92	5.77	ppb
Silver	107-1	5.73	5.67	5.87	5.76	1.73	ppb
Silver	109-1	5.63	5.57	5.58	5.59	0.55	ppb
Sodium	23-2	6861.37	6825.57	6883.83	6856.93	0.43	ppb
Strontium	86-1	69.66	69.77	71.91	70.45	1.80	ppb
Strontium	88-1	70.88	70.04	71.01	70.64	0.75	ppb
Sulfur	34-1	14582.79	14383.11	14877.42	14614.44	1.70	ppb
Terbium	159-1				96		%
Terbium	159-2				99		%
Thallium	203-1	0.61	0.62	0.60	0.61	1.92	ppb
Thallium	205-1	0.58	0.61	0.59	0.59	2.71	ppb
Tin	118-1	100.22	99.06	100.35	99.87	0.71	ppb
Titanium	47-1	327.56	327.76	331.02	328.78	0.59	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:18:51	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.83	1.80	1.82	1.82	0.70	ppb
Vanadium	51-2	61.38	61.46	61.92	61.59	0.47	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	741.67	748.32	746.15	745.38	0.45	ppb
Zirconium	90-1	12.67	12.45	12.68	12.60	1.04	ppb
Zirconium	91-1	12.48	12.44	12.77	12.56	1.44	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:22:00	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23974.39	24125.52	24582.18	24227.36	1.31	ppb
Antimony	121-1	0.18	0.18	0.17	0.18	3.46	ppb
Arsenic	75-2	93.50	94.28	92.38	93.39	1.02	ppb
Barium	135-1	169.00	168.10	170.61	169.23	0.75	ppb
Barium	137-1	168.72	167.49	172.13	169.45	1.42	ppb
Beryllium	9-1	1.55	1.69	1.40	1.55	9.48	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.92	2.14	1.77	1.94	9.65	ppb
Cadmium	106-1	0.80	0.29	1.09	0.73	55.78	ppb
Cadmium	111-1	1.10	0.96	1.15	1.07	9.23	ppb
Calcium	43-1	7640.89	7768.45	7749.64	7719.66	0.89	ppb
Calcium	44-1	7415.56	7383.24	7486.09	7428.30	0.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	119.94	120.17	119.21	119.77	0.42	ppb
Cobalt	59-2	20.18	20.27	20.47	20.31	0.72	ppb
Copper	63-2	298.80	296.28	296.57	297.21	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				94		%
Iron	56-2	61446.10	60810.67	59947.54	60734.77	1.24	ppb
Iron	57-2	58265.02	59196.15	59608.85	59023.34	1.17	ppb
Iron	54-2	62026.34	60665.32	60886.35	61192.67	1.19	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:22:00	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	548.69	567.86	549.08	555.21	1.97	ppb
Lead	207-1	469.21	479.55	472.81	473.86	1.11	ppb
Lead	208-1	530.62	536.80	528.61	532.01	0.80	ppb
Lithium	6-1				84		%
Magnesium	24-2	11431.44	11405.13	11505.49	11447.35	0.45	ppb
Manganese	55-2	1249.10	1237.28	1273.37	1253.25	1.47	ppb
Molybdenum	94-1	28.53	29.10	28.96	28.87	1.03	ppb
Molybdenum	95-1	1.33	1.40	1.34	1.36	2.70	ppb
Molybdenum	96-1	4.44	4.54	4.49	4.49	1.06	ppb
Molybdenum	97-1	1.33	1.47	1.34	1.38	5.46	ppb
Molybdenum	98-1	1.27	1.39	1.31	1.32	4.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	67.05	66.20	67.14	66.80	0.78	ppb
Phosphorus	31-2	2092.07	2148.71	2100.58	2113.79	1.44	ppb
Potassium	39-2	4604.66	4611.18	4595.47	4603.77	0.17	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	1.77	2.49	2.64	2.30	20.10	ppb
Selenium	77-2	11.04	12.32	10.13	11.16	9.86	ppb
Selenium	78-2	3.81	3.11	3.65	3.52	10.48	ppb
Silicon	28-1	125.01	126.05	125.51	125.52	0.42	ppb
Silver	107-1	1.74	1.72	1.74	1.73	0.72	ppb
Silver	109-1	1.75	1.69	1.66	1.70	2.60	ppb
Sodium	23-2	5263.85	5174.03	5220.61	5219.50	0.86	ppb
Strontium	86-1	62.52	63.80	63.75	63.36	1.15	ppb
Strontium	88-1	62.74	64.38	63.92	63.68	1.33	ppb
Sulfur	34-1	11114.23	11337.05	11162.05	11204.44	1.05	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	0.32	0.30	0.34	0.32	6.98	ppb
Thallium	205-1	0.32	0.30	0.31	0.31	4.34	ppb
Tin	118-1	48.06	47.99	47.82	47.96	0.26	ppb
Titanium	47-1	405.84	420.58	415.69	414.04	1.81	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:22:00	DataFile Name :	112SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.37	1.46	1.44	1.42	3.22	ppb
Vanadium	51-2	66.04	65.81	65.47	65.77	0.44	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	473.10	469.57	467.23	469.96	0.63	ppb
Zirconium	90-1	15.41	15.52	15.65	15.53	0.79	ppb
Zirconium	91-1	15.36	15.41	15.42	15.40	0.21	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUPl	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:25:13	DataFile Name :	113SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25089.53	24235.60	24001.89	24442.34	2.34	ppb
Antimony	121-1	0.17	0.19	0.19	0.18	6.91	ppb
Arsenic	75-2	95.22	95.14	93.73	94.70	0.88	ppb
Barium	135-1	174.54	172.52	175.34	174.14	0.83	ppb
Barium	137-1	173.90	171.23	175.25	173.46	1.18	ppb
Beryllium	9-1	1.49	1.44	1.50	1.48	2.41	ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.04	1.75	1.58	1.79	13.15	ppb
Cadmium	106-1	1.93	-0.80	-0.20	0.31	461.13	ppb
Cadmium	111-1	1.14	1.16	1.02	1.10	6.84	ppb
Calcium	43-1	7772.72	7874.28	7582.60	7743.20	1.91	ppb
Calcium	44-1	7565.33	7409.84	7057.34	7344.17	3.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	122.22	121.80	118.31	120.78	1.78	ppb
Cobalt	59-2	20.34	20.83	20.38	20.52	1.32	ppb
Copper	63-2	299.51	301.59	297.20	299.43	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				97		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	60912.18	61344.57	59985.80	60747.52	1.14	ppb
Iron	57-2	60742.65	59231.22	60000.80	59991.56	1.26	ppb
Iron	54-2	60847.16	60876.53	59492.55	60405.41	1.31	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUPl	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:25:13	DataFile Name :	113SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	564.48	559.41	563.08	562.32	0.47	ppb
Lead	207-1	470.33	466.58	476.77	471.22	1.09	ppb
Lead	208-1	529.24	531.99	532.13	531.12	0.31	ppb
Lithium	6-1				83		%
Magnesium	24-2	11540.49	11522.57	11730.75	11597.94	0.99	ppb
Manganese	55-2	1229.72	1222.95	1226.26	1226.31	0.28	ppb
Molybdenum	94-1	28.88	29.26	28.81	28.99	0.84	ppb
Molybdenum	95-1	1.36	1.44	1.37	1.39	3.06	ppb
Molybdenum	96-1	4.27	4.49	4.40	4.39	2.59	ppb
Molybdenum	97-1	1.31	1.46	1.40	1.39	5.26	ppb
Molybdenum	98-1	1.30	1.32	1.30	1.31	0.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	68.70	68.14	67.01	67.95	1.27	ppb
Phosphorus	31-2	2125.34	2081.32	2150.40	2119.02	1.65	ppb
Potassium	39-2	4541.09	4688.51	4602.84	4610.82	1.61	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	82-1	2.51	2.10	1.98	2.20	12.72	ppb
Selenium	77-2	10.27	10.63	13.44	11.45	15.16	ppb
Selenium	78-2	4.29	4.01	2.35	3.55	29.60	ppb
Silicon	28-1	128.74	131.02	124.58	128.11	2.55	ppb
Silver	107-1	1.78	1.73	1.77	1.76	1.49	ppb
Silver	109-1	1.69	1.64	1.73	1.68	2.59	ppb
Sodium	23-2	5244.52	5261.68	5289.90	5265.37	0.44	ppb
Strontium	86-1	62.41	64.46	63.93	63.60	1.68	ppb
Strontium	88-1	63.12	65.18	63.64	63.98	1.67	ppb
Sulfur	34-1	11476.85	11660.51	10862.84	11333.40	3.69	ppb
Terbium	159-1				96		%
Terbium	159-2				99		%
Thallium	203-1	0.28	0.33	0.31	0.31	7.78	ppb
Thallium	205-1	0.30	0.30	0.30	0.30	0.99	ppb
Tin	118-1	98.27	97.26	98.98	98.17	0.88	ppb
Titanium	47-1	416.03	421.01	408.91	415.32	1.46	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUPl	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:25:13	DataFile Name :	113SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.38	1.40	1.43	1.40	1.88	ppb
Vanadium	51-2	67.01	66.06	65.95	66.34	0.88	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	474.70	475.64	465.73	472.02	1.16	ppb
Zirconium	90-1	15.41	15.81	15.47	15.57	1.39	ppb
Zirconium	91-1	15.47	15.86	15.47	15.60	1.42	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LDLX25	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015LDL	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 19:28:22	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4872.72	4861.62	4731.21	4821.85	1.63	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	4.08	ppb
Arsenic	75-2	18.71	18.56	18.93	18.73	0.98	ppb
Barium	135-1	33.36	33.90	32.66	33.31	1.86	ppb
Barium	137-1	33.21	34.17	33.38	33.59	1.52	ppb
Beryllium	9-1	0.36	0.33	0.38	0.36	8.15	ppb
Bismuth	209-1				93		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.45	0.67	0.48	0.53	22.81	ppb
Cadmium	106-1	-1.51	-2.93	-3.10	-2.52		ppb
Cadmium	111-1	0.12	-0.01	-0.04	0.03	334.25	ppb
Calcium	43-1	1539.49	1582.83	1576.32	1566.21	1.49	ppb
Calcium	44-1	1540.55	1588.97	1558.43	1562.65	1.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24.61	24.05	23.81	24.16	1.70	ppb
Cobalt	59-2	4.26	4.09	4.10	4.15	2.21	ppb
Copper	63-2	61.49	60.91	58.92	60.44	2.23	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				95		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	12267.79	12254.11	11903.01	12141.63	1.70	ppb
Iron	57-2	12350.69	12182.40	12024.62	12185.90	1.34	ppb
Iron	54-2	12584.44	12091.06	12217.33	12297.61	2.08	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LDLX25	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015LDL	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 19:28:22	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	100.00	98.15	100.45	99.53	1.23	ppb
Lead	207-1	92.77	93.43	94.59	93.60	0.98	ppb
Lead	208-1	95.13	95.42	96.86	95.80	0.96	ppb
Lithium	6-1				80		%
Magnesium	24-2	2301.94	2291.81	2227.76	2273.84	1.77	ppb
Manganese	55-2	244.68	247.72	239.81	244.07	1.64	ppb
Molybdenum	94-1	5.90	6.01	5.94	5.95	0.95	ppb
Molybdenum	95-1	0.28	0.26	0.26	0.27	5.29	ppb
Molybdenum	96-1	0.87	0.88	0.93	0.89	3.80	ppb
Molybdenum	97-1	0.26	0.24	0.27	0.26	4.40	ppb
Molybdenum	98-1	0.26	0.26	0.28	0.27	4.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.01	13.49	13.47	13.65	2.24	ppb
Phosphorus	31-2	380.19	421.16	378.62	393.32	6.13	ppb
Potassium	39-2	991.59	1000.89	964.23	985.57	1.93	ppb
Rhodium	103-1				94		%
Rhodium	103-2				96		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	0.53	0.27	0.82	0.54	50.34	ppb
Selenium	77-2	1.31	1.56	1.30	1.39	10.45	ppb
Selenium	78-2	1.21	2.20	1.42	1.61	32.40	ppb
Silicon	28-1	28.90	30.67	30.43	30.00	3.20	ppb
Silver	107-1	0.34	0.33	0.34	0.34	2.80	ppb
Silver	109-1	0.34	0.36	0.33	0.34	4.41	ppb
Sodium	23-2	1072.99	1073.17	1048.01	1064.72	1.36	ppb
Strontium	86-1	13.03	13.32	13.00	13.12	1.32	ppb
Strontium	88-1	13.04	13.32	13.23	13.20	1.07	ppb
Sulfur	34-1	948.17	1158.42	988.45	1031.68	10.82	ppb
Terbium	159-1				96		%
Terbium	159-2				99		%
Thallium	203-1	0.05	0.06	0.05	0.06	9.12	ppb
Thallium	205-1	0.05	0.04	0.05	0.04	5.61	ppb
Tin	118-1	14.32	14.43	14.36	14.37	0.39	ppb
Titanium	47-1	83.67	85.67	84.41	84.58	1.19	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LDLX25	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015LDL	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 19:28:22	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.26	0.26	0.26	0.26	0.58	ppb
Vanadium	51-2	13.51	13.45	12.98	13.31	2.21	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	97.08	97.31	94.39	96.26	1.69	ppb
Zirconium	90-1	3.11	3.18	3.11	3.13	1.40	ppb
Zirconium	91-1	3.15	3.32	3.21	3.23	2.65	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:31:41	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21501.03	22018.73	21655.69	21725.15	1.22	ppb
Antimony	121-1	92.63	93.59	92.83	93.02	0.55	ppb
Arsenic	75-2	78.21	74.90	75.49	76.20	2.32	ppb
Barium	135-1	539.69	542.53	535.52	539.24	0.65	ppb
Barium	137-1	534.93	541.70	539.10	538.57	0.63	ppb
Beryllium	9-1	96.35	99.08	98.54	97.99	1.48	ppb
Bismuth	209-1				92		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	93.43	93.11	90.00	92.18	2.06	ppb
Cadmium	106-1	93.61	97.05	89.56	93.40	4.02	ppb
Cadmium	111-1	94.91	98.75	94.62	96.10	2.40	ppb
Calcium	43-1	15983.60	16184.76	15982.53	16050.30	0.73	ppb
Calcium	44-1	15460.37	15685.64	15636.29	15594.10	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	187.95	188.10	186.59	187.55	0.44	ppb
Cobalt	59-2	111.06	109.20	108.40	109.55	1.24	ppb
Copper	63-2	1141.44	1125.06	1134.44	1133.64	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	53182.10	53643.15	53463.45	53429.56	0.43	ppb
Iron	57-2	52343.16	52508.30	51667.64	52173.03	0.85	ppb
Iron	54-2	53914.41	52832.60	52429.30	53058.77	1.45	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:31:41	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	914.82	905.90	916.44	912.39	0.62	ppb
Lead	207-1	900.13	885.07	894.23	893.15	0.85	ppb
Lead	208-1	903.16	903.09	910.99	905.75	0.50	ppb
Lithium	6-1				82		%
Magnesium	24-2	19244.28	19248.14	19195.68	19229.37	0.15	ppb
Manganese	55-2	1914.26	1912.14	1907.68	1911.36	0.18	ppb
Molybdenum	94-1	417.08	430.30	421.08	422.82	1.60	ppb
Molybdenum	95-1	301.97	312.78	303.20	305.98	1.93	ppb
Molybdenum	96-1	312.56	329.29	318.57	320.14	2.65	ppb
Molybdenum	97-1	306.09	319.15	311.60	312.28	2.10	ppb
Molybdenum	98-1	303.40	314.41	305.24	307.68	1.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	145.93	145.62	143.94	145.16	0.74	ppb
Phosphorus	31-2	1888.06	1875.50	1866.46	1876.68	0.58	ppb
Potassium	39-2	8133.46	8231.42	8196.36	8187.08	0.61	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	91.48	93.21	89.62	91.44	1.96	ppb
Selenium	77-2	96.89	97.16	105.56	99.87	4.94	ppb
Selenium	78-2	92.37	92.70	94.43	93.17	1.19	ppb
Silicon	28-1	38.86	38.39	36.75	38.00	2.91	ppb
Silver	107-1	16.77	17.45	16.72	16.98	2.39	ppb
Silver	109-1	16.62	16.91	16.62	16.72	1.01	ppb
Sodium	23-2	13640.77	13661.70	13826.52	13709.66	0.74	ppb
Strontium	86-1	147.13	153.78	149.80	150.23	2.23	ppb
Strontium	88-1	152.85	161.01	154.56	156.14	2.76	ppb
Sulfur	34-1	8221.01	8511.42	8273.27	8335.23	1.86	ppb
Terbium	159-1				96		%
Terbium	159-2				99		%
Thallium	203-1	85.58	85.97	85.00	85.52	0.58	ppb
Thallium	205-1	85.78	85.34	85.50	85.54	0.26	ppb
Tin	118-1	119.16	121.67	119.82	120.22	1.08	ppb
Titanium	47-1	303.29	312.62	310.71	308.87	1.60	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:31:41	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	77.02	78.00	78.21	77.74	0.81	ppb
Vanadium	51-2	147.60	147.76	147.99	147.78	0.13	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	1284.30	1280.40	1303.11	1289.27	0.94	ppb
Zirconium	90-1	94.96	97.80	94.72	95.83	1.79	ppb
Zirconium	91-1	94.37	97.98	94.83	95.73	2.05	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:34:48	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22139.96	22418.83	22154.75	22237.84	0.71	ppb
Antimony	121-1	92.60	96.71	96.55	95.29	2.44	ppb
Arsenic	75-2	79.26	77.88	81.19	79.44	2.09	ppb
Barium	135-1	540.52	561.09	554.54	552.05	1.90	ppb
Barium	137-1	532.20	560.20	556.19	549.53	2.75	ppb
Beryllium	9-1	102.14	101.51	100.22	101.29	0.96	ppb
Bismuth	209-1				91		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	93.13	99.99	96.80	96.64	3.55	ppb
Cadmium	106-1	96.19	99.14	99.08	98.14	1.72	ppb
Cadmium	111-1	96.35	99.36	98.65	98.12	1.61	ppb
Calcium	43-1	16255.18	16159.61	16424.85	16279.88	0.83	ppb
Calcium	44-1	15630.64	15633.67	15891.64	15718.65	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	195.02	190.79	192.06	192.62	1.13	ppb
Cobalt	59-2	112.01	112.37	111.92	112.10	0.21	ppb
Copper	63-2	1163.62	1169.89	1171.07	1168.19	0.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				99		%
Indium	115-1				94		%
Indium	115-2				93		%
Iron	56-2	55224.97	54664.50	54368.76	54752.74	0.79	ppb
Iron	57-2	54252.19	54260.54	53893.00	54135.25	0.39	ppb
Iron	54-2	55796.04	54330.10	55068.53	55064.89	1.33	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:34:48	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	941.53	929.83	971.62	947.66	2.27	ppb
Lead	207-1	958.02	901.39	918.15	925.85	3.14	ppb
Lead	208-1	947.23	911.29	937.33	931.95	1.99	ppb
Lithium	6-1				81		%
Magnesium	24-2	20184.66	19516.13	19771.11	19823.97	1.70	ppb
Manganese	55-2	2017.56	1960.54	1952.95	1977.02	1.79	ppb
Molybdenum	94-1	430.23	447.07	438.02	438.44	1.92	ppb
Molybdenum	95-1	307.55	322.39	317.97	315.97	2.41	ppb
Molybdenum	96-1	326.25	342.41	333.74	334.13	2.42	ppb
Molybdenum	97-1	312.68	326.23	323.96	320.96	2.26	ppb
Molybdenum	98-1	305.80	323.91	318.70	316.14	2.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	148.60	147.93	149.62	148.72	0.57	ppb
Phosphorus	31-2	1838.03	1878.55	1849.11	1855.23	1.13	ppb
Potassium	39-2	8196.95	8543.83	8531.31	8424.03	2.34	ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	93.42	99.11	95.21	95.91	3.03	ppb
Selenium	77-2	111.86	93.34	104.24	103.15	9.02	ppb
Selenium	78-2	95.74	95.86	99.75	97.11	2.35	ppb
Silicon	28-1	38.30	37.30	38.60	38.07	1.79	ppb
Silver	107-1	16.79	17.57	17.66	17.34	2.76	ppb
Silver	109-1	16.88	17.42	17.34	17.21	1.71	ppb
Sodium	23-2	14268.21	14212.99	14277.94	14253.05	0.25	ppb
Strontium	86-1	151.53	157.46	155.98	154.99	1.99	ppb
Strontium	88-1	158.34	163.33	158.67	160.11	1.75	ppb
Sulfur	34-1	8702.10	8467.06	8758.41	8642.52	1.79	ppb
Terbium	159-1				96		%
Terbium	159-2				97		%
Thallium	203-1	89.15	87.90	89.46	88.84	0.93	ppb
Thallium	205-1	89.56	87.19	90.17	88.97	1.77	ppb
Tin	118-1	119.34	126.03	124.52	123.30	2.85	ppb
Titanium	47-1	310.24	312.21	321.27	314.57	1.87	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:34:48	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	79.88	77.58	80.64	79.37	2.01	ppb
Vanadium	51-2	151.76	150.80	151.88	151.48	0.39	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	1317.91	1315.12	1330.66	1321.23	0.63	ppb
Zirconium	90-1	96.76	100.47	97.39	98.21	2.02	ppb
Zirconium	91-1	96.44	100.79	98.70	98.64	2.21	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05ADLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015ADL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:37:53	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20198.78	20877.06	20702.01	20592.62	1.71	ppb
Antimony	121-1	91.33	90.70	90.97	91.00	0.35	ppb
Arsenic	75-2	69.11	69.54	69.62	69.42	0.40	ppb
Barium	135-1	528.65	513.29	523.09	521.68	1.49	ppb
Barium	137-1	527.67	526.05	522.09	525.27	0.55	ppb
Beryllium	9-1	97.65	99.45	99.68	98.92	1.12	ppb
Bismuth	209-1				95		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	92.90	90.30	93.19	92.13	1.73	ppb
Cadmium	106-1	90.88	93.38	89.70	91.32	2.06	ppb
Cadmium	111-1	94.67	93.72	93.13	93.84	0.82	ppb
Calcium	43-1	15469.59	16007.19	15726.30	15734.36	1.71	ppb
Calcium	44-1	14940.27	15358.22	14994.68	15097.72	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	178.81	181.12	179.97	179.97	0.64	ppb
Cobalt	59-2	107.51	110.89	107.76	108.72	1.73	ppb
Copper	63-2	1096.53	1139.02	1091.72	1109.09	2.35	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				95		%
Holmium	165-2				98		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	56-2	49668.15	49243.76	49179.71	49363.87	0.54	ppb
Iron	57-2	48050.15	48224.11	49107.17	48460.48	1.17	ppb
Iron	54-2	48765.54	49232.90	49386.48	49128.31	0.66	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05ADLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015ADL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:37:53	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	893.82	871.61	889.93	885.12	1.34	ppb
Lead	207-1	834.34	815.73	855.47	835.18	2.38	ppb
Lead	208-1	867.92	836.25	868.87	857.68	2.16	ppb
Lithium	6-1				82		%
Magnesium	24-2	18943.04	18908.31	18428.97	18760.11	1.53	ppb
Manganese	55-2	1844.43	1857.00	1851.33	1850.92	0.34	ppb
Molybdenum	94-1	433.30	431.30	427.12	430.57	0.73	ppb
Molybdenum	95-1	312.47	314.22	310.87	312.52	0.54	ppb
Molybdenum	96-1	329.40	334.28	328.57	330.75	0.93	ppb
Molybdenum	97-1	318.05	318.68	316.42	317.72	0.37	ppb
Molybdenum	98-1	312.44	310.33	307.29	310.02	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	140.44	145.72	141.89	142.68	1.91	ppb
Phosphorus	31-2	1755.71	1722.58	1701.32	1726.53	1.59	ppb
Potassium	39-2	8020.71	8106.18	8106.03	8077.64	0.61	ppb
Rhodium	103-1				93		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	93.05	93.98	94.27	93.77	0.68	ppb
Selenium	77-2	109.57	98.20	105.70	104.49	5.53	ppb
Selenium	78-2	97.47	87.65	97.09	94.07	5.91	ppb
Silicon	28-1	52.12	55.04	52.95	53.37	2.82	ppb
Silver	107-1	16.62	16.37	16.66	16.55	0.95	ppb
Silver	109-1	16.54	16.52	16.01	16.36	1.85	ppb
Sodium	23-2	13444.36	13670.63	13558.30	13557.76	0.83	ppb
Strontium	86-1	147.97	146.57	145.03	146.52	1.01	ppb
Strontium	88-1	155.05	154.78	154.70	154.84	0.12	ppb
Sulfur	34-1	7151.23	7504.62	7262.23	7306.02	2.47	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	83.00	84.14	87.81	84.98	2.96	ppb
Thallium	205-1	85.40	84.12	87.69	85.74	2.11	ppb
Tin	118-1	116.78	114.88	116.89	116.18	0.97	ppb
Titanium	47-1	306.31	312.46	306.18	308.32	1.16	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05ADLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015ADL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:37:53	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	76.03	77.14	79.48	77.55	2.27	ppb
Vanadium	51-2	142.89	146.01	144.90	144.60	1.10	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	1258.02	1285.31	1269.18	1270.84	1.08	ppb
Zirconium	90-1	95.41	96.01	94.27	95.23	0.93	ppb
Zirconium	91-1	94.95	96.71	95.32	95.66	0.97	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:41:00	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11592.13	11698.69	11687.81	11659.54	0.50	ppb
Antimony	121-1	0.36	0.41	0.39	0.39	6.44	ppb
Arsenic	75-2	24.83	25.15	24.76	24.91	0.83	ppb
Barium	135-1	209.54	206.29	209.64	208.49	0.92	ppb
Barium	137-1	206.03	208.00	206.79	206.94	0.48	ppb
Beryllium	9-1	1.35	1.39	1.43	1.39	2.83	ppb
Bismuth	209-1				95		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.52	11.64	10.57	10.91	5.83	ppb
Cadmium	106-1	7.67	8.80	6.47	7.64	15.25	ppb
Cadmium	111-1	9.98	9.68	9.85	9.83	1.53	ppb
Calcium	43-1	5914.80	6000.24	5997.46	5970.83	0.81	ppb
Calcium	44-1	5560.65	5792.90	5806.92	5720.15	2.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	259.23	257.86	257.77	258.29	0.32	ppb
Cobalt	59-2	14.74	14.76	14.47	14.66	1.10	ppb
Copper	63-2	344.10	343.55	344.07	343.91	0.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	32070.12	32716.24	32489.33	32425.23	1.01	ppb
Iron	57-2	31152.48	31608.32	30909.60	31223.47	1.14	ppb
Iron	54-2	32300.11	31905.32	32512.18	32239.20	0.96	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:41:00	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	527.81	541.41	530.23	533.15	1.36	ppb
Lead	207-1	440.14	454.73	443.49	446.12	1.71	ppb
Lead	208-1	497.42	510.35	496.92	501.56	1.52	ppb
Lithium	6-1				83		%
Magnesium	24-2	8561.96	8125.76	8397.69	8361.80	2.63	ppb
Manganese	55-2	281.66	280.71	281.37	281.25	0.17	ppb
Molybdenum	94-1	20.69	20.97	21.08	20.92	0.96	ppb
Molybdenum	95-1	4.08	4.07	4.16	4.10	1.23	ppb
Molybdenum	96-1	5.96	5.91	5.99	5.95	0.68	ppb
Molybdenum	97-1	4.21	4.28	4.26	4.25	0.90	ppb
Molybdenum	98-1	4.18	4.16	4.12	4.16	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	89.50	89.82	88.88	89.40	0.53	ppb
Phosphorus	31-2	1246.83	1240.47	1237.58	1241.63	0.38	ppb
Potassium	39-2	2676.37	2667.12	2679.65	2674.38	0.24	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	2.31	1.42	2.04	1.92	23.77	ppb
Selenium	77-2	5.71	7.59	8.21	7.17	18.18	ppb
Selenium	78-2	2.14	1.58	3.04	2.25	32.78	ppb
Silicon	28-1	39.91	39.82	39.02	39.58	1.24	ppb
Silver	107-1	6.44	6.40	6.44	6.43	0.32	ppb
Silver	109-1	6.20	6.26	6.31	6.26	0.88	ppb
Sodium	23-2	7478.37	7498.84	7318.33	7431.84	1.33	ppb
Strontium	86-1	52.77	53.05	53.99	53.27	1.20	ppb
Strontium	88-1	53.09	52.99	54.31	53.46	1.38	ppb
Sulfur	34-1	13388.03	13441.29	13275.82	13368.38	0.63	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	0.35	0.33	0.36	0.35	4.96	ppb
Thallium	205-1	0.34	0.37	0.33	0.35	5.59	ppb
Tin	118-1	38.81	38.50	38.87	38.73	0.52	ppb
Titanium	47-1	344.14	348.39	343.90	345.48	0.73	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:41:00	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.66	1.69	1.67	1.67	1.11	ppb
Vanadium	51-2	55.28	54.48	54.62	54.79	0.78	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	706.05	710.73	706.83	707.87	0.35	ppb
Zirconium	90-1	9.69	9.69	9.83	9.74	0.80	ppb
Zirconium	91-1	9.78	9.75	9.69	9.74	0.47	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:44:13	DataFile Name :	119CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49999.70	50543.29	49956.88	50166.62	0.65	ppb
Antimony	121-1	510.81	504.99	521.21	512.34	1.60	ppb
Arsenic	75-2	486.44	494.11	478.58	486.38	1.60	ppb
Barium	135-1	2557.55	2545.11	2611.31	2571.32	1.37	ppb
Barium	137-1	2548.57	2529.81	2539.34	2539.24	0.37	ppb
Beryllium	9-1	514.49	513.78	509.82	512.70	0.49	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	488.21	479.81	492.95	486.99	1.37	ppb
Cadmium	106-1	493.22	489.66	487.46	490.11	0.59	ppb
Cadmium	111-1	484.61	477.54	486.12	482.75	0.95	ppb
Calcium	43-1	257067.43	260191.60	259064.48	258774.50	0.61	ppb
Calcium	44-1	257896.53	253722.45	257673.86	256430.95	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.42	501.49	500.95	503.62	0.83	ppb
Cobalt	59-2	511.31	504.57	508.38	508.08	0.67	ppb
Copper	63-2	5200.67	5011.26	5145.37	5119.10	1.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				93		%
Indium	115-2				91		%
Iron	56-2	137877.74	130811.69	131249.87	133313.10	2.97	ppb
Iron	57-2	134840.30	131680.85	130661.76	132394.30	1.65	ppb
Iron	54-2	136950.12	127840.55	132543.78	132444.81	3.44	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:44:13	DataFile Name :	119CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2572.84	2588.93	2585.91	2582.56	0.33	ppb
Lead	207-1	2529.51	2553.88	2481.02	2521.47	1.47	ppb
Lead	208-1	2585.46	2573.30	2528.93	2562.56	1.16	ppb
Lithium	6-1				84		%
Magnesium	24-2	250258.83	261566.46	252421.82	254749.03	2.36	ppb
Manganese	55-2	5146.35	5011.74	5103.30	5087.13	1.35	ppb
Molybdenum	94-1	4897.02	5075.39	5083.28	5018.56	2.10	ppb
Molybdenum	95-1	4900.21	5133.63	5055.20	5029.68	2.36	ppb
Molybdenum	96-1	4869.62	5092.34	5064.90	5008.96	2.42	ppb
Molybdenum	97-1	4848.62	5124.21	5061.69	5011.51	2.88	ppb
Molybdenum	98-1	4914.41	5055.24	5052.23	5007.29	1.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	498.60	487.67	488.55	491.61	1.23	ppb
Phosphorus	31-2	9951.73	9943.92	9793.05	9896.23	0.90	ppb
Potassium	39-2	129232.08	127093.12	126522.91	127616.03	1.12	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	82-1	463.91	475.72	479.41	473.01	1.71	ppb
Selenium	77-2	470.18	478.85	463.80	470.94	1.60	ppb
Selenium	78-2	469.36	469.81	471.11	470.09	0.19	ppb
Silicon	28-1	532.11	534.82	535.11	534.02	0.31	ppb
Silver	107-1	504.44	501.10	507.32	504.29	0.62	ppb
Silver	109-1	502.58	489.32	515.29	502.40	2.58	ppb
Sodium	23-2	258608.32	250828.66	257412.82	255616.60	1.64	ppb
Strontium	86-1	479.70	499.96	498.57	492.74	2.30	ppb
Strontium	88-1	503.41	524.81	512.20	513.47	2.09	ppb
Sulfur	34-1	10088.68	9980.40	10186.15	10085.08	1.02	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	513.73	522.45	502.80	512.99	1.92	ppb
Thallium	205-1	530.39	520.49	523.92	524.93	0.96	ppb
Tin	118-1	502.38	515.51	512.03	509.97	1.33	ppb
Titanium	47-1	5178.01	5175.42	5266.13	5206.52	0.99	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:44:13	DataFile Name :	119CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	495.48	502.18	491.46	496.37	1.09	ppb
Vanadium	51-2	514.20	511.81	504.80	510.27	0.96	ppb
Yttrium	89-1				96		%
Yttrium	89-2				95		%
Zinc	66-2	5014.38	4971.86	4861.95	4949.40	1.59	ppb
Zirconium	90-1	498.12	512.53	512.90	507.85	1.66	ppb
Zirconium	91-1	479.22	497.78	500.44	492.48	2.35	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:52:23	DataFile Name :	120CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.06	-0.15	-0.02	-0.07		ppb
Antimony	121-1	0.06	0.07	0.06	0.06	9.04	ppb
Arsenic	75-2	-0.02	-0.01	-0.03	-0.02		ppb
Barium	135-1	-0.01	-0.01	-0.01	-0.01		ppb
Barium	137-1	-0.02	-0.01	0.00	-0.01		ppb
Beryllium	9-1	0.01	0.00	0.02	0.01	93.46	ppb
Bismuth	209-1				93		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.05	-0.13	-0.13	-0.10		ppb
Cadmium	106-1	-3.98	-3.73	-3.70	-3.80		ppb
Cadmium	111-1	-0.28	-0.24	-0.25	-0.26		ppb
Calcium	43-1	-0.20	-3.13	-1.06	-1.46		ppb
Calcium	44-1	3.51	4.83	5.97	4.77	25.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.01	-0.06	-0.03		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.06	0.07	0.04	0.06	23.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				95		%
Indium	115-1				93		%
Indium	115-2				91		%
Iron	56-2	1.95	1.95	1.85	1.92	3.08	ppb
Iron	57-2	3.11	4.17	4.43	3.90	17.98	ppb
Iron	54-2	2.04	1.91	1.34	1.76	20.95	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:52:23	DataFile Name :	120CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.06	0.08	0.07	21.67	ppb
Lead	207-1	0.07	0.07	0.08	0.07	8.69	ppb
Lead	208-1	0.06	0.07	0.07	0.07	10.51	ppb
Lithium	6-1				78		%
Magnesium	24-2	0.27	0.66	0.33	0.42	49.44	ppb
Manganese	55-2	0.00	-0.04	-0.04	-0.03		ppb
Molybdenum	94-1	0.03	0.03	0.04	0.03	10.87	ppb
Molybdenum	95-1	0.03	0.03	0.02	0.02	12.02	ppb
Molybdenum	96-1	0.00	0.01	-0.01	0.00	1563.77	ppb
Molybdenum	97-1	-0.01	0.01	-0.01	0.00		ppb
Molybdenum	98-1	-0.01	0.02	0.00	0.00	420.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.25	-0.14	-0.19	-0.19		ppb
Phosphorus	31-2	-63.08	-62.28	-59.66	-61.67		ppb
Potassium	39-2	28.95	31.82	28.39	29.72	6.19	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				89		%
Selenium	82-1	-0.17	-0.01	-0.95	-0.38		ppb
Selenium	77-2	0.10	0.10	-0.16	0.01	1161.10	ppb
Selenium	78-2	0.19	-1.14	-1.39	-0.78		ppb
Silicon	28-1	0.56	0.40	0.59	0.52	18.96	ppb
Silver	107-1	0.00	0.00	0.00	0.00	40.67	ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	53.36	56.91	54.41	54.89	3.32	ppb
Strontium	86-1	0.07	0.03	0.04	0.05	52.69	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	73.79	ppb
Sulfur	34-1	-42.21	94.96	125.49	59.41	150.35	ppb
Terbium	159-1				94		%
Terbium	159-2				95		%
Thallium	203-1	0.03	0.02	0.02	0.02	15.15	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	44.03	ppb
Tin	118-1	0.07	0.09	0.08	0.08	10.21	ppb
Titanium	47-1	0.03	-0.01	-0.03	-0.01		ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:52:23	DataFile Name :	120CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.02	-0.01	-0.01		ppb
Vanadium	51-2	0.00	-0.01	0.00	0.00		ppb
Yttrium	89-1				92		%
Yttrium	89-2				93		%
Zinc	66-2	0.30	0.30	0.19	0.26	24.77	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	19.08	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	20.48	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:57:05	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19206.14	18934.45	18600.69	18913.76	1.60	ppb
Antimony	121-1	0.39	0.40	0.43	0.41	5.12	ppb
Arsenic	75-2	46.83	46.50	48.38	47.24	2.13	ppb
Barium	135-1	481.26	507.87	490.79	493.30	2.73	ppb
Barium	137-1	478.21	501.64	487.99	489.28	2.41	ppb
Beryllium	9-1	2.07	1.85	1.97	1.96	5.51	ppb
Bismuth	209-1				94		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	17.81	19.35	20.51	19.23	7.05	ppb
Cadmium	106-1	15.36	15.50	15.08	15.31	1.39	ppb
Cadmium	111-1	17.68	18.02	17.43	17.71	1.68	ppb
Calcium	43-1	18111.85	18315.47	18172.85	18200.06	0.57	ppb
Calcium	44-1	17341.79	17718.39	18019.50	17693.23	1.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	494.54	485.37	500.20	493.37	1.52	ppb
Cobalt	59-2	25.13	24.34	24.59	24.69	1.63	ppb
Copper	63-2	635.28	644.93	640.20	640.14	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				97		%
Indium	115-1				91		%
Indium	115-2				90		%
Iron	56-2	56560.75	56524.80	56138.22	56407.92	0.42	ppb
Iron	57-2	56573.14	54099.06	55424.14	55365.45	2.24	ppb
Iron	54-2	57816.61	56029.16	56836.63	56894.14	1.57	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:57:05	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1301.17	1329.74	1335.10	1322.00	1.38	ppb
Lead	207-1	1217.82	1246.55	1251.84	1238.74	1.48	ppb
Lead	208-1	1240.67	1282.65	1289.21	1270.84	2.07	ppb
Lithium	6-1				81		%
Magnesium	24-2	15426.44	15136.63	15036.78	15199.95	1.33	ppb
Manganese	55-2	448.74	439.70	448.62	445.69	1.16	ppb
Molybdenum	94-1	33.22	33.54	33.14	33.30	0.64	ppb
Molybdenum	95-1	6.29	6.39	6.26	6.31	1.07	ppb
Molybdenum	96-1	8.82	9.64	9.54	9.33	4.77	ppb
Molybdenum	97-1	6.27	6.57	6.51	6.45	2.47	ppb
Molybdenum	98-1	6.32	6.42	6.37	6.37	0.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	167.44	165.74	165.65	166.28	0.61	ppb
Phosphorus	31-2	2491.20	2435.71	2488.71	2471.87	1.27	ppb
Potassium	39-2	4214.09	4168.18	4263.27	4215.18	1.13	ppb
Rhodium	103-1				91		%
Rhodium	103-2				92		%
Scandium	45-1				91		%
Scandium	45-2				91		%
Selenium	82-1	4.60	4.73	3.82	4.38	11.23	ppb
Selenium	77-2	15.39	14.71	12.68	14.26	9.89	ppb
Selenium	78-2	6.25	6.45	5.74	6.15	5.94	ppb
Silicon	28-1	15.79	17.11	15.94	16.28	4.43	ppb
Silver	107-1	9.03	9.38	9.02	9.14	2.26	ppb
Silver	109-1	8.81	9.23	9.17	9.07	2.52	ppb
Sodium	23-2	13469.66	13452.19	13669.52	13530.46	0.89	ppb
Strontium	86-1	127.14	131.75	131.46	130.11	1.98	ppb
Strontium	88-1	135.15	138.07	139.32	137.51	1.56	ppb
Sulfur	34-1	27497.39	27527.46	27128.84	27384.56	0.81	ppb
Terbium	159-1				95		%
Terbium	159-2				97		%
Thallium	203-1	0.54	0.52	0.53	0.53	1.77	ppb
Thallium	205-1	0.50	0.53	0.50	0.51	3.39	ppb
Tin	118-1	61.54	65.20	62.89	63.21	2.93	ppb
Titanium	47-1	459.69	467.45	457.84	461.66	1.10	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:57:05	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.06	3.27	3.26	3.20	3.70	ppb
Vanadium	51-2	107.97	107.49	107.84	107.76	0.23	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	1336.38	1320.06	1340.41	1332.28	0.81	ppb
Zirconium	90-1	15.41	16.13	15.72	15.75	2.28	ppb
Zirconium	91-1	15.80	15.59	15.72	15.70	0.69	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:00:14	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14052.09	14125.11	14247.15	14141.45	0.70	ppb
Antimony	121-1	0.35	0.35	0.39	0.36	5.56	ppb
Arsenic	75-2	58.82	61.45	60.45	60.24	2.20	ppb
Barium	135-1	331.29	334.35	340.66	335.43	1.42	ppb
Barium	137-1	331.09	334.76	341.14	335.66	1.52	ppb
Beryllium	9-1	1.02	1.07	1.03	1.04	2.68	ppb
Bismuth	209-1				94		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.91	10.98	10.77	10.55	5.37	ppb
Cadmium	106-1	7.44	6.06	8.10	7.20	14.44	ppb
Cadmium	111-1	10.30	10.60	10.97	10.62	3.13	ppb
Calcium	43-1	6991.00	6924.03	7240.40	7051.81	2.36	ppb
Calcium	44-1	6881.96	6709.97	7015.75	6869.23	2.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	446.90	451.91	455.10	451.30	0.92	ppb
Cobalt	59-2	13.12	13.59	13.46	13.39	1.80	ppb
Copper	63-2	516.47	524.45	523.50	521.48	0.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				96		%
Indium	115-1				93		%
Indium	115-2				92		%
Iron	56-2	40297.91	40009.34	39878.24	40061.83	0.54	ppb
Iron	57-2	39376.04	39280.21	38830.03	39162.10	0.74	ppb
Iron	54-2	41241.26	40513.40	40427.94	40727.54	1.10	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:00:14	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	632.53	629.06	656.26	639.29	2.32	ppb
Lead	207-1	602.93	599.43	620.65	607.67	1.87	ppb
Lead	208-1	623.12	616.15	630.11	623.13	1.12	ppb
Lithium	6-1				80		%
Magnesium	24-2	8904.24	8824.71	8952.50	8893.82	0.73	ppb
Manganese	55-2	339.05	347.54	343.59	343.39	1.24	ppb
Molybdenum	94-1	20.48	20.53	20.44	20.48	0.22	ppb
Molybdenum	95-1	2.90	2.71	2.70	2.77	4.05	ppb
Molybdenum	96-1	4.81	4.68	4.71	4.74	1.49	ppb
Molybdenum	97-1	2.77	2.70	2.79	2.75	1.66	ppb
Molybdenum	98-1	2.73	2.66	2.68	2.69	1.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	72.43	72.48	74.17	73.02	1.36	ppb
Phosphorus	31-2	1595.30	1660.60	1617.94	1624.61	2.04	ppb
Potassium	39-2	3188.22	3215.37	3185.57	3196.39	0.52	ppb
Rhodium	103-1				91		%
Rhodium	103-2				94		%
Scandium	45-1				91		%
Scandium	45-2				92		%
Selenium	82-1	3.29	3.44	3.22	3.32	3.49	ppb
Selenium	77-2	6.01	9.50	11.37	8.96	30.40	ppb
Selenium	78-2	3.24	5.63	5.15	4.67	27.07	ppb
Silicon	28-1	17.10	16.55	18.69	17.45	6.37	ppb
Silver	107-1	7.65	7.63	7.89	7.72	1.85	ppb
Silver	109-1	7.51	7.58	7.92	7.67	2.88	ppb
Sodium	23-2	8185.08	8137.55	8194.89	8172.50	0.38	ppb
Strontium	86-1	72.78	71.01	71.10	71.63	1.39	ppb
Strontium	88-1	72.51	71.73	72.79	72.34	0.76	ppb
Sulfur	34-1	16638.37	16835.01	17413.35	16962.24	2.37	ppb
Terbium	159-1				96		%
Terbium	159-2				98		%
Thallium	203-1	0.56	0.54	0.53	0.54	2.38	ppb
Thallium	205-1	0.55	0.55	0.56	0.55	1.11	ppb
Tin	118-1	57.19	57.01	58.69	57.63	1.60	ppb
Titanium	47-1	301.29	306.56	314.94	307.60	2.24	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:00:14	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.78	1.81	1.81	1.80	0.76	ppb
Vanadium	51-2	56.54	56.86	56.50	56.63	0.34	ppb
Yttrium	89-1				96		%
Yttrium	89-2				98		%
Zinc	66-2	746.40	756.07	752.32	751.60	0.65	ppb
Zirconium	90-1	10.26	10.19	10.19	10.22	0.40	ppb
Zirconium	91-1	10.20	10.08	10.13	10.14	0.63	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:03:23	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14154.74	14380.42	14378.42	14304.53	0.91	ppb
Antimony	121-1	0.38	0.41	0.37	0.39	5.38	ppb
Arsenic	75-2	47.57	48.30	49.35	48.41	1.84	ppb
Barium	135-1	319.32	317.66	318.69	318.56	0.26	ppb
Barium	137-1	320.44	314.55	317.88	317.62	0.93	ppb
Beryllium	9-1	1.08	0.98	1.03	1.03	5.16	ppb
Bismuth	209-1				95		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.25	9.53	9.47	9.41	1.56	ppb
Cadmium	106-1	6.64	7.10	7.27	7.00	4.68	ppb
Cadmium	111-1	9.18	8.78	9.08	9.01	2.32	ppb
Calcium	43-1	4975.07	4913.16	4888.64	4925.62	0.90	ppb
Calcium	44-1	4973.42	4882.81	4958.10	4938.11	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	385.59	385.65	382.14	384.46	0.52	ppb
Cobalt	59-2	12.78	12.92	12.97	12.89	0.73	ppb
Copper	63-2	452.47	454.33	452.25	453.02	0.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	37731.77	37027.54	37141.72	37300.34	1.01	ppb
Iron	57-2	36512.11	36511.15	36803.11	36608.79	0.46	ppb
Iron	54-2	38130.22	37653.21	37868.46	37883.96	0.63	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:03:23	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	656.92	638.56	681.81	659.10	3.29	ppb
Lead	207-1	620.40	634.17	645.63	633.40	1.99	ppb
Lead	208-1	633.52	643.43	652.01	642.98	1.44	ppb
Lithium	6-1				82		%
Magnesium	24-2	8452.90	8546.26	8495.15	8498.11	0.55	ppb
Manganese	55-2	326.97	325.24	325.69	325.97	0.28	ppb
Molybdenum	94-1	20.22	19.82	20.90	20.31	2.69	ppb
Molybdenum	95-1	2.75	2.79	2.81	2.78	0.94	ppb
Molybdenum	96-1	4.84	4.76	5.02	4.87	2.78	ppb
Molybdenum	97-1	2.72	2.87	2.80	2.79	2.69	ppb
Molybdenum	98-1	2.85	2.77	2.83	2.82	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	69.96	70.24	70.33	70.18	0.27	ppb
Phosphorus	31-2	1457.88	1412.25	1457.32	1442.48	1.82	ppb
Potassium	39-2	3265.38	3261.11	3244.77	3257.09	0.33	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	3.01	2.54	3.56	3.03	16.84	ppb
Selenium	77-2	8.68	9.68	11.38	9.91	13.75	ppb
Selenium	78-2	5.10	4.37	4.85	4.78	7.76	ppb
Silicon	28-1	27.55	26.87	25.71	26.71	3.49	ppb
Silver	107-1	7.99	7.98	8.20	8.06	1.53	ppb
Silver	109-1	7.73	7.82	8.04	7.86	2.01	ppb
Sodium	23-2	8550.14	8213.25	8466.98	8410.12	2.09	ppb
Strontium	86-1	58.17	57.16	58.18	57.84	1.01	ppb
Strontium	88-1	58.85	57.37	59.00	58.41	1.55	ppb
Sulfur	34-1	16095.41	15455.25	15820.79	15790.48	2.03	ppb
Terbium	159-1				96		%
Terbium	159-2				97		%
Thallium	203-1	0.54	0.49	0.53	0.52	5.77	ppb
Thallium	205-1	0.52	0.52	0.53	0.53	1.43	ppb
Tin	118-1	70.46	69.75	70.23	70.15	0.51	ppb
Titanium	47-1	290.57	283.84	287.51	287.30	1.17	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:03:23	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.87	1.82	1.95	1.88	3.46	ppb
Vanadium	51-2	54.62	54.73	54.33	54.56	0.38	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	740.04	746.12	741.80	742.65	0.42	ppb
Zirconium	90-1	10.14	9.86	9.97	9.99	1.42	ppb
Zirconium	91-1	10.01	10.04	10.04	10.03	0.20	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:06:38	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19107.50	19130.48	19340.42	19192.80	0.67	ppb
Antimony	121-1	0.27	0.29	0.32	0.29	7.44	ppb
Arsenic	75-2	97.75	97.25	99.27	98.09	1.07	ppb
Barium	135-1	540.43	548.85	532.86	540.72	1.48	ppb
Barium	137-1	538.94	552.24	524.02	538.40	2.62	ppb
Beryllium	9-1	1.41	1.44	1.54	1.47	4.50	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	15.19	16.39	14.81	15.46	5.36	ppb
Cadmium	106-1	12.96	13.23	12.17	12.79	4.31	ppb
Cadmium	111-1	15.97	15.83	15.61	15.80	1.15	ppb
Calcium	43-1	8936.18	9089.24	9090.56	9038.66	0.98	ppb
Calcium	44-1	8820.26	8906.16	8712.79	8813.07	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	423.48	416.69	410.22	416.79	1.59	ppb
Cobalt	59-2	17.44	17.35	16.99	17.26	1.40	ppb
Copper	63-2	595.25	589.69	586.66	590.54	0.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	50243.15	50600.19	50424.83	50422.72	0.35	ppb
Iron	57-2	49810.80	50100.41	48874.32	49595.18	1.29	ppb
Iron	54-2	50451.94	49772.63	48935.56	49720.05	1.53	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:06:38	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	654.01	659.09	665.06	659.39	0.84	ppb
Lead	207-1	607.27	596.46	622.67	608.80	2.16	ppb
Lead	208-1	628.98	628.40	643.68	633.69	1.37	ppb
Lithium	6-1				83		%
Magnesium	24-2	10779.58	10790.93	10798.82	10789.78	0.09	ppb
Manganese	55-2	548.99	546.84	540.96	545.60	0.76	ppb
Molybdenum	94-1	25.59	26.99	26.24	26.27	2.68	ppb
Molybdenum	95-1	2.76	2.93	2.78	2.82	3.28	ppb
Molybdenum	96-1	5.23	5.77	5.53	5.51	4.96	ppb
Molybdenum	97-1	2.72	2.79	2.79	2.77	1.56	ppb
Molybdenum	98-1	2.74	2.73	2.84	2.77	2.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	74.41	74.58	73.96	74.32	0.43	ppb
Phosphorus	31-2	2953.78	2968.26	2894.25	2938.76	1.33	ppb
Potassium	39-2	4280.00	4314.62	4333.07	4309.23	0.63	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	4.28	4.53	4.69	4.50	4.62	ppb
Selenium	77-2	9.01	11.49	11.55	10.68	13.58	ppb
Selenium	78-2	6.60	6.04	6.18	6.27	4.60	ppb
Silicon	28-1	18.40	18.66	18.38	18.48	0.85	ppb
Silver	107-1	7.03	7.23	7.05	7.10	1.56	ppb
Silver	109-1	7.07	7.24	7.01	7.11	1.69	ppb
Sodium	23-2	10234.86	10526.85	10433.13	10398.28	1.43	ppb
Strontium	86-1	91.32	96.06	94.98	94.12	2.64	ppb
Strontium	88-1	92.00	96.02	94.26	94.10	2.14	ppb
Sulfur	34-1	17446.20	17877.71	17860.19	17728.03	1.38	ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	0.68	0.64	0.66	0.66	3.58	ppb
Thallium	205-1	0.64	0.62	0.63	0.63	1.41	ppb
Tin	118-1	61.68	62.74	60.64	61.68	1.70	ppb
Titanium	47-1	385.83	396.02	395.81	392.55	1.48	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:06:38	DataFile Name :	124SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.06	1.98	2.03	2.02	2.07	ppb
Vanadium	51-2	70.83	70.87	69.32	70.34	1.26	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	785.18	799.68	786.57	790.48	1.01	ppb
Zirconium	90-1	13.07	13.75	13.55	13.46	2.59	ppb
Zirconium	91-1	13.11	14.28	13.64	13.67	4.29	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:09:45	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19246.28	18596.92	18582.10	18808.43	2.02	ppb
Antimony	121-1	0.52	0.49	0.57	0.52	7.40	ppb
Arsenic	75-2	63.89	65.72	64.62	64.74	1.42	ppb
Barium	135-1	325.30	316.34	326.44	322.69	1.71	ppb
Barium	137-1	321.20	319.50	327.52	322.74	1.31	ppb
Beryllium	9-1	1.50	1.54	1.52	1.52	1.04	ppb
Bismuth	209-1				93		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	18.58	19.19	19.94	19.24	3.55	ppb
Cadmium	106-1	16.08	16.71	17.10	16.63	3.09	ppb
Cadmium	111-1	18.65	18.72	18.57	18.65	0.39	ppb
Calcium	43-1	11950.19	11883.88	12073.60	11969.23	0.80	ppb
Calcium	44-1	11539.40	11359.47	11553.88	11484.25	0.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	648.23	646.54	638.61	644.46	0.80	ppb
Cobalt	59-2	18.73	18.46	18.92	18.70	1.25	ppb
Copper	63-2	692.66	697.66	682.74	691.02	1.10	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				97		%
Indium	115-1				94		%
Indium	115-2				93		%
Iron	56-2	51752.47	51980.17	51776.63	51836.43	0.24	ppb
Iron	57-2	51735.60	51792.38	49970.37	51166.12	2.02	ppb
Iron	54-2	52959.26	52017.50	50765.81	51914.19	2.12	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:09:45	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	608.64	620.66	616.40	615.23	0.99	ppb
Lead	207-1	514.79	557.93	577.90	550.21	5.86	ppb
Lead	208-1	581.16	594.58	595.73	590.49	1.37	ppb
Lithium	6-1				81		%
Magnesium	24-2	11812.70	11533.83	11438.04	11594.85	1.68	ppb
Manganese	55-2	447.19	451.27	450.25	449.57	0.47	ppb
Molybdenum	94-1	27.49	27.30	29.06	27.95	3.45	ppb
Molybdenum	95-1	4.27	4.20	4.46	4.31	3.14	ppb
Molybdenum	96-1	6.97	7.09	7.34	7.14	2.60	ppb
Molybdenum	97-1	4.26	4.34	4.53	4.38	3.11	ppb
Molybdenum	98-1	4.27	4.27	4.34	4.29	0.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	126.64	127.80	127.06	127.17	0.46	ppb
Phosphorus	31-2	3471.00	3419.57	3475.71	3455.43	0.90	ppb
Potassium	39-2	4377.18	4426.09	4378.76	4394.01	0.63	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	2.86	4.13	3.21	3.40	19.33	ppb
Selenium	77-2	12.21	14.52	14.25	13.66	9.23	ppb
Selenium	78-2	4.54	5.41	3.80	4.58	17.55	ppb
Silicon	28-1	19.05	23.69	20.13	20.96	11.59	ppb
Silver	107-1	6.78	6.89	7.05	6.90	1.95	ppb
Silver	109-1	6.84	6.73	6.83	6.80	0.86	ppb
Sodium	23-2	14171.25	13899.61	14089.77	14053.54	0.99	ppb
Strontium	86-1	133.71	134.55	139.22	135.83	2.18	ppb
Strontium	88-1	137.54	142.16	147.60	142.44	3.53	ppb
Sulfur	34-1	23334.91	23232.01	24150.12	23572.35	2.13	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.53	0.56	0.57	0.55	4.28	ppb
Thallium	205-1	0.53	0.56	0.57	0.55	3.31	ppb
Tin	118-1	58.79	58.26	59.17	58.74	0.77	ppb
Titanium	47-1	528.01	532.43	538.10	532.85	0.95	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:09:45	DataFile Name :	125SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.28	2.32	2.37	2.33	1.93	ppb
Vanadium	51-2	118.31	117.07	117.34	117.57	0.56	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	973.39	982.54	977.83	977.92	0.47	ppb
Zirconium	90-1	13.46	13.59	13.77	13.61	1.14	ppb
Zirconium	91-1	13.70	13.56	14.19	13.82	2.38	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:12:55	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12402.55	12507.34	12228.59	12379.49	1.14	ppb
Antimony	121-1	0.62	0.59	0.59	0.60	2.45	ppb
Arsenic	75-2	32.90	33.84	32.49	33.08	2.09	ppb
Barium	135-1	199.22	202.31	198.14	199.89	1.08	ppb
Barium	137-1	196.41	200.72	196.41	197.85	1.26	ppb
Beryllium	9-1	1.60	1.40	1.37	1.46	8.35	ppb
Bismuth	209-1				93		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.16	10.51	10.21	10.62	4.56	ppb
Cadmium	106-1	8.24	8.33	6.92	7.83	10.06	ppb
Cadmium	111-1	9.84	9.89	9.97	9.90	0.65	ppb
Calcium	43-1	22503.74	21975.89	22731.82	22403.81	1.73	ppb
Calcium	44-1	22074.60	21208.32	22140.73	21807.88	2.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	334.30	330.21	331.10	331.87	0.65	ppb
Cobalt	59-2	18.59	18.27	18.40	18.42	0.90	ppb
Copper	63-2	371.27	363.18	367.89	367.45	1.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				97		%
Indium	115-1				94		%
Indium	115-2				93		%
Iron	56-2	46267.36	45824.80	46121.83	46071.33	0.49	ppb
Iron	57-2	46747.83	45064.54	45936.33	45916.23	1.83	ppb
Iron	54-2	47835.99	46515.82	46673.93	47008.58	1.53	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:12:55	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	532.03	545.47	542.67	540.06	1.31	ppb
Lead	207-1	455.41	460.23	472.64	462.76	1.92	ppb
Lead	208-1	506.59	516.51	522.36	515.15	1.55	ppb
Lithium	6-1				80		%
Magnesium	24-2	8649.64	8554.85	8560.92	8588.47	0.62	ppb
Manganese	55-2	405.83	405.03	401.94	404.27	0.51	ppb
Molybdenum	94-1	23.84	24.48	23.82	24.05	1.56	ppb
Molybdenum	95-1	5.18	5.55	5.52	5.42	3.82	ppb
Molybdenum	96-1	7.45	7.42	7.70	7.53	2.07	ppb
Molybdenum	97-1	5.35	5.31	5.58	5.41	2.72	ppb
Molybdenum	98-1	5.16	5.43	5.39	5.33	2.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.48	97.48	100.54	99.17	1.57	ppb
Phosphorus	31-2	1145.83	1099.20	1150.12	1131.72	2.50	ppb
Potassium	39-2	3188.68	3157.48	3181.25	3175.81	0.51	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	3.40	2.29	3.11	2.94	19.64	ppb
Selenium	77-2	10.08	10.82	7.48	9.46	18.54	ppb
Selenium	78-2	4.33	5.87	4.53	4.91	17.06	ppb
Silicon	28-1	64.18	61.27	60.94	62.13	2.87	ppb
Silver	107-1	8.32	8.52	8.35	8.40	1.33	ppb
Silver	109-1	8.10	8.52	8.28	8.30	2.50	ppb
Sodium	23-2	8736.93	8727.84	8668.22	8711.00	0.43	ppb
Strontium	86-1	154.81	159.07	159.80	157.89	1.71	ppb
Strontium	88-1	161.91	162.80	166.67	163.79	1.54	ppb
Sulfur	34-1	28469.29	28030.35	28371.77	28290.47	0.81	ppb
Terbium	159-1				94		%
Terbium	159-2				98		%
Thallium	203-1	0.35	0.32	0.32	0.33	4.88	ppb
Thallium	205-1	0.31	0.30	0.32	0.31	3.36	ppb
Tin	118-1	41.62	41.60	41.12	41.45	0.67	ppb
Titanium	47-1	387.40	375.60	388.25	383.75	1.84	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:12:55	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.07	2.09	2.13	2.10	1.58	ppb
Vanadium	51-2	63.45	62.04	62.26	62.58	1.21	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	759.26	749.57	753.09	753.97	0.65	ppb
Zirconium	90-1	10.79	11.00	11.00	10.93	1.13	ppb
Zirconium	91-1	10.37	10.92	10.93	10.74	2.99	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:16:04	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13669.46	13245.87	13865.35	13593.56	2.33	ppb
Antimony	121-1	0.39	0.40	0.39	0.39	1.71	ppb
Arsenic	75-2	50.93	51.17	50.95	51.02	0.26	ppb
Barium	135-1	344.52	355.57	354.76	351.62	1.75	ppb
Barium	137-1	343.20	357.76	352.21	351.06	2.09	ppb
Beryllium	9-1	1.03	1.00	0.95	0.99	4.22	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.00	11.36	9.58	9.98	12.32	ppb
Cadmium	106-1	6.86	8.01	7.84	7.57	8.18	ppb
Cadmium	111-1	9.22	9.69	9.13	9.35	3.25	ppb
Calcium	43-1	7832.91	7750.88	7752.26	7778.68	0.60	ppb
Calcium	44-1	7530.43	7646.05	7486.17	7554.22	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	368.77	359.87	359.03	362.55	1.49	ppb
Cobalt	59-2	12.98	12.44	12.55	12.66	2.28	ppb
Copper	63-2	466.23	457.16	463.19	462.19	1.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	40071.92	39249.49	38818.21	39379.87	1.62	ppb
Iron	57-2	39628.01	38893.41	38346.54	38955.99	1.65	ppb
Iron	54-2	39860.52	39038.03	38688.43	39195.66	1.54	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:16:04	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	587.54	588.47	582.71	586.24	0.53	ppb
Lead	207-1	548.53	552.04	546.80	549.12	0.49	ppb
Lead	208-1	564.42	571.19	565.20	566.93	0.65	ppb
Lithium	6-1				81		%
Magnesium	24-2	7348.40	7184.48	7529.48	7354.12	2.35	ppb
Manganese	55-2	350.59	343.64	345.79	346.67	1.03	ppb
Molybdenum	94-1	20.98	21.57	21.48	21.34	1.48	ppb
Molybdenum	95-1	2.85	2.92	2.96	2.91	2.03	ppb
Molybdenum	96-1	5.08	5.12	5.15	5.12	0.70	ppb
Molybdenum	97-1	2.94	2.82	3.02	2.92	3.42	ppb
Molybdenum	98-1	2.95	2.84	2.93	2.91	2.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	62.24	60.38	60.86	61.16	1.59	ppb
Phosphorus	31-2	1227.63	1219.44	1249.21	1232.09	1.25	ppb
Potassium	39-2	3187.26	3123.64	3186.11	3165.67	1.15	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	4.08	3.42	3.72	3.74	8.84	ppb
Selenium	77-2	9.61	9.73	8.30	9.21	8.61	ppb
Selenium	78-2	4.50	5.73	5.76	5.33	13.50	ppb
Silicon	28-1	42.97	43.61	43.10	43.23	0.79	ppb
Silver	107-1	8.47	8.73	8.93	8.71	2.67	ppb
Silver	109-1	8.40	8.80	8.63	8.61	2.28	ppb
Sodium	23-2	3993.89	4076.01	4014.78	4028.23	1.06	ppb
Strontium	86-1	74.84	72.72	75.19	74.25	1.79	ppb
Strontium	88-1	74.25	73.96	75.26	74.49	0.92	ppb
Sulfur	34-1	17472.60	17295.12	17369.86	17379.19	0.51	ppb
Terbium	159-1				96		%
Terbium	159-2				100		%
Thallium	203-1	0.47	0.49	0.50	0.49	4.08	ppb
Thallium	205-1	0.49	0.45	0.49	0.48	5.76	ppb
Tin	118-1	34.29	35.73	35.55	35.19	2.23	ppb
Titanium	47-1	337.33	336.19	339.80	337.77	0.55	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:16:04	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.84	1.83	1.91	1.86	2.42	ppb
Vanadium	51-2	51.37	51.07	50.92	51.12	0.45	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	671.53	662.44	673.77	669.24	0.90	ppb
Zirconium	90-1	10.60	10.35	10.55	10.50	1.27	ppb
Zirconium	91-1	10.40	10.21	10.55	10.39	1.66	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:19:19	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23601.71	24507.33	24368.47	24159.17	2.02	ppb
Antimony	121-1	0.29	0.29	0.31	0.30	2.95	ppb
Arsenic	75-2	52.91	55.46	55.95	54.77	2.99	ppb
Barium	135-1	330.51	326.68	332.27	329.82	0.87	ppb
Barium	137-1	329.39	322.91	326.86	326.39	1.00	ppb
Beryllium	9-1	1.64	1.70	1.72	1.69	2.32	ppb
Bismuth	209-1				94		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.96	3.38	3.75	3.70	7.94	ppb
Cadmium	106-1	2.71	1.80	1.90	2.14	23.20	ppb
Cadmium	111-1	2.45	2.58	2.63	2.55	3.66	ppb
Calcium	43-1	7854.52	7972.99	7987.82	7938.44	0.92	ppb
Calcium	44-1	7518.97	7719.41	7827.84	7688.74	2.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	153.55	155.98	155.47	155.00	0.83	ppb
Cobalt	59-2	20.32	21.08	20.85	20.75	1.88	ppb
Copper	63-2	272.79	280.41	279.80	277.66	1.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	62451.08	62887.30	63034.21	62790.87	0.48	ppb
Iron	57-2	60737.80	60212.19	60819.23	60589.74	0.54	ppb
Iron	54-2	60668.07	62976.64	63483.64	62376.12	2.41	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:19:19	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	363.11	358.21	377.89	366.40	2.80	ppb
Lead	207-1	346.15	342.29	355.85	348.10	2.01	ppb
Lead	208-1	376.81	370.03	382.18	376.34	1.62	ppb
Lithium	6-1				82		%
Magnesium	24-2	10711.16	11329.63	11060.10	11033.63	2.81	ppb
Manganese	55-2	1762.72	1761.51	1726.93	1750.38	1.16	ppb
Molybdenum	94-1	33.04	32.81	33.19	33.02	0.59	ppb
Molybdenum	95-1	1.76	1.75	1.74	1.75	0.49	ppb
Molybdenum	96-1	5.36	5.73	5.48	5.52	3.38	ppb
Molybdenum	97-1	1.69	1.90	1.83	1.81	5.70	ppb
Molybdenum	98-1	1.75	1.74	1.71	1.73	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	62.69	63.75	63.64	63.36	0.92	ppb
Phosphorus	31-2	1688.22	1691.06	1728.36	1702.55	1.32	ppb
Potassium	39-2	4443.27	4450.19	4331.77	4408.41	1.51	ppb
Rhodium	103-1				94		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	4.30	4.03	3.12	3.82	16.08	ppb
Selenium	77-2	14.58	17.05	15.63	15.75	7.86	ppb
Selenium	78-2	8.17	7.27	6.63	7.36	10.52	ppb
Silicon	28-1	70.56	67.47	68.81	68.95	2.25	ppb
Silver	107-1	4.04	4.05	4.03	4.04	0.23	ppb
Silver	109-1	3.99	3.96	3.93	3.96	0.80	ppb
Sodium	23-2	4118.93	3891.94	3827.85	3946.24	3.88	ppb
Strontium	86-1	73.95	73.66	74.64	74.08	0.68	ppb
Strontium	88-1	75.41	74.58	75.53	75.17	0.69	ppb
Sulfur	34-1	13135.93	13258.81	13376.02	13256.92	0.91	ppb
Terbium	159-1				95		%
Terbium	159-2				100		%
Thallium	203-1	0.52	0.50	0.53	0.52	2.96	ppb
Thallium	205-1	0.49	0.50	0.53	0.51	3.50	ppb
Tin	118-1	55.92	55.13	56.80	55.95	1.49	ppb
Titanium	47-1	421.08	427.35	429.71	426.05	1.05	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:19:19	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.47	2.37	2.46	2.43	2.18	ppb
Vanadium	51-2	68.63	70.44	69.72	69.60	1.31	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	517.91	526.70	534.35	526.32	1.56	ppb
Zirconium	90-1	17.58	17.46	17.51	17.52	0.36	ppb
Zirconium	91-1	17.60	17.41	17.68	17.56	0.78	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:22:31	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14718.00	14517.05	14502.84	14579.30	0.83	ppb
Antimony	121-1	0.55	0.55	0.54	0.55	0.69	ppb
Arsenic	75-2	45.55	44.35	45.55	45.15	1.53	ppb
Barium	135-1	285.26	279.12	283.91	282.76	1.14	ppb
Barium	137-1	285.00	278.80	282.33	282.04	1.10	ppb
Beryllium	9-1	1.03	1.25	1.04	1.11	11.21	ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.33	9.35	9.88	10.18	10.05	ppb
Cadmium	106-1	9.08	8.21	6.43	7.90	17.09	ppb
Cadmium	111-1	10.46	10.20	10.32	10.33	1.29	ppb
Calcium	43-1	7173.57	7050.05	7151.42	7125.02	0.92	ppb
Calcium	44-1	7043.62	6796.26	7017.38	6952.42	1.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	397.44	397.08	401.84	398.78	0.66	ppb
Cobalt	59-2	13.79	13.84	13.70	13.78	0.50	ppb
Copper	63-2	425.05	432.05	431.42	429.51	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	42010.84	41991.56	41248.33	41750.24	1.04	ppb
Iron	57-2	40108.95	40727.62	41850.35	40895.64	2.16	ppb
Iron	54-2	41351.87	41837.46	42240.83	41810.06	1.06	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:22:31	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	572.89	577.62	575.11	575.21	0.41	ppb
Lead	207-1	482.92	528.96	552.65	521.51	6.80	ppb
Lead	208-1	545.02	555.54	561.56	554.04	1.51	ppb
Lithium	6-1				83		%
Magnesium	24-2	8195.66	8284.52	8271.22	8250.46	0.58	ppb
Manganese	55-2	398.67	404.44	405.13	402.75	0.88	ppb
Molybdenum	94-1	22.02	22.53	22.54	22.36	1.32	ppb
Molybdenum	95-1	3.18	3.06	3.37	3.20	4.89	ppb
Molybdenum	96-1	5.45	5.56	5.59	5.53	1.36	ppb
Molybdenum	97-1	3.32	3.48	3.51	3.44	3.03	ppb
Molybdenum	98-1	3.25	3.28	3.31	3.28	0.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	69.99	69.23	69.52	69.58	0.55	ppb
Phosphorus	31-2	1313.21	1299.65	1382.77	1331.87	3.35	ppb
Potassium	39-2	3079.07	3120.28	3107.22	3102.19	0.68	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	2.32	2.95	2.16	2.48	16.96	ppb
Selenium	77-2	7.08	10.48	10.59	9.38	21.30	ppb
Selenium	78-2	4.14	3.85	4.96	4.32	13.37	ppb
Silicon	28-1	61.25	61.64	58.77	60.55	2.57	ppb
Silver	107-1	10.02	9.79	9.73	9.85	1.58	ppb
Silver	109-1	9.78	9.65	9.73	9.72	0.66	ppb
Sodium	23-2	2848.23	2920.54	2910.82	2893.20	1.36	ppb
Strontium	86-1	65.78	67.04	67.12	66.65	1.13	ppb
Strontium	88-1	67.02	67.40	68.18	67.53	0.88	ppb
Sulfur	34-1	18889.54	18571.26	18904.23	18788.35	1.00	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.38	0.40	0.38	0.39	3.70	ppb
Thallium	205-1	0.37	0.39	0.37	0.38	2.39	ppb
Tin	118-1	26.22	25.72	26.24	26.06	1.13	ppb
Titanium	47-1	365.94	357.32	360.10	361.12	1.22	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:22:31	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.02	1.93	1.97	1.97	2.23	ppb
Vanadium	51-2	63.86	64.19	63.77	63.94	0.34	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	668.23	670.64	673.07	670.65	0.36	ppb
Zirconium	90-1	11.10	11.00	10.96	11.02	0.64	ppb
Zirconium	91-1	11.04	11.06	10.92	11.00	0.67	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:25:47	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21997.55	22638.18	22296.26	22310.66	1.44	ppb
Antimony	121-1	0.63	0.69	0.62	0.64	5.51	ppb
Arsenic	75-2	59.56	61.50	58.69	59.92	2.40	ppb
Barium	135-1	397.41	401.67	396.49	398.52	0.69	ppb
Barium	137-1	393.73	404.07	398.86	398.89	1.30	ppb
Beryllium	9-1	1.96	1.75	1.91	1.87	6.04	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.38	23.01	22.40	23.60	6.66	ppb
Cadmium	106-1	19.88	19.94	20.14	19.99	0.68	ppb
Cadmium	111-1	21.53	22.30	21.95	21.92	1.77	ppb
Calcium	43-1	15594.63	15473.10	16077.97	15715.23	2.04	ppb
Calcium	44-1	15080.06	14941.74	15017.70	15013.17	0.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	774.72	788.17	749.49	770.79	2.55	ppb
Cobalt	59-2	25.01	25.23	25.15	25.13	0.43	ppb
Copper	63-2	840.83	812.80	817.23	823.62	1.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	56-2	65265.15	65368.12	64087.20	64906.82	1.10	ppb
Iron	57-2	65436.03	64190.67	62377.43	64001.38	2.40	ppb
Iron	54-2	65335.08	67032.32	64480.42	65615.94	1.98	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:25:47	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	763.17	757.80	766.66	762.54	0.59	ppb
Lead	207-1	734.42	759.71	731.47	741.87	2.09	ppb
Lead	208-1	739.17	763.73	750.75	751.22	1.64	ppb
Lithium	6-1				83		%
Magnesium	24-2	15514.53	15312.33	14952.88	15259.91	1.86	ppb
Manganese	55-2	572.79	572.36	563.26	569.47	0.95	ppb
Molybdenum	94-1	39.36	39.23	38.64	39.08	0.97	ppb
Molybdenum	95-1	8.11	7.91	7.83	7.95	1.79	ppb
Molybdenum	96-1	11.46	11.79	11.87	11.71	1.84	ppb
Molybdenum	97-1	8.27	7.99	8.24	8.17	1.89	ppb
Molybdenum	98-1	7.79	7.93	7.74	7.82	1.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	173.30	176.25	169.28	172.94	2.02	ppb
Phosphorus	31-2	2280.42	2289.37	2228.80	2266.20	1.44	ppb
Potassium	39-2	5292.51	5368.56	5259.80	5306.96	1.05	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	82-1	5.01	5.31	3.93	4.75	15.22	ppb
Selenium	77-2	11.05	14.59	12.83	12.82	13.79	ppb
Selenium	78-2	4.44	6.19	6.84	5.82	21.36	ppb
Silicon	28-1	57.81	58.67	64.00	60.16	5.57	ppb
Silver	107-1	9.45	9.78	9.60	9.61	1.75	ppb
Silver	109-1	9.10	9.50	9.42	9.34	2.31	ppb
Sodium	23-2	15655.30	15658.21	15269.36	15527.62	1.44	ppb
Strontium	86-1	139.13	139.63	139.27	139.34	0.18	ppb
Strontium	88-1	147.37	143.78	145.62	145.59	1.24	ppb
Sulfur	34-1	30274.91	29433.31	30967.31	30225.18	2.54	ppb
Terbium	159-1				96		%
Terbium	159-2				99		%
Thallium	203-1	0.60	0.66	0.56	0.61	8.18	ppb
Thallium	205-1	0.59	0.58	0.60	0.59	1.33	ppb
Tin	118-1	62.91	64.62	64.12	63.88	1.38	ppb
Titanium	47-1	582.36	574.53	592.31	583.07	1.53	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:25:47	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.15	4.13	4.13	4.14	0.36	ppb
Vanadium	51-2	127.97	127.59	125.49	127.02	1.05	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	1312.49	1321.15	1300.58	1311.41	0.79	ppb
Zirconium	90-1	17.75	18.17	18.04	17.99	1.18	ppb
Zirconium	91-1	17.90	18.34	18.24	18.16	1.27	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:28:54	DataFile Name :	131CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52480.17	53690.65	51728.05	52632.96	1.88	ppb
Antimony	121-1	538.85	542.54	525.14	535.51	1.71	ppb
Arsenic	75-2	520.07	496.78	507.59	508.15	2.29	ppb
Barium	135-1	2717.42	2669.26	2663.72	2683.46	1.10	ppb
Barium	137-1	2661.58	2708.68	2598.77	2656.34	2.08	ppb
Beryllium	9-1	530.60	532.49	538.26	533.78	0.75	ppb
Bismuth	209-1				91		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	507.16	510.19	506.59	507.98	0.38	ppb
Cadmium	106-1	504.75	506.46	495.08	502.10	1.22	ppb
Cadmium	111-1	505.68	508.65	496.47	503.60	1.26	ppb
Calcium	43-1	261103.89	269041.86	262202.86	264116.21	1.63	ppb
Calcium	44-1	262928.91	262105.63	258933.02	261322.52	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	522.97	521.50	518.27	520.92	0.46	ppb
Cobalt	59-2	534.18	523.68	521.89	526.58	1.26	ppb
Copper	63-2	5265.92	5343.39	5123.60	5244.31	2.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				98		%
Indium	115-1				92		%
Indium	115-2				88		%
Iron	56-2	138590.28	136178.15	131696.42	135488.28	2.58	ppb
Iron	57-2	137966.86	139219.45	132738.47	136641.59	2.52	ppb
Iron	54-2	136807.02	136770.09	136074.38	136550.50	0.30	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:28:54	DataFile Name :	131CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2664.39	2743.36	2700.88	2702.88	1.46	ppb
Lead	207-1	2624.88	2628.83	2587.67	2613.79	0.87	ppb
Lead	208-1	2626.36	2678.89	2650.57	2651.94	0.99	ppb
Lithium	6-1				83		%
Magnesium	24-2	265631.09	267085.44	254951.65	262556.06	2.52	ppb
Manganese	55-2	5320.82	5344.01	5320.52	5328.45	0.25	ppb
Molybdenum	94-1	5315.35	5342.24	5239.75	5299.11	1.00	ppb
Molybdenum	95-1	5186.41	5252.18	5210.21	5216.27	0.64	ppb
Molybdenum	96-1	5286.66	5299.63	5304.94	5297.07	0.18	ppb
Molybdenum	97-1	5370.69	5315.15	5311.10	5332.31	0.62	ppb
Molybdenum	98-1	5309.79	5292.47	5141.84	5248.03	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.18	513.69	502.24	507.37	1.15	ppb
Phosphorus	31-2	10361.19	10324.93	10357.38	10347.83	0.19	ppb
Potassium	39-2	129274.72	130270.66	129023.10	129522.83	0.51	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	493.64	491.69	483.00	489.44	1.16	ppb
Selenium	77-2	502.90	485.77	478.76	489.14	2.54	ppb
Selenium	78-2	498.35	485.20	475.21	486.25	2.39	ppb
Silicon	28-1	570.00	576.06	555.49	567.18	1.86	ppb
Silver	107-1	536.51	536.65	516.37	529.84	2.20	ppb
Silver	109-1	528.97	513.44	521.29	521.23	1.49	ppb
Sodium	23-2	264298.25	262647.53	260350.17	262431.98	0.76	ppb
Strontium	86-1	514.96	516.62	510.24	513.94	0.64	ppb
Strontium	88-1	535.12	532.35	525.93	531.14	0.89	ppb
Sulfur	34-1	10225.87	10125.73	10096.38	10149.33	0.67	ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	551.08	548.26	563.01	554.12	1.41	ppb
Thallium	205-1	543.06	545.34	538.95	542.45	0.60	ppb
Tin	118-1	536.20	549.69	529.45	538.45	1.91	ppb
Titanium	47-1	5326.59	5378.19	5310.92	5338.56	0.66	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:28:54	DataFile Name :	131CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	513.69	504.42	513.21	510.44	1.02	ppb
Vanadium	51-2	530.99	531.13	525.06	529.06	0.65	ppb
Yttrium	89-1				94		%
Yttrium	89-2				93		%
Zinc	66-2	5162.97	5221.94	5090.05	5158.32	1.28	ppb
Zirconium	90-1	542.24	542.72	531.61	538.85	1.17	ppb
Zirconium	91-1	517.47	517.61	513.27	516.11	0.48	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:31:49	DataFile Name :	132CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.29	0.52	0.40	0.21	210.86	ppb
Antimony	121-1	0.17	0.17	0.19	0.18	6.67	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00		ppb
Barium	135-1	0.01	0.00	-0.02	0.00		ppb
Barium	137-1	0.02	0.01	-0.01	0.01	231.69	ppb
Beryllium	9-1	0.01	0.01	0.00	0.01	159.11	ppb
Bismuth	209-1				92		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.05	-0.05	0.01	879.99	ppb
Cadmium	106-1	-2.23	-4.06	-2.98	-3.09		ppb
Cadmium	111-1	-0.14	-0.27	-0.19	-0.20		ppb
Calcium	43-1	-0.67	-1.81	0.02	-0.82		ppb
Calcium	44-1	15.86	15.43	14.35	15.21	5.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.02	-0.04	-0.02		ppb
Cobalt	59-2	-0.02	-0.02	-0.01	-0.02		ppb
Copper	63-2	0.19	0.17	0.17	0.18	6.61	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				93		%
Holmium	165-2				96		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	56-2	3.01	3.55	2.93	3.16	10.60	ppb
Iron	57-2	6.48	3.84	2.72	4.35	44.42	ppb
Iron	54-2	3.25	3.81	4.34	3.80	14.32	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:31:49	DataFile Name :	132CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.11	0.12	0.11	0.11	4.04	ppb
Lead	207-1	0.11	0.10	0.11	0.10	5.06	ppb
Lead	208-1	0.11	0.10	0.11	0.11	2.01	ppb
Lithium	6-1				80		%
Magnesium	24-2	1.25	2.30	1.40	1.65	34.33	ppb
Manganese	55-2	0.01	0.03	-0.02	0.01	342.37	ppb
Molybdenum	94-1	0.24	0.17	0.16	0.19	21.66	ppb
Molybdenum	95-1	0.15	0.19	0.14	0.16	16.16	ppb
Molybdenum	96-1	0.19	0.14	0.15	0.16	14.69	ppb
Molybdenum	97-1	0.16	0.17	0.15	0.16	6.54	ppb
Molybdenum	98-1	0.15	0.13	0.11	0.13	14.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.23	-0.20	-0.16	-0.20		ppb
Phosphorus	31-2	-61.41	-65.93	-62.54	-63.29		ppb
Potassium	39-2	44.01	47.87	39.76	43.88	9.24	ppb
Rhodium	103-1				91		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				89		%
Selenium	82-1	0.15	0.17	-0.36	-0.01		ppb
Selenium	77-2	-0.16	-0.16	0.10	-0.07		ppb
Selenium	78-2	0.04	0.70	-0.44	0.10	567.57	ppb
Silicon	28-1	0.33	0.60	0.22	0.38	51.40	ppb
Silver	107-1	0.03	0.02	0.02	0.03	30.83	ppb
Silver	109-1	0.04	0.03	0.03	0.03	20.41	ppb
Sodium	23-2	70.67	71.57	67.34	69.86	3.19	ppb
Strontium	86-1	0.04	0.03	0.08	0.05	51.54	ppb
Strontium	88-1	0.01	0.01	0.00	0.01	45.73	ppb
Sulfur	34-1	28.17	163.25	-184.06	2.45	7138.88	ppb
Terbium	159-1				95		%
Terbium	159-2				97		%
Thallium	203-1	0.03	0.03	0.03	0.03	5.12	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	13.70	ppb
Tin	118-1	0.06	0.07	0.11	0.08	34.71	ppb
Titanium	47-1	0.05	0.05	0.04	0.05	19.94	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:31:49	DataFile Name :	132CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	555.85	ppb
Yttrium	89-1				92		%
Yttrium	89-2				94		%
Zinc	66-2	0.24	0.48	0.36	0.36	33.17	ppb
Zirconium	90-1	0.04	0.05	0.04	0.04	8.27	ppb
Zirconium	91-1	0.05	0.04	0.04	0.04	18.39	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:35:12	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15920.31	16194.19	15921.07	16011.86	0.99	ppb
Antimony	121-1	0.24	0.26	0.28	0.26	7.69	ppb
Arsenic	75-2	24.62	24.40	24.74	24.58	0.71	ppb
Barium	135-1	194.07	198.67	202.67	198.47	2.17	ppb
Barium	137-1	195.91	198.02	201.76	198.56	1.49	ppb
Beryllium	9-1	1.41	1.43	1.41	1.42	0.97	ppb
Bismuth	209-1				95		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.97	10.55	12.49	11.34	9.00	ppb
Cadmium	106-1	9.94	9.52	9.26	9.57	3.58	ppb
Cadmium	111-1	9.25	9.63	9.34	9.41	2.15	ppb
Calcium	43-1	8662.08	8524.40	8736.02	8640.83	1.24	ppb
Calcium	44-1	8309.65	8317.08	8716.38	8447.70	2.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	312.57	313.43	308.15	311.38	0.91	ppb
Cobalt	59-2	17.43	17.30	17.56	17.43	0.75	ppb
Copper	63-2	402.98	401.95	399.13	401.35	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				95		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	56-2	47397.25	47030.65	46010.99	46812.97	1.53	ppb
Iron	57-2	46073.06	45833.64	45668.82	45858.51	0.44	ppb
Iron	54-2	46358.63	48047.24	46588.61	46998.16	1.95	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:35:12	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	934.06	899.03	886.50	906.53	2.72	ppb
Lead	207-1	920.77	856.39	884.84	887.34	3.64	ppb
Lead	208-1	910.63	865.18	869.75	881.86	2.84	ppb
Lithium	6-1				81		%
Magnesium	24-2	11520.81	11716.12	11729.81	11655.58	1.00	ppb
Manganese	55-2	432.60	428.88	427.95	429.81	0.57	ppb
Molybdenum	94-1	28.75	29.95	30.16	29.62	2.56	ppb
Molybdenum	95-1	5.33	5.39	5.67	5.46	3.32	ppb
Molybdenum	96-1	7.95	8.15	8.46	8.19	3.10	ppb
Molybdenum	97-1	5.33	5.67	5.63	5.54	3.42	ppb
Molybdenum	98-1	5.27	5.30	5.61	5.39	3.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.06	95.45	95.74	95.75	0.32	ppb
Phosphorus	31-2	1125.34	1148.65	1149.53	1141.17	1.20	ppb
Potassium	39-2	4147.97	4184.43	4175.37	4169.25	0.46	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				91		%
Scandium	45-2				93		%
Selenium	82-1	2.52	2.71	2.51	2.58	4.32	ppb
Selenium	77-2	6.50	11.06	7.91	8.49	27.53	ppb
Selenium	78-2	2.69	1.86	0.42	1.66	69.40	ppb
Silicon	28-1	18.33	18.28	19.38	18.66	3.33	ppb
Silver	107-1	8.63	8.74	9.04	8.80	2.37	ppb
Silver	109-1	8.52	8.56	8.84	8.64	2.01	ppb
Sodium	23-2	14380.31	14397.55	14179.42	14319.09	0.85	ppb
Strontium	86-1	64.29	65.52	66.92	65.57	2.01	ppb
Strontium	88-1	64.87	66.92	67.67	66.49	2.18	ppb
Sulfur	34-1	23113.26	23031.81	23771.46	23305.51	1.74	ppb
Terbium	159-1				95		%
Terbium	159-2				97		%
Thallium	203-1	0.40	0.40	0.39	0.40	1.69	ppb
Thallium	205-1	0.38	0.37	0.40	0.39	4.05	ppb
Tin	118-1	49.37	50.61	51.90	50.63	2.50	ppb
Titanium	47-1	417.91	415.71	433.24	422.29	2.26	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:35:12	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.24	2.21	2.24	2.23	0.66	ppb
Vanadium	51-2	62.01	61.89	61.83	61.91	0.15	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	773.60	777.34	770.10	773.68	0.47	ppb
Zirconium	90-1	13.39	13.76	13.90	13.68	1.90	ppb
Zirconium	91-1	13.75	13.69	14.35	13.93	2.63	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:38:24	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19993.41	19949.37	19707.40	19883.39	0.77	ppb
Antimony	121-1	0.43	0.43	0.42	0.43	0.63	ppb
Arsenic	75-2	54.20	54.10	52.70	53.67	1.56	ppb
Barium	135-1	325.91	315.43	330.32	323.89	2.36	ppb
Barium	137-1	325.80	317.59	329.04	324.15	1.82	ppb
Beryllium	9-1	1.51	1.52	1.45	1.49	2.38	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	11.30	12.34	13.31	12.32	8.15	ppb
Cadmium	106-1	9.68	9.34	11.15	10.06	9.60	ppb
Cadmium	111-1	12.11	11.57	12.09	11.92	2.54	ppb
Calcium	43-1	7805.45	7907.57	7953.94	7888.99	0.96	ppb
Calcium	44-1	7728.50	7975.17	7610.53	7771.40	2.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	494.10	479.91	482.67	485.56	1.55	ppb
Cobalt	59-2	16.82	16.78	16.45	16.68	1.21	ppb
Copper	63-2	558.04	539.75	540.24	546.01	1.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				100		%
Indium	115-1				94		%
Indium	115-2				93		%
Iron	56-2	54727.70	55015.17	53877.74	54540.20	1.08	ppb
Iron	57-2	54519.00	53861.55	53194.95	53858.50	1.23	ppb
Iron	54-2	56031.57	55131.94	54394.55	55186.02	1.49	ppb
Krypton	83-1						cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:38:24	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	620.17	619.43	638.92	626.17	1.76	ppb
Lead	207-1	588.07	579.57	598.40	588.68	1.60	ppb
Lead	208-1	610.02	594.63	615.75	606.80	1.80	ppb
Lithium	6-1				84		%
Magnesium	24-2	11005.32	11112.63	11171.63	11096.53	0.76	ppb
Manganese	55-2	504.43	494.36	501.18	499.99	1.03	ppb
Molybdenum	94-1	28.29	28.21	28.10	28.20	0.35	ppb
Molybdenum	95-1	3.47	3.49	3.56	3.51	1.37	ppb
Molybdenum	96-1	6.27	6.22	6.29	6.26	0.60	ppb
Molybdenum	97-1	3.43	3.56	3.61	3.53	2.59	ppb
Molybdenum	98-1	3.44	3.50	3.48	3.48	0.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	81.76	81.38	79.61	80.92	1.42	ppb
Phosphorus	31-2	2696.42	2695.23	2636.62	2676.09	1.28	ppb
Potassium	39-2	4362.53	4206.93	4215.47	4261.64	2.05	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	2.87	3.43	2.90	3.07	10.22	ppb
Selenium	77-2	7.01	14.77	10.36	10.72	36.32	ppb
Selenium	78-2	4.68	4.70	4.77	4.72	0.97	ppb
Silicon	28-1	90.37	82.61	83.95	85.64	4.84	ppb
Silver	107-1	8.96	8.84	9.29	9.03	2.57	ppb
Silver	109-1	8.86	8.81	8.98	8.89	0.98	ppb
Sodium	23-2	12866.79	12726.54	12581.99	12725.11	1.12	ppb
Strontium	86-1	91.88	94.19	94.81	93.63	1.65	ppb
Strontium	88-1	93.65	96.31	95.21	95.06	1.41	ppb
Sulfur	34-1	22154.51	22589.84	22315.74	22353.36	0.98	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.47	0.49	0.49	0.48	2.37	ppb
Thallium	205-1	0.47	0.47	0.51	0.48	4.64	ppb
Tin	118-1	42.70	48.66	43.70	45.02	7.09	ppb
Titanium	47-1	452.44	474.90	453.67	460.34	2.74	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:38:24	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.10	2.09	2.13	2.11	0.89	ppb
Vanadium	51-2	84.55	83.13	82.56	83.41	1.23	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	750.11	730.88	731.38	737.46	1.49	ppb
Zirconium	90-1	13.89	14.31	14.14	14.11	1.53	ppb
Zirconium	91-1	14.06	14.28	14.16	14.17	0.78	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:41:32	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19837.29	19977.40	20063.60	19959.43	0.57	ppb
Antimony	121-1	0.38	0.42	0.42	0.41	5.40	ppb
Arsenic	75-2	52.00	54.33	54.14	53.49	2.41	ppb
Barium	135-1	311.99	339.31	332.14	327.81	4.32	ppb
Barium	137-1	309.84	336.23	329.83	325.30	4.23	ppb
Beryllium	9-1	1.30	1.35	1.45	1.37	5.80	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.17	12.02	11.82	11.34	8.96	ppb
Cadmium	106-1	8.52	9.58	10.81	9.64	11.89	ppb
Cadmium	111-1	11.25	12.20	12.25	11.90	4.74	ppb
Calcium	43-1	7798.44	7795.45	7822.55	7805.48	0.19	ppb
Calcium	44-1	7453.24	7742.28	7471.18	7555.57	2.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	479.66	487.37	485.76	484.26	0.84	ppb
Cobalt	59-2	16.85	16.60	16.76	16.74	0.74	ppb
Copper	63-2	531.92	541.77	548.09	540.59	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				98		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				94		%
Iron	56-2	53080.03	54473.27	54290.21	53947.84	1.40	ppb
Iron	57-2	52648.13	53894.41	54561.31	53701.28	1.81	ppb
Iron	54-2	55494.31	54456.80	55288.00	55079.70	1.00	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:41:32	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	598.13	646.01	589.92	611.35	4.95	ppb
Lead	207-1	575.43	601.85	580.50	585.93	2.39	ppb
Lead	208-1	588.83	626.93	591.08	602.28	3.55	ppb
Lithium	6-1				84		%
Magnesium	24-2	11177.39	11236.86	11023.46	11145.90	0.99	ppb
Manganese	55-2	494.42	494.14	502.14	496.90	0.91	ppb
Molybdenum	94-1	28.39	28.73	28.20	28.44	0.95	ppb
Molybdenum	95-1	3.45	3.44	3.47	3.45	0.40	ppb
Molybdenum	96-1	6.18	6.36	6.54	6.36	2.90	ppb
Molybdenum	97-1	3.58	3.59	3.60	3.59	0.26	ppb
Molybdenum	98-1	3.39	3.48	3.32	3.40	2.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	80.76	81.50	80.65	80.97	0.57	ppb
Phosphorus	31-2	2693.60	2679.61	2673.88	2682.36	0.38	ppb
Potassium	39-2	4256.73	4270.50	4214.50	4247.24	0.69	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	3.04	4.26	3.22	3.51	18.80	ppb
Selenium	77-2	9.10	10.39	12.37	10.62	15.51	ppb
Selenium	78-2	4.65	5.15	4.76	4.86	5.43	ppb
Silicon	28-1	113.86	100.63	77.95	97.48	18.63	ppb
Silver	107-1	8.68	9.23	9.09	9.00	3.19	ppb
Silver	109-1	8.58	9.19	9.08	8.95	3.62	ppb
Sodium	23-2	12644.96	12547.91	12589.73	12594.20	0.39	ppb
Strontium	86-1	95.38	95.52	94.98	95.29	0.29	ppb
Strontium	88-1	95.28	97.23	96.35	96.29	1.01	ppb
Sulfur	34-1	21769.48	21586.68	21812.66	21722.94	0.55	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.47	0.50	0.46	0.48	4.37	ppb
Thallium	205-1	0.47	0.50	0.48	0.48	2.65	ppb
Tin	118-1	41.53	44.75	43.80	43.36	3.81	ppb
Titanium	47-1	450.69	454.07	453.44	452.73	0.40	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:41:32	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.06	2.17	2.06	2.10	2.91	ppb
Vanadium	51-2	82.61	82.94	83.53	83.03	0.56	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	731.16	743.68	742.32	739.05	0.93	ppb
Zirconium	90-1	14.62	14.36	14.26	14.41	1.28	ppb
Zirconium	91-1	14.51	14.63	14.55	14.56	0.40	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 20:44:41	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3907.84	4007.24	3983.33	3966.14	1.31	ppb
Antimony	121-1	0.08	0.09	0.11	0.09	12.20	ppb
Arsenic	75-2	10.97	11.10	11.17	11.08	0.91	ppb
Barium	135-1	65.23	65.64	66.16	65.68	0.71	ppb
Barium	137-1	65.14	65.69	66.18	65.67	0.79	ppb
Beryllium	9-1	0.36	0.20	0.32	0.30	28.00	ppb
Bismuth	209-1				95		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.31	2.44	1.97	2.24	10.89	ppb
Cadmium	106-1	-0.68	-0.04	-0.85	-0.52		ppb
Cadmium	111-1	2.27	2.30	2.28	2.28	0.78	ppb
Calcium	43-1	1658.38	1650.27	1596.52	1635.05	2.06	ppb
Calcium	44-1	1665.82	1630.57	1622.55	1639.65	1.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	96.97	98.02	97.62	97.53	0.54	ppb
Cobalt	59-2	3.41	3.43	3.43	3.42	0.34	ppb
Copper	63-2	104.19	106.66	106.89	105.91	1.41	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				97		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	11167.66	11207.19	11186.75	11187.20	0.18	ppb
Iron	57-2	11023.01	11083.20	11084.44	11063.55	0.32	ppb
Iron	54-2	11078.84	11320.06	10995.89	11131.60	1.51	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 20:44:41	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	113.97	113.39	110.47	112.61	1.66	ppb
Lead	207-1	107.67	105.09	106.29	106.35	1.21	ppb
Lead	208-1	109.14	108.03	107.20	108.12	0.90	ppb
Lithium	6-1				83		%
Magnesium	24-2	2154.84	2204.89	2193.94	2184.56	1.20	ppb
Manganese	55-2	99.91	101.00	101.89	100.93	0.98	ppb
Molybdenum	94-1	5.73	5.72	5.89	5.78	1.69	ppb
Molybdenum	95-1	0.73	0.71	0.78	0.74	5.06	ppb
Molybdenum	96-1	1.21	1.21	1.30	1.24	4.24	ppb
Molybdenum	97-1	0.79	0.72	0.77	0.76	4.35	ppb
Molybdenum	98-1	0.67	0.65	0.73	0.68	5.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.63	16.57	16.15	16.12	2.94	ppb
Phosphorus	31-2	501.26	486.76	516.02	501.35	2.92	ppb
Potassium	39-2	917.84	921.66	929.74	923.08	0.66	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	0.42	0.30	0.92	0.55	60.37	ppb
Selenium	77-2	1.30	3.01	1.08	1.79	58.90	ppb
Selenium	78-2	1.88	0.10	1.91	1.30	79.85	ppb
Silicon	28-1	20.60	19.63	19.17	19.80	3.68	ppb
Silver	107-1	1.83	1.83	1.89	1.85	2.09	ppb
Silver	109-1	1.77	1.82	1.78	1.79	1.35	ppb
Sodium	23-2	2535.61	2602.41	2590.31	2576.11	1.38	ppb
Strontium	86-1	19.46	19.65	20.43	19.85	2.59	ppb
Strontium	88-1	19.73	19.71	20.29	19.91	1.65	ppb
Sulfur	34-1	3469.76	3242.86	3188.51	3300.38	4.52	ppb
Terbium	159-1				98		%
Terbium	159-2				98		%
Thallium	203-1	0.11	0.11	0.10	0.11	7.02	ppb
Thallium	205-1	0.10	0.10	0.09	0.10	4.06	ppb
Tin	118-1	8.76	8.76	8.83	8.79	0.47	ppb
Titanium	47-1	95.22	91.94	91.10	92.75	2.35	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 20:44:41	DataFile Name :	136SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.39	0.41	0.42	0.41	3.69	ppb
Vanadium	51-2	16.68	16.90	16.95	16.85	0.84	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	148.52	150.74	149.48	149.58	0.74	ppb
Zirconium	90-1	3.07	2.97	3.08	3.04	1.87	ppb
Zirconium	91-1	3.28	2.90	3.07	3.09	6.14	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:48:04	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22136.29	21127.73	21835.11	21699.71	2.39	ppb
Antimony	121-1	92.07	92.98	90.70	91.92	1.25	ppb
Arsenic	75-2	164.34	157.56	158.15	160.02	2.35	ppb
Barium	135-1	947.47	968.52	931.45	949.15	1.96	ppb
Barium	137-1	995.52	1019.12	956.12	990.25	3.21	ppb
Beryllium	9-1	96.09	96.61	95.89	96.20	0.39	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	108.26	112.54	108.26	109.69	2.25	ppb
Cadmium	106-1	107.91	114.42	111.72	111.35	2.94	ppb
Cadmium	111-1	113.47	114.81	112.51	113.60	1.02	ppb
Calcium	43-1	21298.54	21245.72	21425.81	21323.35	0.43	ppb
Calcium	44-1	20732.26	20808.01	20842.38	20794.22	0.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	710.94	678.09	676.98	688.67	2.80	ppb
Cobalt	59-2	115.45	112.18	114.33	113.99	1.46	ppb
Copper	63-2	1607.97	1547.27	1564.89	1573.37	1.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				93		%
Iron	56-2	60201.24	59838.61	59439.54	59826.46	0.64	ppb
Iron	57-2	59520.32	58596.47	57482.25	58533.02	1.74	ppb
Iron	54-2	60991.10	58907.14	59579.26	59825.83	1.78	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:48:04	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1458.40	1415.61	1466.43	1446.81	1.89	ppb
Lead	207-1	1385.27	1365.96	1419.58	1390.27	1.95	ppb
Lead	208-1	1432.33	1377.67	1425.01	1411.67	2.10	ppb
Lithium	6-1				84		%
Magnesium	24-2	24842.50	24466.76	24757.25	24688.84	0.80	ppb
Manganese	55-2	1358.22	1308.99	1357.52	1341.57	2.10	ppb
Molybdenum	94-1	418.42	422.95	427.32	422.90	1.05	ppb
Molybdenum	95-1	300.49	303.23	305.35	303.02	0.80	ppb
Molybdenum	96-1	314.39	321.41	324.12	319.97	1.57	ppb
Molybdenum	97-1	305.43	311.42	308.13	308.33	0.97	ppb
Molybdenum	98-1	298.93	305.38	303.93	302.75	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	238.70	235.17	232.94	235.60	1.23	ppb
Phosphorus	31-2	2926.26	2763.31	2847.50	2845.69	2.86	ppb
Potassium	39-2	8977.47	8658.94	8631.12	8755.84	2.20	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	92.06	89.97	94.27	92.10	2.34	ppb
Selenium	77-2	102.09	102.05	95.72	99.95	3.67	ppb
Selenium	78-2	97.57	92.04	92.53	94.05	3.25	ppb
Silicon	28-1	21.63	17.78	22.59	20.67	12.32	ppb
Silver	107-1	18.78	18.80	18.28	18.62	1.58	ppb
Silver	109-1	18.58	18.68	18.11	18.46	1.64	ppb
Sodium	23-2	25708.86	24551.31	24915.47	25058.55	2.36	ppb
Strontium	86-1	210.56	208.23	212.79	210.52	1.08	ppb
Strontium	88-1	217.04	218.71	222.75	219.50	1.34	ppb
Sulfur	34-1	24913.39	24471.40	24733.67	24706.16	0.90	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	82.06	81.81	85.02	82.96	2.15	ppb
Thallium	205-1	82.21	81.44	83.68	82.44	1.38	ppb
Tin	118-1	144.19	146.73	144.13	145.02	1.02	ppb
Titanium	47-1	455.88	466.05	457.61	459.85	1.18	ppb

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:48:04	DataFile Name :	137SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	75.51	75.21	79.05	76.59	2.79	ppb
Vanadium	51-2	197.90	195.56	196.56	196.68	0.60	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	2059.56	2022.91	2042.11	2041.53	0.90	ppb
Zirconium	90-1	94.26	95.34	97.35	95.65	1.64	ppb
Zirconium	91-1	94.78	97.54	97.01	96.45	1.52	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:51:11	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21762.98	21892.77	21860.26	21838.67	0.31	ppb
Antimony	121-1	91.50	91.55	90.69	91.25	0.53	ppb
Arsenic	75-2	163.60	165.10	164.40	164.37	0.46	ppb
Barium	135-1	939.42	957.80	941.21	946.15	1.07	ppb
Barium	137-1	982.15	1001.12	997.83	993.70	1.02	ppb
Beryllium	9-1	95.48	96.15	96.61	96.08	0.59	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	110.74	109.25	106.27	108.75	2.09	ppb
Cadmium	106-1	111.67	105.73	108.91	108.77	2.73	ppb
Cadmium	111-1	111.52	110.94	111.19	111.22	0.26	ppb
Calcium	43-1	20983.08	21677.43	21093.60	21251.37	1.76	ppb
Calcium	44-1	20235.92	21303.55	21069.19	20869.55	2.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	685.51	678.43	689.21	684.38	0.80	ppb
Cobalt	59-2	112.02	114.89	113.57	113.49	1.26	ppb
Copper	63-2	1582.74	1573.87	1584.40	1580.34	0.36	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				98		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	59344.61	59462.32	59559.55	59455.49	0.18	ppb
Iron	57-2	57096.16	59385.55	57240.60	57907.44	2.21	ppb
Iron	54-2	59764.11	59568.48	59607.12	59646.57	0.17	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:51:11	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1415.19	1471.55	1465.80	1450.85	2.14	ppb
Lead	207-1	1423.33	1389.67	1367.33	1393.44	2.02	ppb
Lead	208-1	1420.58	1397.66	1408.06	1408.77	0.81	ppb
Lithium	6-1				84		%
Magnesium	24-2	24095.49	24705.42	24979.29	24593.40	1.84	ppb
Manganese	55-2	1335.19	1350.12	1365.46	1350.26	1.12	ppb
Molybdenum	94-1	417.99	425.10	427.61	423.57	1.18	ppb
Molybdenum	95-1	300.00	302.63	308.09	303.57	1.36	ppb
Molybdenum	96-1	314.01	318.51	324.94	319.15	1.72	ppb
Molybdenum	97-1	307.47	312.16	313.10	310.91	0.97	ppb
Molybdenum	98-1	300.90	305.52	308.46	304.96	1.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	230.85	236.89	236.33	234.69	1.42	ppb
Phosphorus	31-2	2717.23	2849.04	2884.22	2816.83	3.13	ppb
Potassium	39-2	8693.83	8932.42	8720.31	8782.18	1.49	ppb
Rhodium	103-1				94		%
Rhodium	103-2				96		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	92.04	93.91	92.48	92.81	1.05	ppb
Selenium	77-2	101.50	92.45	95.11	96.35	4.83	ppb
Selenium	78-2	97.56	96.38	98.20	97.38	0.95	ppb
Silicon	28-1	19.50	17.95	17.16	18.21	6.55	ppb
Silver	107-1	21.78	21.82	21.58	21.73	0.59	ppb
Silver	109-1	21.44	21.35	21.49	21.43	0.34	ppb
Sodium	23-2	24971.13	25785.90	25496.83	25417.95	1.63	ppb
Strontium	86-1	207.39	212.70	216.64	212.24	2.19	ppb
Strontium	88-1	218.15	221.00	227.41	222.19	2.14	ppb
Sulfur	34-1	24412.63	25596.72	25000.41	25003.25	2.37	ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	82.22	81.51	82.33	82.02	0.54	ppb
Thallium	205-1	81.22	81.34	83.15	81.90	1.32	ppb
Tin	118-1	143.60	142.65	142.39	142.88	0.45	ppb
Titanium	47-1	456.82	479.99	456.54	464.45	2.90	ppb

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:51:11	DataFile Name :	138SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	76.60	76.51	77.17	76.76	0.46	ppb
Vanadium	51-2	191.85	199.32	197.02	196.06	1.95	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	2006.22	2055.04	2047.06	2036.11	1.29	ppb
Zirconium	90-1	95.32	96.92	99.20	97.15	2.00	ppb
Zirconium	91-1	96.20	97.85	97.78	97.27	0.96	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:54:13	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19852.28	19867.00	19853.84	19857.71	0.04	ppb
Antimony	121-1	94.03	95.63	95.30	94.99	0.89	ppb
Arsenic	75-2	148.07	148.56	149.57	148.73	0.51	ppb
Barium	135-1	717.79	734.98	730.31	727.69	1.22	ppb
Barium	137-1	707.00	725.59	713.66	715.42	1.32	ppb
Beryllium	9-1	97.16	97.60	99.01	97.92	0.99	ppb
Bismuth	209-1				95		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	102.24	104.33	109.57	105.38	3.58	ppb
Cadmium	106-1	104.73	104.48	106.39	105.20	0.98	ppb
Cadmium	111-1	107.35	108.78	108.54	108.22	0.71	ppb
Calcium	43-1	16954.11	16778.05	17376.43	17036.20	1.81	ppb
Calcium	44-1	16548.22	16294.73	16938.49	16593.81	1.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	556.49	545.37	543.43	548.43	1.28	ppb
Cobalt	59-2	111.59	109.04	109.00	109.88	1.35	ppb
Copper	63-2	1445.08	1407.31	1400.79	1417.73	1.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	55430.71	53845.13	53960.19	54412.01	1.62	ppb
Iron	57-2	54904.46	53676.77	52302.03	53627.75	2.43	ppb
Iron	54-2	55781.21	54830.19	54725.95	55112.45	1.06	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:54:13	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1054.68	1113.45	1070.97	1079.70	2.81	ppb
Lead	207-1	1000.94	1066.95	1044.48	1037.46	3.24	ppb
Lead	208-1	1043.38	1084.35	1057.25	1061.66	1.96	ppb
Lithium	6-1				83		%
Magnesium	24-2	20372.64	19926.15	19839.65	20046.15	1.43	ppb
Manganese	55-2	1393.07	1362.21	1388.93	1381.40	1.21	ppb
Molybdenum	94-1	434.80	443.02	450.00	442.60	1.72	ppb
Molybdenum	95-1	319.06	321.00	323.24	321.10	0.65	ppb
Molybdenum	96-1	333.15	334.39	342.60	336.71	1.53	ppb
Molybdenum	97-1	327.02	324.04	329.04	326.70	0.77	ppb
Molybdenum	98-1	320.79	321.75	327.18	323.24	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	166.34	164.89	163.61	164.95	0.83	ppb
Phosphorus	31-2	2549.38	2444.61	2435.47	2476.49	2.56	ppb
Potassium	39-2	8620.86	8376.29	8389.34	8462.16	1.63	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	94.27	97.76	95.93	95.99	1.82	ppb
Selenium	77-2	107.41	104.19	106.46	106.02	1.56	ppb
Selenium	78-2	97.34	98.58	97.47	97.79	0.69	ppb
Silicon	28-1	43.26	31.78	33.23	36.09	17.33	ppb
Silver	107-1	23.98	24.11	24.28	24.12	0.61	ppb
Silver	109-1	23.60	23.62	23.60	23.61	0.03	ppb
Sodium	23-2	21956.62	21323.69	21582.61	21620.97	1.47	ppb
Strontium	86-1	187.84	190.99	191.42	190.08	1.03	ppb
Strontium	88-1	201.10	199.66	206.39	202.39	1.75	ppb
Sulfur	34-1	19760.11	19586.91	20521.03	19956.02	2.49	ppb
Terbium	159-1				97		%
Terbium	159-2				98		%
Thallium	203-1	84.98	87.56	86.72	86.42	1.52	ppb
Thallium	205-1	84.10	88.36	86.98	86.48	2.52	ppb
Tin	118-1	127.13	128.43	128.43	128.00	0.59	ppb
Titanium	47-1	387.55	387.92	405.44	393.64	2.60	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:54:13	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	77.44	79.83	79.64	78.97	1.68	ppb
Vanadium	51-2	174.10	171.78	170.97	172.28	0.94	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	1621.80	1591.57	1597.74	1603.70	1.00	ppb
Zirconium	90-1	98.12	99.62	100.30	99.35	1.12	ppb
Zirconium	91-1	98.62	99.65	100.44	99.57	0.92	ppb

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:57:18	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23898.79	23970.50	24237.78	24035.69	0.74	ppb
Antimony	121-1	0.31	0.34	0.31	0.32	5.23	ppb
Arsenic	75-2	83.74	81.45	82.03	82.41	1.44	ppb
Barium	135-1	626.42	640.03	644.80	637.08	1.50	ppb
Barium	137-1	631.73	635.12	633.85	633.57	0.27	ppb
Beryllium	9-1	1.69	1.68	1.89	1.75	6.87	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.63	9.86	11.10	9.87	12.55	ppb
Cadmium	106-1	8.48	8.15	8.06	8.23	2.68	ppb
Cadmium	111-1	9.93	9.94	9.78	9.89	0.95	ppb
Calcium	43-1	11283.51	10758.94	10986.26	11009.57	2.39	ppb
Calcium	44-1	10736.87	10560.08	10792.52	10696.49	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	327.41	324.76	329.24	327.13	0.69	ppb
Cobalt	59-2	21.04	20.91	21.31	21.08	0.97	ppb
Copper	63-2	599.53	619.65	625.26	614.81	2.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				100		%
Indium	115-1				94		%
Indium	115-2				94		%
Iron	56-2	66998.48	65831.62	68246.08	67025.39	1.80	ppb
Iron	57-2	65487.31	65425.40	67089.90	66000.87	1.43	ppb
Iron	54-2	68704.69	66608.50	70108.21	68473.80	2.57	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:57:18	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	941.33	953.98	980.08	958.46	2.06	ppb
Lead	207-1	920.29	917.97	903.56	913.94	0.99	ppb
Lead	208-1	926.39	941.15	938.67	935.40	0.84	ppb
Lithium	6-1				83		%
Magnesium	24-2	13983.21	13950.82	14015.60	13983.21	0.23	ppb
Manganese	55-2	648.93	637.00	666.25	650.73	2.26	ppb
Molybdenum	94-1	33.88	32.65	33.09	33.21	1.89	ppb
Molybdenum	95-1	3.00	2.99	2.94	2.98	0.95	ppb
Molybdenum	96-1	6.54	6.50	6.38	6.47	1.36	ppb
Molybdenum	97-1	2.95	2.98	2.88	2.94	1.75	ppb
Molybdenum	98-1	2.92	2.93	2.91	2.92	0.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.42	98.00	100.39	99.60	1.40	ppb
Phosphorus	31-2	2627.58	2564.55	2557.48	2583.20	1.49	ppb
Potassium	39-2	5335.35	5228.45	5053.10	5205.63	2.74	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	82-1	5.81	5.19	5.46	5.49	5.64	ppb
Selenium	77-2	13.32	12.98	10.86	12.39	10.77	ppb
Selenium	78-2	8.45	6.60	6.74	7.26	14.19	ppb
Silicon	28-1	20.89	18.26	52.34	30.50	62.18	ppb
Silver	107-1	9.30	9.58	9.67	9.52	2.07	ppb
Silver	109-1	9.18	9.45	9.56	9.40	2.06	ppb
Sodium	23-2	10632.62	10408.51	10418.24	10486.46	1.21	ppb
Strontium	86-1	104.88	101.25	101.71	102.62	1.93	ppb
Strontium	88-1	109.49	109.37	109.72	109.53	0.16	ppb
Sulfur	34-1	27519.17	25459.91	26082.61	26353.90	4.01	ppb
Terbium	159-1				97		%
Terbium	159-2				101		%
Thallium	203-1	0.86	0.86	0.87	0.86	0.77	ppb
Thallium	205-1	0.86	0.87	0.85	0.86	1.03	ppb
Tin	118-1	86.44	89.11	87.82	87.79	1.52	ppb
Titanium	47-1	432.79	413.64	420.33	422.25	2.30	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:57:18	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.53	2.53	2.51	2.53	0.52	ppb
Vanadium	51-2	79.79	79.24	80.83	79.95	1.01	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	1068.44	1052.50	1072.26	1064.40	0.98	ppb
Zirconium	90-1	17.27	17.01	16.99	17.09	0.92	ppb
Zirconium	91-1	17.57	16.73	16.99	17.10	2.51	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 21:00:24	DataFile Name :	141SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14987.34	14906.67	15147.62	15013.88	0.82	ppb
Antimony	121-1	0.37	0.37	0.37	0.37	0.23	ppb
Arsenic	75-2	81.21	78.69	80.51	80.14	1.62	ppb
Barium	135-1	343.20	348.16	355.20	348.85	1.73	ppb
Barium	137-1	347.14	347.49	359.20	351.28	1.95	ppb
Beryllium	9-1	0.97	0.95	1.06	0.99	5.85	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.94	3.11	3.45	3.17	8.20	ppb
Cadmium	106-1	2.16	1.56	0.18	1.30	77.80	ppb
Cadmium	111-1	2.79	2.48	2.62	2.63	5.92	ppb
Calcium	43-1	5051.91	5155.90	5100.39	5102.73	1.02	ppb
Calcium	44-1	5084.06	5168.30	5099.42	5117.26	0.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	139.60	135.90	136.44	137.31	1.46	ppb
Cobalt	59-2	15.02	15.04	15.16	15.07	0.48	ppb
Copper	63-2	336.12	335.60	332.58	334.77	0.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	56913.08	55114.89	54803.17	55610.38	2.05	ppb
Iron	57-2	54664.76	54668.08	54803.98	54712.27	0.15	ppb
Iron	54-2	56004.97	55022.80	56078.40	55702.06	1.06	ppb
Krypton	83-1						cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 21:00:24	DataFile Name :	141SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	848.43	862.59	876.89	862.64	1.65	ppb
Lead	207-1	802.32	825.35	791.16	806.28	2.16	ppb
Lead	208-1	831.62	842.77	824.80	833.06	1.09	ppb
Lithium	6-1				83		%
Magnesium	24-2	8091.21	7732.17	7887.83	7903.74	2.28	ppb
Manganese	55-2	575.26	578.01	572.72	575.33	0.46	ppb
Molybdenum	94-1	20.91	22.15	21.13	21.39	3.09	ppb
Molybdenum	95-1	3.17	3.15	3.08	3.13	1.56	ppb
Molybdenum	96-1	5.22	5.49	5.05	5.25	4.19	ppb
Molybdenum	97-1	3.21	3.21	3.18	3.20	0.46	ppb
Molybdenum	98-1	3.10	3.10	3.14	3.11	0.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	65.91	66.23	65.38	65.84	0.65	ppb
Phosphorus	31-2	756.88	727.27	706.12	730.09	3.49	ppb
Potassium	39-2	2831.82	2793.37	2779.78	2801.66	0.96	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				94		%
Selenium	82-1	4.10	4.16	3.42	3.89	10.62	ppb
Selenium	77-2	12.72	12.30	12.91	12.64	2.49	ppb
Selenium	78-2	4.88	4.97	4.11	4.66	10.14	ppb
Silicon	28-1	60.61	56.57	62.18	59.79	4.84	ppb
Silver	107-1	3.92	3.99	4.06	3.99	1.76	ppb
Silver	109-1	3.93	3.93	3.91	3.92	0.34	ppb
Sodium	23-2	984.06	967.80	970.77	974.21	0.89	ppb
Strontium	86-1	40.83	41.60	40.10	40.84	1.83	ppb
Strontium	88-1	41.10	42.12	41.69	41.64	1.23	ppb
Sulfur	34-1	15770.99	16419.59	16056.66	16082.41	2.02	ppb
Terbium	159-1				96		%
Terbium	159-2				98		%
Thallium	203-1	0.52	0.52	0.47	0.50	5.53	ppb
Thallium	205-1	0.47	0.51	0.52	0.50	5.39	ppb
Tin	118-1	29.44	29.46	30.45	29.78	1.95	ppb
Titanium	47-1	309.62	312.40	304.76	308.92	1.25	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 21:00:24	DataFile Name :	141SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.78	1.81	1.82	1.80	1.01	ppb
Vanadium	51-2	51.03	49.17	49.69	49.96	1.92	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	670.08	662.00	664.82	665.63	0.62	ppb
Zirconium	90-1	10.36	10.47	10.28	10.37	0.94	ppb
Zirconium	91-1	10.45	10.72	10.30	10.49	2.03	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:03:39	DataFile Name :	142CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51398.84	50342.40	50699.30	50813.51	1.06	ppb
Antimony	121-1	518.76	513.40	528.35	520.17	1.46	ppb
Arsenic	75-2	493.47	494.75	498.29	495.50	0.50	ppb
Barium	135-1	2566.30	2614.30	2619.23	2599.94	1.12	ppb
Barium	137-1	2578.37	2596.74	2620.16	2598.42	0.81	ppb
Beryllium	9-1	522.57	518.39	516.70	519.22	0.58	ppb
Bismuth	209-1				92		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	492.15	477.52	487.10	485.59	1.53	ppb
Cadmium	106-1	497.28	497.98	493.78	496.35	0.45	ppb
Cadmium	111-1	491.05	489.60	496.27	492.31	0.71	ppb
Calcium	43-1	256479.82	260539.98	257218.87	258079.56	0.84	ppb
Calcium	44-1	260037.54	255615.91	252420.87	256024.77	1.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.01	524.60	513.56	515.72	1.55	ppb
Cobalt	59-2	523.55	520.69	540.12	528.12	1.99	ppb
Copper	63-2	5141.99	5287.45	5287.68	5239.04	1.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				101		%
Indium	115-1				93		%
Indium	115-2				90		%
Iron	56-2	133582.32	136368.80	134461.00	134804.04	1.06	ppb
Iron	57-2	134296.90	138688.07	137846.12	136943.70	1.70	ppb
Iron	54-2	134115.67	134106.84	135728.38	134650.30	0.69	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:03:39	DataFile Name :	142CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2695.88	2680.02	2661.64	2679.18	0.64	ppb
Lead	207-1	2634.66	2592.57	2593.01	2606.74	0.93	ppb
Lead	208-1	2665.62	2636.90	2637.26	2646.59	0.62	ppb
Lithium	6-1				83		%
Magnesium	24-2	260515.16	255227.00	260287.78	258676.65	1.16	ppb
Manganese	55-2	5226.61	5307.08	5302.03	5278.57	0.85	ppb
Molybdenum	94-1	5208.93	5300.17	5428.37	5312.49	2.08	ppb
Molybdenum	95-1	5131.69	5309.12	5306.21	5249.01	1.94	ppb
Molybdenum	96-1	5220.65	5335.48	5451.48	5335.87	2.16	ppb
Molybdenum	97-1	5199.97	5319.22	5337.35	5285.51	1.41	ppb
Molybdenum	98-1	5266.54	5339.94	5441.66	5349.38	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	495.74	505.48	501.08	500.77	0.97	ppb
Phosphorus	31-2	10145.46	10186.88	10210.31	10180.88	0.32	ppb
Potassium	39-2	129957.59	130127.29	130019.98	130034.95	0.07	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				92		%
Scandium	45-2				92		%
Selenium	82-1	488.31	497.62	499.08	495.00	1.18	ppb
Selenium	77-2	495.73	468.31	474.94	479.66	2.98	ppb
Selenium	78-2	476.11	466.19	472.47	471.59	1.06	ppb
Silicon	28-1	558.83	566.30	533.45	552.86	3.11	ppb
Silver	107-1	508.09	514.12	526.44	516.22	1.81	ppb
Silver	109-1	512.33	501.47	512.55	508.78	1.24	ppb
Sodium	23-2	260795.48	261213.23	257945.36	259984.69	0.68	ppb
Strontium	86-1	505.62	513.90	523.13	514.22	1.70	ppb
Strontium	88-1	537.00	540.65	542.18	539.94	0.49	ppb
Sulfur	34-1	9979.61	9844.29	9456.92	9760.27	2.78	ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	541.28	532.07	532.83	535.40	0.95	ppb
Thallium	205-1	540.61	533.10	530.69	534.80	0.97	ppb
Tin	118-1	524.47	534.64	533.48	530.86	1.05	ppb
Titanium	47-1	5269.07	5224.12	5129.14	5207.44	1.37	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:03:39	DataFile Name :	142CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	513.78	512.44	515.90	514.04	0.34	ppb
Vanadium	51-2	523.82	529.44	528.57	527.28	0.57	ppb
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	5091.91	5093.29	5120.18	5101.79	0.31	ppb
Zirconium	90-1	523.39	530.12	529.13	527.55	0.69	ppb
Zirconium	91-1	504.23	517.61	524.78	515.54	2.02	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:06:31	DataFile Name :	143CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.17	-0.31	-0.20	-0.11		ppb
Antimony	121-1	0.18	0.18	0.21	0.19	8.23	ppb
Arsenic	75-2	-0.02	-0.03	-0.01	-0.02		ppb
Barium	135-1	0.01	-0.01	-0.01	0.00		ppb
Barium	137-1	0.02	0.02	0.03	0.02	26.62	ppb
Beryllium	9-1	0.00	0.01	0.02	0.01	73.99	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.06	-0.09	-0.07		ppb
Cadmium	106-1	-2.34	-3.29	-2.33	-2.65		ppb
Cadmium	111-1	-0.15	-0.21	-0.15	-0.17		ppb
Calcium	43-1	0.73	-1.74	-3.68	-1.57		ppb
Calcium	44-1	3.80	5.80	6.70	5.44	27.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.00	0.00	0.00		ppb
Cobalt	59-2	-0.02	-0.01	-0.02	-0.02		ppb
Copper	63-2	0.16	0.17	0.14	0.16	7.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				98		%
Indium	115-1				94		%
Indium	115-2				92		%
Iron	56-2	3.03	3.18	2.91	3.04	4.49	ppb
Iron	57-2	1.69	3.15	2.98	2.61	30.74	ppb
Iron	54-2	2.90	3.07	1.84	2.60	25.68	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:06:31	DataFile Name :	143CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.12	0.13	0.11	0.12	6.49	ppb
Lead	207-1	0.11	0.11	0.11	0.11	3.31	ppb
Lead	208-1	0.11	0.12	0.11	0.11	6.82	ppb
Lithium	6-1				83		%
Magnesium	24-2	1.54	1.63	1.35	1.51	9.68	ppb
Manganese	55-2	-0.03	-0.04	0.01	-0.02		ppb
Molybdenum	94-1	0.24	0.23	0.21	0.23	6.18	ppb
Molybdenum	95-1	0.22	0.13	0.14	0.16	28.30	ppb
Molybdenum	96-1	0.19	0.18	0.15	0.17	13.62	ppb
Molybdenum	97-1	0.18	0.15	0.17	0.17	7.73	ppb
Molybdenum	98-1	0.18	0.16	0.12	0.15	22.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.17	-0.18	-0.21	-0.19		ppb
Phosphorus	31-2	-66.28	-64.51	-61.44	-64.08		ppb
Potassium	39-2	37.39	32.33	33.99	34.57	7.47	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	82-1	-0.01	0.49	-0.09	0.13	242.61	ppb
Selenium	77-2	-0.16	0.35	-0.16	0.01	2485.71	ppb
Selenium	78-2	-0.23	0.04	-0.08	-0.09		ppb
Silicon	28-1	-0.36	-0.32	-0.07	-0.25		ppb
Silver	107-1	0.04	0.04	0.02	0.03	27.43	ppb
Silver	109-1	0.04	0.03	0.03	0.03	9.05	ppb
Sodium	23-2	65.37	63.63	62.21	63.74	2.49	ppb
Strontium	86-1	0.03	0.03	0.07	0.04	56.07	ppb
Strontium	88-1	0.01	0.01	0.01	0.01	24.14	ppb
Sulfur	34-1	-221.00	-238.48	-9.80	-156.43		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.07	0.04	0.04	0.05	35.70	ppb
Thallium	205-1	0.05	0.05	0.04	0.05	15.74	ppb
Tin	118-1	0.09	0.03	0.08	0.06	44.15	ppb
Titanium	47-1	0.07	0.01	0.02	0.03	99.48	ppb

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:06:31	DataFile Name :	143CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	497.62	ppb
Yttrium	89-1				93		%
Yttrium	89-2				94		%
Zinc	66-2	0.53	0.63	0.30	0.49	34.24	ppb
Zirconium	90-1	0.05	0.05	0.04	0.05	12.20	ppb
Zirconium	91-1	0.06	0.05	0.02	0.04	46.15	ppb

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:54:14	DataFile Name :	010CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	497	480	560	512	8.24	cps
Antimony	121-1	27	37	83	49	61.86	cps
Arsenic	75-2	18	8	15	14	37.49	cps
Barium	135-1	40	53	43	46	15.23	cps
Barium	137-1	57	67	57	60	9.62	cps
Beryllium	9-1	27	7	30	21	59.77	cps
Bismuth	209-1	2947728	3058365	2983109	2996401	1.89	cps
Bismuth	209-2	2748204	2769265	2678421	2731963	1.74	cps
Bromine	81-1	7956	7872	7846	7891	0.73	cps
Bromine	81-2	130	153	130	138	9.78	cps
Cadmium	108-1	7	20	10	12	56.76	cps
Cadmium	106-1	1863	2047	1907	1939	4.94	cps
Cadmium	111-1	1333	1439	1354	1375	4.06	cps
Calcium	43-1	180	190	197	189	4.44	cps
Calcium	44-1	16359	16112	16116	16196	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1607	1637	1723	1656	3.66	cps
Cobalt	59-2	97	160	130	129	24.58	cps
Copper	63-2	880	867	823	857	3.46	cps
Dysprosium	156-1	10	7	7	8	24.71	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	13	37	13	21	63.83	cps
Erbium	164-2	10	10	13	11	17.30	cps
Gadolinium	160-1	27	23	30	27	12.51	cps
Gadolinium	160-2	247	240	293	260	11.18	cps
Holmium	165-1	4711001	4747392	4563777	4674057	2.08	cps
Holmium	165-2	3624372	3592060	3530696	3582376	1.33	cps
Indium	115-1	3797635	3757346	3838113	3797698	1.06	cps
Indium	115-2	1546224	1522855	1509886	1526322	1.21	cps
Iron	56-2	21853	21726	21909	21829	0.43	cps
Iron	57-2	1490	1517	1457	1488	2.02	cps
Iron	54-2	2220	2367	2210	2266	3.87	cps
Krypton	83-1	313	323	320	319	1.60	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:54:14	DataFile Name :	010CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	277	260	280	272	3.94	cps
Lead	207-1	220	233	170	208	16.07	cps
Lead	208-1	1023	1003	1033	1020	1.50	cps
Lithium	6-1	721829	720739	721568	721379	0.08	cps
Magnesium	24-2	343	237	273	284	19.05	cps
Manganese	55-2	700	697	780	726	6.50	cps
Molybdenum	94-1	237	190	220	216	10.97	cps
Molybdenum	95-1	120	173	153	149	18.10	cps
Molybdenum	96-1	313	237	227	259	18.32	cps
Molybdenum	97-1	143	130	147	140	6.30	cps
Molybdenum	98-1	337	300	363	333	9.54	cps
Neodymium	150-1	3	0	3	2	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	593	623	520	579	9.18	cps
Phosphorus	31-2	733	797	857	796	7.75	cps
Potassium	39-2	56267	56645	55905	56272	0.66	cps
Rhodium	103-1	3837390	3820038	3802037	3819821	0.46	cps
Rhodium	103-2	2596678	2621626	2541709	2586671	1.58	cps
Scandium	45-1	2429537	2418088	2389905	2412510	0.85	cps
Scandium	45-2	260887	255817	255430	257378	1.18	cps
Selenium	82-1	320	250	285	285	12.38	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	343	360	327	343	4.86	cps
Silicon	28-1	644903	634708	638863	639491	0.80	cps
Silver	107-1	67	83	87	79	13.58	cps
Silver	109-1	83	53	67	68	22.18	cps
Sodium	23-2	14924	14894	14831	14883	0.32	cps
Strontium	86-1	523	547	573	548	4.57	cps
Strontium	88-1	77	97	97	90	12.83	cps
Sulfur	34-1	165755	165360	166422	165846	0.32	cps
Terbium	159-1	4618147	4717195	4697029	4677457	1.12	cps
Terbium	159-2	3516894	3430933	3449297	3465708	1.31	cps
Thallium	203-1	177	137	167	160	13.01	cps
Thallium	205-1	457	427	497	460	7.63	cps
Tin	118-1	1067	967	943	992	6.60	cps
Titanium	47-1	73	53	57	61	17.53	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:54:14	DataFile Name :	010CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	260	230	207	232	11.51	cps
Vanadium	51-2	27	20	17	21	24.12	cps
Yttrium	89-1	6822713	6778192	6676419	6759108	1.11	cps
Yttrium	89-2	2075196	2062143	2049406	2062248	0.63	cps
Zinc	66-2	1380	1307	1267	1318	4.36	cps
Zirconium	90-1	250	230	307	262	15.17	cps
Zirconium	91-1	57	70	63	63	10.52	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:57:32	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4034	3911	3837	3927	2.53	cps
Antimony	121-1	9683	9910	10007	9867	1.68	cps
Arsenic	75-2	482	429	416	442	7.94	cps
Barium	135-1	11198	10908	11291	11132	1.80	cps
Barium	137-1	19380	19700	19550	19544	0.82	cps
Beryllium	9-1	1210	1053	1077	1113	7.59	cps
Bismuth	209-1	2962692	2975284	2980570	2972849	0.31	cps
Bismuth	209-2	2840547	2690659	2707828	2746345	2.99	cps
Bromine	81-1	7946	7829	7702	7825	1.56	cps
Bromine	81-2	100	133	97	110	18.43	cps
Cadmium	108-1	123	110	120	118	5.89	cps
Cadmium	106-1	2023	2227	1840	2030	9.53	cps
Cadmium	111-1	2837	3115	2694	2882	7.43	cps
Calcium	43-1	8032	7969	7905	7969	0.80	cps
Calcium	44-1	141866	141200	141433	141500	0.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7285	7122	7329	7245	1.51	cps
Cobalt	59-2	5068	4667	4661	4799	4.85	cps
Copper	63-2	7789	7395	7112	7432	4.57	cps
Dysprosium	156-1	7	3	17	9	78.08	cps
Dysprosium	156-2	20	7	7	11	69.25	cps
Erbium	164-1	17	27	37	27	37.50	cps
Erbium	164-2	13	20	10	14	35.26	cps
Gadolinium	160-1	37	40	13	30	48.44	cps
Gadolinium	160-2	300	290	280	290	3.45	cps
Holmium	165-1	4539262	4561719	4698934	4599972	1.88	cps
Holmium	165-2	3574942	3484869	3582014	3547275	1.53	cps
Indium	115-1	3798989	3768195	3794207	3787130	0.44	cps
Indium	115-2	1536276	1517272	1527110	1526886	0.62	cps
Iron	56-2	158628	159193	157503	158441	0.54	cps
Iron	57-2	5333	4956	5070	5119	3.77	cps
Iron	54-2	10010	9850	9997	9952	0.89	cps
Krypton	83-1	357	417	343	372	10.49	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:57:32	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4104	3967	4044	4038	1.70	cps
Lead	207-1	3497	3477	3380	3452	1.81	cps
Lead	208-1	15974	15847	15740	15854	0.74	cps
Lithium	6-1	715228	715481	718379	716363	0.24	cps
Magnesium	24-2	150412	148324	148412	149049	0.79	cps
Manganese	55-2	2777	2937	2897	2870	2.90	cps
Molybdenum	94-1	10968	10684	10894	10849	1.36	cps
Molybdenum	95-1	13386	13550	13119	13352	1.63	cps
Molybdenum	96-1	14477	14517	14764	14586	1.07	cps
Molybdenum	97-1	8416	8406	8192	8338	1.51	cps
Molybdenum	98-1	21412	21185	21706	21435	1.22	cps
Neodymium	150-1	0	10	3	4	114.60	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	1800	1757	1697	1751	2.96	cps
Phosphorus	31-2	1080	1053	1080	1071	1.44	cps
Potassium	39-2	218543	217999	218885	218476	0.20	cps
Rhodium	103-1	3799475	3759946	3806353	3788591	0.66	cps
Rhodium	103-2	2615416	2536130	2582870	2578138	1.55	cps
Scandium	45-1	2367637	2380138	2379045	2375607	0.29	cps
Scandium	45-2	259269	257067	251742	256026	1.51	cps
Selenium	82-1	929	765	881	858	9.82	cps
Selenium	77-2	100	90	100	97	5.97	cps
Selenium	78-2	557	587	537	560	4.49	cps
Silicon	28-1	654421	660277	653548	656082	0.56	cps
Silver	107-1	7012	7115	6815	6981	2.18	cps
Silver	109-1	6615	6938	6842	6798	2.44	cps
Sodium	23-2	249006	246995	247375	247792	0.43	cps
Strontium	86-1	2114	2267	2230	2204	3.63	cps
Strontium	88-1	14260	14617	14557	14478	1.32	cps
Sulfur	34-1	174052	172551	172562	173055	0.50	cps
Terbium	159-1	4583729	4605453	4677839	4622340	1.07	cps
Terbium	159-2	3433675	3395389	3397623	3408895	0.63	cps
Thallium	203-1	5028	5051	4868	4982	2.00	cps
Thallium	205-1	11688	11368	12172	11743	3.45	cps
Tin	118-1	21309	21466	21950	21575	1.55	cps
Titanium	47-1	3841	3724	3507	3690	4.58	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 11:57:32	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14405	14241	14014	14220	1.38	cps
Vanadium	51-2	12545	12138	12148	12277	1.89	cps
Yttrium	89-1	6768362	6784534	6846889	6799928	0.61	cps
Yttrium	89-2	2094838	2034196	1985019	2038018	2.70	cps
Zinc	66-2	4451	4497	4594	4514	1.62	cps
Zirconium	90-1	8863	9223	8976	9021	2.04	cps
Zirconium	91-1	2054	2060	2127	2080	1.95	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:04:15	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	157607	156257	156786	156883	0.43	cps
Antimony	121-1	222875	225393	229457	225908	1.47	cps
Arsenic	75-2	19626	19884	19277	19596	1.55	cps
Barium	135-1	255018	259627	257036	257227	0.90	cps
Barium	137-1	441025	446521	449745	445763	0.99	cps
Beryllium	9-1	47877	49184	48599	48553	1.35	cps
Bismuth	209-1	2952245	2936219	3034244	2974236	1.77	cps
Bismuth	209-2	2720628	2687412	2698925	2702322	0.62	cps
Bromine	81-1	7422	7675	7319	7472	2.46	cps
Bromine	81-2	117	127	110	118	7.12	cps
Cadmium	108-1	4864	4901	4901	4889	0.43	cps
Cadmium	106-1	8693	8289	8509	8497	2.38	cps
Cadmium	111-1	69684	70223	68717	69541	1.10	cps
Calcium	43-1	70061	69311	69502	69625	0.56	cps
Calcium	44-1	1151358	1161807	1142035	1151733	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	197076	196945	194444	196155	0.76	cps
Cobalt	59-2	199244	197737	199643	198874	0.51	cps
Copper	63-2	1547911	1559476	1587880	1565089	1.31	cps
Dysprosium	156-1	13	23	20	19	26.96	cps
Dysprosium	156-2	30	13	37	27	45.08	cps
Erbium	164-1	33	43	40	39	13.09	cps
Erbium	164-2	20	33	47	33	40.01	cps
Gadolinium	160-1	20	27	13	20	33.35	cps
Gadolinium	160-2	253	263	290	269	7.05	cps
Holmium	165-1	4615743	4480567	4510191	4535501	1.57	cps
Holmium	165-2	3504046	3450193	3476577	3476939	0.77	cps
Indium	115-1	3741480	3733578	3690823	3721961	0.73	cps
Indium	115-2	1498166	1489688	1496180	1494678	0.30	cps
Iron	56-2	6413982	6407342	6263218	6361514	1.34	cps
Iron	57-2	168476	166314	165897	166896	0.83	cps
Iron	54-2	375339	372449	371424	373071	0.54	cps
Krypton	83-1	380	410	417	402	4.86	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:04:15	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	838741	852302	848183	846409	0.82	cps
Lead	207-1	715086	730125	724713	723308	1.05	cps
Lead	208-1	3410219	3447881	3453398	3437166	0.68	cps
Lithium	6-1	707763	704189	700889	704280	0.49	cps
Magnesium	24-2	1356107	1380029	1317712	1351282	2.33	cps
Manganese	55-2	1093653	1087243	1082408	1087768	0.52	cps
Molybdenum	94-1	840682	846150	849891	845574	0.55	cps
Molybdenum	95-1	1196237	1206046	1188964	1197083	0.72	cps
Molybdenum	96-1	1298468	1315095	1299304	1304289	0.72	cps
Molybdenum	97-1	740104	736132	741782	739339	0.39	cps
Molybdenum	98-1	1925177	1953450	1958775	1945801	0.93	cps
Neodymium	150-1	27	27	3	19	71.34	cps
Neodymium	150-2	3	10	27	13	90.16	cps
Nickel	60-2	71664	71027	72468	71719	1.01	cps
Phosphorus	31-2	10173	9983	9683	9947	2.49	cps
Potassium	39-2	789746	794414	791271	791810	0.30	cps
Rhodium	103-1	3817880	3701837	3749910	3756542	1.55	cps
Rhodium	103-2	2502952	2504479	2508163	2505198	0.11	cps
Scandium	45-1	2434568	2369389	2341711	2381889	2.00	cps
Scandium	45-2	254733	251461	254288	253494	0.70	cps
Selenium	82-1	5862	5816	5969	5882	1.33	cps
Selenium	77-2	667	693	813	724	10.78	cps
Selenium	78-2	2550	2694	2797	2680	4.62	cps
Silicon	28-1	3245502	3321174	3275579	3280752	1.16	cps
Silver	107-1	321375	329475	325115	325322	1.25	cps
Silver	109-1	305189	311237	311152	309193	1.12	cps
Sodium	23-2	2178337	2135920	2061610	2125289	2.78	cps
Strontium	86-1	76203	75174	76404	75927	0.87	cps
Strontium	88-1	661348	671201	669313	667287	0.78	cps
Sulfur	34-1	200352	199485	198002	199280	0.60	cps
Terbium	159-1	4485318	4527548	4564745	4525870	0.88	cps
Terbium	159-2	3425263	3390187	3411330	3408927	0.52	cps
Thallium	203-1	205008	208779	209083	207624	1.09	cps
Thallium	205-1	489210	495431	500882	495175	1.18	cps
Tin	118-1	187575	189306	189319	188733	0.53	cps
Titanium	47-1	327046	329632	329362	328680	0.43	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:04:15	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	607662	623342	618332	616445	1.30	cps
Vanadium	51-2	106809	108453	108114	107792	0.81	cps
Yttrium	89-1	6707784	6642348	6646586	6665572	0.55	cps
Yttrium	89-2	2014970	1968088	2006419	1996492	1.25	cps
Zinc	66-2	308951	307582	305693	307409	0.53	cps
Zirconium	90-1	409421	412554	413596	411857	0.53	cps
Zirconium	91-1	91611	91805	91745	91720	0.11	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:07:29	DataFile Name :	014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	391056	392289	384445	389263	1.08	cps
Antimony	121-1	578670	583767	575229	579222	0.74	cps
Arsenic	75-2	48742	48431	47625	48266	1.19	cps
Barium	135-1	663557	656034	649737	656443	1.05	cps
Barium	137-1	1157435	1136959	1137011	1143802	1.03	cps
Beryllium	9-1	121481	120745	120423	120883	0.45	cps
Bismuth	209-1	2976199	3000029	3000258	2992162	0.46	cps
Bismuth	209-2	2668558	2636984	2618587	2641376	0.96	cps
Bromine	81-1	7695	7152	7592	7480	3.86	cps
Bromine	81-2	110	130	110	117	9.90	cps
Cadmium	108-1	12592	12559	12599	12583	0.17	cps
Cadmium	106-1	18976	18929	18575	18827	1.16	cps
Cadmium	111-1	173979	174298	174831	174369	0.25	cps
Calcium	43-1	177346	175146	176233	176242	0.62	cps
Calcium	44-1	2746325	2699790	2719552	2721889	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	386275	382799	379039	382704	0.95	cps
Cobalt	59-2	500479	494767	492600	495949	0.82	cps
Copper	63-2	3897191	3824864	3815037	3845697	1.17	cps
Dysprosium	156-1	33	30	23	29	17.63	cps
Dysprosium	156-2	63	57	47	56	15.09	cps
Erbium	164-1	60	50	53	54	9.35	cps
Erbium	164-2	30	50	23	34	40.30	cps
Gadolinium	160-1	20	20	33	24	31.49	cps
Gadolinium	160-2	233	267	273	258	8.31	cps
Holmium	165-1	4644547	4688869	4574624	4636014	1.24	cps
Holmium	165-2	3600924	3494591	3532984	3542833	1.52	cps
Indium	115-1	3696367	3758046	3707211	3720541	0.89	cps
Indium	115-2	1476732	1470160	1471431	1472774	0.24	cps
Iron	56-2	15677742	15201269	15182194	15353735	1.83	cps
Iron	57-2	405873	395800	397921	399864	1.33	cps
Iron	54-2	908558	895431	880246	894745	1.58	cps
Krypton	83-1	447	353	327	376	16.78	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:07:29	DataFile Name :	014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2326300	2355235	2374759	2352098	1.04	cps
Lead	207-1	2012492	1951500	1996990	1986994	1.60	cps
Lead	208-1	9129976	9113106	9272288	9171790	0.95	cps
Lithium	6-1	696460	692022	694860	694447	0.32	cps
Magnesium	24-2	3433207	3289803	3332772	3351928	2.20	cps
Manganese	55-2	2720532	2700164	2665588	2695428	1.03	cps
Molybdenum	94-1	2126283	2155519	2108449	2130083	1.12	cps
Molybdenum	95-1	3105807	3065979	2977112	3049633	2.16	cps
Molybdenum	96-1	3283417	3267219	3261951	3270862	0.34	cps
Molybdenum	97-1	1874274	1921599	1896078	1897317	1.25	cps
Molybdenum	98-1	4898729	4943890	4743658	4862092	2.16	cps
Neodymium	150-1	17	43	33	31	43.29	cps
Neodymium	150-2	10	13	7	10	33.30	cps
Nickel	60-2	147878	147290	145957	147042	0.67	cps
Phosphorus	31-2	23285	22934	23321	23180	0.92	cps
Potassium	39-2	1818058	1811243	1819517	1816273	0.24	cps
Rhodium	103-1	3826126	3780842	3655045	3754004	2.36	cps
Rhodium	103-2	2477828	2470810	2352363	2433667	2.90	cps
Scandium	45-1	2357659	2297721	2276911	2310764	1.81	cps
Scandium	45-2	248321	248148	245068	247179	0.74	cps
Selenium	82-1	14866	15028	14630	14841	1.35	cps
Selenium	77-2	1800	1693	1693	1729	3.56	cps
Selenium	78-2	6425	6301	5941	6222	4.04	cps
Silicon	28-1	6879952	6817158	6856288	6851133	0.46	cps
Silver	107-1	825800	831520	825944	827754	0.39	cps
Silver	109-1	793203	784788	785434	787808	0.59	cps
Sodium	23-2	5319860	5386954	5334720	5347178	0.66	cps
Strontium	86-1	191689	194167	192848	192901	0.64	cps
Strontium	88-1	1711745	1733095	1680060	1708300	1.56	cps
Sulfur	34-1	229355	226916	224251	226841	1.13	cps
Terbium	159-1	4603557	4689405	4599069	4630677	1.10	cps
Terbium	159-2	3388047	3358848	3339715	3362203	0.72	cps
Thallium	203-1	543508	551900	541282	545563	1.03	cps
Thallium	205-1	1275824	1294133	1282817	1284258	0.72	cps
Tin	118-1	480664	476072	474486	477074	0.67	cps
Titanium	47-1	828505	836187	827453	830715	0.57	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:07:29	DataFile Name :	014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1725868	1593621	1761051	1693513	5.21	cps
Vanadium	51-2	267908	269559	264293	267253	1.01	cps
Yttrium	89-1	6609744	6713098	6669702	6664181	0.78	cps
Yttrium	89-2	1966655	2038566	1972958	1992726	2.00	cps
Zinc	66-2	762895	763395	757556	761282	0.43	cps
Zirconium	90-1	1051253	1058299	1043102	1050885	0.72	cps
Zirconium	91-1	234463	236841	231510	234271	1.14	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:10:30	DataFile Name :	015CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	761026	758729	746920	755558	1.00	cps
Antimony	121-1	1107561	1114738	1130840	1117713	1.07	cps
Arsenic	75-2	94511	91855	93410	93259	1.43	cps
Barium	135-1	1258317	1275344	1277037	1270233	0.82	cps
Barium	137-1	2254340	2274724	2237284	2255449	0.83	cps
Beryllium	9-1	231920	230860	233986	232255	0.68	cps
Bismuth	209-1	2939424	2918696	3026356	2961492	1.93	cps
Bismuth	209-2	2721835	2647246	2617359	2662147	2.02	cps
Bromine	81-1	7232	7162	7148	7181	0.62	cps
Bromine	81-2	80	100	110	97	15.80	cps
Cadmium	108-1	23689	23926	24043	23886	0.75	cps
Cadmium	106-1	33756	34956	35109	34607	2.14	cps
Cadmium	111-1	329420	335416	334616	333151	0.98	cps
Calcium	43-1	339715	335330	339720	338255	0.75	cps
Calcium	44-1	5198148	5212373	5230973	5213831	0.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	738104	739112	727704	734973	0.86	cps
Cobalt	59-2	960554	956710	956065	957776	0.25	cps
Copper	63-2	7727962	7409033	7435936	7524310	2.35	cps
Dysprosium	156-1	57	50	63	57	11.76	cps
Dysprosium	156-2	117	100	100	106	9.12	cps
Erbium	164-1	70	47	63	60	20.03	cps
Erbium	164-2	40	57	30	42	31.91	cps
Gadolinium	160-1	40	50	47	46	11.18	cps
Gadolinium	160-2	220	263	300	261	15.34	cps
Holmium	165-1	4565741	4613513	4670721	4616658	1.14	cps
Holmium	165-2	3592365	3404156	3437440	3477987	2.89	cps
Indium	115-1	3551621	3576675	3571529	3566609	0.37	cps
Indium	115-2	1450139	1456509	1446909	1451185	0.34	cps
Iron	56-2	30091781	30499370	29591597	30060916	1.51	cps
Iron	57-2	777844	774851	766822	773172	0.74	cps
Iron	54-2	1702467	1654838	1684905	1680737	1.43	cps
Krypton	83-1	383	373	380	379	1.34	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:10:30	DataFile Name :	015CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4535252	4654905	4630130	4606762	1.37	cps
Lead	207-1	3878456	3884480	3966690	3909876	1.26	cps
Lead	208-1	17705783	17998509	18218356	17974216	1.43	cps
Lithium	6-1	690715	694150	694983	693283	0.33	cps
Magnesium	24-2	6583446	6533905	6437661	6518337	1.14	cps
Manganese	55-2	5234089	5152742	5240388	5209073	0.94	cps
Molybdenum	94-1	4062276	4160971	4095528	4106259	1.22	cps
Molybdenum	95-1	5859966	5842215	5869144	5857108	0.23	cps
Molybdenum	96-1	6336033	6491603	6281677	6369771	1.71	cps
Molybdenum	97-1	3639065	3624114	3610870	3624683	0.39	cps
Molybdenum	98-1	9644474	9501251	9576322	9574015	0.75	cps
Neodymium	150-1	53	67	77	66	17.86	cps
Neodymium	150-2	27	30	37	31	16.37	cps
Nickel	60-2	282828	278306	280818	280651	0.81	cps
Phosphorus	31-2	44912	44341	43666	44306	1.41	cps
Potassium	39-2	3492119	3454220	3413918	3453419	1.13	cps
Rhodium	103-1	3703942	3682485	3540318	3642248	2.44	cps
Rhodium	103-2	2399788	2438720	2405946	2414818	0.87	cps
Scandium	45-1	2292256	2247089	2288794	2276046	1.10	cps
Scandium	45-2	244797	245733	240683	243738	1.10	cps
Selenium	82-1	27893	28622	27980	28165	1.41	cps
Selenium	77-2	3354	3264	3524	3380	3.91	cps
Selenium	78-2	12238	11588	11224	11684	4.40	cps
Silicon	28-1	12371789	12211805	12325847	12303147	0.67	cps
Silver	107-1	1577395	1578373	1610023	1588597	1.17	cps
Silver	109-1	1487526	1497823	1495357	1493569	0.36	cps
Sodium	23-2	10328915	10488573	10087181	10301556	1.96	cps
Strontium	86-1	368440	371642	372034	370706	0.53	cps
Strontium	88-1	3199076	3289728	3222662	3237156	1.45	cps
Sulfur	34-1	275590	275231	274372	275064	0.23	cps
Terbium	159-1	4691715	4632793	4621170	4648559	0.81	cps
Terbium	159-2	3271967	3330552	3344522	3315680	1.16	cps
Thallium	203-1	1060250	1068511	1076400	1068387	0.76	cps
Thallium	205-1	2673547	2655569	2623377	2650831	0.96	cps
Tin	118-1	924152	933490	928730	928790	0.50	cps
Titanium	47-1	1526047	1586195	1569333	1560525	1.99	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:10:30	DataFile Name :	015CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3442029	3477431	3467090	3462184	0.53	cps
Vanadium	51-2	520148	519770	513061	517660	0.77	cps
Yttrium	89-1	6503829	6551138	6438882	6497950	0.87	cps
Yttrium	89-2	1986494	1929210	1962469	1959391	1.47	cps
Zinc	66-2	1475046	1470003	1452919	1465989	0.79	cps
Zirconium	90-1	2028385	2035360	2024597	2029447	0.27	cps
Zirconium	91-1	448819	449599	452159	450192	0.39	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:13:30	DataFile Name :	016CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1512224	1502226	1507570	1507340	0.33	cps
Antimony	121-1	2284142	2301701	2310463	2298768	0.58	cps
Arsenic	75-2	188723	187691	187517	187977	0.35	cps
Barium	135-1	2630464	2627110	2670759	2642778	0.92	cps
Barium	137-1	4467289	4570155	4713336	4583593	2.70	cps
Beryllium	9-1	463740	467763	472194	467899	0.90	cps
Bismuth	209-1	3055555	3071435	3021153	3049381	0.84	cps
Bismuth	209-2	2639857	2705394	2677235	2674162	1.23	cps
Bromine	81-1	7072	6908	6995	6992	1.17	cps
Bromine	81-2	137	147	133	139	4.99	cps
Cadmium	108-1	47508	47598	48337	47814	0.95	cps
Cadmium	106-1	67837	67489	68300	67875	0.60	cps
Cadmium	111-1	664652	665887	668613	666384	0.30	cps
Calcium	43-1	666633	668790	672102	669175	0.41	cps
Calcium	44-1	10167472	10335970	10246493	10249978	0.82	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1349327	1339869	1326458	1338551	0.86	cps
Cobalt	59-2	1940952	1935097	1902783	1926277	1.07	cps
Copper	63-2	15203520	14912975	14884556	15000350	1.18	cps
Dysprosium	156-1	103	90	67	87	21.41	cps
Dysprosium	156-2	233	200	230	221	8.30	cps
Erbium	164-1	43	100	110	84	42.58	cps
Erbium	164-2	73	57	87	72	20.81	cps
Gadolinium	160-1	73	67	57	66	12.79	cps
Gadolinium	160-2	273	350	280	301	14.10	cps
Holmium	165-1	4717959	4669577	4790132	4725889	1.28	cps
Holmium	165-2	3674012	3529038	3509441	3570830	2.52	cps
Indium	115-1	3666102	3557797	3655772	3626557	1.65	cps
Indium	115-2	1444838	1452826	1449817	1449160	0.28	cps
Iron	56-2	59869562	60010776	59894892	59925077	0.13	cps
Iron	57-2	1475916	1478217	1488641	1480925	0.46	cps
Iron	54-2	3287864	3280851	3262610	3277108	0.40	cps
Krypton	83-1	337	360	377	358	5.62	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:13:30	DataFile Name :	016CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9268240	9282696	9556801	9369246	1.74	cps
Lead	207-1	7934954	7968661	8037753	7980456	0.66	cps
Lead	208-1	36282517	37079195	37259458	36873723	1.41	cps
Lithium	6-1	694673	697289	696761	696241	0.20	cps
Magnesium	24-2	13102971	13211852	13074720	13129848	0.55	cps
Manganese	55-2	10471877	10286447	10625904	10461410	1.62	cps
Molybdenum	94-1	8259454	8466149	8443181	8389594	1.35	cps
Molybdenum	95-1	12004052	12127338	11871621	12001004	1.07	cps
Molybdenum	96-1	12678302	13141088	12662514	12827302	2.12	cps
Molybdenum	97-1	7170567	7308887	7360831	7280095	1.35	cps
Molybdenum	98-1	18828154	19376178	19487470	19230601	1.84	cps
Neodymium	150-1	133	107	157	132	18.92	cps
Neodymium	150-2	30	47	37	38	22.21	cps
Nickel	60-2	533044	525529	527034	528536	0.75	cps
Phosphorus	31-2	87515	87767	86626	87303	0.69	cps
Potassium	39-2	6815769	6756342	6851792	6807968	0.71	cps
Rhodium	103-1	3580934	3601234	3660466	3614211	1.14	cps
Rhodium	103-2	2427607	2463616	2450107	2447110	0.74	cps
Scandium	45-1	2244174	2270436	2250088	2254899	0.61	cps
Scandium	45-2	246319	244779	247152	246083	0.49	cps
Selenium	82-1	55193	55868	56048	55703	0.81	cps
Selenium	77-2	6712	6565	6772	6683	1.59	cps
Selenium	78-2	23091	23115	22460	22889	1.62	cps
Silicon	28-1	23826244	23801085	23836043	23821124	0.08	cps
Silver	107-1	3187193	3186254	3232132	3201860	0.82	cps
Silver	109-1	2999156	3020704	3081836	3033899	1.41	cps
Sodium	23-2	20728344	20424374	20797109	20649942	0.96	cps
Strontium	86-1	737592	744237	750842	744224	0.89	cps
Strontium	88-1	6526498	6603227	6519234	6549653	0.71	cps
Sulfur	34-1	387014	384307	385366	385563	0.35	cps
Terbium	159-1	4667023	4732029	4686758	4695270	0.71	cps
Terbium	159-2	3471661	3441148	3373344	3428718	1.47	cps
Thallium	203-1	2261240	2315030	2321323	2299198	1.44	cps
Thallium	205-1	5499451	5535787	5469590	5501609	0.60	cps
Tin	118-1	1864353	1923264	1932680	1906766	1.94	cps
Titanium	47-1	3095680	3204249	3101163	3133697	1.95	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:13:30	DataFile Name :	016CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6884284	7212570	7181567	7092807	2.56	cps
Vanadium	51-2	1053228	1046215	1047161	1048868	0.36	cps
Yttrium	89-1	6435638	6497211	6479442	6470764	0.49	cps
Yttrium	89-2	1987636	1960315	1937984	1961979	1.27	cps
Zinc	66-2	2951054	2934228	2895399	2926894	0.98	cps
Zirconium	90-1	4059711	4068406	4154691	4094269	1.28	cps
Zirconium	91-1	898664	912381	914790	908611	0.96	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:16:18	DataFile Name :	017CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3107369	3113742	3149353	3123488	0.72	cps
Antimony	121-1	4574821	4746434	4673880	4665045	1.85	cps
Arsenic	75-2	377624	380539	381452	379872	0.53	cps
Barium	135-1	5428613	5484920	5433311	5448948	0.57	cps
Barium	137-1	9570903	9179685	9703582	9484723	2.87	cps
Beryllium	9-1	929582	937666	943458	936902	0.74	cps
Bismuth	209-1	3119157	3057616	3048459	3075077	1.25	cps
Bismuth	209-2	2624393	2707246	2594465	2642035	2.21	cps
Bromine	81-1	7052	7035	7045	7044	0.12	cps
Bromine	81-2	113	120	93	109	12.75	cps
Cadmium	108-1	96599	97988	98452	97680	0.99	cps
Cadmium	106-1	134029	133823	136592	134815	1.14	cps
Cadmium	111-1	1327499	1352976	1359613	1346696	1.26	cps
Calcium	43-1	1332061	1320416	1358828	1337102	1.47	cps
Calcium	44-1	20916138	21160566	21120568	21065757	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2528423	2530724	2521446	2526864	0.19	cps
Cobalt	59-2	3948255	3947762	3927652	3941223	0.30	cps
Copper	63-2	30378031	30287721	29829680	30165144	0.97	cps
Dysprosium	156-1	103	190	153	149	29.22	cps
Dysprosium	156-2	507	400	363	423	17.59	cps
Erbium	164-1	183	190	227	200	11.67	cps
Erbium	164-2	110	110	157	126	21.46	cps
Gadolinium	160-1	123	90	117	110	16.04	cps
Gadolinium	160-2	287	350	333	323	10.15	cps
Holmium	165-1	4804486	4724078	4826351	4784972	1.13	cps
Holmium	165-2	3646066	3615184	3597989	3619746	0.67	cps
Indium	115-1	3700996	3593283	3605311	3633196	1.62	cps
Indium	115-2	1428104	1434154	1422274	1428177	0.42	cps
Iron	56-2	118057382	119419442	119000975	118825933	0.59	cps
Iron	57-2	3022937	2991810	2982814	2999187	0.70	cps
Iron	54-2	6700961	6658669	6636032	6665221	0.49	cps
Krypton	83-1	337	390	267	331	18.68	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:16:18	DataFile Name :	017CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19447011	19184040	19242424	19291158	0.72	cps
Lead	207-1	16495665	16773672	16954379	16741239	1.38	cps
Lead	208-1	75208149	76007501	77036216	76083955	1.20	cps
Lithium	6-1	720440	707528	700139	709369	1.45	cps
Magnesium	24-2	26771358	26757304	26742717	26757126	0.05	cps
Manganese	55-2	20976937	21278506	21323978	21193141	0.89	cps
Molybdenum	94-1	17078707	16978771	17215404	17090961	0.70	cps
Molybdenum	95-1	24028969	24252020	24654345	24311778	1.30	cps
Molybdenum	96-1	25811890	26215395	26937491	26321592	2.17	cps
Molybdenum	97-1	14733299	15097267	14996662	14942409	1.26	cps
Molybdenum	98-1	39333791	38839459	39754964	39309405	1.17	cps
Neodymium	150-1	260	240	250	250	4.00	cps
Neodymium	150-2	83	87	107	92	13.69	cps
Nickel	60-2	1001926	1007320	1007612	1005619	0.32	cps
Phosphorus	31-2	178134	177501	176122	177252	0.58	cps
Potassium	39-2	13613951	13675551	13623426	13637643	0.24	cps
Rhodium	103-1	3691135	3623692	3634236	3649687	0.99	cps
Rhodium	103-2	2398419	2443334	2430070	2423941	0.95	cps
Scandium	45-1	2301799	2291892	2301645	2298445	0.25	cps
Scandium	45-2	249675	248547	248299	248840	0.29	cps
Selenium	82-1	108881	110794	111462	110379	1.21	cps
Selenium	77-2	13593	13219	13219	13344	1.62	cps
Selenium	78-2	44594	44851	44898	44781	0.37	cps
Silicon	28-1	44238734	44508829	45339508	44695690	1.28	cps
Silver	107-1	6319517	6466456	6421868	6402614	1.18	cps
Silver	109-1	6207192	6210943	6099509	6172548	1.03	cps
Sodium	23-2	42004255	42400607	42441056	42281973	0.57	cps
Strontium	86-1	1514120	1528554	1563363	1535346	1.65	cps
Strontium	88-1	13160457	13302944	13589175	13350859	1.64	cps
Sulfur	34-1	608262	618568	616590	614474	0.89	cps
Terbium	159-1	4778915	4725232	4778577	4760908	0.65	cps
Terbium	159-2	3427384	3506642	3480767	3471598	1.16	cps
Thallium	203-1	4762511	4588306	4840285	4730368	2.73	cps
Thallium	205-1	11164321	11162414	11403900	11243545	1.24	cps
Tin	118-1	3770946	3782395	3970454	3841265	2.92	cps
Titanium	47-1	6238312	6398920	6440291	6359174	1.68	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:16:18	DataFile Name :	017CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14360071	14718949	15335719	14804913	3.33	cps
Vanadium	51-2	2130782	2176628	2101214	2136208	1.78	cps
Yttrium	89-1	6613363	6459798	6624285	6565815	1.40	cps
Yttrium	89-2	1972637	1955352	1976846	1968278	0.58	cps
Zinc	66-2	5783400	5805180	5846951	5811844	0.56	cps
Zirconium	90-1	8276645	8362673	8529812	8389710	1.53	cps
Zirconium	91-1	1850045	1873233	1869781	1864353	0.67	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:19:08	DataFile Name :	018CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16316543	16224144	16138760	16226482	0.55	cps
Antimony	121-1	9593	9373	9727	9564	1.87	cps
Arsenic	75-2	633	559	573	588	6.70	cps
Barium	135-1	8676	8913	9193	8927	2.90	cps
Barium	137-1	15449	15405	15278	15377	0.58	cps
Beryllium	9-1	373	380	327	360	8.07	cps
Bismuth	209-1	2956178	2780157	2808038	2848124	3.32	cps
Bismuth	209-2	2620564	2559388	2547826	2575926	1.52	cps
Bromine	81-1	7122	7819	8059	7666	6.35	cps
Bromine	81-2	113	130	160	134	17.59	cps
Cadmium	108-1	83	57	50	63	27.85	cps
Cadmium	106-1	1983	2013	2007	2001	0.79	cps
Cadmium	111-1	1953	2043	1983	1993	2.29	cps
Calcium	43-1	6661700	6795645	6694294	6717213	1.04	cps
Calcium	44-1	109355012	109535405	109196412	109362276	0.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43583	42697	43142	43140	1.03	cps
Cobalt	59-2	13646	14350	14120	14039	2.56	cps
Copper	63-2	9980	9820	9890	9897	0.81	cps
Dysprosium	156-1	187	250	237	224	14.88	cps
Dysprosium	156-2	243	320	253	272	15.31	cps
Erbium	164-1	557	497	530	528	5.70	cps
Erbium	164-2	343	407	430	393	11.40	cps
Gadolinium	160-1	273	300	270	281	5.85	cps
Gadolinium	160-2	503	517	427	482	10.07	cps
Holmium	165-1	4815790	4893148	4792648	4833862	1.09	cps
Holmium	165-2	3755449	3758442	3771920	3761937	0.23	cps
Indium	115-1	3739476	3784952	3759597	3761342	0.61	cps
Indium	115-2	1528503	1521463	1536349	1528772	0.49	cps
Iron	56-2	606916831	608497791	602414778	605943133	0.52	cps
Iron	57-2	15099392	15294930	15106368	15166896	0.73	cps
Iron	54-2	33386451	33388060	33404020	33392844	0.03	cps
Krypton	83-1	387	370	373	377	2.34	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:19:08	DataFile Name :	018CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6638	7179	6672	6830	4.43	cps
Lead	207-1	5985	5878	5454	5772	4.86	cps
Lead	208-1	26627	27061	26514	26734	1.08	cps
Lithium	6-1	718607	735221	730358	728062	1.17	cps
Magnesium	24-2	141931421	145559455	143435078	143641985	1.27	cps
Manganese	55-2	20431	20030	20260	20240	0.99	cps
Molybdenum	94-1	8292	8489	8826	8536	3.16	cps
Molybdenum	95-1	9426	9490	9113	9343	2.16	cps
Molybdenum	96-1	13139	13453	13730	13441	2.20	cps
Molybdenum	97-1	5991	6065	6188	6081	1.63	cps
Molybdenum	98-1	14764	15408	15415	15196	2.46	cps
Neodymium	150-1	77	93	93	88	10.96	cps
Neodymium	150-2	63	83	77	74	13.68	cps
Nickel	60-2	12665	12982	12725	12791	1.32	cps
Phosphorus	31-2	813	877	793	828	5.26	cps
Potassium	39-2	73288891	73084417	75635686	74002998	1.92	cps
Rhodium	103-1	3604357	3585022	3539862	3576414	0.93	cps
Rhodium	103-2	2450071	2436281	2398630	2428327	1.10	cps
Scandium	45-1	2411445	2418060	2474256	2434587	1.42	cps
Scandium	45-2	269249	270947	270646	270280	0.34	cps
Selenium	82-1	313	365	367	348	8.73	cps
Selenium	77-2	27	27	33	29	13.31	cps
Selenium	78-2	403	320	340	354	12.27	cps
Silicon	28-1	692286	730715	722055	715019	2.82	cps
Silver	107-1	5521	5158	5364	5348	3.41	cps
Silver	109-1	5041	5001	4808	4950	2.52	cps
Sodium	23-2	220821917	222479317	223014790	222105341	0.51	cps
Strontium	86-1	20481	21409	20898	20929	2.22	cps
Strontium	88-1	174974	179806	179368	178049	1.50	cps
Sulfur	34-1	170027	176806	177232	174688	2.31	cps
Terbium	159-1	5010267	4886545	4730997	4875936	2.87	cps
Terbium	159-2	3542750	3623736	3495639	3554042	1.82	cps
Thallium	203-1	6135	6215	6041	6130	1.42	cps
Thallium	205-1	14818	14655	14591	14688	0.80	cps
Tin	118-1	5644	5538	5574	5586	0.97	cps
Titanium	47-1	1063	1080	1207	1117	7.02	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:19:08	DataFile Name :	018CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	633	690	543	622	11.89	cps
Vanadium	51-2	4097	3914	4134	4048	2.91	cps
Yttrium	89-1	6688808	6857942	6998237	6848329	2.26	cps
Yttrium	89-2	2101230	2146060	2170513	2139268	1.64	cps
Zinc	66-2	10360	10384	10420	10388	0.29	cps
Zirconium	90-1	7789	8209	7782	7927	3.09	cps
Zirconium	91-1	1710	1830	1817	1786	3.68	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:38:28	DataFile Name :	021ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	242370	242790	239050	241403	0.85	cps
Antimony	121-1	1882471	1951052	1949032	1927518	2.02	cps
Arsenic	75-2	148942	147024	143711	146559	1.81	cps
Barium	135-1	1750194	1805734	1790918	1782282	1.61	cps
Barium	137-1	2969226	3025698	3107689	3034204	2.29	cps
Beryllium	9-1	39484	38287	40299	39357	2.57	cps
Bismuth	209-1	3002901	3023796	2979446	3002048	0.74	cps
Bismuth	209-2	2821046	2737798	2760087	2772977	1.55	cps
Bromine	81-1	8462	8059	8356	8292	2.52	cps
Bromine	81-2	130	93	113	112	16.36	cps
Cadmium	108-1	18098	18569	18899	18522	2.17	cps
Cadmium	106-1	27176	26654	27276	27035	1.23	cps
Cadmium	111-1	282100	289943	281274	284439	1.68	cps
Calcium	43-1	56910	56605	57459	56991	0.76	cps
Calcium	44-1	941879	944045	947161	944362	0.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	435910	434016	432406	434111	0.40	cps
Cobalt	59-2	1717655	1650181	1637731	1668523	2.58	cps
Copper	63-2	601502	599655	595976	599044	0.47	cps
Dysprosium	156-1	23	20	23	22	8.65	cps
Dysprosium	156-2	80	130	113	108	23.62	cps
Erbium	164-1	20	17	7	14	48.02	cps
Erbium	164-2	10	7	10	9	21.63	cps
Gadolinium	160-1	33	40	17	30	40.05	cps
Gadolinium	160-2	290	257	267	271	6.31	cps
Holmium	165-1	4753588	4680348	4564559	4666165	2.04	cps
Holmium	165-2	3676814	3721383	3588743	3662314	1.84	cps
Indium	115-1	3894328	3797148	3879369	3856948	1.36	cps
Indium	115-2	1554225	1553741	1557788	1555252	0.14	cps
Iron	56-2	2056535	1970235	2000762	2009177	2.18	cps
Iron	57-2	52835	51831	51784	52150	1.14	cps
Iron	54-2	130903	128893	129955	129917	0.77	cps
Krypton	83-1	417	383	397	399	4.21	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:38:28	DataFile Name :	021ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1372190	1392292	1397828	1387437	0.97	cps
Lead	207-1	1162176	1174198	1191897	1176091	1.27	cps
Lead	208-1	5608370	5626792	5745217	5660126	1.31	cps
Lithium	6-1	686969	694659	690574	690734	0.56	cps
Magnesium	24-2	1037429	1030271	1026076	1031259	0.56	cps
Manganese	55-2	814181	801116	800148	805148	0.97	cps
Molybdenum	94-1	1043	987	1010	1013	2.81	cps
Molybdenum	95-1	1460	1550	1530	1513	3.12	cps
Molybdenum	96-1	1610	1657	1733	1667	3.74	cps
Molybdenum	97-1	863	890	933	896	3.94	cps
Molybdenum	98-1	2277	2340	2330	2316	1.47	cps
Neodymium	150-1	53	50	47	50	6.66	cps
Neodymium	150-2	7	17	23	16	53.90	cps
Nickel	60-2	437196	435396	430907	434500	0.75	cps
Phosphorus	31-2	693	813	800	769	8.55	cps
Potassium	39-2	1262165	1222539	1201912	1228872	2.49	cps
Rhodium	103-1	3825038	3872217	3892095	3863117	0.89	cps
Rhodium	103-2	2578378	2597151	2583080	2586203	0.38	cps
Scandium	45-1	2417457	2438338	2411950	2422581	0.57	cps
Scandium	45-2	261956	258594	260522	260357	0.65	cps
Selenium	82-1	48831	48840	49221	48964	0.45	cps
Selenium	77-2	6025	5911	6121	6019	1.75	cps
Selenium	78-2	20518	19937	20417	20291	1.53	cps
Silicon	28-1	664889	667836	669052	667259	0.32	cps
Silver	107-1	1330192	1345373	1341551	1339038	0.59	cps
Silver	109-1	1242055	1278775	1260118	1260316	1.46	cps
Sodium	23-2	1732965	1769681	1728655	1743767	1.29	cps
Strontium	86-1	613	640	710	654	7.63	cps
Strontium	88-1	1063	1107	987	1052	5.78	cps
Sulfur	34-1	172751	169714	169239	170568	1.12	cps
Terbium	159-1	4658048	4644923	4683359	4662110	0.42	cps
Terbium	159-2	3516519	3504314	3484673	3501835	0.46	cps
Thallium	203-1	1636069	1736792	1781995	1718285	4.35	cps
Thallium	205-1	4173461	4295377	4293218	4254019	1.64	cps
Tin	118-1	2554	2510	2640	2568	2.58	cps
Titanium	47-1	320	340	327	329	3.10	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 12:38:28	DataFile Name :	021ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	13	20	19	26.96	cps
Vanadium	51-2	906741	893817	892321	897626	0.88	cps
Yttrium	89-1	7068156	6911640	6779692	6919829	2.09	cps
Yttrium	89-2	2127346	2102779	2080641	2103588	1.11	cps
Zinc	66-2	235358	235746	229990	233698	1.38	cps
Zirconium	90-1	370	297	373	347	12.50	cps
Zirconium	91-1	223	263	220	236	10.24	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:12:25	DataFile Name :	027LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3761	3684	3517	3654	3.41	cps
Antimony	121-1	9076	9223	9637	9312	3.12	cps
Arsenic	75-2	526	445	476	482	8.43	cps
Barium	135-1	9954	9904	10361	10073	2.49	cps
Barium	137-1	17184	17374	17501	17353	0.92	cps
Beryllium	9-1	943	963	1067	991	6.68	cps
Bismuth	209-1	2877696	2860859	2883357	2873971	0.41	cps
Bismuth	209-2	2674987	2642063	2639134	2652061	0.75	cps
Bromine	81-1	8239	7902	8196	8112	2.26	cps
Bromine	81-2	147	150	183	160	12.67	cps
Cadmium	108-1	103	90	67	87	21.41	cps
Cadmium	106-1	1697	1580	1753	1677	5.27	cps
Cadmium	111-1	2322	2330	2461	2371	3.29	cps
Calcium	43-1	6935	6988	7168	7031	1.74	cps
Calcium	44-1	127501	127064	127303	127289	0.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6932	6868	6351	6717	4.74	cps
Cobalt	59-2	4411	4084	4224	4240	3.87	cps
Copper	63-2	6778	6812	6888	6826	0.83	cps
Dysprosium	156-1	13	17	7	12	41.65	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	40	33	17	30	40.05	cps
Erbium	164-2	30	17	27	24	28.38	cps
Gadolinium	160-1	17	20	23	20	16.65	cps
Gadolinium	160-2	250	250	267	256	3.77	cps
Holmium	165-1	4474582	4517302	4587111	4526331	1.25	cps
Holmium	165-2	3545794	3557537	3536415	3546582	0.30	cps
Indium	115-1	3779697	3718493	3783986	3760725	0.97	cps
Indium	115-2	1503414	1498470	1491035	1497640	0.42	cps
Iron	56-2	147781	146997	144935	146571	1.00	cps
Iron	57-2	4856	5100	4660	4872	4.53	cps
Iron	54-2	9220	9486	9193	9300	1.75	cps
Krypton	83-1	380	363	380	374	2.57	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:12:25	DataFile Name :	027LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3117	3174	3187	3159	1.18	cps
Lead	207-1	2760	2800	2830	2797	1.26	cps
Lead	208-1	12559	12806	12416	12594	1.57	cps
Lithium	6-1	655859	659397	666582	660612	0.83	cps
Magnesium	24-2	129147	129971	128481	129200	0.58	cps
Manganese	55-2	3057	2790	2954	2934	4.58	cps
Molybdenum	94-1	10134	10024	9560	9906	3.07	cps
Molybdenum	95-1	11718	12105	11681	11835	1.98	cps
Molybdenum	96-1	13049	13223	13073	13115	0.72	cps
Molybdenum	97-1	7622	7282	7382	7429	2.35	cps
Molybdenum	98-1	19380	19670	19483	19511	0.75	cps
Neodymium	150-1	10	3	0	4	114.60	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	1800	1673	1593	1689	6.17	cps
Phosphorus	31-2	2937	2987	2917	2947	1.22	cps
Potassium	39-2	201321	201617	197842	200260	1.05	cps
Rhodium	103-1	3749191	3728611	3733611	3737138	0.29	cps
Rhodium	103-2	2518620	2445878	2538060	2500853	1.94	cps
Scandium	45-1	2347793	2355501	2343898	2349064	0.25	cps
Scandium	45-2	252524	252666	253696	252962	0.25	cps
Selenium	82-1	752	777	819	783	4.30	cps
Selenium	77-2	73	83	80	79	6.45	cps
Selenium	78-2	543	583	527	551	5.28	cps
Silicon	28-1	674857	726098	667890	689615	4.61	cps
Silver	107-1	6808	6795	6808	6804	0.11	cps
Silver	109-1	6408	6665	6452	6508	2.11	cps
Sodium	23-2	218168	220071	220165	219468	0.51	cps
Strontium	86-1	2033	1983	2064	2027	1.99	cps
Strontium	88-1	12435	12809	13093	12779	2.58	cps
Sulfur	34-1	178101	177811	177727	177880	0.11	cps
Terbium	159-1	4532786	4540185	4504508	4525827	0.42	cps
Terbium	159-2	3442293	3340635	3390507	3391145	1.50	cps
Thallium	203-1	4537	4397	4381	4439	1.94	cps
Thallium	205-1	10010	10691	10307	10336	3.30	cps
Tin	118-1	19003	19817	19443	19421	2.10	cps
Titanium	47-1	3320	3394	3360	3358	1.09	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:12:25	DataFile Name :	027LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11292	11472	11739	11501	1.96	cps
Vanadium	51-2	10494	10707	10894	10698	1.87	cps
Yttrium	89-1	6788022	6651574	6776497	6738698	1.12	cps
Yttrium	89-2	2060938	2015041	2019291	2031757	1.25	cps
Zinc	66-2	4651	4664	4717	4677	0.75	cps
Zirconium	90-1	8486	8583	8496	8521	0.62	cps
Zirconium	91-1	1763	1917	1950	1877	5.31	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:16:49	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	527	440	453	473	9.86	cps
Antimony	121-1	27	43	67	46	44.10	cps
Arsenic	75-2	8	8	15	10	38.54	cps
Barium	135-1	20	13	30	21	39.75	cps
Barium	137-1	37	17	33	29	37.08	cps
Beryllium	9-1	17	17	17	17	0.00	cps
Bismuth	209-1	2855781	2830224	2838195	2841400	0.46	cps
Bismuth	209-2	2735779	2608347	2748474	2697533	2.87	cps
Bromine	81-1	8439	8569	7972	8327	3.77	cps
Bromine	81-2	120	133	177	143	20.67	cps
Cadmium	108-1	10	13	3	9	57.30	cps
Cadmium	106-1	1723	1727	1677	1709	1.64	cps
Cadmium	111-1	1219	1216	1181	1206	1.75	cps
Calcium	43-1	190	210	167	189	11.48	cps
Calcium	44-1	16533	16406	16236	16392	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1410	1523	1480	1471	3.89	cps
Cobalt	59-2	117	113	97	109	9.84	cps
Copper	63-2	753	867	727	782	9.50	cps
Dysprosium	156-1	0	7	0	2	173.21	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	7	17	20	14	48.02	cps
Erbium	164-2	13	20	10	14	35.26	cps
Gadolinium	160-1	27	33	13	24	41.66	cps
Gadolinium	160-2	260	267	313	280	10.38	cps
Holmium	165-1	4542408	4529540	4494483	4522144	0.55	cps
Holmium	165-2	3653977	3544917	3561902	3586932	1.64	cps
Indium	115-1	3682415	3766046	3723468	3723976	1.12	cps
Indium	115-2	1513580	1519114	1512106	1514933	0.24	cps
Iron	56-2	21355	21572	21258	21395	0.75	cps
Iron	57-2	1517	1573	1563	1551	1.95	cps
Iron	54-2	2270	2160	2267	2232	2.80	cps
Krypton	83-1	367	353	277	332	14.62	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:16:49	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	300	330	297	309	5.94	cps
Lead	207-1	290	200	220	237	19.97	cps
Lead	208-1	1160	1053	1090	1101	4.92	cps
Lithium	6-1	667298	673165	673609	671357	0.52	cps
Magnesium	24-2	203	137	237	192	26.49	cps
Manganese	55-2	600	603	640	614	3.61	cps
Molybdenum	94-1	190	180	143	171	14.36	cps
Molybdenum	95-1	120	140	177	146	19.75	cps
Molybdenum	96-1	170	180	170	173	3.33	cps
Molybdenum	97-1	70	90	133	98	33.11	cps
Molybdenum	98-1	187	227	240	218	12.74	cps
Neodymium	150-1	3	0	7	3	100.05	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	430	467	540	479	11.70	cps
Phosphorus	31-2	647	887	650	728	18.91	cps
Potassium	39-2	56681	57541	56959	57061	0.77	cps
Rhodium	103-1	3771228	3695802	3790071	3752367	1.33	cps
Rhodium	103-2	2561430	2531603	2551324	2548119	0.60	cps
Scandium	45-1	2386500	2402406	2410128	2399678	0.50	cps
Scandium	45-2	254475	254516	254914	254635	0.10	cps
Selenium	82-1	293	237	326	285	15.78	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	317	323	393	344	12.33	cps
Silicon	28-1	647559	646290	656569	650139	0.86	cps
Silver	107-1	90	80	60	77	19.92	cps
Silver	109-1	53	90	47	63	36.84	cps
Sodium	23-2	17640	18134	17597	17790	1.68	cps
Strontium	86-1	460	647	610	572	17.28	cps
Strontium	88-1	70	143	117	110	33.75	cps
Sulfur	34-1	174905	175003	175491	175133	0.18	cps
Terbium	159-1	4597980	4424894	4565440	4529438	2.03	cps
Terbium	159-2	3472431	3419048	3373814	3421764	1.44	cps
Thallium	203-1	133	150	130	138	7.78	cps
Thallium	205-1	373	317	317	336	9.75	cps
Tin	118-1	1020	973	1170	1054	9.75	cps
Titanium	47-1	77	93	87	86	9.80	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:16:49	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3	7	7	6	34.70	cps
Vanadium	51-2	10	17	13	13	25.01	cps
Yttrium	89-1	6725634	6706822	6679728	6704061	0.34	cps
Yttrium	89-2	2107033	2053771	2057280	2072695	1.44	cps
Zinc	66-2	1250	1323	1267	1280	3.00	cps
Zirconium	90-1	237	287	263	262	9.54	cps
Zirconium	91-1	47	73	60	60	22.22	cps

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:20:14	DataFile Name :	029ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14780677	14852254	14457740	14696890	1.43	cps
Antimony	121-1	5384	5678	5634	5566	2.85	cps
Arsenic	75-2	185	172	178	178	3.73	cps
Barium	135-1	1527	1513	1563	1535	1.69	cps
Barium	137-1	2770	2817	2700	2763	2.13	cps
Beryllium	9-1	303	343	327	324	6.19	cps
Bismuth	209-1	2891723	2955762	2936094	2927860	1.12	cps
Bismuth	209-2	2592541	2603977	2581451	2592656	0.43	cps
Bromine	81-1	8669	9183	9580	9144	4.99	cps
Bromine	81-2	310	297	380	329	13.61	cps
Cadmium	108-1	853	737	830	807	7.65	cps
Cadmium	106-1	1707	1833	1790	1777	3.62	cps
Cadmium	111-1	1631	1784	1695	1704	4.53	cps
Calcium	43-1	1355009	1418184	1390814	1388002	2.28	cps
Calcium	44-1	22132776	22559617	22825222	22505872	1.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	56308	57369	56097	56591	1.20	cps
Cobalt	59-2	5361	5568	5374	5434	2.13	cps
Copper	63-2	24393	24507	24310	24403	0.41	cps
Dysprosium	156-1	23	23	30	26	15.07	cps
Dysprosium	156-2	23	23	13	20	28.87	cps
Erbium	164-1	40	47	40	42	9.12	cps
Erbium	164-2	10	30	43	28	60.40	cps
Gadolinium	160-1	40	53	43	46	15.23	cps
Gadolinium	160-2	267	260	257	261	1.95	cps
Holmium	165-1	4658654	4691004	4812378	4720679	1.72	cps
Holmium	165-2	3757641	3668350	3631902	3685964	1.76	cps
Indium	115-1	3635810	3747333	3753755	3712299	1.79	cps
Indium	115-2	1502846	1506970	1483617	1497811	0.83	cps
Iron	56-2	251450756	247546410	246534243	248510470	1.04	cps
Iron	57-2	6125008	6175763	6200650	6167140	0.63	cps
Iron	54-2	13960346	13714778	13271045	13648723	2.56	cps
Krypton	83-1	420	387	350	386	9.08	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:20:14	DataFile Name :	029ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17551	17565	17031	17382	1.75	cps
Lead	207-1	13373	13874	13287	13511	2.35	cps
Lead	208-1	62926	64292	62586	63268	1.43	cps
Lithium	6-1	678382	678334	688210	681642	0.83	cps
Magnesium	24-2	26676521	26504940	26535381	26572281	0.34	cps
Manganese	55-2	17947	17981	17564	17831	1.30	cps
Molybdenum	94-1	2806161	2896302	2952326	2884930	2.56	cps
Molybdenum	95-1	4935717	5004162	4951304	4963728	0.72	cps
Molybdenum	96-1	5274127	5292312	5361800	5309413	0.87	cps
Molybdenum	97-1	3014277	3070357	3109598	3064744	1.56	cps
Molybdenum	98-1	7919232	8154929	8200402	8091521	1.87	cps
Neodymium	150-1	23	17	10	17	39.99	cps
Neodymium	150-2	23	17	3	14	70.51	cps
Nickel	60-2	6375	6185	6815	6458	5.01	cps
Phosphorus	31-2	950402	960967	944074	951814	0.90	cps
Potassium	39-2	29178760	29719905	29471953	29456873	0.92	cps
Rhodium	103-1	3655922	3726786	3678572	3687093	0.98	cps
Rhodium	103-2	2577659	2509812	2466055	2517842	2.23	cps
Scandium	45-1	2391895	2436194	2424436	2417508	0.95	cps
Scandium	45-2	260189	257374	258837	258800	0.54	cps
Selenium	82-1	138	241	271	217	32.17	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	323	287	327	312	7.11	cps
Silicon	28-1	657709	659627	659256	658864	0.15	cps
Silver	107-1	493	303	263	353	34.78	cps
Silver	109-1	447	327	283	352	24.02	cps
Sodium	23-2	44285618	44350128	44371141	44335629	0.10	cps
Strontium	86-1	51784	52527	53437	52583	1.57	cps
Strontium	88-1	446008	457347	466043	456466	2.20	cps
Sulfur	34-1	2630112	2624699	2677241	2644018	1.09	cps
Terbium	159-1	4793261	4767311	4750994	4770522	0.45	cps
Terbium	159-2	3513890	3500333	3491395	3501873	0.32	cps
Thallium	203-1	373	450	547	457	19.02	cps
Thallium	205-1	963	1057	1280	1100	14.79	cps
Tin	118-1	2167	2574	3040	2594	16.85	cps
Titanium	47-1	1360538	1367825	1401908	1376757	1.60	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:20:14	DataFile Name :	029ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	260	250	253	254	2.00	cps
Vanadium	51-2	527	523	590	547	6.87	cps
Yttrium	89-1	6764450	6871782	6778453	6804895	0.86	cps
Yttrium	89-2	2079612	2001935	2106316	2062621	2.63	cps
Zinc	66-2	7649	7959	7936	7848	2.20	cps
Zirconium	90-1	397	407	430	411	4.16	cps
Zirconium	91-1	127	80	80	96	28.20	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:23:21	DataFile Name :	030ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15174632	15465064	15308062	15315919	0.95	cps
Antimony	121-1	102022	104124	107438	104528	2.61	cps
Arsenic	75-2	7619	7479	7909	7669	2.86	cps
Barium	135-1	23319	24144	24578	24014	2.66	cps
Barium	137-1	41401	43259	43596	42752	2.77	cps
Beryllium	9-1	19566	19733	19636	19645	0.43	cps
Bismuth	209-1	3080967	2985086	2939903	3001985	2.40	cps
Bismuth	209-2	2710617	2719650	2678005	2702757	0.81	cps
Bromine	81-1	9526	9910	9933	9790	2.33	cps
Bromine	81-2	333	373	380	362	6.97	cps
Cadmium	108-1	2747	2694	2827	2756	2.44	cps
Cadmium	106-1	4394	4477	4461	4444	0.99	cps
Cadmium	111-1	29350	30625	30747	30241	2.56	cps
Calcium	43-1	1354080	1451403	1434417	1413300	3.68	cps
Calcium	44-1	22198737	23201770	23150429	22850312	2.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	117346	115942	115394	116227	0.87	cps
Cobalt	59-2	93459	94149	92248	93286	1.03	cps
Copper	63-2	88058	87692	87172	87641	0.51	cps
Dysprosium	156-1	27	30	20	26	19.92	cps
Dysprosium	156-2	20	7	13	13	49.99	cps
Erbium	164-1	20	27	33	27	24.99	cps
Erbium	164-2	13	33	17	21	50.75	cps
Gadolinium	160-1	40	33	47	40	16.68	cps
Gadolinium	160-2	290	247	297	278	9.77	cps
Holmium	165-1	5180446	4798786	4809652	4929628	4.41	cps
Holmium	165-2	3737835	3764714	3736748	3746432	0.42	cps
Indium	115-1	4137780	3922079	3881799	3980553	3.46	cps
Indium	115-2	1547109	1545971	1543858	1545646	0.11	cps
Iron	56-2	257316563	257819536	252271316	255802472	1.20	cps
Iron	57-2	6302272	6428639	6392453	6374455	1.02	cps
Iron	54-2	13946944	13932886	14082583	13987471	0.59	cps
Krypton	83-1	350	377	347	358	4.60	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:23:21	DataFile Name :	030ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	89292	91211	88446	89649	1.58	cps
Lead	207-1	73354	74477	74765	74199	1.00	cps
Lead	208-1	337236	343721	341745	340901	0.98	cps
Lithium	6-1	726056	674616	658375	686349	5.15	cps
Magnesium	24-2	27523940	27198367	27117829	27280045	0.79	cps
Manganese	55-2	61739	61615	61760	61705	0.13	cps
Molybdenum	94-1	2826843	2998702	3035888	2953811	3.78	cps
Molybdenum	95-1	4905871	5175913	5189598	5090461	3.14	cps
Molybdenum	96-1	5256763	5540822	5448127	5415238	2.67	cps
Molybdenum	97-1	3071095	3165038	3197730	3144621	2.09	cps
Molybdenum	98-1	8070096	8384331	8586535	8346987	3.12	cps
Neodymium	150-1	30	33	17	27	33.06	cps
Neodymium	150-2	7	17	23	16	53.90	cps
Nickel	60-2	30274	30114	29292	29893	1.76	cps
Phosphorus	31-2	980965	990308	980918	984064	0.55	cps
Potassium	39-2	30521183	30396499	30483745	30467142	0.21	cps
Rhodium	103-1	4098442	3864058	3895358	3952619	3.22	cps
Rhodium	103-2	2564009	2565407	2592853	2574089	0.63	cps
Scandium	45-1	2638444	2464782	2456304	2519843	4.08	cps
Scandium	45-2	265631	269767	265300	266899	0.93	cps
Selenium	82-1	2527	2663	2678	2623	3.18	cps
Selenium	77-2	300	337	277	304	9.93	cps
Selenium	78-2	1320	1310	1400	1343	3.67	cps
Silicon	28-1	668795	675852	678321	674323	0.73	cps
Silver	107-1	129869	137538	137293	134900	3.23	cps
Silver	109-1	124079	131181	131349	128870	3.22	cps
Sodium	23-2	45443189	46032088	45142836	45539371	0.99	cps
Strontium	86-1	53109	54618	55053	54260	1.88	cps
Strontium	88-1	458818	477567	474256	470214	2.13	cps
Sulfur	34-1	2595702	2712243	2760903	2689616	3.16	cps
Terbium	159-1	5217997	4911969	5019055	5049673	3.08	cps
Terbium	159-2	3573657	3577751	3612282	3587897	0.59	cps
Thallium	203-1	89949	91794	93606	91783	1.99	cps
Thallium	205-1	213818	218786	220211	217605	1.54	cps
Tin	118-1	2447	2874	3037	2786	10.94	cps
Titanium	47-1	1355203	1431808	1413824	1400278	2.86	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:23:21	DataFile Name :	030ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	247	170	233	217	18.91	cps
Vanadium	51-2	47939	47825	47980	47915	0.17	cps
Yttrium	89-1	7407303	7237354	7012403	7219020	2.74	cps
Yttrium	89-2	2099078	2113881	2107718	2106892	0.35	cps
Zinc	66-2	20511	21178	20678	20789	1.67	cps
Zirconium	90-1	453	430	447	443	2.71	cps
Zirconium	91-1	107	97	137	113	18.37	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:27:23	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8133705	8061611	7934201	8043172	1.26	cps
Antimony	121-1	2312548	2453011	2492349	2419303	3.91	cps
Arsenic	75-2	199124	198114	199739	198993	0.41	cps
Barium	135-1	2700939	2875221	2855120	2810427	3.39	cps
Barium	137-1	4579276	4963050	4952014	4831446	4.52	cps
Beryllium	9-1	430830	451330	451066	444409	2.65	cps
Bismuth	209-1	3071019	2967292	2941901	2993404	2.29	cps
Bismuth	209-2	2585282	2641584	2609976	2612281	1.08	cps
Bromine	81-1	8649	8603	8649	8634	0.31	cps
Bromine	81-2	170	173	193	179	7.06	cps
Cadmium	108-1	46438	49294	49668	48466	3.65	cps
Cadmium	106-1	66686	69465	69542	68564	2.37	cps
Cadmium	111-1	653518	677301	681879	670899	2.27	cps
Calcium	43-1	3237773	3448322	3429370	3371822	3.45	cps
Calcium	44-1	51741988	56144341	56326227	54737519	4.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1362550	1353568	1350540	1355553	0.46	cps
Cobalt	59-2	2094495	2112852	2093911	2100419	0.51	cps
Copper	63-2	15853139	15391403	15808272	15684271	1.62	cps
Dysprosium	156-1	150	200	210	187	17.22	cps
Dysprosium	156-2	410	313	327	350	14.97	cps
Erbium	164-1	313	333	310	319	3.96	cps
Erbium	164-2	173	233	200	202	14.87	cps
Gadolinium	160-1	213	190	197	200	6.01	cps
Gadolinium	160-2	363	357	393	371	5.26	cps
Holmium	165-1	5071902	4956628	4796689	4941740	2.80	cps
Holmium	165-2	3797502	3747690	3765457	3770217	0.67	cps
Indium	115-1	4072524	3779967	3822098	3891530	4.06	cps
Indium	115-2	1506004	1504033	1501555	1503864	0.15	cps
Iron	56-2	314488649	308136549	311688635	311437944	1.02	cps
Iron	57-2	7728174	7803844	7643699	7725239	1.04	cps
Iron	54-2	17108007	17069746	16932327	17036693	0.54	cps
Krypton	83-1	333	323	360	339	5.59	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:27:23	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8918099	9429336	9323011	9223482	2.92	cps
Lead	207-1	7733511	7859523	8044700	7879245	1.99	cps
Lead	208-1	35134343	36661066	37271627	36355679	3.03	cps
Lithium	6-1	709973	675670	667084	684243	3.32	cps
Magnesium	24-2	71087762	70893589	71610301	71197217	0.52	cps
Manganese	55-2	11293009	11054726	11445396	11264377	1.75	cps
Molybdenum	94-1	8772159	8951641	9148655	8957485	2.10	cps
Molybdenum	95-1	12236594	12696808	13036098	12656500	3.17	cps
Molybdenum	96-1	13504795	14201714	14003703	13903404	2.58	cps
Molybdenum	97-1	7467624	7753078	7991758	7737486	3.39	cps
Molybdenum	98-1	19821277	20553938	21154518	20509911	3.26	cps
Neodymium	150-1	170	190	173	178	6.03	cps
Neodymium	150-2	83	73	57	71	18.94	cps
Nickel	60-2	529801	527320	530068	529063	0.29	cps
Phosphorus	31-2	96643	94979	96009	95877	0.88	cps
Potassium	39-2	36239474	37229611	36957511	36808865	1.39	cps
Rhodium	103-1	3968170	3763104	3746436	3825904	3.23	cps
Rhodium	103-2	2550341	2513637	2494478	2519485	1.13	cps
Scandium	45-1	2616750	2502354	2479693	2532932	2.90	cps
Scandium	45-2	265804	266672	266118	266198	0.17	cps
Selenium	82-1	54004	56568	56366	55646	2.56	cps
Selenium	77-2	6882	6672	6501	6685	2.85	cps
Selenium	78-2	23001	23349	23165	23172	0.75	cps
Silicon	28-1	24653040	26148983	26257323	25686449	3.49	cps
Silver	107-1	3218461	3317384	3313534	3283126	1.71	cps
Silver	109-1	3041734	3150304	3135335	3109124	1.89	cps
Sodium	23-2	110554248	110839045	110552658	110648651	0.15	cps
Strontium	86-1	770271	807586	822676	800178	3.37	cps
Strontium	88-1	6803671	7234353	7151870	7063298	3.24	cps
Sulfur	34-1	390909	407779	413200	403963	2.88	cps
Terbium	159-1	5207745	4814948	4730903	4917865	5.18	cps
Terbium	159-2	3634551	3542882	3559011	3578815	1.37	cps
Thallium	203-1	2224019	2343699	2301883	2289867	2.65	cps
Thallium	205-1	5318232	5547145	5546244	5470540	2.41	cps
Tin	118-1	1910454	2029251	1995546	1978417	3.09	cps
Titanium	47-1	3198043	3381831	3496988	3358954	4.49	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:27:23	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6775033	7108089	7033522	6972215	2.51	cps
Vanadium	51-2	1167446	1150542	1145759	1154582	0.99	cps
Yttrium	89-1	7317837	7009191	7070569	7132532	2.29	cps
Yttrium	89-2	2111027	2094351	2103203	2102860	0.40	cps
Zinc	66-2	2988404	2999965	2972180	2986850	0.47	cps
Zirconium	90-1	4289607	4407198	4460361	4385722	1.99	cps
Zirconium	91-1	944672	991181	1000509	978787	3.06	cps

Reviewed By:jaswal
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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:30:23	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	523	637	497	552	13.46	cps
Antimony	121-1	747	833	833	804	6.22	cps
Arsenic	75-2	8	12	5	8	42.26	cps
Barium	135-1	30	47	43	40	22.05	cps
Barium	137-1	67	70	40	59	27.92	cps
Beryllium	9-1	17	13	13	14	13.35	cps
Bismuth	209-1	2875989	2951995	2922816	2916933	1.31	cps
Bismuth	209-2	2698401	2664551	2695320	2686091	0.70	cps
Bromine	81-1	8156	8289	8046	8163	1.49	cps
Bromine	81-2	183	193	187	188	2.71	cps
Cadmium	108-1	13	10	10	11	17.30	cps
Cadmium	106-1	1750	1563	1620	1645	5.82	cps
Cadmium	111-1	1276	1137	1160	1191	6.22	cps
Calcium	43-1	183	197	183	188	4.10	cps
Calcium	44-1	18468	18919	18665	18684	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1490	1497	1517	1501	0.92	cps
Cobalt	59-2	93	87	90	90	3.70	cps
Copper	63-2	1387	1373	1427	1396	1.99	cps
Dysprosium	156-1	0	10	7	6	91.64	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	40	23	7	23	71.42	cps
Erbium	164-2	10	13	30	18	60.28	cps
Gadolinium	160-1	30	33	27	30	11.10	cps
Gadolinium	160-2	313	233	280	276	14.58	cps
Holmium	165-1	4648913	4583203	4610577	4614231	0.72	cps
Holmium	165-2	3542096	3571930	3616975	3577000	1.05	cps
Indium	115-1	3780870	3776109	3878033	3811671	1.51	cps
Indium	115-2	1509320	1505877	1492612	1502603	0.59	cps
Iron	56-2	23702	23592	23645	23646	0.23	cps
Iron	57-2	1707	1480	1630	1606	7.18	cps
Iron	54-2	2220	2280	2440	2314	4.92	cps
Krypton	83-1	380	443	420	414	7.73	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:30:23	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	623	523	470	539	14.45	cps
Lead	207-1	517	450	440	469	8.89	cps
Lead	208-1	2273	1990	2050	2105	7.10	cps
Lithium	6-1	648227	650128	648808	649054	0.15	cps
Magnesium	24-2	610	610	637	619	2.49	cps
Manganese	55-2	737	797	697	743	6.77	cps
Molybdenum	94-1	480	527	533	513	5.66	cps
Molybdenum	95-1	590	500	557	549	8.29	cps
Molybdenum	96-1	607	577	537	573	6.13	cps
Molybdenum	97-1	330	337	320	329	2.55	cps
Molybdenum	98-1	993	783	793	857	13.83	cps
Neodymium	150-1	0	7	10	6	91.64	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	420	477	477	458	7.15	cps
Phosphorus	31-2	693	697	653	681	3.54	cps
Potassium	39-2	64958	64429	63937	64441	0.79	cps
Rhodium	103-1	3787158	3816915	3739787	3781287	1.03	cps
Rhodium	103-2	2555622	2525462	2591414	2557500	1.29	cps
Scandium	45-1	2372220	2319751	2373859	2355277	1.31	cps
Scandium	45-2	250828	251513	251021	251121	0.14	cps
Selenium	82-1	222	178	227	209	13.04	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	300	317	390	336	14.27	cps
Silicon	28-1	646762	643008	643523	644431	0.32	cps
Silver	107-1	350	360	267	326	15.74	cps
Silver	109-1	313	257	237	269	14.79	cps
Sodium	23-2	42000	41907	40353	41420	2.23	cps
Strontium	86-1	613	583	613	603	2.87	cps
Strontium	88-1	187	143	143	158	15.86	cps
Sulfur	34-1	170813	168818	171511	170381	0.82	cps
Terbium	159-1	4620832	4630915	4649448	4633732	0.31	cps
Terbium	159-2	3429844	3433957	3379522	3414441	0.89	cps
Thallium	203-1	600	600	523	574	7.71	cps
Thallium	205-1	1330	1280	1270	1293	2.49	cps
Tin	118-1	1127	1147	1167	1147	1.74	cps
Titanium	47-1	70	110	130	103	29.57	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:30:23	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57	33	37	42	29.89	cps
Vanadium	51-2	20	23	13	19	26.96	cps
Yttrium	89-1	6738676	6740388	6927665	6802243	1.60	cps
Yttrium	89-2	2128520	2003115	2068302	2066646	3.03	cps
Zinc	66-2	1203	1390	1237	1277	7.80	cps
Zirconium	90-1	610	647	517	591	11.34	cps
Zirconium	91-1	160	140	113	138	16.99	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CRI01	Instrumnet Name :	P7
Client Sample ID :	CRI01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:33:47	DataFile Name :	033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3771	3727	3627	3708	1.98	cps
Antimony	121-1	9340	9793	9533	9555	2.38	cps
Arsenic	75-2	506	416	446	456	10.02	cps
Barium	135-1	9780	10284	10364	10143	3.12	cps
Barium	137-1	17788	18168	18068	18008	1.10	cps
Beryllium	9-1	963	1003	933	967	3.63	cps
Bismuth	209-1	3006168	2960965	2951849	2972994	0.98	cps
Bismuth	209-2	2723458	2655799	2697672	2692310	1.27	cps
Bromine	81-1	8089	8483	7886	8152	3.72	cps
Bromine	81-2	217	193	163	191	13.99	cps
Cadmium	108-1	93	93	70	86	15.74	cps
Cadmium	106-1	1850	1983	1763	1866	5.94	cps
Cadmium	111-1	2517	2587	2492	2532	1.93	cps
Calcium	43-1	7142	7068	7058	7089	0.64	cps
Calcium	44-1	129591	130506	132520	130872	1.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6882	6982	6812	6892	1.24	cps
Cobalt	59-2	4411	4404	4271	4362	1.81	cps
Copper	63-2	7285	7242	7088	7205	1.43	cps
Dysprosium	156-1	7	3	10	7	50.03	cps
Dysprosium	156-2	3	17	7	9	78.08	cps
Erbium	164-1	27	30	17	24	28.38	cps
Erbium	164-2	10	23	27	20	44.10	cps
Gadolinium	160-1	20	33	3	19	79.59	cps
Gadolinium	160-2	243	257	320	273	14.99	cps
Holmium	165-1	4924850	4655699	4639953	4740167	3.38	cps
Holmium	165-2	3584931	3656226	3618577	3619911	0.99	cps
Indium	115-1	3910395	3783087	3876869	3856784	1.71	cps
Indium	115-2	1525465	1524512	1516997	1522325	0.30	cps
Iron	56-2	150952	150297	150649	150633	0.22	cps
Iron	57-2	4906	5043	4767	4905	2.82	cps
Iron	54-2	9356	9079	9400	9278	1.87	cps
Krypton	83-1	393	377	387	386	2.17	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CRI01	Instrumnet Name :	P7
Client Sample ID :	CRI01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:33:47	DataFile Name :	033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3337	3517	3657	3504	4.58	cps
Lead	207-1	2804	3197	3024	3008	6.55	cps
Lead	208-1	13023	13873	13826	13574	3.52	cps
Lithium	6-1	680156	656819	653811	663595	2.17	cps
Magnesium	24-2	134300	132259	130627	132395	1.39	cps
Manganese	55-2	2884	3057	3000	2980	2.97	cps
Molybdenum	94-1	10010	10544	10210	10255	2.63	cps
Molybdenum	95-1	12052	12335	12285	12224	1.24	cps
Molybdenum	96-1	12839	13773	13867	13493	4.21	cps
Molybdenum	97-1	7212	7332	7982	7509	5.52	cps
Molybdenum	98-1	19169	20114	19386	19556	2.53	cps
Neodymium	150-1	7	3	0	3	100.05	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	1643	1850	1787	1760	6.02	cps
Phosphorus	31-2	2780	2810	2970	2854	3.58	cps
Potassium	39-2	206035	205167	203974	205059	0.50	cps
Rhodium	103-1	3944625	3849654	3808476	3867585	1.81	cps
Rhodium	103-2	2597678	2567237	2528796	2564570	1.35	cps
Scandium	45-1	2475321	2411964	2316178	2401154	3.34	cps
Scandium	45-2	256105	253440	253031	254192	0.66	cps
Selenium	82-1	808	825	834	822	1.62	cps
Selenium	77-2	83	77	60	73	16.39	cps
Selenium	78-2	603	627	593	608	2.81	cps
Silicon	28-1	649890	653824	651414	651709	0.30	cps
Silver	107-1	6982	7292	7275	7183	2.43	cps
Silver	109-1	6855	6545	6938	6779	3.06	cps
Sodium	23-2	237966	237133	236786	237295	0.26	cps
Strontium	86-1	2087	2194	2030	2104	3.94	cps
Strontium	88-1	12699	12502	12792	12664	1.17	cps
Sulfur	34-1	177599	178543	178543	178228	0.31	cps
Terbium	159-1	4812320	4630802	4673858	4705660	2.02	cps
Terbium	159-2	3472731	3550055	3466779	3496522	1.33	cps
Thallium	203-1	4811	4884	4684	4793	2.11	cps
Thallium	205-1	11338	11155	11378	11290	1.06	cps
Tin	118-1	19800	20151	20378	20110	1.45	cps
Titanium	47-1	3267	3250	3457	3325	3.45	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CRI01	Instrumnet Name :	P7
Client Sample ID :	CRI01	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:33:47	DataFile Name :	033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11111	11952	12002	11689	4.28	cps
Vanadium	51-2	10891	10741	10651	10761	1.13	cps
Yttrium	89-1	7040100	6736899	6671887	6816295	2.88	cps
Yttrium	89-2	2019361	2084586	2043553	2049167	1.61	cps
Zinc	66-2	4717	5034	4624	4792	4.49	cps
Zirconium	90-1	8499	8980	9030	8836	3.31	cps
Zirconium	91-1	1983	1853	2054	1963	5.17	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BS	Instrumnet Name :	P7
Client Sample ID :	PB170191BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:40:34	DataFile Name :	035LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1727716	1708119	1741535	1725790	0.97	cps
Antimony	121-1	2566015	2604706	2604159	2591627	0.86	cps
Arsenic	75-2	211844	212500	211120	211821	0.33	cps
Barium	135-1	2902896	3067081	3033271	3001082	2.89	cps
Barium	137-1	5038998	5238430	5228186	5168538	2.17	cps
Beryllium	9-1	494313	495863	496237	495471	0.21	cps
Bismuth	209-1	2865271	2994680	3020321	2960091	2.81	cps
Bismuth	209-2	2606495	2686733	2611656	2634961	1.70	cps
Bromine	81-1	7996	8106	8042	8048	0.69	cps
Bromine	81-2	157	140	133	143	8.38	cps
Cadmium	108-1	53936	54191	54539	54222	0.56	cps
Cadmium	106-1	74396	76128	76597	75707	1.53	cps
Cadmium	111-1	744777	746971	751269	747672	0.44	cps
Calcium	43-1	763568	771300	767027	767298	0.50	cps
Calcium	44-1	11927766	11807140	11678814	11804574	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1399939	1435613	1404348	1413300	1.38	cps
Cobalt	59-2	2167831	2215532	2163092	2182152	1.33	cps
Copper	63-2	16773457	16828239	17035985	16879227	0.82	cps
Dysprosium	156-1	103	77	80	87	16.76	cps
Dysprosium	156-2	257	240	233	243	4.94	cps
Erbium	164-1	103	107	127	112	11.25	cps
Erbium	164-2	83	90	80	84	6.03	cps
Gadolinium	160-1	47	73	80	67	26.45	cps
Gadolinium	160-2	330	337	303	323	5.45	cps
Holmium	165-1	4736679	4750137	4707608	4731475	0.46	cps
Holmium	165-2	3672906	3599857	3566439	3613068	1.51	cps
Indium	115-1	3727336	3684817	3655036	3689063	0.98	cps
Indium	115-2	1455016	1455295	1454450	1454921	0.03	cps
Iron	56-2	68000449	67363519	66668627	67344198	0.99	cps
Iron	57-2	1678206	1710875	1630735	1673272	2.41	cps
Iron	54-2	3791110	3720385	3714406	3741967	1.14	cps
Krypton	83-1	307	383	363	351	11.33	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BS	Instrumnet Name :	P7
Client Sample ID :	PB170191BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:40:34	DataFile Name :	035LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10003512	10160263	10148085	10103954	0.86	cps
Lead	207-1	8564237	8752919	8657046	8658068	1.09	cps
Lead	208-1	38800939	40265709	40126889	39731179	2.04	cps
Lithium	6-1	657521	662132	675582	665078	1.41	cps
Magnesium	24-2	14625532	14829836	14889709	14781692	0.94	cps
Manganese	55-2	11838434	12055546	11654784	11849588	1.69	cps
Molybdenum	94-1	9197088	9402183	9437721	9345664	1.39	cps
Molybdenum	95-1	13145551	13404151	13435210	13328304	1.19	cps
Molybdenum	96-1	14521321	14608633	14633038	14587664	0.40	cps
Molybdenum	97-1	8126402	8277605	8279903	8227970	1.07	cps
Molybdenum	98-1	21800210	21550759	22028692	21793220	1.10	cps
Neodymium	150-1	143	100	137	127	18.42	cps
Neodymium	150-2	57	23	33	38	45.29	cps
Nickel	60-2	565598	565894	560454	563982	0.54	cps
Phosphorus	31-2	97351	96894	97817	97354	0.47	cps
Potassium	39-2	7765040	7653001	7589120	7669054	1.16	cps
Rhodium	103-1	3752033	3735997	3720751	3736260	0.42	cps
Rhodium	103-2	2431211	2498864	2452756	2460944	1.40	cps
Scandium	45-1	2335349	2333107	2335209	2334555	0.05	cps
Scandium	45-2	249538	249693	249866	249699	0.07	cps
Selenium	82-1	62533	62671	63088	62764	0.46	cps
Selenium	77-2	7429	7839	7335	7534	3.56	cps
Selenium	78-2	25502	25572	25609	25561	0.21	cps
Silicon	28-1	23555243	23789329	23913075	23752549	0.77	cps
Silver	107-1	3574524	3652425	3605441	3610796	1.09	cps
Silver	109-1	3438998	3404570	3480856	3441475	1.11	cps
Sodium	23-2	23171917	23531477	22720380	23141258	1.76	cps
Strontium	86-1	834960	851974	842130	843022	1.01	cps
Strontium	88-1	7390411	7542560	7549354	7494108	1.20	cps
Sulfur	34-1	420482	425781	420347	422203	0.73	cps
Terbium	159-1	4671004	4767236	4688035	4708758	1.09	cps
Terbium	159-2	3506098	3497141	3496878	3500039	0.15	cps
Thallium	203-1	2478947	2495340	2550686	2508324	1.50	cps
Thallium	205-1	5868217	5970268	6088727	5975737	1.85	cps
Tin	118-1	2137336	2159927	2094329	2130531	1.56	cps
Titanium	47-1	3506212	3595909	3593883	3565335	1.44	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BS	Instrumnet Name :	P7
Client Sample ID :	PB170191BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:40:34	DataFile Name :	035LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7313926	7556502	7583352	7484593	1.98	cps
Vanadium	51-2	1175215	1190076	1184901	1183397	0.64	cps
Yttrium	89-1	6764825	6756299	6825305	6782143	0.55	cps
Yttrium	89-2	2039589	1997121	1998022	2011577	1.21	cps
Zinc	66-2	3308002	3282248	3348690	3312980	1.01	cps
Zirconium	90-1	4543063	4724440	4677545	4648349	2.03	cps
Zirconium	91-1	1017509	1034512	1018377	1023466	0.94	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-03	Instrumnet Name :	P7
Client Sample ID :	3443	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:43:25	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	260136	257812	255958	257969	0.81	cps
Antimony	121-1	21446	21433	21690	21523	0.67	cps
Arsenic	75-2	7094	6864	6761	6906	2.47	cps
Barium	135-1	112013	115122	113824	113653	1.37	cps
Barium	137-1	196232	199025	195847	197035	0.88	cps
Beryllium	9-1	190	150	173	171	11.74	cps
Bismuth	209-1	3108855	3088501	3015471	3070942	1.60	cps
Bismuth	209-2	2806998	2796966	2778756	2794240	0.51	cps
Bromine	81-1	33364	38651	41508	37841	10.92	cps
Bromine	81-2	7759	7982	7742	7828	1.71	cps
Cadmium	108-1	903	950	920	924	2.56	cps
Cadmium	106-1	3380	3030	3037	3149	6.36	cps
Cadmium	111-1	13886	13591	13747	13741	1.07	cps
Calcium	43-1	1052464	1060018	1058848	1057110	0.38	cps
Calcium	44-1	16453487	16688674	16122311	16421491	1.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44666	44439	44178	44428	0.55	cps
Cobalt	59-2	36511	36020	36668	36400	0.93	cps
Copper	63-2	939552	932565	935777	935965	0.37	cps
Dysprosium	156-1	2237	2404	2310	2317	3.61	cps
Dysprosium	156-2	2054	2210	2384	2216	7.45	cps
Erbium	164-1	2557	2304	2317	2392	5.96	cps
Erbium	164-2	1840	1870	1743	1818	3.64	cps
Gadolinium	160-1	2370	2527	2557	2485	4.04	cps
Gadolinium	160-2	2360	2170	2374	2301	4.94	cps
Holmium	165-1	4960593	4886933	4966178	4937902	0.90	cps
Holmium	165-2	3827393	3833722	3987503	3882873	2.34	cps
Indium	115-1	3960440	3990438	3999211	3983363	0.51	cps
Indium	115-2	1589937	1587206	1606296	1594480	0.65	cps
Iron	56-2	25500963	25240485	25758205	25499884	1.02	cps
Iron	57-2	682872	679884	676050	679602	0.50	cps
Iron	54-2	1439187	1443289	1411068	1431181	1.23	cps
Krypton	83-1	387	333	377	366	7.76	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-03	Instrumnet Name :	P7
Client Sample ID :	3443	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:43:25	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	446624	450818	446666	448036	0.54	cps
Lead	207-1	371672	374094	372148	372638	0.34	cps
Lead	208-1	1723628	1727112	1725534	1725425	0.10	cps
Lithium	6-1	712996	705663	704221	707627	0.66	cps
Magnesium	24-2	3191685	3053032	3063911	3102876	2.48	cps
Manganese	55-2	692204	681809	685272	686428	0.77	cps
Molybdenum	94-1	32620	32633	33164	32806	0.95	cps
Molybdenum	95-1	38591	39072	39767	39143	1.51	cps
Molybdenum	96-1	43190	43170	44140	43500	1.27	cps
Molybdenum	97-1	24047	24751	24340	24379	1.45	cps
Molybdenum	98-1	63079	64405	62336	63273	1.66	cps
Neodymium	150-1	2817	2950	2877	2881	2.32	cps
Neodymium	150-2	1880	1890	2020	1930	4.05	cps
Nickel	60-2	31183	30561	30822	30855	1.01	cps
Phosphorus	31-2	11491	11558	11975	11675	2.25	cps
Potassium	39-2	5228387	5275059	5288152	5263866	0.60	cps
Rhodium	103-1	3916307	4002593	3907587	3942163	1.33	cps
Rhodium	103-2	2658436	2617223	2663541	2646400	0.96	cps
Scandium	45-1	2519465	2547535	2505507	2524169	0.85	cps
Scandium	45-2	270867	271446	271362	271225	0.12	cps
Selenium	82-1	253	411	330	331	23.90	cps
Selenium	77-2	3	10	20	11	75.52	cps
Selenium	78-2	403	337	327	356	11.72	cps
Silicon	28-1	27301441	27487439	26903790	27230890	1.09	cps
Silver	107-1	3844	3771	3837	3817	1.06	cps
Silver	109-1	3747	3490	3520	3586	3.91	cps
Sodium	23-2	70804349	67778867	68377342	68986853	2.32	cps
Strontium	86-1	311847	317966	314722	314845	0.97	cps
Strontium	88-1	2784231	2826034	2766650	2792305	1.09	cps
Sulfur	34-1	1068814	1075357	1066598	1070256	0.43	cps
Terbium	159-1	4958367	4961334	4944284	4954662	0.18	cps
Terbium	159-2	3725131	3698956	3756188	3726759	0.77	cps
Thallium	203-1	630	557	537	574	8.55	cps
Thallium	205-1	1447	1307	1347	1367	5.28	cps
Tin	118-1	23716	24458	23903	24026	1.60	cps
Titanium	47-1	46374	46793	46735	46634	0.49	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-03	Instrumnet Name :	P7
Client Sample ID :	3443	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:43:25	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5118	5084	5371	5191	3.02	cps
Vanadium	51-2	17941	17747	17554	17747	1.09	cps
Yttrium	89-1	7350849	7078736	7086789	7172125	2.16	cps
Yttrium	89-2	2204193	2148017	2151636	2167949	1.45	cps
Zinc	66-2	2143498	2067714	2067405	2092872	2.09	cps
Zirconium	90-1	28554	27993	27893	28147	1.27	cps
Zirconium	91-1	6405	6375	6258	6346	1.22	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04	Instrumnet Name :	P7
Client Sample ID :	3444	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:46:43	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	340612	335419	330596	335543	1.49	cps
Antimony	121-1	21853	22174	22284	22104	1.01	cps
Arsenic	75-2	6316	5869	5706	5963	5.30	cps
Barium	135-1	112911	112970	112850	112910	0.05	cps
Barium	137-1	194158	195151	197621	195643	0.91	cps
Beryllium	9-1	160	200	237	199	19.28	cps
Bismuth	209-1	3056929	3012766	3057616	3042437	0.84	cps
Bismuth	209-2	2761170	2742439	2691054	2731554	1.33	cps
Bromine	81-1	37063	40475	42611	40050	6.99	cps
Bromine	81-2	7682	7739	8196	7872	3.58	cps
Cadmium	108-1	1153	1037	1147	1112	5.89	cps
Cadmium	106-1	3490	3377	3334	3400	2.38	cps
Cadmium	111-1	15773	15962	15568	15768	1.25	cps
Calcium	43-1	1051696	1042472	1046397	1046855	0.44	cps
Calcium	44-1	16334616	16408451	16113801	16285623	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40270	40143	40083	40166	0.24	cps
Cobalt	59-2	34576	33387	33638	33867	1.85	cps
Copper	63-2	1089700	1080702	1084117	1084840	0.42	cps
Dysprosium	156-1	2654	2687	2794	2711	2.70	cps
Dysprosium	156-2	2560	2657	2514	2577	2.84	cps
Erbium	164-1	3224	2840	2917	2994	6.78	cps
Erbium	164-2	2434	2257	2400	2364	3.97	cps
Gadolinium	160-1	2934	3177	2880	2997	5.28	cps
Gadolinium	160-2	2800	2790	2590	2727	4.35	cps
Holmium	165-1	4925936	5002284	5032556	4986925	1.10	cps
Holmium	165-2	3892322	3849658	3808006	3849995	1.10	cps
Indium	115-1	4056497	3939222	3933448	3976389	1.75	cps
Indium	115-2	1594005	1580426	1576119	1583517	0.59	cps
Iron	56-2	16621902	16427728	16303047	16450893	0.98	cps
Iron	57-2	457645	453852	451811	454436	0.65	cps
Iron	54-2	948793	935924	946017	943578	0.72	cps
Krypton	83-1	363	357	353	358	1.42	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04	Instrumnet Name :	P7
Client Sample ID :	3444	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:46:43	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	495552	502395	496286	498078	0.75	cps
Lead	207-1	412072	411641	406653	410122	0.73	cps
Lead	208-1	1898791	1896915	1899428	1898378	0.07	cps
Lithium	6-1	714751	708548	692292	705197	1.64	cps
Magnesium	24-2	3111265	3120687	3092058	3108003	0.47	cps
Manganese	55-2	605885	597128	602589	601867	0.73	cps
Molybdenum	94-1	34588	34427	34858	34624	0.63	cps
Molybdenum	95-1	36318	36509	36399	36409	0.26	cps
Molybdenum	96-1	41211	40880	40951	41014	0.43	cps
Molybdenum	97-1	22634	23249	23102	22995	1.39	cps
Molybdenum	98-1	58597	60200	59186	59328	1.37	cps
Neodymium	150-1	3904	3487	3721	3704	5.64	cps
Neodymium	150-2	2390	2280	2574	2415	6.14	cps
Nickel	60-2	27612	27462	27105	27393	0.95	cps
Phosphorus	31-2	11531	11361	11411	11434	0.76	cps
Potassium	39-2	5386450	5255934	5306872	5316419	1.24	cps
Rhodium	103-1	4016612	4025542	3989242	4010465	0.47	cps
Rhodium	103-2	2666226	2660699	2629329	2652085	0.75	cps
Scandium	45-1	2577805	2529303	2557345	2554818	0.95	cps
Scandium	45-2	274276	273171	268533	271993	1.12	cps
Selenium	82-1	296	304	338	313	7.16	cps
Selenium	77-2	10	20	27	19	44.42	cps
Selenium	78-2	397	370	337	368	8.18	cps
Silicon	28-1	30838275	31885171	31034082	31252509	1.78	cps
Silver	107-1	4114	3954	3711	3926	5.17	cps
Silver	109-1	3540	3684	3640	3622	2.03	cps
Sodium	23-2	70426441	70828607	70661722	70638923	0.29	cps
Strontium	86-1	310899	306964	311754	309872	0.82	cps
Strontium	88-1	2792618	2736506	2775273	2768132	1.04	cps
Sulfur	34-1	1203629	1199954	1187215	1196933	0.72	cps
Terbium	159-1	5031879	4965897	4925883	4974553	1.08	cps
Terbium	159-2	3760770	3687822	3601203	3683265	2.17	cps
Thallium	203-1	417	467	503	462	9.41	cps
Thallium	205-1	957	1047	1130	1044	8.30	cps
Tin	118-1	30512	30830	31120	30821	0.99	cps
Titanium	47-1	61130	65100	60691	62307	3.90	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04	Instrumnet Name :	P7
Client Sample ID :	3444	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:46:43	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6061	5981	6182	6075	1.66	cps
Vanadium	51-2	20144	20040	19856	20013	0.73	cps
Yttrium	89-1	7546408	7238186	7504055	7429549	2.25	cps
Yttrium	89-2	2187386	2159689	2182662	2176579	0.68	cps
Zinc	66-2	2576540	2514554	2573839	2554977	1.37	cps
Zirconium	90-1	36104	36158	35212	35825	1.48	cps
Zirconium	91-1	7942	7649	8152	7914	3.20	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04DUP	Instrumnet Name :	P7
Client Sample ID :	3444DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:49:55	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	332683	328155	326933	329257	0.92	cps
Antimony	121-1	22628	22461	22514	22534	0.38	cps
Arsenic	75-2	5919	5689	5773	5794	2.01	cps
Barium	135-1	116052	115581	112145	114593	1.86	cps
Barium	137-1	199169	199896	200147	199737	0.25	cps
Beryllium	9-1	167	220	177	188	15.10	cps
Bismuth	209-1	3099677	3078802	3000029	3059503	1.72	cps
Bismuth	209-2	2748672	2713677	2745873	2736074	0.71	cps
Bromine	81-1	40559	45330	47958	44615	8.41	cps
Bromine	81-2	8783	9553	9240	9192	4.22	cps
Cadmium	108-1	1213	1187	1100	1167	5.08	cps
Cadmium	106-1	3370	3507	3450	3443	1.99	cps
Cadmium	111-1	16261	16155	16023	16146	0.74	cps
Calcium	43-1	1077402	1084663	1072413	1078159	0.57	cps
Calcium	44-1	16752054	16893915	16776936	16807635	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44576	43399	42433	43469	2.47	cps
Cobalt	59-2	34764	34343	34730	34612	0.68	cps
Copper	63-2	1111822	1099795	1101798	1104472	0.58	cps
Dysprosium	156-1	2910	2914	2814	2879	1.97	cps
Dysprosium	156-2	2470	2520	2504	2498	1.02	cps
Erbium	164-1	3000	2927	3080	3003	2.55	cps
Erbium	164-2	2227	2360	2204	2264	3.73	cps
Gadolinium	160-1	2980	3337	3054	3124	6.03	cps
Gadolinium	160-2	2587	2714	2460	2587	4.90	cps
Holmium	165-1	5046224	5090107	4997289	5044540	0.92	cps
Holmium	165-2	3935118	3792736	3813973	3847276	2.00	cps
Indium	115-1	4043377	3928641	4055854	4009291	1.75	cps
Indium	115-2	1587859	1612191	1584130	1594727	0.96	cps
Iron	56-2	16833082	16771593	16718062	16774246	0.34	cps
Iron	57-2	462525	458798	461765	461029	0.43	cps
Iron	54-2	961418	948620	950705	953581	0.72	cps
Krypton	83-1	373	373	413	387	5.97	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04DUP	Instrumnet Name :	P7
Client Sample ID :	3444DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:49:55	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	506903	509540	507682	508042	0.27	cps
Lead	207-1	422542	422525	422285	422451	0.03	cps
Lead	208-1	1941109	1946363	1944251	1943907	0.14	cps
Lithium	6-1	717146	710027	712226	713133	0.51	cps
Magnesium	24-2	3220848	3124708	3204295	3183283	1.61	cps
Manganese	55-2	556498	552819	548096	552471	0.76	cps
Molybdenum	94-1	34654	35420	34514	34863	1.40	cps
Molybdenum	95-1	37695	38136	36783	37538	1.84	cps
Molybdenum	96-1	41786	42538	42040	42122	0.91	cps
Molybdenum	97-1	23462	23332	23446	23413	0.30	cps
Molybdenum	98-1	61077	60839	59815	60577	1.11	cps
Neodymium	150-1	3697	3647	3644	3663	0.82	cps
Neodymium	150-2	2370	2490	2437	2432	2.47	cps
Nickel	60-2	28771	27913	27749	28144	1.95	cps
Phosphorus	31-2	11855	11728	11785	11789	0.54	cps
Potassium	39-2	5498570	5462263	5400109	5453647	0.91	cps
Rhodium	103-1	3961889	4036929	4020437	4006418	0.98	cps
Rhodium	103-2	2628574	2645453	2611854	2628627	0.64	cps
Scandium	45-1	2613821	2551599	2533983	2566468	1.63	cps
Scandium	45-2	274851	270665	272290	272602	0.77	cps
Selenium	82-1	306	264	313	294	9.00	cps
Selenium	77-2	13	33	17	21	50.75	cps
Selenium	78-2	427	337	283	349	20.76	cps
Silicon	28-1	30712740	30568530	30476270	30585847	0.39	cps
Silver	107-1	3951	3897	3994	3947	1.23	cps
Silver	109-1	3741	3801	3524	3688	3.95	cps
Sodium	23-2	73445134	71679082	72820377	72648198	1.23	cps
Strontium	86-1	319755	319175	313368	317433	1.11	cps
Strontium	88-1	2947988	2802431	2821605	2857342	2.77	cps
Sulfur	34-1	1178612	1210989	1121402	1170334	3.88	cps
Terbium	159-1	5154587	5145442	5054168	5118066	1.08	cps
Terbium	159-2	3724700	3619173	3687202	3677025	1.45	cps
Thallium	203-1	367	407	363	379	6.36	cps
Thallium	205-1	927	1050	950	976	6.72	cps
Tin	118-1	27463	27680	27423	27522	0.50	cps
Titanium	47-1	65279	61662	61258	62733	3.53	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04DUP	Instrumnet Name :	P7
Client Sample ID :	3444DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:49:55	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6098	5941	6178	6073	1.98	cps
Vanadium	51-2	19806	20330	19950	20029	1.35	cps
Yttrium	89-1	7572735	7268997	7338851	7393527	2.15	cps
Yttrium	89-2	2173692	2182773	2224553	2193673	1.24	cps
Zinc	66-2	2595275	2578312	2619343	2597643	0.79	cps
Zirconium	90-1	35710	36228	35018	35652	1.70	cps
Zirconium	91-1	7886	8249	7966	8033	2.38	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04LX5	Instrumnet Name :	P7
Client Sample ID :	3444L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 13:53:08	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	67651	65037	66266	66318	1.97	cps
Antimony	121-1	4491	4334	4397	4407	1.79	cps
Arsenic	75-2	1242	1127	1117	1162	5.99	cps
Barium	135-1	21490	22247	22257	21998	2.00	cps
Barium	137-1	37516	38432	38345	38098	1.33	cps
Beryllium	9-1	30	50	63	48	35.11	cps
Bismuth	209-1	2987355	3084713	3064858	3045642	1.69	cps
Bismuth	209-2	2767392	2752720	2726684	2748932	0.75	cps
Bromine	81-1	19086	18555	17767	18469	3.59	cps
Bromine	81-2	2110	2147	2227	2161	2.76	cps
Cadmium	108-1	170	227	197	198	14.33	cps
Cadmium	106-1	2067	2080	2090	2079	0.56	cps
Cadmium	111-1	4108	4174	4182	4155	0.98	cps
Calcium	43-1	200571	200678	203039	201429	0.69	cps
Calcium	44-1	3136706	3181202	3241244	3186384	1.65	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9099	8819	9116	9012	1.85	cps
Cobalt	59-2	6922	6662	6685	6756	2.13	cps
Copper	63-2	215068	216439	215246	215584	0.35	cps
Dysprosium	156-1	527	507	583	539	7.38	cps
Dysprosium	156-2	587	493	520	533	9.01	cps
Erbium	164-1	550	590	597	579	4.36	cps
Erbium	164-2	410	490	473	458	9.22	cps
Gadolinium	160-1	747	620	573	647	13.87	cps
Gadolinium	160-2	697	727	677	700	3.60	cps
Holmium	165-1	4741864	4771164	4873894	4795641	1.45	cps
Holmium	165-2	3823485	3776209	3703045	3767579	1.61	cps
Indium	115-1	3844424	3911487	4019360	3925091	2.25	cps
Indium	115-2	1575282	1560350	1563175	1566269	0.51	cps
Iron	56-2	3254580	3304431	3272674	3277228	0.77	cps
Iron	57-2	91094	89756	90524	90458	0.74	cps
Iron	54-2	185778	187333	187273	186795	0.47	cps
Krypton	83-1	380	377	450	402	10.29	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04LX5	Instrumnet Name :	P7
Client Sample ID :	3444L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 13:53:08	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	95048	98954	99055	97685	2.34	cps
Lead	207-1	79639	80941	80699	80426	0.86	cps
Lead	208-1	368542	376914	375585	373680	1.20	cps
Lithium	6-1	673988	683411	680690	679363	0.71	cps
Magnesium	24-2	605345	597074	598653	600358	0.73	cps
Manganese	55-2	117306	116631	119602	117846	1.32	cps
Molybdenum	94-1	6421	6685	6672	6593	2.25	cps
Molybdenum	95-1	7005	7372	7219	7199	2.56	cps
Molybdenum	96-1	8059	7802	8166	8009	2.33	cps
Molybdenum	97-1	4534	4617	4487	4546	1.45	cps
Molybdenum	98-1	11381	11661	11885	11643	2.17	cps
Neodymium	150-1	787	690	770	749	6.90	cps
Neodymium	150-2	350	467	343	387	17.94	cps
Nickel	60-2	5624	5778	5741	5714	1.40	cps
Phosphorus	31-2	2757	2790	2710	2753	1.46	cps
Potassium	39-2	1123338	1120844	1124241	1122808	0.16	cps
Rhodium	103-1	3859514	3942274	3939028	3913605	1.20	cps
Rhodium	103-2	2683525	2613187	2657699	2651471	1.34	cps
Scandium	45-1	2451679	2460928	2468930	2460513	0.35	cps
Scandium	45-2	263759	261016	263272	262682	0.56	cps
Selenium	82-1	218	216	229	221	3.23	cps
Selenium	77-2	0	17	10	9	94.38	cps
Selenium	78-2	280	363	350	331	13.52	cps
Silicon	28-1	6586355	6644509	6831063	6687309	1.91	cps
Silver	107-1	763	827	697	762	8.53	cps
Silver	109-1	810	757	737	768	4.94	cps
Sodium	23-2	13922367	13824663	13947373	13898134	0.47	cps
Strontium	86-1	59393	60384	60162	59980	0.87	cps
Strontium	88-1	515183	521883	520875	519313	0.70	cps
Sulfur	34-1	343480	347992	346236	345903	0.66	cps
Terbium	159-1	4765903	4805278	4833068	4801417	0.70	cps
Terbium	159-2	3559030	3593805	3625106	3592647	0.92	cps
Thallium	203-1	223	263	273	253	10.44	cps
Thallium	205-1	643	557	553	584	8.73	cps
Tin	118-1	6855	6982	7452	7096	4.43	cps
Titanium	47-1	11358	11548	11905	11603	2.39	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04LX5	Instrumnet Name :	P7
Client Sample ID :	3444L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 13:53:08	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1200	1193	1253	1216	2.71	cps
Vanadium	51-2	3864	3784	3904	3851	1.59	cps
Yttrium	89-1	6948907	7016527	7025167	6996867	0.60	cps
Yttrium	89-2	2118119	2129057	2078169	2108448	1.27	cps
Zinc	66-2	507398	500494	502124	503338	0.72	cps
Zirconium	90-1	6715	7075	7289	7026	4.13	cps
Zirconium	91-1	1520	1567	1663	1583	4.62	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MS	Instrumnet Name :	P7
Client Sample ID :	3444MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:56:29	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1765723	1769142	1764307	1766391	0.14	cps
Antimony	121-1	2463331	2512223	2489872	2488476	0.98	cps
Arsenic	75-2	213696	211288	207631	210872	1.45	cps
Barium	135-1	2649644	2667000	2696959	2671201	0.90	cps
Barium	137-1	4574725	4686288	4558640	4606551	1.51	cps
Beryllium	9-1	474449	464491	461797	466912	1.43	cps
Bismuth	209-1	3168814	3141613	3152144	3154190	0.43	cps
Bismuth	209-2	2811618	2724020	2778007	2771215	1.59	cps
Bromine	81-1	37722	44116	49095	43644	13.06	cps
Bromine	81-2	9296	9963	10090	9783	4.36	cps
Cadmium	108-1	48705	48932	48391	48676	0.56	cps
Cadmium	106-1	71682	71836	70972	71497	0.64	cps
Cadmium	111-1	704567	708478	713241	708762	0.61	cps
Calcium	43-1	1697145	1756364	1671129	1708213	2.56	cps
Calcium	44-1	26734817	27686552	26960602	27127324	1.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1377414	1338583	1315525	1343841	2.33	cps
Cobalt	59-2	2110564	2069243	2096222	2092010	1.00	cps
Copper	63-2	16084896	15703519	15709722	15832712	1.38	cps
Dysprosium	156-1	2870	2767	2650	2763	3.99	cps
Dysprosium	156-2	2654	2734	2577	2655	2.95	cps
Erbium	164-1	2770	3020	2904	2898	4.32	cps
Erbium	164-2	2154	2187	2157	2166	0.85	cps
Gadolinium	160-1	2837	2784	2910	2844	2.24	cps
Gadolinium	160-2	2564	2720	2630	2638	2.98	cps
Holmium	165-1	5151833	5080194	5078040	5103356	0.82	cps
Holmium	165-2	3949777	3874764	3782404	3868982	2.17	cps
Indium	115-1	4126593	4132211	3978205	4079003	2.14	cps
Indium	115-2	1603423	1623393	1605649	1610822	0.68	cps
Iron	56-2	70665569	71115329	69941074	70573991	0.84	cps
Iron	57-2	1818966	1784245	1790797	1798003	1.03	cps
Iron	54-2	3872606	3922642	3942525	3912591	0.92	cps
Krypton	83-1	380	367	407	384	5.30	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MS	Instrumnet Name :	P7
Client Sample ID :	3444MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:56:29	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9947676	10050909	10002802	10000462	0.52	cps
Lead	207-1	8487400	8873369	8584533	8648434	2.32	cps
Lead	208-1	39110590	40050578	39007125	39389431	1.46	cps
Lithium	6-1	721375	726547	722897	723606	0.37	cps
Magnesium	24-2	17799363	18093808	17519661	17804278	1.61	cps
Manganese	55-2	11119652	10932164	10715129	10922315	1.85	cps
Molybdenum	94-1	4387206	4302011	4297995	4329070	1.16	cps
Molybdenum	95-1	4681426	4648860	4637600	4655962	0.49	cps
Molybdenum	96-1	5176509	5243979	5215126	5211871	0.65	cps
Molybdenum	97-1	2907550	2842345	2895028	2881641	1.20	cps
Molybdenum	98-1	7626050	7489154	7411635	7508947	1.45	cps
Neodymium	150-1	3427	3467	3480	3458	0.80	cps
Neodymium	150-2	2280	2317	2277	2291	0.97	cps
Nickel	60-2	551384	550540	550397	550774	0.10	cps
Phosphorus	31-2	11127	11198	10871	11065	1.56	cps
Potassium	39-2	11809983	11908322	11724129	11814144	0.78	cps
Rhodium	103-1	3987943	4020209	3940975	3983042	1.00	cps
Rhodium	103-2	2654085	2628680	2707299	2663354	1.51	cps
Scandium	45-1	2580944	2641499	2581869	2601437	1.33	cps
Scandium	45-2	279901	278673	278114	278896	0.33	cps
Selenium	82-1	60422	60420	60293	60378	0.12	cps
Selenium	77-2	7198	7188	7102	7163	0.74	cps
Selenium	78-2	24751	24664	24554	24656	0.40	cps
Silicon	28-1	29142647	30669425	29051481	29621184	3.07	cps
Silver	107-1	543348	549727	548624	547233	0.62	cps
Silver	109-1	515692	518696	521509	518632	0.56	cps
Sodium	23-2	92457982	91731625	91747242	91978950	0.45	cps
Strontium	86-1	1217960	1218194	1219562	1218572	0.07	cps
Strontium	88-1	10787130	10866476	10765155	10806254	0.49	cps
Sulfur	34-1	1081025	1078822	1070775	1076874	0.50	cps
Terbium	159-1	5014210	5131961	5098613	5081594	1.19	cps
Terbium	159-2	3776768	3713659	3695370	3728599	1.15	cps
Thallium	203-1	2197423	2347112	2240032	2261522	3.41	cps
Thallium	205-1	5386504	5565795	5419969	5457422	1.75	cps
Tin	118-1	1824999	1820166	1818748	1821304	0.18	cps
Titanium	47-1	58449	59031	58790	58757	0.50	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MS	Instrumnet Name :	P7
Client Sample ID :	3444MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:56:29	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6977108	6866521	6718558	6854062	1.89	cps
Vanadium	51-2	1180523	1180221	1164337	1175027	0.79	cps
Yttrium	89-1	7491763	7565677	7460137	7505859	0.72	cps
Yttrium	89-2	2232591	2230733	2199547	2220957	0.84	cps
Zinc	66-2	5335958	5251142	5122353	5236485	2.05	cps
Zirconium	90-1	4358246	4344072	4312524	4338281	0.54	cps
Zirconium	91-1	954012	968790	958825	960542	0.78	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MSD	Instrumnet Name :	P7
Client Sample ID :	3444MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:59:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1857400	1861850	1844445	1854565	0.49	cps
Antimony	121-1	2463769	2479780	2529528	2491026	1.38	cps
Arsenic	75-2	211157	210523	208742	210141	0.60	cps
Barium	135-1	2664752	2673467	2690216	2676145	0.48	cps
Barium	137-1	4605034	4610119	4567539	4594231	0.51	cps
Beryllium	9-1	460137	469307	470830	466758	1.24	cps
Bismuth	209-1	3139927	3164756	3178284	3160989	0.62	cps
Bismuth	209-2	2884959	2860214	2872514	2872562	0.43	cps
Bromine	81-1	39633	44112	46610	43452	8.14	cps
Bromine	81-2	8679	9026	9046	8917	2.31	cps
Cadmium	108-1	49795	50023	49748	49856	0.29	cps
Cadmium	106-1	72054	73096	73200	72784	0.87	cps
Cadmium	111-1	704088	699969	715407	706488	1.13	cps
Calcium	43-1	1682908	1756351	1719824	1719694	2.14	cps
Calcium	44-1	26849216	27477310	27362359	27229628	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1371140	1360902	1342470	1358171	1.07	cps
Cobalt	59-2	2142078	2143394	2165034	2150168	0.60	cps
Copper	63-2	16516784	16648336	16054892	16406671	1.90	cps
Dysprosium	156-1	2904	2924	2704	2844	4.28	cps
Dysprosium	156-2	2760	2750	2590	2700	3.53	cps
Erbium	164-1	2814	3064	2844	2907	4.70	cps
Erbium	164-2	2264	2280	2237	2260	0.97	cps
Gadolinium	160-1	2957	3047	3040	3015	1.66	cps
Gadolinium	160-2	2700	2787	2744	2744	1.58	cps
Holmium	165-1	5205972	5164510	5208507	5192996	0.48	cps
Holmium	165-2	4030948	4005746	3992841	4009845	0.48	cps
Indium	115-1	4147337	4150278	4133055	4143556	0.22	cps
Indium	115-2	1665171	1620830	1667781	1651261	1.60	cps
Iron	56-2	71873012	72249622	71754546	71959060	0.36	cps
Iron	57-2	1832306	1840263	1841099	1837889	0.26	cps
Iron	54-2	4013631	3990628	4052971	4019077	0.78	cps
Krypton	83-1	440	363	317	373	16.68	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MSD	Instrumnet Name :	P7
Client Sample ID :	3444MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:59:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10106683	10323030	9966810	10132175	1.77	cps
Lead	207-1	8480705	8807215	8677279	8655066	1.90	cps
Lead	208-1	39565750	40155338	39088989	39603359	1.35	cps
Lithium	6-1	736316	737629	747346	740431	0.81	cps
Magnesium	24-2	18474386	19052893	18545230	18690836	1.69	cps
Manganese	55-2	11263371	10882931	11141676	11095993	1.75	cps
Molybdenum	94-1	4231703	4272595	4335344	4279881	1.22	cps
Molybdenum	95-1	4679509	4692539	4833903	4735317	1.81	cps
Molybdenum	96-1	5278230	5384153	5399269	5353884	1.23	cps
Molybdenum	97-1	2890055	2868883	2909569	2889502	0.70	cps
Molybdenum	98-1	7618161	7525063	7531686	7558303	0.69	cps
Neodymium	150-1	3654	3537	3480	3557	2.49	cps
Neodymium	150-2	2200	2370	2447	2339	5.40	cps
Nickel	60-2	560530	564379	559356	561422	0.47	cps
Phosphorus	31-2	11117	11574	10821	11171	3.40	cps
Potassium	39-2	12279341	12122020	11858464	12086608	1.76	cps
Rhodium	103-1	4089792	4109670	4110636	4103366	0.29	cps
Rhodium	103-2	2728335	2707808	2740283	2725475	0.60	cps
Scandium	45-1	2657194	2673787	2633076	2654686	0.77	cps
Scandium	45-2	289073	287188	285332	287198	0.65	cps
Selenium	82-1	59660	61317	61232	60736	1.54	cps
Selenium	77-2	7415	7432	7279	7375	1.14	cps
Selenium	78-2	25015	25205	24754	24991	0.91	cps
Silicon	28-1	29302707	30435875	30202900	29980494	2.00	cps
Silver	107-1	548204	544854	559630	550896	1.41	cps
Silver	109-1	513416	514373	518328	515372	0.51	cps
Sodium	23-2	95401735	96103115	93026765	94843872	1.70	cps
Strontium	86-1	1222689	1223053	1222047	1222597	0.04	cps
Strontium	88-1	10796524	10862416	11090489	10916476	1.41	cps
Sulfur	34-1	1078136	1164066	1089961	1110721	4.19	cps
Terbium	159-1	5146456	5355951	5208965	5237124	2.05	cps
Terbium	159-2	3914516	3859725	3827428	3867223	1.14	cps
Thallium	203-1	2240812	2339339	2280655	2286935	2.17	cps
Thallium	205-1	5572165	5505298	5547585	5541682	0.61	cps
Tin	118-1	1857041	1867087	1842553	1855561	0.66	cps
Titanium	47-1	59329	62364	59349	60347	2.89	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04MSD	Instrumnet Name :	P7
Client Sample ID :	3444MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 13:59:25	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6855542	6930254	6854412	6880069	0.63	cps
Vanadium	51-2	1189389	1192144	1176304	1185946	0.71	cps
Yttrium	89-1	7546342	7673221	7610295	7609953	0.83	cps
Yttrium	89-2	2322758	2339712	2222191	2294887	2.77	cps
Zinc	66-2	5303477	5396740	5358065	5352761	0.88	cps
Zirconium	90-1	4340922	4398054	4425198	4388058	0.98	cps
Zirconium	91-1	948566	966944	968708	961406	1.16	cps

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04A	Instrumnet Name :	P7
Client Sample ID :	3444A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:02:13	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1894536	1874654	1817840	1862343	2.14	cps
Antimony	121-1	2544957	2572081	2531477	2549505	0.81	cps
Arsenic	75-2	214154	214462	212646	213754	0.45	cps
Barium	135-1	2649976	2782230	2685923	2706043	2.53	cps
Barium	137-1	4608111	4753963	4782430	4714835	1.98	cps
Beryllium	9-1	473882	484604	479956	479480	1.12	cps
Bismuth	209-1	3214080	3153101	3180302	3182495	0.96	cps
Bismuth	209-2	2841629	2844565	2862087	2849427	0.39	cps
Bromine	81-1	41208	48386	52158	47251	11.77	cps
Bromine	81-2	10197	10814	10360	10457	3.06	cps
Cadmium	108-1	51280	51648	51424	51451	0.36	cps
Cadmium	106-1	75251	75710	72600	74520	2.25	cps
Cadmium	111-1	727693	736616	728625	730978	0.67	cps
Calcium	43-1	1733699	1766119	1746436	1748751	0.93	cps
Calcium	44-1	27217985	28007273	27599855	27608371	1.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1383766	1400542	1368983	1384430	1.14	cps
Cobalt	59-2	2238444	2247116	2173031	2219530	1.82	cps
Copper	63-2	16499709	16379814	16218747	16366090	0.86	cps
Dysprosium	156-1	2874	2834	2647	2785	4.35	cps
Dysprosium	156-2	2870	2920	2660	2817	4.90	cps
Erbium	164-1	3207	3010	2900	3039	5.11	cps
Erbium	164-2	2184	2060	2230	2158	4.07	cps
Gadolinium	160-1	3024	2890	3030	2981	2.65	cps
Gadolinium	160-2	2740	2720	2680	2714	1.13	cps
Holmium	165-1	5102307	5202083	5279803	5194731	1.71	cps
Holmium	165-2	4051097	3991716	4016860	4019891	0.74	cps
Indium	115-1	4110545	4106257	4187812	4134871	1.11	cps
Indium	115-2	1642660	1640846	1634147	1639218	0.27	cps
Iron	56-2	73063152	73737452	71774884	72858496	1.37	cps
Iron	57-2	1860995	1861517	1879104	1867205	0.55	cps
Iron	54-2	4144341	3991891	4087413	4074548	1.89	cps
Krypton	83-1	390	383	430	401	6.29	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04A	Instrumnet Name :	P7
Client Sample ID :	3444A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:02:13	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10060351	10332660	10278307	10223773	1.41	cps
Lead	207-1	8857440	8908818	8812966	8859741	0.54	cps
Lead	208-1	40265596	40377010	40548621	40397076	0.35	cps
Lithium	6-1	740017	736390	741618	739342	0.36	cps
Magnesium	24-2	18642541	18397883	18043838	18361421	1.64	cps
Manganese	55-2	11126880	11155651	11082971	11121834	0.33	cps
Molybdenum	94-1	4327231	4423363	4411104	4387233	1.19	cps
Molybdenum	95-1	4811875	4824511	4744053	4793479	0.90	cps
Molybdenum	96-1	5371188	5346061	5423296	5380182	0.73	cps
Molybdenum	97-1	2952026	2969653	2914591	2945423	0.95	cps
Molybdenum	98-1	7695171	7668778	7657406	7673785	0.25	cps
Neodymium	150-1	3654	3811	3767	3744	2.16	cps
Neodymium	150-2	2357	2247	2107	2237	5.60	cps
Nickel	60-2	579203	576049	568545	574599	0.95	cps
Phosphorus	31-2	11504	11114	11564	11394	2.15	cps
Potassium	39-2	12345800	12229577	12117579	12230986	0.93	cps
Rhodium	103-1	4122636	4041964	4009243	4057948	1.44	cps
Rhodium	103-2	2764829	2779988	2738389	2761068	0.76	cps
Scandium	45-1	2702095	2683443	2648380	2677973	1.02	cps
Scandium	45-2	288294	289156	283888	287113	0.98	cps
Selenium	82-1	61399	62076	62496	61990	0.89	cps
Selenium	77-2	7769	7912	7462	7714	2.98	cps
Selenium	78-2	25826	25469	25449	25581	0.83	cps
Silicon	28-1	29688149	29734227	30154570	29858982	0.86	cps
Silver	107-1	567935	575194	570237	571122	0.65	cps
Silver	109-1	530105	540549	537131	535928	0.99	cps
Sodium	23-2	94684639	95021155	94341442	94682412	0.36	cps
Strontium	86-1	1242242	1259539	1263339	1255040	0.90	cps
Strontium	88-1	11177752	11253073	11181829	11204218	0.38	cps
Sulfur	34-1	1094652	1191373	1099867	1128631	4.82	cps
Terbium	159-1	5337006	5239571	5305310	5293962	0.94	cps
Terbium	159-2	3803863	3836122	3859575	3833187	0.73	cps
Thallium	203-1	2307999	2353993	2379763	2347252	1.55	cps
Thallium	205-1	5599930	5741628	5705082	5682214	1.29	cps
Tin	118-1	1862444	1918302	1918163	1899636	1.70	cps
Titanium	47-1	58881	60414	61320	60205	2.05	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3386-04A	Instrumnet Name :	P7
Client Sample ID :	3444A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:02:13	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7084734	7106547	7037161	7076147	0.50	cps
Vanadium	51-2	1225123	1225796	1216797	1222572	0.41	cps
Yttrium	89-1	7573534	7749433	7517276	7613414	1.59	cps
Yttrium	89-2	2294458	2261707	2307581	2287915	1.03	cps
Zinc	66-2	5419363	5466313	5409574	5431750	0.56	cps
Zirconium	90-1	4581312	4524099	4469297	4524903	1.24	cps
Zirconium	91-1	987134	996145	994871	992716	0.49	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BL	Instrumnet Name :	P7
Client Sample ID :	PB170191BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:08:34	DataFile Name :	044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	487	447	467	467	4.29	cps
Antimony	121-1	157	97	133	129	23.47	cps
Arsenic	75-2	11	8	5	8	41.03	cps
Barium	135-1	53	57	57	56	3.47	cps
Barium	137-1	107	63	70	80	29.17	cps
Beryllium	9-1	37	27	37	33	17.32	cps
Bismuth	209-1	3061154	3087960	2994972	3048028	1.57	cps
Bismuth	209-2	2812721	2762439	2735009	2770056	1.42	cps
Bromine	81-1	9937	9580	9730	9749	1.84	cps
Bromine	81-2	393	403	360	386	5.88	cps
Cadmium	108-1	10	23	20	18	39.03	cps
Cadmium	106-1	1797	1747	1690	1745	3.06	cps
Cadmium	111-1	1311	1276	1199	1262	4.53	cps
Calcium	43-1	110	170	163	148	22.25	cps
Calcium	44-1	18649	18575	19166	18797	1.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1770	1643	1873	1762	6.54	cps
Cobalt	59-2	97	77	107	93	16.37	cps
Copper	63-2	1780	1737	1903	1807	4.79	cps
Dysprosium	156-1	10	0	3	4	114.60	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	17	40	37	31	40.56	cps
Erbium	164-2	30	23	27	27	12.51	cps
Gadolinium	160-1	23	40	13	26	52.73	cps
Gadolinium	160-2	227	283	223	244	13.79	cps
Holmium	165-1	4837046	4761918	4872007	4823657	1.17	cps
Holmium	165-2	3787932	3758823	3780688	3775815	0.40	cps
Indium	115-1	3993813	4016577	4059042	4023144	0.82	cps
Indium	115-2	1580897	1585226	1583010	1583044	0.14	cps
Iron	56-2	23932	23645	23802	23793	0.60	cps
Iron	57-2	1723	1750	1553	1676	6.37	cps
Iron	54-2	2417	2297	2390	2368	2.66	cps
Krypton	83-1	377	413	293	361	17.03	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BL	Instrumnet Name :	P7
Client Sample ID :	PB170191BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:08:34	DataFile Name :	044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	410	377	357	381	7.07	cps
Lead	207-1	380	360	330	357	7.06	cps
Lead	208-1	1597	1640	1477	1571	5.39	cps
Lithium	6-1	691725	674892	688021	684879	1.29	cps
Magnesium	24-2	420	510	483	471	9.81	cps
Manganese	55-2	737	703	753	731	3.48	cps
Molybdenum	94-1	350	297	277	308	12.32	cps
Molybdenum	95-1	217	220	280	239	14.92	cps
Molybdenum	96-1	393	283	317	331	17.03	cps
Molybdenum	97-1	190	213	203	202	5.79	cps
Molybdenum	98-1	403	360	460	408	12.30	cps
Neodymium	150-1	7	0	3	3	100.05	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	517	520	500	512	2.09	cps
Phosphorus	31-2	723	613	633	657	8.92	cps
Potassium	39-2	61855	60513	60955	61108	1.12	cps
Rhodium	103-1	4005997	4022086	4061141	4029741	0.70	cps
Rhodium	103-2	2686613	2660910	2647330	2664951	0.75	cps
Scandium	45-1	2490652	2479007	2402308	2457322	1.95	cps
Scandium	45-2	266998	265977	264174	265716	0.54	cps
Selenium	82-1	215	243	319	259	20.80	cps
Selenium	77-2	3	0	7	3	100.05	cps
Selenium	78-2	307	350	360	339	8.37	cps
Silicon	28-1	687030	679370	673850	680083	0.97	cps
Silver	107-1	150	157	143	150	4.44	cps
Silver	109-1	117	160	157	144	16.69	cps
Sodium	23-2	39681	39574	39918	39724	0.44	cps
Strontium	86-1	603	667	683	651	6.48	cps
Strontium	88-1	220	200	217	212	5.05	cps
Sulfur	34-1	168480	169080	169707	169089	0.36	cps
Terbium	159-1	4963343	4831059	4694381	4829595	2.78	cps
Terbium	159-2	3603306	3496559	3650023	3583296	2.20	cps
Thallium	203-1	423	447	423	431	3.13	cps
Thallium	205-1	1020	1127	953	1033	8.46	cps
Tin	118-1	1350	1330	1263	1315	3.45	cps
Titanium	47-1	37	100	83	73	44.76	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170191BL	Instrumnet Name :	P7
Client Sample ID :	PB170191BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:08:34	DataFile Name :	044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	60	37	47	48	24.50	cps
Vanadium	51-2	30	43	37	37	18.18	cps
Yttrium	89-1	7250070	7162756	7032618	7148481	1.53	cps
Yttrium	89-2	2152190	2161955	2089484	2134543	1.84	cps
Zinc	66-2	1490	1363	1293	1382	7.21	cps
Zirconium	90-1	370	440	480	430	12.95	cps
Zirconium	91-1	107	77	100	94	16.68	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:11:59	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8211681	8063054	8087335	8120690	0.98	cps
Antimony	121-1	2423347	2506959	2444897	2458401	1.77	cps
Arsenic	75-2	202019	200415	200835	201090	0.41	cps
Barium	135-1	2844470	2903725	2939838	2896011	1.66	cps
Barium	137-1	4925463	5065530	5020149	5003714	1.43	cps
Beryllium	9-1	455300	460224	460179	458568	0.62	cps
Bismuth	209-1	2934367	2913930	2941339	2929879	0.49	cps
Bismuth	209-2	2660710	2671595	2650387	2660897	0.40	cps
Bromine	81-1	8666	8659	8533	8619	0.87	cps
Bromine	81-2	260	257	227	248	7.41	cps
Cadmium	108-1	49100	50615	49417	49710	1.61	cps
Cadmium	106-1	70902	71622	69171	70565	1.79	cps
Cadmium	111-1	684342	692606	683440	686796	0.74	cps
Calcium	43-1	3545093	3581362	3494290	3540249	1.24	cps
Calcium	44-1	55877649	57183692	56147394	56402912	1.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1399154	1356787	1362278	1372740	1.68	cps
Cobalt	59-2	2073555	2106845	2076319	2085573	0.89	cps
Copper	63-2	16259484	15960680	15849829	16023331	1.32	cps
Dysprosium	156-1	200	210	213	208	3.34	cps
Dysprosium	156-2	383	313	303	333	13.08	cps
Erbium	164-1	260	313	303	292	9.70	cps
Erbium	164-2	223	260	293	259	13.52	cps
Gadolinium	160-1	170	163	187	173	6.93	cps
Gadolinium	160-2	383	363	420	389	7.39	cps
Holmium	165-1	4918692	4766932	4869262	4851629	1.60	cps
Holmium	165-2	3794090	3775618	3754038	3774582	0.53	cps
Indium	115-1	3863586	3812199	3889670	3855152	1.02	cps
Indium	115-2	1536009	1520725	1517719	1524818	0.64	cps
Iron	56-2	311480769	317275049	311242222	313332680	1.09	cps
Iron	57-2	7771421	7766557	7718209	7752063	0.38	cps
Iron	54-2	17207546	16892546	17094985	17065025	0.94	cps
Krypton	83-1	330	433	393	386	13.51	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:11:59	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9410849	9420040	9557658	9462849	0.87	cps
Lead	207-1	8047681	7916799	7988557	7984346	0.82	cps
Lead	208-1	37287079	36114108	36770591	36723926	1.60	cps
Lithium	6-1	684291	684798	688494	685861	0.33	cps
Magnesium	24-2	71230771	72004429	71268322	71501174	0.61	cps
Manganese	55-2	11517782	11363043	11275350	11385392	1.08	cps
Molybdenum	94-1	9363903	9370906	9085808	9273539	1.75	cps
Molybdenum	95-1	12878721	13134356	13191065	13068047	1.27	cps
Molybdenum	96-1	14075390	14336768	14350505	14254221	1.09	cps
Molybdenum	97-1	7944852	8129159	7984996	8019669	1.21	cps
Molybdenum	98-1	20650898	21252629	21106202	21003243	1.49	cps
Neodymium	150-1	147	153	130	143	8.39	cps
Neodymium	150-2	90	77	70	79	12.91	cps
Nickel	60-2	539526	534612	531852	535330	0.73	cps
Phosphorus	31-2	96187	95570	97062	96273	0.78	cps
Potassium	39-2	37298458	37408634	37502479	37403190	0.27	cps
Rhodium	103-1	3804651	3755262	3754875	3771596	0.76	cps
Rhodium	103-2	2548885	2505900	2541534	2532106	0.91	cps
Scandium	45-1	2525589	2489727	2494898	2503405	0.77	cps
Scandium	45-2	264256	267806	268721	266927	0.88	cps
Selenium	82-1	56062	56658	56681	56467	0.62	cps
Selenium	77-2	6808	6652	6962	6807	2.28	cps
Selenium	78-2	23215	23161	23489	23288	0.75	cps
Silicon	28-1	26201048	26438901	26148291	26262747	0.59	cps
Silver	107-1	3383272	3370467	3336399	3363379	0.72	cps
Silver	109-1	3237936	3240690	3186192	3221606	0.95	cps
Sodium	23-2	111953325	110839802	111998908	111597345	0.59	cps
Strontium	86-1	816878	825955	829552	824129	0.79	cps
Strontium	88-1	7259700	7338576	7384925	7327734	0.86	cps
Sulfur	34-1	415038	414451	413989	414492	0.13	cps
Terbium	159-1	4801767	4859300	4964094	4875054	1.69	cps
Terbium	159-2	3675316	3581919	3624919	3627385	1.29	cps
Thallium	203-1	2311014	2316191	2331794	2319666	0.47	cps
Thallium	205-1	5548842	5762751	5563553	5625048	2.12	cps
Tin	118-1	2048343	2068351	2041351	2052682	0.68	cps
Titanium	47-1	3533612	3530368	3497102	3520361	0.57	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:11:59	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7114729	7073509	7111522	7099920	0.32	cps
Vanadium	51-2	1152042	1167109	1157634	1158928	0.66	cps
Yttrium	89-1	7084050	7109807	7106694	7100184	0.20	cps
Yttrium	89-2	2155336	2129402	2131193	2138644	0.68	cps
Zinc	66-2	3072634	2958538	2948404	2993192	2.30	cps
Zirconium	90-1	4481977	4554537	4587499	4541338	1.19	cps
Zirconium	91-1	995765	1002034	999582	999127	0.32	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:18:19	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	503	473	543	507	6.93	cps
Antimony	121-1	217	240	270	242	11.04	cps
Arsenic	75-2	8	8	15	10	38.47	cps
Barium	135-1	33	47	40	40	16.68	cps
Barium	137-1	27	50	67	48	42.05	cps
Beryllium	9-1	10	23	23	19	40.75	cps
Bismuth	209-1	2951433	2979779	2976656	2969289	0.52	cps
Bismuth	209-2	2740774	2719904	2712074	2724251	0.54	cps
Bromine	81-1	8726	8519	8876	8707	2.06	cps
Bromine	81-2	247	257	240	248	3.39	cps
Cadmium	108-1	10	17	0	9	94.38	cps
Cadmium	106-1	1947	1630	1620	1732	10.73	cps
Cadmium	111-1	1386	1159	1164	1236	10.46	cps
Calcium	43-1	230	177	260	222	18.99	cps
Calcium	44-1	19149	18075	18301	18508	3.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1547	1463	1567	1526	3.59	cps
Cobalt	59-2	67	73	57	66	12.79	cps
Copper	63-2	1410	1340	1250	1333	6.02	cps
Dysprosium	156-1	0	3	7	3	100.05	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	37	33	33	34	5.60	cps
Erbium	164-2	13	3	17	11	62.48	cps
Gadolinium	160-1	20	17	30	22	31.22	cps
Gadolinium	160-2	230	223	327	260	22.24	cps
Holmium	165-1	4717406	4695998	4688621	4700675	0.32	cps
Holmium	165-2	3786522	3716656	3635733	3712970	2.03	cps
Indium	115-1	3853132	3866265	3940938	3886778	1.22	cps
Indium	115-2	1545114	1539590	1525512	1536739	0.66	cps
Iron	56-2	26156	26306	28250	26904	4.34	cps
Iron	57-2	1687	1763	1637	1696	3.76	cps
Iron	54-2	2457	2457	2297	2404	3.84	cps
Krypton	83-1	440	410	310	387	17.60	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:18:19	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	300	337	353	330	8.27	cps
Lead	207-1	337	310	303	317	5.57	cps
Lead	208-1	1380	1427	1370	1392	2.17	cps
Lithium	6-1	664581	667911	667122	666538	0.26	cps
Magnesium	24-2	443	377	407	409	8.17	cps
Manganese	55-2	607	690	720	672	8.74	cps
Molybdenum	94-1	260	257	270	262	2.65	cps
Molybdenum	95-1	210	280	273	254	15.19	cps
Molybdenum	96-1	270	263	343	292	15.19	cps
Molybdenum	97-1	163	140	163	156	8.66	cps
Molybdenum	98-1	427	410	327	388	13.82	cps
Neodymium	150-1	3	7	3	4	43.40	cps
Neodymium	150-2	3	10	0	4	114.60	cps
Nickel	60-2	440	397	407	414	5.47	cps
Phosphorus	31-2	670	617	597	628	6.04	cps
Potassium	39-2	60322	60309	60061	60231	0.24	cps
Rhodium	103-1	3920957	3914886	3926378	3920740	0.15	cps
Rhodium	103-2	2623241	2626030	2633697	2627656	0.21	cps
Scandium	45-1	2348438	2382856	2421984	2384426	1.54	cps
Scandium	45-2	254804	254807	260719	256777	1.33	cps
Selenium	82-1	182	238	373	264	37.04	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	357	397	420	391	8.19	cps
Silicon	28-1	655371	655164	655900	655478	0.06	cps
Silver	107-1	167	177	130	158	15.57	cps
Silver	109-1	107	103	93	101	6.87	cps
Sodium	23-2	37021	36603	35969	36531	1.45	cps
Strontium	86-1	580	610	640	610	4.92	cps
Strontium	88-1	133	117	137	129	8.31	cps
Sulfur	34-1	173131	172310	170742	172061	0.71	cps
Terbium	159-1	4647439	4604252	4799213	4683635	2.19	cps
Terbium	159-2	3535089	3637800	3560157	3577682	1.50	cps
Thallium	203-1	370	297	267	311	17.09	cps
Thallium	205-1	727	683	697	702	3.16	cps
Tin	118-1	1257	1237	1287	1260	2.00	cps
Titanium	47-1	97	83	43	74	37.29	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:18:19	DataFile Name :	047CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	37	43	23	34	29.57	cps
Vanadium	51-2	20	3	13	12	68.66	cps
Yttrium	89-1	6893170	6682597	6947423	6841064	2.04	cps
Yttrium	89-2	2112216	2090976	2137570	2113587	1.10	cps
Zinc	66-2	1600	1473	1447	1507	5.44	cps
Zirconium	90-1	367	387	363	372	3.39	cps
Zirconium	91-1	107	87	73	89	18.88	cps

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-01	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-085011-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:21:38	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11448734	11308346	11186778	11314619	1.16	cps
Antimony	121-1	8616	8920	9010	8848	2.33	cps
Arsenic	75-2	121500	119893	121469	120954	0.76	cps
Barium	135-1	2302201	2304372	2374835	2327136	1.78	cps
Barium	137-1	3974070	4115850	4167127	4085682	2.45	cps
Beryllium	9-1	4314	4324	4724	4454	5.25	cps
Bismuth	209-1	3344863	3337683	3252354	3311633	1.55	cps
Bismuth	209-2	3025357	2959695	3026606	3003886	1.27	cps
Bromine	81-1	556870	766043	845584	722832	20.63	cps
Bromine	81-2	191117	192018	192878	192005	0.46	cps
Cadmium	108-1	3160	3084	2977	3074	3.00	cps
Cadmium	106-1	6648	7168	6848	6888	3.81	cps
Cadmium	111-1	42865	45014	44236	44038	2.47	cps
Calcium	43-1	420496	437242	436600	431446	2.20	cps
Calcium	44-1	6473493	6747016	6908410	6709640	3.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2804459	2768420	2838484	2803787	1.25	cps
Cobalt	59-2	251718	247440	250554	249904	0.89	cps
Copper	63-2	6562401	6569458	6765373	6632411	1.74	cps
Dysprosium	156-1	89751	93022	92331	91702	1.88	cps
Dysprosium	156-2	92583	93002	91117	92234	1.07	cps
Erbium	164-1	88358	91098	92095	90517	2.14	cps
Erbium	164-2	71706	71019	70916	71214	0.60	cps
Gadolinium	160-1	95614	98225	98352	97397	1.59	cps
Gadolinium	160-2	81596	80295	81455	81116	0.88	cps
Holmium	165-1	5158696	5070510	4926546	5051917	2.32	cps
Holmium	165-2	4025114	4044692	4046446	4038751	0.29	cps
Indium	115-1	4146384	3984224	3988265	4039624	2.29	cps
Indium	115-2	1588060	1598245	1591790	1592698	0.32	cps
Iron	56-2	465993473	474325340	480623740	473647517	1.55	cps
Iron	57-2	11515506	11563275	11644328	11574370	0.56	cps
Iron	54-2	25959370	25689891	26142216	25930493	0.88	cps
Krypton	83-1	483	510	517	503	3.50	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-01	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-085011-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:21:38	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11897162	12611734	12074155	12194350	3.05	cps
Lead	207-1	9877121	10550437	10305843	10244467	3.33	cps
Lead	208-1	46104139	48691369	46979218	47258242	2.78	cps
Lithium	6-1	749984	722679	712177	728280	2.68	cps
Magnesium	24-2	10603708	10364087	10476324	10481373	1.14	cps
Manganese	55-2	4206091	4160326	4252368	4206262	1.09	cps
Molybdenum	94-1	182208	190950	192398	188519	2.92	cps
Molybdenum	95-1	24464	25950	25896	25437	3.31	cps
Molybdenum	96-1	56174	58497	59092	57921	2.66	cps
Molybdenum	97-1	15335	15955	16152	15814	2.70	cps
Molybdenum	98-1	39209	40854	40543	40202	2.17	cps
Neodymium	150-1	142745	145681	146817	145081	1.45	cps
Neodymium	150-2	98300	96387	97347	97345	0.98	cps
Nickel	60-2	316787	317500	315505	316597	0.32	cps
Phosphorus	31-2	71255	71409	72142	71602	0.66	cps
Potassium	39-2	4814420	4788196	4700222	4767613	1.25	cps
Rhodium	103-1	4117040	3931659	3958678	4002459	2.50	cps
Rhodium	103-2	2803200	2748530	2730686	2760805	1.37	cps
Scandium	45-1	2874468	2794139	2754662	2807756	2.17	cps
Scandium	45-2	301071	298902	299669	299880	0.37	cps
Selenium	82-1	2843	2947	2986	2925	2.53	cps
Selenium	77-2	790	873	727	797	9.23	cps
Selenium	78-2	1583	1720	1683	1662	4.26	cps
Silicon	28-1	6558064	6712382	6906562	6725669	2.60	cps
Silver	107-1	212616	220031	222784	218477	2.41	cps
Silver	109-1	199982	210019	211043	207014	2.95	cps
Sodium	23-2	11493749	11597094	11700354	11597066	0.89	cps
Strontium	86-1	493100	514340	517321	508253	2.60	cps
Strontium	88-1	4437977	4577226	4541479	4518894	1.60	cps
Sulfur	34-1	2303134	2433603	2409763	2382167	2.92	cps
Terbium	159-1	5195051	4969540	4950124	5038238	2.70	cps
Terbium	159-2	3879197	3789612	3751025	3806611	1.73	cps
Thallium	203-1	12389	13056	12339	12595	3.18	cps
Thallium	205-1	29065	30661	30254	29993	2.77	cps
Tin	118-1	2040106	2155641	2134964	2110237	2.92	cps
Titanium	47-1	970798	998210	1030803	999937	3.00	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-01	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-085011-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:21:38	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	117540	122889	120056	120162	2.23	cps
Vanadium	51-2	561911	554811	567100	561274	1.10	cps
Yttrium	89-1	8426683	8648407	8590893	8555328	1.34	cps
Yttrium	89-2	2717935	2588823	2638772	2648510	2.46	cps
Zinc	66-2	2335357	2285517	2291745	2304206	1.18	cps
Zirconium	90-1	463155	483684	488553	478464	2.82	cps
Zirconium	91-1	102186	108696	108229	106371	3.41	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:24:43	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14246879	14112524	14174268	14177890	0.47	cps
Antimony	121-1	18936	19527	19470	19311	1.69	cps
Arsenic	75-2	134993	134724	136121	135279	0.55	cps
Barium	135-1	2354895	2390408	2377814	2374372	0.76	cps
Barium	137-1	4074099	4065900	4201268	4113756	1.85	cps
Beryllium	9-1	6501	6575	6862	6646	2.86	cps
Bismuth	209-1	3140968	3209564	3129917	3160150	1.37	cps
Bismuth	209-2	2861920	2850856	2889496	2867424	0.69	cps
Bromine	81-1	799855	979017	1049799	942890	13.66	cps
Bromine	81-2	229501	231896	233815	231737	0.93	cps
Cadmium	108-1	6582	6972	6915	6823	3.09	cps
Cadmium	106-1	11601	12105	12005	11904	2.24	cps
Cadmium	111-1	94129	93638	93671	93813	0.29	cps
Calcium	43-1	859108	866458	850864	858810	0.91	cps
Calcium	44-1	13079405	13419360	13000018	13166261	1.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6659310	6781427	6603352	6681363	1.36	cps
Cobalt	59-2	393071	391155	393172	392466	0.29	cps
Copper	63-2	8995210	8988484	8808825	8930840	1.18	cps
Dysprosium	156-1	113266	113052	114381	113567	0.63	cps
Dysprosium	156-2	112121	111193	113837	112384	1.19	cps
Erbium	164-1	110275	110904	112523	111234	1.04	cps
Erbium	164-2	86244	87099	87244	86862	0.62	cps
Gadolinium	160-1	118923	118913	120252	119363	0.64	cps
Gadolinium	160-2	98520	96281	98537	97779	1.33	cps
Holmium	165-1	4910934	4765769	4914994	4863899	1.75	cps
Holmium	165-2	3909078	3874726	3929437	3904414	0.71	cps
Indium	115-1	4073717	4017377	3973469	4021521	1.25	cps
Indium	115-2	1594938	1601645	1615648	1604077	0.66	cps
Iron	56-2	637179137	629036257	624864844	630360079	0.99	cps
Iron	57-2	15477071	15387677	15856603	15573784	1.60	cps
Iron	54-2	34807130	35117215	34907749	34944032	0.45	cps
Krypton	83-1	600	610	657	622	4.86	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:24:43	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14023976	14192947	14583572	14266832	2.01	cps
Lead	207-1	11734600	11914447	11924815	11857954	0.90	cps
Lead	208-1	54101461	55288512	55484480	54958151	1.36	cps
Lithium	6-1	696770	696695	691991	695152	0.39	cps
Magnesium	24-2	15564654	15398608	15645309	15536190	0.81	cps
Manganese	55-2	5417275	5325450	5379976	5374233	0.86	cps
Molybdenum	94-1	283158	286055	284684	284632	0.51	cps
Molybdenum	95-1	64190	63417	63149	63585	0.85	cps
Molybdenum	96-1	110974	113312	111992	112093	1.05	cps
Molybdenum	97-1	39156	40199	39881	39745	1.34	cps
Molybdenum	98-1	102299	101426	101779	101835	0.43	cps
Neodymium	150-1	181173	181784	181304	181420	0.18	cps
Neodymium	150-2	118908	120883	120180	119990	0.83	cps
Nickel	60-2	670688	672946	668200	670611	0.35	cps
Phosphorus	31-2	123732	120893	122996	122540	1.20	cps
Potassium	39-2	5560049	5383278	5505764	5483030	1.65	cps
Rhodium	103-1	3982154	3968258	3971574	3973995	0.18	cps
Rhodium	103-2	2653365	2641119	2585800	2626761	1.37	cps
Scandium	45-1	2803290	2857735	2819420	2826815	0.99	cps
Scandium	45-2	304467	301985	304121	303524	0.44	cps
Selenium	82-1	2509	2685	2629	2608	3.46	cps
Selenium	77-2	800	803	810	804	0.63	cps
Selenium	78-2	1490	1573	1610	1558	3.95	cps
Silicon	28-1	27558566	27839005	27172682	27523418	1.22	cps
Silver	107-1	353245	360035	355004	356095	0.99	cps
Silver	109-1	335080	335393	336182	335552	0.17	cps
Sodium	23-2	18204048	18224328	18557698	18328691	1.08	cps
Strontium	86-1	948315	962818	965861	958998	0.98	cps
Strontium	88-1	8437221	8724426	8510092	8557246	1.74	cps
Sulfur	34-1	3111372	3110996	3163350	3128572	0.96	cps
Terbium	159-1	4873458	4930427	4945636	4916507	0.77	cps
Terbium	159-2	3702824	3687577	3755362	3715255	0.96	cps
Thallium	203-1	11582	11201	11478	11420	1.72	cps
Thallium	205-1	27134	27034	27575	27247	1.06	cps
Tin	118-1	1040628	1053426	1060540	1051531	0.96	cps
Titanium	47-1	1684367	1725804	1651232	1687134	2.21	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:24:43	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	166509	166928	167941	167126	0.44	cps
Vanadium	51-2	1104354	1100561	1098293	1101069	0.28	cps
Yttrium	89-1	8657112	8769367	8663094	8696525	0.73	cps
Yttrium	89-2	2632577	2681777	2704388	2672914	1.37	cps
Zinc	66-2	3006984	2921222	3001461	2976556	1.61	cps
Zirconium	90-1	665648	677700	675555	672967	0.96	cps
Zirconium	91-1	151069	149971	149813	150285	0.46	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:27:45	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8812507	8884996	8811690	8836398	0.48	cps
Antimony	121-1	21767	21813	20862	21481	2.50	cps
Arsenic	75-2	76550	76200	76486	76412	0.24	cps
Barium	135-1	1592189	1603313	1595255	1596919	0.36	cps
Barium	137-1	2765648	2823668	2795680	2794999	1.04	cps
Beryllium	9-1	3934	3844	3931	3903	1.31	cps
Bismuth	209-1	3107107	3185963	3094432	3129167	1.58	cps
Bismuth	209-2	2900069	2865833	2807601	2857834	1.64	cps
Bromine	81-1	386767	472699	505734	455067	13.50	cps
Bromine	81-2	109539	110520	109808	109955	0.46	cps
Cadmium	108-1	4674	5034	4591	4766	4.94	cps
Cadmium	106-1	8599	8686	8946	8744	2.06	cps
Cadmium	111-1	66166	65506	66440	66037	0.73	cps
Calcium	43-1	629931	634990	634954	633292	0.46	cps
Calcium	44-1	9909104	9925192	9875361	9903219	0.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3635455	3605335	3656177	3632322	0.70	cps
Cobalt	59-2	286715	284178	287407	286100	0.59	cps
Copper	63-2	6313482	6250546	6252149	6272059	0.57	cps
Dysprosium	156-1	71806	73086	72613	72502	0.89	cps
Dysprosium	156-2	72121	73410	72181	72571	1.00	cps
Erbium	164-1	68979	70906	69144	69676	1.53	cps
Erbium	164-2	55015	55379	54871	55088	0.48	cps
Gadolinium	160-1	75502	75975	75643	75707	0.32	cps
Gadolinium	160-2	61692	61230	61833	61585	0.51	cps
Holmium	165-1	4606783	4783021	4763215	4717673	2.05	cps
Holmium	165-2	3816184	3853166	3857245	3842198	0.59	cps
Indium	115-1	3963075	3889895	3890268	3914413	1.08	cps
Indium	115-2	1597561	1568316	1575222	1580366	0.97	cps
Iron	56-2	362540275	369941368	367550341	366677328	1.03	cps
Iron	57-2	8965564	9138151	9017837	9040518	0.98	cps
Iron	54-2	20086408	20310374	20336175	20244319	0.68	cps
Krypton	83-1	480	540	513	511	5.88	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:27:45	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16462453	16454432	16837850	16584912	1.32	cps
Lead	207-1	13433453	13630992	13617707	13560717	0.81	cps
Lead	208-1	63730049	63260248	64739877	63910058	1.18	cps
Lithium	6-1	668366	673051	671418	670945	0.35	cps
Magnesium	24-2	13185161	13197121	12790426	13057569	1.77	cps
Manganese	55-2	2779778	2818424	2748607	2782269	1.26	cps
Molybdenum	94-1	171335	171746	171896	171659	0.17	cps
Molybdenum	95-1	48774	48677	48891	48781	0.22	cps
Molybdenum	96-1	77732	76466	77461	77219	0.86	cps
Molybdenum	97-1	30335	30335	30676	30449	0.65	cps
Molybdenum	98-1	77226	76777	78718	77574	1.31	cps
Neodymium	150-1	115488	117694	118470	117217	1.32	cps
Neodymium	150-2	76925	76232	77281	76812	0.69	cps
Nickel	60-2	596402	594244	598516	596387	0.36	cps
Phosphorus	31-2	76584	77160	78145	77296	1.02	cps
Potassium	39-2	3325283	3435796	3354085	3371722	1.70	cps
Rhodium	103-1	4058702	3849864	3911324	3939964	2.72	cps
Rhodium	103-2	2686859	2667910	2645593	2666787	0.77	cps
Scandium	45-1	2695621	2747949	2707295	2716955	1.01	cps
Scandium	45-2	289154	287570	282288	286337	1.26	cps
Selenium	82-1	1751	1740	1708	1733	1.30	cps
Selenium	77-2	517	533	503	518	2.90	cps
Selenium	78-2	1263	1160	1207	1210	4.28	cps
Silicon	28-1	11305496	11326560	11515048	11382368	1.01	cps
Silver	107-1	221614	221871	225067	222851	0.86	cps
Silver	109-1	209611	211278	210275	210388	0.40	cps
Sodium	23-2	15349691	15697371	15378617	15475226	1.25	cps
Strontium	86-1	546560	551859	545309	547909	0.63	cps
Strontium	88-1	4962766	4910160	4870923	4914616	0.94	cps
Sulfur	34-1	2134186	2114859	2086251	2111765	1.14	cps
Terbium	159-1	4812733	4792022	4857253	4820669	0.69	cps
Terbium	159-2	3687803	3641217	3735215	3688078	1.27	cps
Thallium	203-1	7075	7412	6922	7136	3.51	cps
Thallium	205-1	17154	17475	17248	17292	0.95	cps
Tin	118-1	681706	689813	679363	683627	0.80	cps
Titanium	47-1	1116941	1140629	1142645	1133405	1.26	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:27:45	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	104735	107088	107379	106401	1.36	cps
Vanadium	51-2	901953	902866	897711	900843	0.31	cps
Yttrium	89-1	8195928	8408588	8287546	8297354	1.29	cps
Yttrium	89-2	2512888	2492315	2483055	2496086	0.61	cps
Zinc	66-2	2368045	2399253	2361473	2376257	0.85	cps
Zirconium	90-1	394923	400465	395107	396832	0.79	cps
Zirconium	91-1	88495	87979	88076	88183	0.31	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:30:53	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14429973	14705029	14691779	14608927	1.06	cps
Antimony	121-1	8423	8776	8703	8634	2.16	cps
Arsenic	75-2	172004	171421	172484	171970	0.31	cps
Barium	135-1	2682938	2746615	2668124	2699226	1.55	cps
Barium	137-1	4528367	4746280	4616863	4630503	2.37	cps
Beryllium	9-1	5534	5464	5614	5538	1.36	cps
Bismuth	209-1	3160635	3108647	3135494	3134925	0.83	cps
Bismuth	209-2	2850266	2895220	2860318	2868601	0.82	cps
Bromine	81-1	546481	710049	784183	680237	17.88	cps
Bromine	81-2	175078	175641	178335	176351	0.99	cps
Cadmium	108-1	2114	2347	2190	2217	5.37	cps
Cadmium	106-1	5588	5601	5458	5549	1.43	cps
Cadmium	111-1	27621	27383	27583	27529	0.46	cps
Calcium	43-1	632897	636739	647920	639185	1.22	cps
Calcium	44-1	9872686	10047899	10004673	9975086	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3116911	2986953	2986257	3030040	2.48	cps
Cobalt	59-2	333201	334930	332091	333407	0.43	cps
Copper	63-2	7239132	7338710	7341289	7306377	0.80	cps
Dysprosium	156-1	119302	120489	120031	119941	0.50	cps
Dysprosium	156-2	120975	118506	120980	120154	1.19	cps
Erbium	164-1	114227	117335	118522	116695	1.90	cps
Erbium	164-2	91588	92024	92584	92065	0.54	cps
Gadolinium	160-1	124196	128397	128202	126931	1.87	cps
Gadolinium	160-2	105709	104698	104896	105101	0.51	cps
Holmium	165-1	4802275	4854145	4752997	4803139	1.05	cps
Holmium	165-2	3825525	3832616	3859667	3839269	0.47	cps
Indium	115-1	3839185	3806605	3785062	3810284	0.72	cps
Indium	115-2	1550395	1544317	1539675	1544796	0.35	cps
Iron	56-2	578798978	567077245	573943738	573273320	1.03	cps
Iron	57-2	13991313	14100137	13850487	13980646	0.90	cps
Iron	54-2	32069124	30660795	31028770	31252896	2.34	cps
Krypton	83-1	603	700	597	633	9.13	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:30:53	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14028196	14268503	14238360	14178353	0.92	cps
Lead	207-1	11633354	11703623	11752398	11696458	0.51	cps
Lead	208-1	54311690	55359354	54569646	54746897	1.00	cps
Lithium	6-1	696075	685503	693432	691670	0.80	cps
Magnesium	24-2	14079585	14031059	14170077	14093573	0.50	cps
Manganese	55-2	6358540	6270522	6387126	6338729	0.96	cps
Molybdenum	94-1	232124	241247	237607	236993	1.94	cps
Molybdenum	95-1	24985	25512	25118	25205	1.09	cps
Molybdenum	96-1	65439	66735	65931	66035	0.99	cps
Molybdenum	97-1	15682	16072	15719	15824	1.36	cps
Molybdenum	98-1	39721	41502	40740	40654	2.20	cps
Neodymium	150-1	183317	191226	187987	187510	2.12	cps
Neodymium	150-2	125318	125426	126650	125798	0.59	cps
Nickel	60-2	376182	375662	376767	376204	0.15	cps
Phosphorus	31-2	117678	119496	119402	118859	0.86	cps
Potassium	39-2	5866673	5864447	5921782	5884301	0.55	cps
Rhodium	103-1	3882217	3933273	3797598	3871029	1.77	cps
Rhodium	103-2	2619942	2612573	2610047	2614187	0.20	cps
Scandium	45-1	2801483	2814390	2833729	2816534	0.58	cps
Scandium	45-2	301454	298260	299518	299744	0.54	cps
Selenium	82-1	4109	4111	4334	4184	3.09	cps
Selenium	77-2	1017	1097	1010	1041	4.63	cps
Selenium	78-2	2354	2360	2240	2318	2.91	cps
Silicon	28-1	10321887	10312102	10457181	10363723	0.78	cps
Silver	107-1	183692	189616	190964	188091	2.06	cps
Silver	109-1	175520	180937	178419	178292	1.52	cps
Sodium	23-2	14650620	14772586	14975541	14799582	1.11	cps
Strontium	86-1	600860	612421	620994	611425	1.65	cps
Strontium	88-1	5505136	5416144	5504297	5475192	0.93	cps
Sulfur	34-1	2276890	2235738	2242399	2251676	0.98	cps
Terbium	159-1	4869064	4842438	4781319	4830940	0.93	cps
Terbium	159-2	3733750	3635509	3734313	3701191	1.54	cps
Thallium	203-1	14304	14361	14421	14362	0.41	cps
Thallium	205-1	33508	34688	34260	34152	1.75	cps
Tin	118-1	2007987	2056365	2061245	2041866	1.44	cps
Titanium	47-1	1146883	1170244	1168166	1161764	1.11	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:30:53	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	130830	134115	134977	133307	1.64	cps
Vanadium	51-2	723658	721151	724691	723166	0.25	cps
Yttrium	89-1	8794081	8765569	9036916	8865522	1.68	cps
Yttrium	89-2	2685738	2641315	2640141	2655732	0.98	cps
Zinc	66-2	2320974	2273731	2272319	2289008	1.21	cps
Zirconium	90-1	597493	608811	609073	605126	1.09	cps
Zirconium	91-1	131968	136774	135022	134588	1.81	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:34:00	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	19631845	18999111	19653797	19428251	1.91	cps
Antimony	121-1	4441	4294	4507	4414	2.47	cps
Arsenic	75-2	204055	203861	205141	204352	0.34	cps
Barium	135-1	925413	930733	948032	934726	1.27	cps
Barium	137-1	1647518	1635133	1704472	1662374	2.22	cps
Beryllium	9-1	6458	6438	6525	6474	0.70	cps
Bismuth	209-1	2911016	2918363	3034702	2954694	2.35	cps
Bismuth	209-2	2711658	2685610	2733510	2710259	0.88	cps
Bromine	81-1	939886	1203296	1320335	1154506	16.88	cps
Bromine	81-2	292200	293218	294570	293329	0.41	cps
Cadmium	108-1	1143	1140	997	1093	7.66	cps
Cadmium	106-1	4264	4034	4041	4113	3.18	cps
Cadmium	111-1	10043	9791	9719	9851	1.73	cps
Calcium	43-1	530222	541917	545303	539147	1.47	cps
Calcium	44-1	8333139	8493385	8488765	8438430	1.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1646978	1642318	1672864	1654053	0.99	cps
Cobalt	59-2	429005	422220	427176	426134	0.82	cps
Copper	63-2	4902852	4824514	4900605	4875990	0.91	cps
Dysprosium	156-1	149814	148174	150872	149620	0.91	cps
Dysprosium	156-2	146032	147165	148546	147248	0.86	cps
Erbium	164-1	144183	147599	149899	147227	1.95	cps
Erbium	164-2	115322	115886	114377	115195	0.66	cps
Gadolinium	160-1	155942	160585	160270	158932	1.63	cps
Gadolinium	160-2	131618	131208	130851	131226	0.29	cps
Holmium	165-1	4633186	4698400	4775548	4702378	1.52	cps
Holmium	165-2	3790201	3812772	3690387	3764453	1.73	cps
Indium	115-1	3744771	3836780	3757041	3779531	1.32	cps
Indium	115-2	1535960	1507481	1522349	1521930	0.94	cps
Iron	56-2	720524149	720749909	720242656	720505571	0.04	cps
Iron	57-2	17241657	17791909	17621221	17551596	1.60	cps
Iron	54-2	39530111	38955307	39079532	39188317	0.77	cps
Krypton	83-1	607	620	640	622	2.70	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:34:00	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9807323	10014542	10122496	9981453	1.60	cps
Lead	207-1	7963980	8127141	8081031	8057384	1.04	cps
Lead	208-1	37774296	37797668	38192732	37921565	0.62	cps
Lithium	6-1	685725	680633	695914	687424	1.13	cps
Magnesium	24-2	16195537	16037052	15834296	16022295	1.13	cps
Manganese	55-2	14112145	13623768	13724137	13820017	1.87	cps
Molybdenum	94-1	278486	285652	283222	282454	1.29	cps
Molybdenum	95-1	18145	18215	18492	18284	1.00	cps
Molybdenum	96-1	68172	67428	68718	68106	0.95	cps
Molybdenum	97-1	11528	11455	11558	11514	0.46	cps
Molybdenum	98-1	29383	29490	28939	29270	1.00	cps
Neodymium	150-1	231397	232352	236218	233322	1.09	cps
Neodymium	150-2	154281	152840	154235	153786	0.53	cps
Nickel	60-2	366323	366736	363658	365572	0.46	cps
Phosphorus	31-2	104289	103773	105423	104495	0.81	cps
Potassium	39-2	6828456	6874522	6820426	6841134	0.43	cps
Rhodium	103-1	3756385	3787000	3806809	3783398	0.67	cps
Rhodium	103-2	2577764	2575781	2532270	2561938	1.00	cps
Scandium	45-1	2862373	2840105	2776622	2826367	1.57	cps
Scandium	45-2	304806	299747	301362	301971	0.86	cps
Selenium	82-1	1824	1769	1811	1801	1.60	cps
Selenium	77-2	917	890	780	862	8.40	cps
Selenium	78-2	1347	1390	1300	1346	3.35	cps
Silicon	28-1	31049240	31179960	32130880	31453360	1.88	cps
Silver	107-1	55181	55395	55874	55483	0.64	cps
Silver	109-1	51541	53411	53953	52969	2.39	cps
Sodium	23-2	11346875	11071576	11427815	11282089	1.66	cps
Strontium	86-1	545775	545079	548645	546500	0.35	cps
Strontium	88-1	4934635	4916920	4959176	4936910	0.43	cps
Sulfur	34-1	1833640	1820035	1790460	1814712	1.22	cps
Terbium	159-1	4855206	4562999	4877420	4765208	3.68	cps
Terbium	159-2	3556570	3601015	3714278	3623955	2.24	cps
Thallium	203-1	6808	7202	7402	7138	4.23	cps
Thallium	205-1	16650	16574	16710	16645	0.41	cps
Tin	118-1	755458	759008	763689	759385	0.54	cps
Titanium	47-1	1477082	1471315	1486904	1478434	0.53	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:34:00	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	97363	99896	98252	98504	1.30	cps
Vanadium	51-2	764406	753291	759049	758915	0.73	cps
Yttrium	89-1	9149188	9133293	9027542	9103341	0.73	cps
Yttrium	89-2	2814540	2766352	2787348	2789413	0.87	cps
Zinc	66-2	1409998	1407245	1403707	1406983	0.22	cps
Zirconium	90-1	724702	741443	740461	735535	1.28	cps
Zirconium	91-1	162760	165573	166227	164853	1.12	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUP	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:37:05	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22012665	22279348	22043511	22111841	0.66	cps
Antimony	121-1	3550	3637	3444	3544	2.73	cps
Arsenic	75-2	214968	215470	214557	214998	0.21	cps
Barium	135-1	1037376	1043927	1056404	1045902	0.92	cps
Barium	137-1	1865918	1911877	1887919	1888572	1.22	cps
Beryllium	9-1	7152	7745	7619	7505	4.17	cps
Bismuth	209-1	2934638	2929747	2947999	2937461	0.32	cps
Bismuth	209-2	2719213	2724478	2700877	2714856	0.46	cps
Bromine	81-1	956111	1174015	1296057	1142061	15.08	cps
Bromine	81-2	284928	290514	289882	288441	1.06	cps
Cadmium	108-1	1177	1077	1193	1149	5.49	cps
Cadmium	106-1	4197	4377	4404	4326	2.60	cps
Cadmium	111-1	10977	11483	10893	11118	2.87	cps
Calcium	43-1	604630	603281	606010	604640	0.23	cps
Calcium	44-1	9319399	9404175	9558625	9427400	1.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1955495	1914501	1961741	1943912	1.32	cps
Cobalt	59-2	484636	483829	479281	482582	0.60	cps
Copper	63-2	5256559	5170119	5111836	5179505	1.41	cps
Dysprosium	156-1	168711	172166	174602	171826	1.72	cps
Dysprosium	156-2	168481	168583	167831	168298	0.24	cps
Erbium	164-1	168211	169777	170937	169642	0.81	cps
Erbium	164-2	131352	130675	132017	131348	0.51	cps
Gadolinium	160-1	182230	184178	185163	183857	0.81	cps
Gadolinium	160-2	150365	147622	150648	149545	1.12	cps
Holmium	165-1	4831651	4858282	4897094	4862342	0.68	cps
Holmium	165-2	3724300	3801124	3829547	3784990	1.44	cps
Indium	115-1	3792561	3763146	3745807	3767171	0.63	cps
Indium	115-2	1532858	1525541	1528893	1529097	0.24	cps
Iron	56-2	840670601	820889081	825471588	829010423	1.25	cps
Iron	57-2	20278439	19929729	20240170	20149446	0.95	cps
Iron	54-2	44855714	44839874	45051336	44915642	0.26	cps
Krypton	83-1	730	620	707	686	8.45	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUP	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:37:05	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10794244	11317534	11331635	11147805	2.75	cps
Lead	207-1	9036950	8982864	9252056	9090623	1.57	cps
Lead	208-1	41864682	42785276	43459109	42703022	1.87	cps
Lithium	6-1	697507	696172	705856	699845	0.75	cps
Magnesium	24-2	18520036	18436766	18002782	18319862	1.52	cps
Manganese	55-2	15264919	15200472	15268710	15244700	0.25	cps
Molybdenum	94-1	312217	312504	314837	313186	0.46	cps
Molybdenum	95-1	20354	20017	20671	20348	1.61	cps
Molybdenum	96-1	75028	75092	75490	75203	0.33	cps
Molybdenum	97-1	13036	12822	12632	12830	1.57	cps
Molybdenum	98-1	32316	32720	32339	32458	0.70	cps
Neodymium	150-1	259803	262049	269409	263754	1.91	cps
Neodymium	150-2	174906	175263	176094	175421	0.35	cps
Nickel	60-2	404071	398094	397107	399757	0.94	cps
Phosphorus	31-2	117491	117168	118350	117670	0.52	cps
Potassium	39-2	7485328	7779495	7898336	7721053	2.75	cps
Rhodium	103-1	3867602	3815599	3774824	3819342	1.22	cps
Rhodium	103-2	2602380	2563360	2548534	2571424	1.08	cps
Scandium	45-1	2829413	2909853	2851723	2863663	1.45	cps
Scandium	45-2	308305	308073	310440	308939	0.42	cps
Selenium	82-1	1849	2046	1959	1951	5.05	cps
Selenium	77-2	973	947	960	960	1.39	cps
Selenium	78-2	1660	1450	1517	1542	6.96	cps
Silicon	28-1	19870719	19808739	20272465	19983974	1.26	cps
Silver	107-1	62588	63542	63421	63183	0.82	cps
Silver	109-1	58953	59297	60138	59463	1.02	cps
Sodium	23-2	12567387	12713479	12693052	12657973	0.62	cps
Strontium	86-1	621500	623138	622661	622433	0.14	cps
Strontium	88-1	5568813	5678874	5699038	5648908	1.24	cps
Sulfur	34-1	2107673	2110601	2080932	2099735	0.78	cps
Terbium	159-1	4771912	4806724	4835077	4804571	0.66	cps
Terbium	159-2	3699689	3680367	3660482	3680179	0.53	cps
Thallium	203-1	8319	8042	7966	8109	2.29	cps
Thallium	205-1	19174	19114	20008	19432	2.57	cps
Tin	118-1	879359	881322	895064	885248	0.97	cps
Titanium	47-1	1363768	1390772	1422091	1392210	2.10	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUP	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUP	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:37:05	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	113632	115833	115618	115028	1.05	cps
Vanadium	51-2	873366	864289	863098	866917	0.65	cps
Yttrium	89-1	9313968	9247032	9327075	9296025	0.46	cps
Yttrium	89-2	2899506	2864620	2821338	2861822	1.37	cps
Zinc	66-2	1522741	1560317	1513244	1532100	1.62	cps
Zirconium	90-1	819175	833528	826816	826506	0.87	cps
Zirconium	91-1	180869	185372	183751	183330	1.24	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 14:40:11	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4120970	4140185	4104765	4121973	0.43	cps
Antimony	121-1	967	930	900	932	3.58	cps
Arsenic	75-2	44223	43370	43563	43719	1.02	cps
Barium	135-1	198475	198715	199111	198767	0.16	cps
Barium	137-1	342809	346263	345931	345001	0.55	cps
Beryllium	9-1	1477	1423	1400	1433	2.74	cps
Bismuth	209-1	2964357	2899278	2956345	2939993	1.21	cps
Bismuth	209-2	2750327	2774677	2706237	2743747	1.26	cps
Bromine	81-1	279488	319315	333557	310787	9.02	cps
Bromine	81-2	68782	69144	68404	68777	0.54	cps
Cadmium	108-1	270	200	173	214	23.28	cps
Cadmium	106-1	2414	2170	2164	2249	6.33	cps
Cadmium	111-1	3211	3183	3237	3210	0.84	cps
Calcium	43-1	113115	113478	113556	113383	0.21	cps
Calcium	44-1	1793336	1800568	1739749	1777884	1.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	351789	351098	352349	351745	0.18	cps
Cobalt	59-2	90048	90005	89394	89816	0.41	cps
Copper	63-2	1031551	1020514	1012164	1021410	0.95	cps
Dysprosium	156-1	31546	31068	30567	31060	1.58	cps
Dysprosium	156-2	30477	30330	30894	30567	0.96	cps
Erbium	164-1	30333	30109	31158	30533	1.81	cps
Erbium	164-2	23870	23613	23563	23682	0.70	cps
Gadolinium	160-1	32929	33036	32852	32939	0.28	cps
Gadolinium	160-2	27400	27577	27096	27358	0.89	cps
Holmium	165-1	4673542	4666680	4781953	4707392	1.37	cps
Holmium	165-2	3785454	3844149	3750436	3793346	1.25	cps
Indium	115-1	3834198	3790087	3867259	3830515	1.01	cps
Indium	115-2	1566228	1550456	1557767	1558150	0.51	cps
Iron	56-2	151810061	151760358	147825604	150465341	1.52	cps
Iron	57-2	3768808	3798632	3718206	3761882	1.08	cps
Iron	54-2	8330274	8375867	8501572	8402571	1.06	cps
Krypton	83-1	417	483	440	447	7.57	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 14:40:11	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2107531	2094683	2120323	2107512	0.61	cps
Lead	207-1	1574415	1691317	1582841	1616191	4.03	cps
Lead	208-1	7991034	8038479	7980103	8003205	0.39	cps
Lithium	6-1	665271	664992	664118	664794	0.09	cps
Magnesium	24-2	3386607	3357497	3328777	3357627	0.86	cps
Manganese	55-2	2895406	3016730	2984043	2965393	2.12	cps
Molybdenum	94-1	58262	57974	58821	58352	0.74	cps
Molybdenum	95-1	3871	3967	4031	3956	2.04	cps
Molybdenum	96-1	14337	14150	14127	14205	0.81	cps
Molybdenum	97-1	2554	2567	2520	2547	0.94	cps
Molybdenum	98-1	6451	6595	6221	6423	2.93	cps
Neodymium	150-1	49002	47410	49440	48617	2.20	cps
Neodymium	150-2	31779	32193	31535	31836	1.05	cps
Nickel	60-2	78517	79315	78233	78689	0.71	cps
Phosphorus	31-2	22453	22630	22160	22414	1.06	cps
Potassium	39-2	1475506	1501550	1504745	1493934	1.07	cps
Rhodium	103-1	3900324	3946853	3903885	3917021	0.66	cps
Rhodium	103-2	2634908	2608854	2638487	2627416	0.62	cps
Scandium	45-1	2550940	2528196	2587405	2555514	1.17	cps
Scandium	45-2	271989	272007	271659	271885	0.07	cps
Selenium	82-1	619	552	579	583	5.76	cps
Selenium	77-2	153	183	160	166	9.52	cps
Selenium	78-2	550	553	600	568	4.92	cps
Silicon	28-1	7793647	8066993	7893464	7918035	1.75	cps
Silver	107-1	11932	12305	12345	12194	1.87	cps
Silver	109-1	11274	11348	11605	11409	1.52	cps
Sodium	23-2	2371902	2367641	2353233	2364259	0.41	cps
Strontium	86-1	114707	114105	114878	114563	0.35	cps
Strontium	88-1	997409	1007290	1009668	1004789	0.65	cps
Sulfur	34-1	476741	478372	474650	476588	0.39	cps
Terbium	159-1	4825313	4690438	4781826	4765859	1.44	cps
Terbium	159-2	3683484	3589712	3642907	3638701	1.29	cps
Thallium	203-1	1680	1623	1670	1658	1.82	cps
Thallium	205-1	4194	4041	3957	4064	2.95	cps
Tin	118-1	157922	157064	158708	157898	0.52	cps
Titanium	47-1	309915	314231	312053	312066	0.69	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015L	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 14:40:11	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20369	20066	20723	20386	1.61	cps
Vanadium	51-2	161137	158500	159143	159593	0.86	cps
Yttrium	89-1	7423230	7425903	7516966	7455366	0.72	cps
Yttrium	89-2	2247997	2276819	2307874	2277563	1.31	cps
Zinc	66-2	304333	307749	304306	305463	0.65	cps
Zirconium	90-1	154252	155784	155855	155297	0.58	cps
Zirconium	91-1	34380	35413	34337	34710	1.75	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MS	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:43:25	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17688501	17576453	17807591	17690848	0.65	cps
Antimony	121-1	2258874	2373308	2320044	2317409	2.47	cps
Arsenic	75-2	165285	167523	166227	166345	0.68	cps
Barium	135-1	3114359	3173245	3182679	3156761	1.17	cps
Barium	137-1	5336396	5478932	5531351	5448893	1.85	cps
Beryllium	9-1	427952	438619	440797	435789	1.58	cps
Bismuth	209-1	3059239	2978842	2989019	3009034	1.45	cps
Bismuth	209-2	2783251	2716639	2707704	2735865	1.51	cps
Bromine	81-1	640999	830968	939879	803949	18.81	cps
Bromine	81-2	212642	217011	218918	216190	1.49	cps
Cadmium	108-1	45120	46123	46825	46023	1.86	cps
Cadmium	106-1	66425	68002	68585	67670	1.65	cps
Cadmium	111-1	654110	659402	669304	660939	1.17	cps
Calcium	43-1	1122769	1148330	1144376	1138492	1.21	cps
Calcium	44-1	17192172	18011256	17939704	17714378	2.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2640188	2614729	2695177	2650031	1.55	cps
Cobalt	59-2	2408138	2373745	2384952	2388945	0.73	cps
Copper	63-2	18099929	17937746	17875856	17971177	0.64	cps
Dysprosium	156-1	127776	129397	130743	129305	1.15	cps
Dysprosium	156-2	127412	126578	128843	127611	0.90	cps
Erbium	164-1	125297	128270	129068	127545	1.56	cps
Erbium	164-2	99884	99048	99062	99331	0.48	cps
Gadolinium	160-1	136274	139690	139578	138514	1.40	cps
Gadolinium	160-2	113560	114039	113314	113638	0.32	cps
Holmium	165-1	5000130	4953330	5018487	4990649	0.67	cps
Holmium	165-2	3933478	3849811	3808768	3864019	1.64	cps
Indium	115-1	3914151	3783115	3888077	3861781	1.80	cps
Indium	115-2	1539060	1530721	1517591	1529124	0.71	cps
Iron	56-2	652327110	635642511	641249444	643073022	1.32	cps
Iron	57-2	15850096	15563798	15860745	15758213	1.07	cps
Iron	54-2	35569455	35261924	36155045	35662141	1.27	cps
Krypton	83-1	553	583	580	572	2.87	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MS	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:43:25	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16725342	17112352	17392077	17076590	1.96	cps
Lead	207-1	14054761	13977441	14093714	14041972	0.42	cps
Lead	208-1	64920917	64971501	66646930	65513116	1.50	cps
Lithium	6-1	709018	706786	711782	709195	0.35	cps
Magnesium	24-2	27196206	27409324	27380212	27328581	0.42	cps
Manganese	55-2	21576981	21675121	22056566	21769556	1.16	cps
Molybdenum	94-1	4224814	4212490	4285425	4240910	0.92	cps
Molybdenum	95-1	4372868	4352365	4362805	4362679	0.24	cps
Molybdenum	96-1	4854308	5020513	5016771	4963864	1.91	cps
Molybdenum	97-1	2630958	2647863	2702958	2660593	1.42	cps
Molybdenum	98-1	6814933	7135561	7146604	7032366	2.68	cps
Neodymium	150-1	199962	197971	202727	200220	1.19	cps
Neodymium	150-2	131635	131232	131437	131435	0.15	cps
Nickel	60-2	803853	793467	802380	799900	0.70	cps
Phosphorus	31-2	95908	94322	95358	95196	0.85	cps
Potassium	39-2	12168072	12226905	12419737	12271571	1.07	cps
Rhodium	103-1	3810090	3799370	3858865	3822775	0.83	cps
Rhodium	103-2	2582273	2592519	2551394	2575395	0.83	cps
Scandium	45-1	2840329	2847210	2895867	2861136	1.06	cps
Scandium	45-2	304907	301410	304287	303535	0.61	cps
Selenium	82-1	57170	57838	57971	57659	0.74	cps
Selenium	77-2	7739	7472	7949	7720	3.10	cps
Selenium	78-2	23712	23763	23575	23683	0.41	cps
Silicon	28-1	9193947	9493770	9331493	9339737	1.61	cps
Silver	107-1	558250	564165	580668	567695	2.05	cps
Silver	109-1	523030	535487	537109	531875	1.45	cps
Sodium	23-2	30829798	30932876	30964644	30909106	0.23	cps
Strontium	86-1	1314824	1340447	1349799	1335023	1.36	cps
Strontium	88-1	11740974	12069663	12019556	11943397	1.48	cps
Sulfur	34-1	1462891	1498781	1490542	1484071	1.27	cps
Terbium	159-1	4905059	4830477	4980562	4905366	1.53	cps
Terbium	159-2	3768488	3641104	3689868	3699820	1.74	cps
Thallium	203-1	2030049	2147331	2183143	2120174	3.78	cps
Thallium	205-1	4996782	5100300	5109101	5068728	1.23	cps
Tin	118-1	2399620	2446310	2490549	2445493	1.86	cps
Titanium	47-1	1089798	1107392	1111468	1102886	1.04	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MS	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:43:25	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6200306	6388648	6466669	6351874	2.16	cps
Vanadium	51-2	1818542	1769547	1773962	1787350	1.52	cps
Yttrium	89-1	9019799	8989542	9003138	9004160	0.17	cps
Yttrium	89-2	2698600	2669534	2673821	2680652	0.59	cps
Zinc	66-2	3890736	3944808	3904740	3913428	0.72	cps
Zirconium	90-1	4669108	4727156	4801388	4732550	1.40	cps
Zirconium	91-1	1019095	1032436	1046544	1032692	1.33	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSD	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:46:15	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20519562	20681315	21067168	20756015	1.36	cps
Antimony	121-1	2243796	2254889	2304704	2267796	1.43	cps
Arsenic	75-2	209347	208376	207747	208490	0.39	cps
Barium	135-1	3223454	3360960	3335349	3306587	2.21	cps
Barium	137-1	5703790	5666222	5833115	5734376	1.53	cps
Beryllium	9-1	413976	423034	420636	419215	1.12	cps
Bismuth	209-1	3061133	3056096	2973473	3030234	1.62	cps
Bismuth	209-2	2688723	2756716	2720128	2721856	1.25	cps
Bromine	81-1	923386	1200682	1339797	1154622	18.36	cps
Bromine	81-2	308830	312586	320879	314098	1.96	cps
Cadmium	108-1	44842	45809	44940	45197	1.18	cps
Cadmium	106-1	66940	66629	66769	66779	0.23	cps
Cadmium	111-1	632700	646348	649387	642812	1.38	cps
Calcium	43-1	1223059	1238022	1198889	1219990	1.62	cps
Calcium	44-1	20140671	20618529	20151815	20303672	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2829705	2823757	2825195	2826219	0.11	cps
Cobalt	59-2	2383931	2401424	2418012	2401122	0.71	cps
Copper	63-2	18906486	19153593	19511517	19190532	1.59	cps
Dysprosium	156-1	150687	153000	152697	152128	0.83	cps
Dysprosium	156-2	149696	148883	151269	149949	0.81	cps
Erbium	164-1	146911	151362	151661	149978	1.77	cps
Erbium	164-2	114891	116175	115816	115627	0.57	cps
Gadolinium	160-1	157857	161611	164619	161362	2.10	cps
Gadolinium	160-2	131491	131707	133033	132077	0.63	cps
Holmium	165-1	4861846	4860722	4821833	4848134	0.47	cps
Holmium	165-2	3851431	3754305	3780536	3795424	1.32	cps
Indium	115-1	3784746	3900109	3720144	3801666	2.40	cps
Indium	115-2	1498071	1512261	1496632	1502321	0.57	cps
Iron	56-2	745594442	745096682	739459322	743383482	0.46	cps
Iron	57-2	18303422	18110671	18250761	18221618	0.55	cps
Iron	54-2	40658569	41144094	40788498	40863720	0.62	cps
Krypton	83-1	607	670	660	646	5.27	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSD	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:46:15	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19327735	20123815	20161498	19871016	2.37	cps
Lead	207-1	16060332	16814053	16646842	16507076	2.40	cps
Lead	208-1	74124108	77560830	77410664	76365200	2.54	cps
Lithium	6-1	718443	712429	715930	715601	0.42	cps
Magnesium	24-2	30550385	29974615	30315081	30280027	0.96	cps
Manganese	55-2	23266883	22716041	22420678	22801201	1.88	cps
Molybdenum	94-1	4281344	4238886	4272350	4264193	0.52	cps
Molybdenum	95-1	4263105	4446230	4449131	4386155	2.43	cps
Molybdenum	96-1	4853307	5147131	5022072	5007504	2.94	cps
Molybdenum	97-1	2692503	2755460	2699347	2715770	1.27	cps
Molybdenum	98-1	6972190	7027162	7068460	7022604	0.69	cps
Neodymium	150-1	229561	236946	233697	233401	1.59	cps
Neodymium	150-2	151694	151155	154154	152334	1.05	cps
Nickel	60-2	870611	875396	881536	875847	0.63	cps
Phosphorus	31-2	111691	113500	112453	112548	0.81	cps
Potassium	39-2	13097866	13153150	13425547	13225521	1.33	cps
Rhodium	103-1	3875164	3774614	3839232	3829670	1.33	cps
Rhodium	103-2	2546201	2604818	2564377	2571799	1.17	cps
Scandium	45-1	2942113	2837302	2837148	2872188	2.11	cps
Scandium	45-2	307736	304284	305282	305768	0.58	cps
Selenium	82-1	55715	55242	55966	55641	0.66	cps
Selenium	77-2	7585	7609	7305	7500	2.25	cps
Selenium	78-2	23676	23238	23455	23456	0.93	cps
Silicon	28-1	10508176	10386708	10726487	10540457	1.63	cps
Silver	107-1	556435	560198	564991	560541	0.77	cps
Silver	109-1	523957	532997	527297	528084	0.87	cps
Sodium	23-2	33892663	33690673	34124909	33902748	0.64	cps
Strontium	86-1	1434763	1437366	1450410	1440847	0.58	cps
Strontium	88-1	12400466	12646303	12520206	12522325	0.98	cps
Sulfur	34-1	1787800	1821069	1831773	1813548	1.26	cps
Terbium	159-1	4815606	4892479	4854099	4854061	0.79	cps
Terbium	159-2	3602048	3648690	3720606	3657115	1.63	cps
Thallium	203-1	1959068	2127907	2126357	2071111	4.69	cps
Thallium	205-1	4925934	5001330	5103423	5010229	1.78	cps
Tin	118-1	2704123	2736444	2797907	2746158	1.73	cps
Titanium	47-1	1256122	1251115	1261895	1256377	0.43	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSD	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:46:15	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5983861	6269179	6249360	6167467	2.58	cps
Vanadium	51-2	1862962	1782324	1869200	1838162	2.64	cps
Yttrium	89-1	9183878	9165473	9296541	9215298	0.77	cps
Yttrium	89-2	2718962	2783420	2763173	2755185	1.20	cps
Zinc	66-2	3992739	4056566	4037779	4029028	0.81	cps
Zirconium	90-1	4574964	4790395	4796422	4720594	2.67	cps
Zirconium	91-1	1029369	1044837	1050501	1041569	1.05	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05A	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:49:08	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16050829	16268580	16073366	16130925	0.74	cps
Antimony	121-1	2276344	2345583	2228819	2283582	2.57	cps
Arsenic	75-2	150284	149859	149646	149929	0.22	cps
Barium	135-1	3029494	3151744	3060448	3080562	2.06	cps
Barium	137-1	5254607	5408198	5279241	5314016	1.55	cps
Beryllium	9-1	414240	424325	418868	419144	1.20	cps
Bismuth	209-1	2943337	3008083	2987271	2979564	1.11	cps
Bismuth	209-2	2767589	2739463	2690659	2732570	1.42	cps
Bromine	81-1	667502	830418	921087	806335	15.94	cps
Bromine	81-2	208257	208007	211827	209364	1.02	cps
Cadmium	108-1	45725	46016	45210	45651	0.89	cps
Cadmium	106-1	66120	67838	68377	67445	1.75	cps
Cadmium	111-1	645768	649449	652870	649362	0.55	cps
Calcium	43-1	1079597	1071383	1084283	1078421	0.61	cps
Calcium	44-1	16858186	16884716	16473316	16738740	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2519962	2460311	2462688	2480987	1.36	cps
Cobalt	59-2	2321431	2333889	2279831	2311717	1.22	cps
Copper	63-2	17481482	17406593	17343274	17410450	0.40	cps
Dysprosium	156-1	116236	119857	119941	118678	1.78	cps
Dysprosium	156-2	116277	117067	117087	116810	0.40	cps
Erbium	164-1	113517	116552	118189	116086	2.04	cps
Erbium	164-2	91582	90950	90176	90903	0.77	cps
Gadolinium	160-1	124875	125636	127831	126114	1.22	cps
Gadolinium	160-2	104086	102948	102975	103336	0.63	cps
Holmium	165-1	4846291	4879575	4903976	4876614	0.59	cps
Holmium	165-2	3738635	3910870	3757146	3802217	2.49	cps
Indium	115-1	3739824	3815415	3848628	3801289	1.47	cps
Indium	115-2	1516797	1510494	1502563	1509951	0.47	cps
Iron	56-2	587841858	581922791	581872725	583879125	0.59	cps
Iron	57-2	14168410	14237570	14231000	14212327	0.27	cps
Iron	54-2	31996927	32593440	32111770	32234046	0.98	cps
Krypton	83-1	673	597	557	609	9.74	cps

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05A	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:49:08	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15802382	16254232	16223442	16093352	1.57	cps
Lead	207-1	13009223	13516209	13390029	13305153	1.98	cps
Lead	208-1	60411857	62298750	62085087	61598565	1.68	cps
Lithium	6-1	696001	700307	705600	700636	0.69	cps
Magnesium	24-2	25676653	25648022	25864105	25729594	0.46	cps
Manganese	55-2	20620084	20717171	20669797	20669017	0.23	cps
Molybdenum	94-1	4185441	4315478	4208474	4236464	1.64	cps
Molybdenum	95-1	4283838	4345071	4367066	4331992	1.00	cps
Molybdenum	96-1	4875431	5104821	5030229	5003494	2.34	cps
Molybdenum	97-1	2621800	2684084	2729020	2678302	2.01	cps
Molybdenum	98-1	6990958	7093834	7118288	7067694	0.96	cps
Neodymium	150-1	179158	182315	182219	181230	0.99	cps
Neodymium	150-2	118931	117606	119183	118573	0.71	cps
Nickel	60-2	765115	765674	765713	765501	0.04	cps
Phosphorus	31-2	87968	86332	86248	86849	1.12	cps
Potassium	39-2	11950581	11668589	11721281	11780150	1.27	cps
Rhodium	103-1	3864637	3809090	3902850	3858859	1.22	cps
Rhodium	103-2	2553938	2520638	2604415	2559663	1.65	cps
Scandium	45-1	2741909	2707379	2713461	2720916	0.68	cps
Scandium	45-2	296217	293817	295657	295230	0.43	cps
Selenium	82-1	55696	56852	55692	56080	1.19	cps
Selenium	77-2	6875	7479	7649	7334	5.54	cps
Selenium	78-2	23846	23232	23692	23590	1.36	cps
Silicon	28-1	12929586	13095277	12511575	12845479	2.34	cps
Silver	107-1	543506	554376	551546	549809	1.03	cps
Silver	109-1	513907	521094	521621	518874	0.83	cps
Sodium	23-2	30047833	29373251	29205659	29542248	1.51	cps
Strontium	86-1	1258079	1271158	1268720	1265986	0.55	cps
Strontium	88-1	11325876	11593722	11488577	11469392	1.18	cps
Sulfur	34-1	1286097	1294140	1285392	1288543	0.38	cps
Terbium	159-1	4880912	4831435	4944209	4885519	1.16	cps
Terbium	159-2	3722784	3714034	3613070	3683296	1.66	cps
Thallium	203-1	2085202	2065436	2079529	2076723	0.49	cps
Thallium	205-1	4930271	5045545	5152457	5042758	2.20	cps
Tin	118-1	2361774	2383624	2377233	2374210	0.47	cps
Titanium	47-1	1053952	1053843	1071575	1059790	0.96	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05A	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015A	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:49:08	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6148580	6136923	6220907	6168803	0.74	cps
Vanadium	51-2	1694606	1654950	1654864	1668140	1.37	cps
Yttrium	89-1	8740252	8711968	8584927	8679049	0.95	cps
Yttrium	89-2	2650249	2615705	2634876	2633610	0.66	cps
Zinc	66-2	3795753	3810325	3795271	3800450	0.23	cps
Zirconium	90-1	4534722	4783565	4614321	4644203	2.74	cps
Zirconium	91-1	992575	1021706	1005938	1006739	1.45	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:54:32	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7793363	7805497	7775224	7791361	0.20	cps
Antimony	121-1	2392398	2435115	2411780	2413098	0.89	cps
Arsenic	75-2	197785	197854	195325	196988	0.73	cps
Barium	135-1	2760120	2802369	2777735	2780075	0.76	cps
Barium	137-1	4852574	4790574	4786539	4809895	0.77	cps
Beryllium	9-1	437548	445060	437346	439985	1.00	cps
Bismuth	209-1	2782002	2825666	2864355	2824008	1.46	cps
Bismuth	209-2	2553216	2514627	2534673	2534172	0.76	cps
Bromine	81-1	31711	29409	28925	30015	4.96	cps
Bromine	81-2	3954	3867	3634	3818	4.34	cps
Cadmium	108-1	48160	48233	48919	48437	0.86	cps
Cadmium	106-1	68316	69238	69094	68883	0.72	cps
Cadmium	111-1	664542	680103	680833	675159	1.36	cps
Calcium	43-1	3439731	3508717	3455725	3468057	1.04	cps
Calcium	44-1	56766247	54481324	55256889	55501487	2.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1348942	1363970	1301758	1338223	2.43	cps
Cobalt	59-2	2031394	2084208	2004341	2039981	1.99	cps
Copper	63-2	15960349	15661998	15206081	15609476	2.43	cps
Dysprosium	156-1	177	190	240	202	16.51	cps
Dysprosium	156-2	337	363	323	341	5.97	cps
Erbium	164-1	327	277	293	299	8.52	cps
Erbium	164-2	207	217	287	237	18.42	cps
Gadolinium	160-1	180	180	183	181	1.06	cps
Gadolinium	160-2	373	420	390	394	6.00	cps
Holmium	165-1	4732580	4747507	4710029	4730039	0.40	cps
Holmium	165-2	3647514	3728646	3672963	3683041	1.13	cps
Indium	115-1	3745299	3721660	3694351	3720437	0.69	cps
Indium	115-2	1483823	1462604	1463001	1469810	0.83	cps
Iron	56-2	309983589	313763402	310107842	311284944	0.69	cps
Iron	57-2	7746898	7660530	7432088	7613172	2.14	cps
Iron	54-2	17244377	17068058	16841810	17051415	1.18	cps
Krypton	83-1	360	320	437	372	15.93	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:54:32	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8967982	9065617	9478279	9170626	2.95	cps
Lead	207-1	7567769	7657220	7984087	7736358	2.83	cps
Lead	208-1	35181710	35588214	36400375	35723433	1.74	cps
Lithium	6-1	650251	650853	646463	649189	0.37	cps
Magnesium	24-2	70338787	70191994	70166366	70232382	0.13	cps
Manganese	55-2	11527393	11359034	11063764	11316731	2.07	cps
Molybdenum	94-1	9067410	9116938	9061681	9082010	0.33	cps
Molybdenum	95-1	13061338	12754304	12739357	12851666	1.41	cps
Molybdenum	96-1	14131684	14219012	13926894	14092530	1.06	cps
Molybdenum	97-1	7939190	7853043	7919184	7903806	0.57	cps
Molybdenum	98-1	20755271	20693331	20732362	20726988	0.15	cps
Neodymium	150-1	160	213	163	179	16.70	cps
Neodymium	150-2	93	67	53	71	28.64	cps
Nickel	60-2	518328	524347	514664	519113	0.94	cps
Phosphorus	31-2	94097	94862	93846	94268	0.56	cps
Potassium	39-2	35895474	36162958	35931051	35996494	0.40	cps
Rhodium	103-1	3640394	3731049	3658360	3676601	1.31	cps
Rhodium	103-2	2500145	2489028	2457195	2482123	0.90	cps
Scandium	45-1	2416014	2446438	2379353	2413935	1.39	cps
Scandium	45-2	258421	261122	260639	260060	0.55	cps
Selenium	82-1	55772	56610	55764	56049	0.87	cps
Selenium	77-2	6758	6665	6692	6705	0.72	cps
Selenium	78-2	22831	23308	22187	22775	2.47	cps
Silicon	28-1	26124173	26029038	25229011	25794074	1.91	cps
Silver	107-1	3281235	3355487	3351121	3329281	1.25	cps
Silver	109-1	3227994	3178135	3190184	3198771	0.81	cps
Sodium	23-2	108058975	107708195	106379232	107382134	0.83	cps
Strontium	86-1	800068	808193	802726	803662	0.52	cps
Strontium	88-1	7306200	7174147	7208436	7229594	0.95	cps
Sulfur	34-1	405222	400983	400939	402381	0.61	cps
Terbium	159-1	4756346	4691903	4719486	4722578	0.68	cps
Terbium	159-2	3575873	3600471	3619060	3598468	0.60	cps
Thallium	203-1	2268326	2230039	2293384	2263916	1.41	cps
Thallium	205-1	5355993	5480696	5337700	5391463	1.44	cps
Tin	118-1	2015119	2009768	2004514	2009800	0.26	cps
Titanium	47-1	3445388	3514401	3459670	3473153	1.05	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 14:54:32	DataFile Name :	058CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6808257	6813972	6854185	6825471	0.37	cps
Vanadium	51-2	1135526	1138623	1119587	1131245	0.90	cps
Yttrium	89-1	6876901	6820219	6951091	6882737	0.95	cps
Yttrium	89-2	2087047	2068235	2066136	2073806	0.56	cps
Zinc	66-2	2926607	2964903	2904809	2932106	1.04	cps
Zirconium	90-1	4401333	4466565	4432735	4433544	0.74	cps
Zirconium	91-1	968905	975533	980802	975080	0.61	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:05:21	DataFile Name :	059CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	473	463	450	462	2.53	cps
Antimony	121-1	240	240	227	236	3.27	cps
Arsenic	75-2	2	12	2	5	118.36	cps
Barium	135-1	33	30	43	36	19.51	cps
Barium	137-1	43	43	87	58	43.31	cps
Beryllium	9-1	27	53	20	33	52.91	cps
Bismuth	209-1	2890992	2914013	2933389	2912798	0.73	cps
Bismuth	209-2	2687225	2710680	2725597	2707834	0.71	cps
Bromine	81-1	11978	11751	11825	11852	0.98	cps
Bromine	81-2	840	863	773	826	5.66	cps
Cadmium	108-1	7	0	3	3	100.05	cps
Cadmium	106-1	1580	1530	1747	1619	7.01	cps
Cadmium	111-1	1158	1104	1267	1177	7.05	cps
Calcium	43-1	243	193	237	224	12.10	cps
Calcium	44-1	16947	16933	16956	16945	0.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1537	1570	1573	1560	1.30	cps
Cobalt	59-2	83	67	57	69	19.55	cps
Copper	63-2	1177	1157	1120	1151	2.50	cps
Dysprosium	156-1	3	10	7	7	50.03	cps
Dysprosium	156-2	10	0	0	3	173.21	cps
Erbium	164-1	33	30	23	29	17.63	cps
Erbium	164-2	13	20	33	22	45.83	cps
Gadolinium	160-1	37	33	40	37	9.10	cps
Gadolinium	160-2	260	250	270	260	3.85	cps
Holmium	165-1	4642222	4682197	4670969	4665129	0.44	cps
Holmium	165-2	3710041	3522156	3678587	3636928	2.77	cps
Indium	115-1	3715548	3767354	3748563	3743821	0.70	cps
Indium	115-2	1506594	1499744	1508719	1505019	0.31	cps
Iron	56-2	26931	27676	28133	27580	2.20	cps
Iron	57-2	1743	1603	1717	1688	4.40	cps
Iron	54-2	2477	2574	2570	2540	2.16	cps
Krypton	83-1	387	410	337	378	9.92	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:05:21	DataFile Name :	059CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	407	480	387	424	11.58	cps
Lead	207-1	413	360	397	390	7.00	cps
Lead	208-1	1730	1797	1687	1738	3.19	cps
Lithium	6-1	640447	640530	644287	641754	0.34	cps
Magnesium	24-2	420	457	500	459	8.73	cps
Manganese	55-2	797	773	783	784	1.49	cps
Molybdenum	94-1	310	297	310	306	2.52	cps
Molybdenum	95-1	253	243	220	239	7.16	cps
Molybdenum	96-1	307	253	273	278	9.70	cps
Molybdenum	97-1	157	130	177	154	15.16	cps
Molybdenum	98-1	340	353	353	349	2.21	cps
Neodymium	150-1	3	7	27	12	103.26	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	387	397	393	392	1.30	cps
Phosphorus	31-2	553	623	553	577	7.01	cps
Potassium	39-2	60125	60894	61055	60691	0.82	cps
Rhodium	103-1	3857935	3790825	3777895	3808885	1.13	cps
Rhodium	103-2	2554026	2560693	2551675	2555464	0.18	cps
Scandium	45-1	2394166	2383151	2356062	2377793	0.82	cps
Scandium	45-2	247779	249922	248867	248856	0.43	cps
Selenium	82-1	196	247	272	238	16.23	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	313	307	360	327	8.90	cps
Silicon	28-1	625132	626244	626649	626008	0.13	cps
Silver	107-1	97	107	97	100	5.77	cps
Silver	109-1	67	83	77	76	11.10	cps
Sodium	23-2	32017	32605	32798	32473	1.25	cps
Strontium	86-1	657	573	593	608	7.16	cps
Strontium	88-1	167	203	120	163	25.57	cps
Sulfur	34-1	172087	171099	173947	172378	0.84	cps
Terbium	159-1	4638726	4611969	4761321	4670672	1.71	cps
Terbium	159-2	3519523	3539802	3500746	3520024	0.55	cps
Thallium	203-1	370	297	370	346	12.25	cps
Thallium	205-1	977	913	943	944	3.35	cps
Tin	118-1	1287	1140	1267	1231	6.46	cps
Titanium	47-1	57	70	87	71	21.14	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:05:21	DataFile Name :	059CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43	37	23	34	29.57	cps
Vanadium	51-2	17	20	37	24	43.83	cps
Yttrium	89-1	6766650	6808400	6852872	6809307	0.63	cps
Yttrium	89-2	2034636	2028935	2095035	2052869	1.78	cps
Zinc	66-2	1537	1560	1427	1508	4.72	cps
Zirconium	90-1	427	400	453	427	6.25	cps
Zirconium	91-1	97	83	93	91	7.62	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BL	Instrumnet Name :	P7
Client Sample ID :	PB170139BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:14:30	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	487	467	440	464	5.04	cps
Antimony	121-1	80	87	107	91	15.23	cps
Arsenic	75-2	11	8	5	8	41.20	cps
Barium	135-1	37	20	20	26	37.66	cps
Barium	137-1	50	53	60	54	9.35	cps
Beryllium	9-1	13	10	10	11	17.30	cps
Bismuth	209-1	2912972	2753062	2867269	2844434	2.90	cps
Bismuth	209-2	2575464	2545433	2628972	2583290	1.64	cps
Bromine	81-1	9096	9433	9110	9213	2.07	cps
Bromine	81-2	433	447	450	443	1.99	cps
Cadmium	108-1	10	0	10	7	86.60	cps
Cadmium	106-1	1537	1360	1493	1463	6.29	cps
Cadmium	111-1	1075	979	1072	1042	5.26	cps
Calcium	43-1	187	200	137	174	19.14	cps
Calcium	44-1	18996	17951	19106	18684	3.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1417	1600	1543	1520	6.18	cps
Cobalt	59-2	60	70	60	63	9.12	cps
Copper	63-2	790	790	967	849	12.02	cps
Dysprosium	156-1	10	10	7	9	21.63	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	20	27	20	22	17.33	cps
Erbium	164-2	7	13	17	12	41.65	cps
Gadolinium	160-1	13	20	7	13	49.99	cps
Gadolinium	160-2	277	203	283	254	17.44	cps
Holmium	165-1	4497000	4522601	4486477	4502026	0.41	cps
Holmium	165-2	3408903	3518229	3542210	3489781	2.04	cps
Indium	115-1	3681392	3687503	3689694	3686196	0.12	cps
Indium	115-2	1466915	1459707	1465722	1464115	0.26	cps
Iron	56-2	22176	22363	22096	22212	0.62	cps
Iron	57-2	1550	1670	1577	1599	3.94	cps
Iron	54-2	2244	2314	2147	2235	3.75	cps
Krypton	83-1	350	413	420	394	9.79	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BL	Instrumnet Name :	P7
Client Sample ID :	PB170139BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:14:30	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	440	347	353	380	13.70	cps
Lead	207-1	313	310	290	304	4.14	cps
Lead	208-1	1477	1373	1427	1426	3.63	cps
Lithium	6-1	630137	626725	627768	628210	0.28	cps
Magnesium	24-2	290	253	280	274	6.91	cps
Manganese	55-2	663	680	700	681	2.70	cps
Molybdenum	94-1	257	210	180	216	17.92	cps
Molybdenum	95-1	197	190	220	202	7.79	cps
Molybdenum	96-1	243	197	250	230	12.64	cps
Molybdenum	97-1	113	137	123	124	9.41	cps
Molybdenum	98-1	340	347	267	318	13.97	cps
Neodymium	150-1	0	3	3	2	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	477	353	493	441	17.34	cps
Phosphorus	31-2	553	563	590	569	3.33	cps
Potassium	39-2	61018	60580	60282	60627	0.61	cps
Rhodium	103-1	3783369	3703153	3725944	3737488	1.11	cps
Rhodium	103-2	2485197	2496917	2512848	2498320	0.56	cps
Scandium	45-1	2364484	2295199	2306480	2322054	1.60	cps
Scandium	45-2	244616	243536	244010	244054	0.22	cps
Selenium	82-1	249	216	208	224	9.53	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	373	323	257	318	18.42	cps
Silicon	28-1	646365	643063	647949	645793	0.39	cps
Silver	107-1	53	50	43	49	10.42	cps
Silver	109-1	50	57	47	51	9.96	cps
Sodium	23-2	29064	29238	29425	29242	0.62	cps
Strontium	86-1	563	590	593	582	2.82	cps
Strontium	88-1	127	147	127	133	8.66	cps
Sulfur	34-1	169573	168581	168167	168774	0.43	cps
Terbium	159-1	4579297	4478371	4538664	4532111	1.12	cps
Terbium	159-2	3367148	3316769	3270259	3318059	1.46	cps
Thallium	203-1	243	277	197	239	16.82	cps
Thallium	205-1	640	587	650	626	5.44	cps
Tin	118-1	1050	1037	990	1026	3.07	cps
Titanium	47-1	90	80	43	71	34.56	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BL	Instrumnet Name :	P7
Client Sample ID :	PB170139BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:14:30	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	33	10	26	52.71	cps
Vanadium	51-2	37	10	20	22	60.63	cps
Yttrium	89-1	6680315	6606173	6512747	6599745	1.27	cps
Yttrium	89-2	1993653	1954648	1945924	1964742	1.29	cps
Zinc	66-2	1190	1330	1223	1248	5.86	cps
Zirconium	90-1	347	420	317	361	14.72	cps
Zirconium	91-1	63	87	77	76	15.50	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BS	Instrumnet Name :	P7
Client Sample ID :	PB170139BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:17:52	DataFile Name :	061LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1602009	1562868	1585273	1583383	1.24	cps
Antimony	121-1	2359008	2439906	2384292	2394402	1.73	cps
Arsenic	75-2	193454	196233	195611	195099	0.75	cps
Barium	135-1	2744127	2737741	2819578	2767149	1.64	cps
Barium	137-1	4686786	4841629	4844025	4790813	1.88	cps
Beryllium	9-1	445695	448560	445796	446684	0.36	cps
Bismuth	209-1	2876676	2909185	2841317	2875726	1.18	cps
Bismuth	209-2	2551005	2589117	2601604	2580575	1.02	cps
Bromine	81-1	9030	8813	8876	8906	1.25	cps
Bromine	81-2	427	383	347	386	10.39	cps
Cadmium	108-1	49374	49210	49464	49349	0.26	cps
Cadmium	106-1	69706	71472	69546	70241	1.52	cps
Cadmium	111-1	684471	694948	695671	691697	0.91	cps
Calcium	43-1	696820	701025	698994	698946	0.30	cps
Calcium	44-1	10916625	11193202	11209992	11106606	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1388883	1405996	1423945	1406275	1.25	cps
Cobalt	59-2	1998336	2053168	1998633	2016713	1.57	cps
Copper	63-2	15678986	15871818	15863802	15804869	0.69	cps
Dysprosium	156-1	107	87	97	97	10.34	cps
Dysprosium	156-2	210	220	240	223	6.84	cps
Erbium	164-1	123	100	140	121	16.59	cps
Erbium	164-2	93	83	77	84	9.93	cps
Gadolinium	160-1	80	67	70	72	9.61	cps
Gadolinium	160-2	330	243	297	290	15.07	cps
Holmium	165-1	4610444	4486630	4657891	4584988	1.93	cps
Holmium	165-2	3578316	3565029	3692084	3611809	1.93	cps
Indium	115-1	3670451	3594417	3608616	3624495	1.12	cps
Indium	115-2	1438514	1445609	1446317	1443480	0.30	cps
Iron	56-2	61357542	64439877	62993432	62930284	2.45	cps
Iron	57-2	1539605	1575518	1563620	1559581	1.17	cps
Iron	54-2	3421799	3495095	3448194	3455029	1.07	cps
Krypton	83-1	383	360	387	377	3.86	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BS	Instrumnet Name :	P7
Client Sample ID :	PB170139BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:17:52	DataFile Name :	061LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9240103	9515357	9365270	9373577	1.47	cps
Lead	207-1	7974684	7736282	7829133	7846700	1.53	cps
Lead	208-1	36443864	36764429	36197251	36468515	0.78	cps
Lithium	6-1	639985	645376	640240	641867	0.47	cps
Magnesium	24-2	13599040	13454127	13746959	13600042	1.08	cps
Manganese	55-2	10977325	11020475	10994149	10997317	0.20	cps
Molybdenum	94-1	8589068	8815596	8765874	8723513	1.36	cps
Molybdenum	95-1	12334622	12793722	12460711	12529685	1.89	cps
Molybdenum	96-1	13411197	13726324	13450651	13529390	1.27	cps
Molybdenum	97-1	7663895	7862612	7564963	7697157	1.97	cps
Molybdenum	98-1	19999060	20587397	19925929	20170796	1.80	cps
Neodymium	150-1	90	127	130	116	19.21	cps
Neodymium	150-2	53	70	50	58	18.55	cps
Nickel	60-2	541735	550023	546321	546026	0.76	cps
Phosphorus	31-2	89339	91763	90412	90505	1.34	cps
Potassium	39-2	7094954	7183657	7088138	7122250	0.75	cps
Rhodium	103-1	3735102	3684748	3662940	3694263	1.00	cps
Rhodium	103-2	2424859	2499619	2439913	2454797	1.61	cps
Scandium	45-1	2263471	2331705	2311455	2302211	1.52	cps
Scandium	45-2	242863	244426	245431	244240	0.53	cps
Selenium	82-1	58466	58580	59410	58819	0.88	cps
Selenium	77-2	7172	6982	6998	7051	1.49	cps
Selenium	78-2	23412	23889	23873	23725	1.14	cps
Silicon	28-1	24123136	24093044	24166701	24127627	0.15	cps
Silver	107-1	3380748	3380048	3369767	3376854	0.18	cps
Silver	109-1	3194471	3190406	3250115	3211664	1.04	cps
Sodium	23-2	21766865	21495385	21589722	21617324	0.64	cps
Strontium	86-1	765952	779723	767852	771176	0.97	cps
Strontium	88-1	7039259	6910243	7035351	6994951	1.05	cps
Sulfur	34-1	395721	389929	388436	391362	0.98	cps
Terbium	159-1	4664789	4548240	4722922	4645317	1.91	cps
Terbium	159-2	3453916	3443983	3531296	3476399	1.38	cps
Thallium	203-1	2265772	2271310	2307768	2281616	1.00	cps
Thallium	205-1	5391407	5598547	5529270	5506408	1.91	cps
Tin	118-1	1987505	1993184	2025654	2002115	1.03	cps
Titanium	47-1	3245237	3286452	3265724	3265804	0.63	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170139BS	Instrumnet Name :	P7
Client Sample ID :	PB170139BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:17:52	DataFile Name :	061LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6562474	6860908	6820284	6747889	2.40	cps
Vanadium	51-2	1081687	1088550	1083869	1084702	0.32	cps
Yttrium	89-1	6537836	6591437	6667877	6599050	0.99	cps
Yttrium	89-2	1961473	1974857	2022576	1986302	1.62	cps
Zinc	66-2	3087017	3067181	3073150	3075783	0.33	cps
Zirconium	90-1	4249831	4258445	4312251	4273509	0.79	cps
Zirconium	91-1	944152	949581	945095	946276	0.31	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BL	Instrumnet Name :	P7
Client Sample ID :	PB170158BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:20:47	DataFile Name :	062CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	503	510	517	510	1.31	cps
Antimony	121-1	670	813	790	758	10.15	cps
Arsenic	75-2	18	18	11	16	24.57	cps
Barium	135-1	70	40	37	49	37.55	cps
Barium	137-1	97	50	70	72	32.42	cps
Beryllium	9-1	7	17	10	11	45.82	cps
Bismuth	209-1	3025253	2994930	2884148	2968110	2.50	cps
Bismuth	209-2	2629159	2621958	2639669	2630262	0.34	cps
Bromine	81-1	8733	8739	8933	8802	1.29	cps
Bromine	81-2	373	357	373	368	2.62	cps
Cadmium	108-1	7	3	3	4	43.40	cps
Cadmium	106-1	1533	1770	1740	1681	7.67	cps
Cadmium	111-1	1129	1280	1296	1235	7.47	cps
Calcium	43-1	217	167	157	180	17.86	cps
Calcium	44-1	18101	18689	17954	18248	2.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1523	1530	1653	1569	4.67	cps
Cobalt	59-2	97	133	53	94	42.41	cps
Copper	63-2	1243	1227	1277	1249	2.04	cps
Dysprosium	156-1	3	3	3	3	0.00	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	13	33	10	19	66.81	cps
Erbium	164-2	17	20	30	22	31.22	cps
Gadolinium	160-1	23	33	13	23	42.86	cps
Gadolinium	160-2	310	267	277	284	7.98	cps
Holmium	165-1	4614752	4592372	4621862	4609662	0.33	cps
Holmium	165-2	3573588	3617471	3553477	3581512	0.91	cps
Indium	115-1	3742162	3783142	3776306	3767204	0.58	cps
Indium	115-2	1471388	1478774	1478104	1476088	0.28	cps
Iron	56-2	24894	25168	25582	25215	1.37	cps
Iron	57-2	1630	1480	1583	1564	4.91	cps
Iron	54-2	2304	2397	2504	2401	4.17	cps
Krypton	83-1	357	397	393	382	5.81	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BL	Instrumnet Name :	P7
Client Sample ID :	PB170158BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:20:47	DataFile Name :	062CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	573	357	380	437	27.24	cps
Lead	207-1	400	417	410	409	2.05	cps
Lead	208-1	1987	1673	1620	1760	11.26	cps
Lithium	6-1	633610	639566	648649	640608	1.18	cps
Magnesium	24-2	310	283	267	287	7.63	cps
Manganese	55-2	673	847	713	744	12.19	cps
Molybdenum	94-1	523	510	453	496	7.50	cps
Molybdenum	95-1	557	570	520	549	4.72	cps
Molybdenum	96-1	640	567	573	593	6.83	cps
Molybdenum	97-1	373	373	293	347	13.32	cps
Molybdenum	98-1	983	937	893	938	4.80	cps
Neodymium	150-1	3	3	7	4	43.40	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	337	427	407	390	12.12	cps
Phosphorus	31-2	540	537	553	543	1.62	cps
Potassium	39-2	58850	58535	58950	58778	0.37	cps
Rhodium	103-1	3737296	3725032	3807160	3756496	1.18	cps
Rhodium	103-2	2538954	2482635	2471301	2497630	1.45	cps
Scandium	45-1	2328538	2333023	2281423	2314328	1.24	cps
Scandium	45-2	242496	245297	245382	244391	0.67	cps
Selenium	82-1	238	231	205	225	7.66	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	337	347	343	342	1.49	cps
Silicon	28-1	636054	639192	651155	642134	1.24	cps
Silver	107-1	367	293	297	319	12.99	cps
Silver	109-1	250	303	210	254	18.40	cps
Sodium	23-2	30403	29278	29749	29810	1.90	cps
Strontium	86-1	603	640	500	581	12.49	cps
Strontium	88-1	187	173	150	170	10.92	cps
Sulfur	34-1	155549	156966	157257	156591	0.58	cps
Terbium	159-1	4604233	4697667	4602862	4634921	1.17	cps
Terbium	159-2	3484241	3462742	3515449	3487477	0.76	cps
Thallium	203-1	347	400	377	374	7.14	cps
Thallium	205-1	943	780	967	897	11.34	cps
Tin	118-1	1207	1357	1247	1270	6.12	cps
Titanium	47-1	83	60	100	81	24.77	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BL	Instrumnet Name :	P7
Client Sample ID :	PB170158BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:20:47	DataFile Name :	062CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	97	53	93	81	29.73	cps
Vanadium	51-2	0	20	3	8	137.80	cps
Yttrium	89-1	6596213	6677739	6669539	6647831	0.68	cps
Yttrium	89-2	2027969	1975229	2005105	2002768	1.32	cps
Zinc	66-2	1413	1577	1427	1472	6.16	cps
Zirconium	90-1	540	570	537	549	3.35	cps
Zirconium	91-1	110	63	113	96	29.26	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BS	Instrumnet Name :	P7
Client Sample ID :	PB170158BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:24:11	DataFile Name :	063LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1593304	1624731	1548503	1588846	2.41	cps
Antimony	121-1	2419121	2465699	2390376	2425066	1.57	cps
Arsenic	75-2	195451	195391	195974	195605	0.16	cps
Barium	135-1	2805335	2748973	2856575	2803628	1.92	cps
Barium	137-1	4742669	4780421	4842053	4788381	1.05	cps
Beryllium	9-1	448681	448155	460466	452434	1.54	cps
Bismuth	209-1	2960091	2962234	2967084	2963136	0.12	cps
Bismuth	209-2	2650016	2620335	2665785	2645379	0.87	cps
Bromine	81-1	8823	9060	8549	8811	2.90	cps
Bromine	81-2	303	310	297	303	2.20	cps
Cadmium	108-1	49598	49762	50063	49807	0.47	cps
Cadmium	106-1	70547	69342	70195	70028	0.89	cps
Cadmium	111-1	691987	697211	700807	696668	0.64	cps
Calcium	43-1	702223	703756	702060	702680	0.13	cps
Calcium	44-1	11035644	10855434	11340857	11077312	2.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1520072	1531652	1515375	1522366	0.55	cps
Cobalt	59-2	2065804	2031603	1963184	2020197	2.59	cps
Copper	63-2	15718138	15861328	15869344	15816270	0.54	cps
Dysprosium	156-1	73	110	110	98	21.65	cps
Dysprosium	156-2	313	307	313	311	1.24	cps
Erbium	164-1	133	107	110	117	12.46	cps
Erbium	164-2	77	103	100	93	15.57	cps
Gadolinium	160-1	90	80	73	81	10.34	cps
Gadolinium	160-2	253	363	250	289	22.32	cps
Holmium	165-1	4790017	4786433	4664220	4746890	1.51	cps
Holmium	165-2	3630586	3681408	3601344	3637780	1.11	cps
Indium	115-1	3721036	3720667	3727485	3723063	0.10	cps
Indium	115-2	1459527	1454984	1453909	1456140	0.20	cps
Iron	56-2	63086589	62948141	61954804	62663178	0.99	cps
Iron	57-2	1557845	1575071	1571738	1568218	0.58	cps
Iron	54-2	3510628	3544842	3498199	3517890	0.69	cps
Krypton	83-1	363	363	373	367	1.57	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BS	Instrumnet Name :	P7
Client Sample ID :	PB170158BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:24:11	DataFile Name :	063LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9404458	9607227	9675722	9562469	1.48	cps
Lead	207-1	7884352	8199067	8203915	8095778	2.26	cps
Lead	208-1	36445631	37426454	37684393	37185493	1.76	cps
Lithium	6-1	661104	656662	671395	663053	1.14	cps
Magnesium	24-2	13959617	13936558	13660162	13852113	1.20	cps
Manganese	55-2	10998359	10824211	10806475	10876348	0.97	cps
Molybdenum	94-1	8705997	8778639	8594439	8693025	1.07	cps
Molybdenum	95-1	12215336	12416867	12722311	12451505	2.05	cps
Molybdenum	96-1	13514363	13156417	13645954	13438911	1.89	cps
Molybdenum	97-1	7606404	7790907	7540887	7646066	1.70	cps
Molybdenum	98-1	19873225	20751145	19817661	20147344	2.60	cps
Neodymium	150-1	190	113	127	143	28.58	cps
Neodymium	150-2	50	57	37	48	21.31	cps
Nickel	60-2	575009	574995	574040	574681	0.10	cps
Phosphorus	31-2	89859	91750	88454	90021	1.84	cps
Potassium	39-2	7079784	7037970	7281496	7133083	1.83	cps
Rhodium	103-1	3721610	3710645	3652764	3695006	1.00	cps
Rhodium	103-2	2516269	2529568	2505180	2517006	0.49	cps
Scandium	45-1	2416014	2299039	2357771	2357608	2.48	cps
Scandium	45-2	248443	248518	247726	248229	0.18	cps
Selenium	82-1	58314	58750	59075	58713	0.65	cps
Selenium	77-2	7078	6935	6752	6922	2.37	cps
Selenium	78-2	23766	23432	23983	23727	1.17	cps
Silicon	28-1	24465405	24765322	24910040	24713589	0.92	cps
Silver	107-1	2652702	2751516	2679511	2694576	1.90	cps
Silver	109-1	2528519	2544641	2573617	2548926	0.90	cps
Sodium	23-2	21880074	21928598	20904971	21571214	2.68	cps
Strontium	86-1	769190	770107	771234	770177	0.13	cps
Strontium	88-1	6874059	6782317	6939398	6865258	1.15	cps
Sulfur	34-1	391705	389113	387334	389384	0.56	cps
Terbium	159-1	4721965	4732761	4762748	4739158	0.45	cps
Terbium	159-2	3509140	3497028	3432867	3479679	1.18	cps
Thallium	203-1	2289474	2319541	2358933	2322649	1.50	cps
Thallium	205-1	5413347	5630755	5623148	5555750	2.22	cps
Tin	118-1	1950855	2043272	1991334	1995154	2.32	cps
Titanium	47-1	3309801	3283391	3308965	3300719	0.45	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170158BS	Instrumnet Name :	P7
Client Sample ID :	PB170158BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:24:11	DataFile Name :	063LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6855728	6829371	6866439	6850512	0.28	cps
Vanadium	51-2	1092802	1090834	1087102	1090246	0.27	cps
Yttrium	89-1	6803102	6716962	6748083	6756049	0.65	cps
Yttrium	89-2	1979699	2007200	2034158	2007019	1.36	cps
Zinc	66-2	3089408	3100711	3103705	3097941	0.24	cps
Zirconium	90-1	4267124	4375748	4314613	4319161	1.26	cps
Zirconium	91-1	938108	943364	937114	939529	0.36	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BL	Instrumnet Name :	P7
Client Sample ID :	PB170186BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:27:02	DataFile Name :	064CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	513	523	393	477	15.18	cps
Antimony	121-1	623	747	833	734	14.37	cps
Arsenic	75-2	8	5	8	7	29.38	cps
Barium	135-1	43	27	30	33	26.45	cps
Barium	137-1	77	67	67	70	8.25	cps
Beryllium	9-1	40	30	30	33	17.32	cps
Bismuth	209-1	2923774	2846041	2906916	2892244	1.41	cps
Bismuth	209-2	2634734	2681376	2674987	2663699	0.95	cps
Bromine	81-1	8629	8863	8633	8708	1.54	cps
Bromine	81-2	287	333	303	308	7.68	cps
Cadmium	108-1	13	13	10	12	15.73	cps
Cadmium	106-1	1803	1707	1540	1683	7.91	cps
Cadmium	111-1	1280	1232	1101	1204	7.68	cps
Calcium	43-1	113	160	157	143	18.17	cps
Calcium	44-1	17681	17724	17831	17745	0.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1663	1540	1530	1578	4.71	cps
Cobalt	59-2	100	80	70	83	18.33	cps
Copper	63-2	1430	1173	1290	1298	9.90	cps
Dysprosium	156-1	0	13	10	8	89.21	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	17	20	17	18	10.81	cps
Erbium	164-2	13	13	13	13	0.00	cps
Gadolinium	160-1	33	27	20	27	24.99	cps
Gadolinium	160-2	287	257	277	273	5.59	cps
Holmium	165-1	4525480	4532190	4589722	4549131	0.78	cps
Holmium	165-2	3557384	3623209	3588133	3589576	0.92	cps
Indium	115-1	3725769	3692715	3703510	3707331	0.45	cps
Indium	115-2	1472518	1469580	1461920	1468006	0.37	cps
Iron	56-2	24109	24089	23819	24006	0.68	cps
Iron	57-2	1443	1450	1493	1462	1.86	cps
Iron	54-2	2297	2424	2367	2362	2.69	cps
Krypton	83-1	383	380	317	360	10.44	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BL	Instrumnet Name :	P7
Client Sample ID :	PB170186BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:27:02	DataFile Name :	064CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	510	453	387	450	13.72	cps
Lead	207-1	413	393	320	376	13.08	cps
Lead	208-1	1953	1737	1700	1797	7.62	cps
Lithium	6-1	649850	648553	649878	649427	0.12	cps
Magnesium	24-2	240	267	313	273	13.58	cps
Manganese	55-2	667	600	660	642	5.72	cps
Molybdenum	94-1	500	540	453	498	8.71	cps
Molybdenum	95-1	520	497	530	516	3.32	cps
Molybdenum	96-1	673	617	600	630	6.10	cps
Molybdenum	97-1	417	290	300	336	20.99	cps
Molybdenum	98-1	930	780	867	859	8.77	cps
Neodymium	150-1	0	0	0	0	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	397	433	420	417	4.45	cps
Phosphorus	31-2	493	483	490	489	1.04	cps
Potassium	39-2	58415	58957	59010	58794	0.56	cps
Rhodium	103-1	3738699	3752858	3729102	3740220	0.32	cps
Rhodium	103-2	2555745	2504391	2521006	2527047	1.04	cps
Scandium	45-1	2341277	2345663	2296306	2327749	1.17	cps
Scandium	45-2	243748	243272	242103	243041	0.35	cps
Selenium	82-1	259	199	283	247	17.55	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	317	290	307	304	4.42	cps
Silicon	28-1	646816	633715	630028	636853	1.39	cps
Silver	107-1	300	293	213	269	17.94	cps
Silver	109-1	300	237	163	233	29.31	cps
Sodium	23-2	30286	29358	29765	29803	1.56	cps
Strontium	86-1	613	557	573	581	5.01	cps
Strontium	88-1	140	140	167	149	10.34	cps
Sulfur	34-1	156222	155744	154387	155451	0.61	cps
Terbium	159-1	4591164	4576743	4610955	4592954	0.37	cps
Terbium	159-2	3441805	3418353	3493611	3451256	1.12	cps
Thallium	203-1	317	323	353	331	5.90	cps
Thallium	205-1	837	873	807	839	3.98	cps
Tin	118-1	1097	1167	1283	1182	7.98	cps
Titanium	47-1	87	100	83	90	9.80	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BL	Instrumnet Name :	P7
Client Sample ID :	PB170186BL	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:27:02	DataFile Name :	064CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	73	100	83	86	15.75	cps
Vanadium	51-2	20	33	13	22	45.83	cps
Yttrium	89-1	6620356	6569510	6635794	6608554	0.52	cps
Yttrium	89-2	2014373	2010493	2027753	2017540	0.45	cps
Zinc	66-2	1353	1300	1397	1350	3.59	cps
Zirconium	90-1	463	423	557	481	14.22	cps
Zirconium	91-1	87	107	107	100	11.55	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BS	Instrumnet Name :	P7
Client Sample ID :	PB170186BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:30:27	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1579266	1611055	1576430	1588917	1.21	cps
Antimony	121-1	2403592	2410047	2412392	2408677	0.19	cps
Arsenic	75-2	198841	198880	197565	198429	0.38	cps
Barium	135-1	2732833	2837275	2801853	2790653	1.90	cps
Barium	137-1	4726528	4846346	4919235	4830703	2.01	cps
Beryllium	9-1	452035	456784	462025	456948	1.09	cps
Bismuth	209-1	2925314	2944253	2872555	2914041	1.28	cps
Bismuth	209-2	2669077	2652822	2591718	2637872	1.55	cps
Bromine	81-1	8202	8179	8266	8216	0.55	cps
Bromine	81-2	277	247	277	267	6.50	cps
Cadmium	108-1	49056	50518	50294	49956	1.58	cps
Cadmium	106-1	68749	70725	71214	70229	1.86	cps
Cadmium	111-1	694542	697807	705014	699121	0.77	cps
Calcium	43-1	707307	711098	711824	710077	0.34	cps
Calcium	44-1	10900672	11042709	11413152	11118844	2.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1434950	1411666	1421028	1422548	0.82	cps
Cobalt	59-2	2059139	2030572	2041312	2043674	0.71	cps
Copper	63-2	15886576	15782903	16108157	15925878	1.04	cps
Dysprosium	156-1	77	87	103	89	15.15	cps
Dysprosium	156-2	250	267	213	243	11.21	cps
Erbium	164-1	73	147	93	104	36.30	cps
Erbium	164-2	73	70	97	80	18.17	cps
Gadolinium	160-1	90	67	60	72	21.81	cps
Gadolinium	160-2	357	323	327	336	5.47	cps
Holmium	165-1	4742550	4650495	4739634	4710893	1.11	cps
Holmium	165-2	3801162	3676643	3668064	3715290	2.00	cps
Indium	115-1	3682339	3595108	3642288	3639912	1.20	cps
Indium	115-2	1457887	1458645	1446437	1454323	0.47	cps
Iron	56-2	63938622	63895446	63393697	63742588	0.48	cps
Iron	57-2	1572546	1549274	1547868	1556563	0.89	cps
Iron	54-2	3509745	3480293	3485633	3491891	0.45	cps
Krypton	83-1	337	327	350	338	3.47	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BS	Instrumnet Name :	P7
Client Sample ID :	PB170186BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:30:27	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9348433	9464597	9719004	9510678	1.99	cps
Lead	207-1	8044427	8064597	8215396	8108140	1.15	cps
Lead	208-1	36930843	37300027	37589403	37273424	0.89	cps
Lithium	6-1	656580	655854	657277	656570	0.11	cps
Magnesium	24-2	13941113	13924287	13612170	13825857	1.34	cps
Manganese	55-2	11110985	11184841	11105429	11133751	0.40	cps
Molybdenum	94-1	8801362	8828476	8963394	8864411	0.98	cps
Molybdenum	95-1	12677845	12573015	12589962	12613607	0.45	cps
Molybdenum	96-1	13417877	13855584	13584442	13619301	1.62	cps
Molybdenum	97-1	7783719	7739391	7602957	7708689	1.22	cps
Molybdenum	98-1	20283861	20567446	20311372	20387560	0.77	cps
Neodymium	150-1	117	103	153	124	20.81	cps
Neodymium	150-2	57	77	50	61	22.71	cps
Nickel	60-2	555761	554532	558706	556333	0.39	cps
Phosphorus	31-2	91729	89942	90341	90671	1.03	cps
Potassium	39-2	7330747	7198733	7232313	7253931	0.95	cps
Rhodium	103-1	3718207	3711153	3721610	3716990	0.14	cps
Rhodium	103-2	2486074	2440931	2475056	2467353	0.95	cps
Scandium	45-1	2307391	2288080	2304855	2300108	0.46	cps
Scandium	45-2	246735	248153	245206	246698	0.60	cps
Selenium	82-1	57961	59086	58638	58562	0.97	cps
Selenium	77-2	7262	7142	7218	7207	0.84	cps
Selenium	78-2	24146	23853	24163	24054	0.73	cps
Silicon	28-1	24504430	24369763	24404454	24426216	0.29	cps
Silver	107-1	3109495	3145516	3138035	3131016	0.61	cps
Silver	109-1	2862607	3114822	2916551	2964660	4.48	cps
Sodium	23-2	21897779	22039491	21490931	21809400	1.31	cps
Strontium	86-1	775212	777479	782788	778493	0.50	cps
Strontium	88-1	6950973	6984070	7023994	6986346	0.52	cps
Sulfur	34-1	388050	392696	383836	388194	1.14	cps
Terbium	159-1	4660977	4615781	4708652	4661803	1.00	cps
Terbium	159-2	3487452	3519636	3544647	3517245	0.82	cps
Thallium	203-1	2277932	2339848	2368386	2328722	1.99	cps
Thallium	205-1	5591150	5622457	5600454	5604687	0.29	cps
Tin	118-1	1987102	2031325	2102871	2040433	2.86	cps
Titanium	47-1	3316587	3437228	3323090	3358968	2.02	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	PB170186BS	Instrumnet Name :	P7
Client Sample ID :	PB170186BS	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:30:27	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6852150	6794009	6916089	6854083	0.89	cps
Vanadium	51-2	1103788	1095212	1101796	1100266	0.41	cps
Yttrium	89-1	6737209	6577368	6425906	6580161	2.37	cps
Yttrium	89-2	2027780	1991880	2015002	2011554	0.90	cps
Zinc	66-2	3120203	3101434	3157949	3126529	0.92	cps
Zirconium	90-1	4335891	4395434	4371666	4367664	0.69	cps
Zirconium	91-1	939571	950189	952151	947304	0.71	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-074099-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:33:19	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9592873	9382271	9350922	9442022	1.39	cps
Antimony	121-1	2230	2394	2390	2338	3.99	cps
Arsenic	75-2	74196	71812	72671	72893	1.66	cps
Barium	135-1	425637	431954	430271	429287	0.76	cps
Barium	137-1	739000	742398	748649	743349	0.66	cps
Beryllium	9-1	3690	3590	3470	3584	3.07	cps
Bismuth	209-1	2816321	2930440	2961901	2902888	2.64	cps
Bismuth	209-2	2718255	2670617	2623682	2670851	1.77	cps
Bromine	81-1	221226	289640	317064	275977	17.88	cps
Bromine	81-2	71010	71934	72095	71679	0.82	cps
Cadmium	108-1	520	470	463	484	6.39	cps
Cadmium	106-1	2687	2747	2750	2728	1.31	cps
Cadmium	111-1	4707	4871	4985	4854	2.87	cps
Calcium	43-1	308739	316879	316507	314041	1.46	cps
Calcium	44-1	4926692	4950398	4952478	4943189	0.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	739555	737553	734456	737188	0.35	cps
Cobalt	59-2	250013	247321	250661	249332	0.71	cps
Copper	63-2	1834015	1863413	1825152	1840860	1.09	cps
Dysprosium	156-1	84680	84928	85525	85045	0.51	cps
Dysprosium	156-2	84670	83939	83406	84005	0.76	cps
Erbium	164-1	82106	82777	83407	82764	0.79	cps
Erbium	164-2	63932	65077	64281	64430	0.91	cps
Gadolinium	160-1	88994	88662	89450	89035	0.44	cps
Gadolinium	160-2	73893	74571	74380	74281	0.47	cps
Holmium	165-1	4691023	4736412	4710372	4712602	0.48	cps
Holmium	165-2	3766353	3784768	3711585	3754235	1.01	cps
Indium	115-1	3765908	3646071	3655838	3689272	1.80	cps
Indium	115-2	1487546	1492030	1485480	1488352	0.22	cps
Iron	56-2	388999128	384907248	381232488	385046288	1.01	cps
Iron	57-2	9687250	9529465	9450569	9555761	1.26	cps
Iron	54-2	21791816	21501476	20882383	21391892	2.17	cps
Krypton	83-1	580	510	517	536	7.21	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-074099-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:33:19	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4313766	4389677	4409334	4370926	1.15	cps
Lead	207-1	3419323	3478299	3473808	3457143	0.95	cps
Lead	208-1	16311053	16471821	16632520	16471798	0.98	cps
Lithium	6-1	678678	682373	675134	678728	0.53	cps
Magnesium	24-2	8117236	8307239	8055945	8160140	1.61	cps
Manganese	55-2	6624218	6513403	6519686	6552436	0.95	cps
Molybdenum	94-1	131717	135443	136443	134535	1.85	cps
Molybdenum	95-1	11922	12022	12115	12020	0.80	cps
Molybdenum	96-1	35597	35757	35961	35772	0.51	cps
Molybdenum	97-1	7452	7312	7402	7389	0.96	cps
Molybdenum	98-1	19019	19219	19683	19307	1.76	cps
Neodymium	150-1	132055	133821	135080	133652	1.14	cps
Neodymium	150-2	89812	89364	88228	89135	0.92	cps
Nickel	60-2	166086	164011	163346	164481	0.87	cps
Phosphorus	31-2	45287	44347	45531	45055	1.39	cps
Potassium	39-2	3292256	3256219	3307170	3285215	0.80	cps
Rhodium	103-1	3598304	3675449	3727225	3666993	1.77	cps
Rhodium	103-2	2565097	2528726	2500654	2531492	1.28	cps
Scandium	45-1	2485593	2541887	2462162	2496547	1.64	cps
Scandium	45-2	273103	274006	269255	272121	0.93	cps
Selenium	82-1	720	810	974	834	15.40	cps
Selenium	77-2	473	427	450	450	5.19	cps
Selenium	78-2	833	770	763	789	4.90	cps
Silicon	28-1	6006106	6192474	6768296	6322292	6.28	cps
Silver	107-1	20471	21349	21623	21148	2.85	cps
Silver	109-1	19951	19900	20221	20024	0.86	cps
Sodium	23-2	2094674	2098105	2059888	2084223	1.01	cps
Strontium	86-1	226326	231720	230391	229479	1.22	cps
Strontium	88-1	2044036	2092799	2091596	2076144	1.34	cps
Sulfur	34-1	897529	901120	899959	899536	0.20	cps
Terbium	159-1	4744385	4664582	4657654	4688873	1.03	cps
Terbium	159-2	3558504	3634720	3633143	3608789	1.21	cps
Thallium	203-1	4491	4101	4331	4307	4.55	cps
Thallium	205-1	10137	10728	10501	10455	2.85	cps
Tin	118-1	377886	380054	385709	381216	1.06	cps
Titanium	47-1	746054	754525	752020	750866	0.58	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-074099-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:33:19	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	72783	72031	72659	72491	0.56	cps
Vanadium	51-2	394016	389979	389895	391297	0.60	cps
Yttrium	89-1	7647138	7920816	7823819	7797257	1.78	cps
Yttrium	89-2	2417358	2432992	2328382	2392911	2.36	cps
Zinc	66-2	622687	615439	615590	617906	0.67	cps
Zirconium	90-1	342856	349937	355568	349454	1.82	cps
Zirconium	91-1	77031	78887	79078	78332	1.44	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S04-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:36:30	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5605237	5539012	5493637	5545962	1.01	cps
Antimony	121-1	3344	3277	3494	3372	3.29	cps
Arsenic	75-2	26229	27101	26560	26630	1.65	cps
Barium	135-1	284979	289719	290133	288277	0.99	cps
Barium	137-1	494657	502801	504251	500570	1.03	cps
Beryllium	9-1	4041	4084	4471	4198	5.64	cps
Bismuth	209-1	2855157	2849392	2835781	2846776	0.35	cps
Bismuth	209-2	2666704	2624830	2649492	2647009	0.80	cps
Bromine	81-1	187008	233038	246523	222190	14.04	cps
Bromine	81-2	53594	54410	53898	53967	0.76	cps
Cadmium	108-1	713	643	717	691	5.99	cps
Cadmium	106-1	2880	2867	3044	2930	3.36	cps
Cadmium	111-1	8058	8362	7957	8126	2.59	cps
Calcium	43-1	920056	928852	937907	928938	0.96	cps
Calcium	44-1	14647899	14653451	14451223	14584191	0.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	729214	733280	727576	730023	0.40	cps
Cobalt	59-2	219131	219592	220765	219829	0.38	cps
Copper	63-2	1797776	1767274	1710052	1758367	2.53	cps
Dysprosium	156-1	49283	48871	48604	48919	0.70	cps
Dysprosium	156-2	49166	49674	49169	49336	0.59	cps
Erbium	164-1	46139	46537	46447	46375	0.45	cps
Erbium	164-2	37424	36942	36641	37002	1.07	cps
Gadolinium	160-1	51391	52451	52030	51957	1.03	cps
Gadolinium	160-2	43066	42210	42812	42696	1.03	cps
Holmium	165-1	4472618	4555142	4564940	4530900	1.12	cps
Holmium	165-2	3739112	3611771	3692903	3681262	1.75	cps
Indium	115-1	3720345	3711244	3618290	3683293	1.53	cps
Indium	115-2	1502302	1489509	1472067	1487959	1.02	cps
Iron	56-2	259640789	260831389	254981750	258484643	1.20	cps
Iron	57-2	6441610	6268289	6446285	6385394	1.59	cps
Iron	54-2	14597254	14427416	14148683	14391118	1.57	cps
Krypton	83-1	430	467	490	462	6.54	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S04-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:36:30	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4070639	4141390	4078953	4096994	0.94	cps
Lead	207-1	3286553	3321938	3304686	3304393	0.54	cps
Lead	208-1	15357825	15607783	15363906	15443171	0.92	cps
Lithium	6-1	653122	649803	648961	650628	0.34	cps
Magnesium	24-2	10109032	9978186	9936323	10007847	0.90	cps
Manganese	55-2	4922615	4948972	4895746	4922444	0.54	cps
Molybdenum	94-1	116661	118583	116810	117351	0.91	cps
Molybdenum	95-1	34664	34915	35232	34937	0.81	cps
Molybdenum	96-1	54274	53969	55154	54466	1.13	cps
Molybdenum	97-1	21382	21786	21189	21453	1.42	cps
Molybdenum	98-1	55726	57101	56208	56345	1.24	cps
Neodymium	150-1	79905	80938	81528	80790	1.02	cps
Neodymium	150-2	53832	53113	52812	53252	0.98	cps
Nickel	60-2	375536	373544	373827	374302	0.29	cps
Phosphorus	31-2	20814	20183	20564	20521	1.55	cps
Potassium	39-2	2026817	2049924	2010419	2029053	0.98	cps
Rhodium	103-1	3718329	3731663	3787755	3745916	0.98	cps
Rhodium	103-2	2500619	2535042	2485811	2507157	1.01	cps
Scandium	45-1	2495319	2416098	2443173	2451530	1.64	cps
Scandium	45-2	265087	261055	260366	262170	0.97	cps
Selenium	82-1	692	693	708	697	1.25	cps
Selenium	77-2	240	293	260	264	10.19	cps
Selenium	78-2	627	710	637	658	6.92	cps
Silicon	28-1	8297863	8725687	8373789	8465780	2.70	cps
Silver	107-1	49226	50608	50267	50034	1.44	cps
Silver	109-1	46317	47715	46712	46915	1.54	cps
Sodium	23-2	3646175	3737432	3619960	3667856	1.68	cps
Strontium	86-1	639705	651215	645898	645606	0.89	cps
Strontium	88-1	5681810	5716601	5807203	5735205	1.13	cps
Sulfur	34-1	870670	892883	900640	888064	1.75	cps
Terbium	159-1	4450562	4528862	4611650	4530358	1.78	cps
Terbium	159-2	3590988	3445335	3608921	3548415	2.53	cps
Thallium	203-1	3247	3027	3090	3122	3.63	cps
Thallium	205-1	7389	7679	7682	7583	2.22	cps
Tin	118-1	406838	404694	413909	408480	1.18	cps
Titanium	47-1	670540	675551	689702	678597	1.46	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S04-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:36:30	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	60492	60105	59101	59899	1.20	cps
Vanadium	51-2	261620	260182	256448	259417	1.03	cps
Yttrium	89-1	7354875	7371846	7373166	7366629	0.14	cps
Yttrium	89-2	2278439	2253034	2212344	2247939	1.48	cps
Zinc	66-2	1077585	1068364	1056584	1067511	0.99	cps
Zirconium	90-1	260532	265280	262387	262733	0.91	cps
Zirconium	91-1	58225	58610	60504	59113	2.06	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:39:42	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8843093	8830646	8876253	8849998	0.27	cps
Antimony	121-1	8806	8846	9093	8915	1.74	cps
Arsenic	75-2	50745	50121	51195	50687	1.06	cps
Barium	135-1	1112599	1133546	1131228	1125791	1.02	cps
Barium	137-1	2011365	2038277	2033597	2027746	0.71	cps
Beryllium	9-1	6041	6235	6018	6098	1.95	cps
Bismuth	209-1	2985627	3083464	3045482	3038191	1.62	cps
Bismuth	209-2	2738963	2689803	2804271	2744346	2.09	cps
Bromine	81-1	467838	577365	635256	560153	15.18	cps
Bromine	81-2	139771	142399	142887	141686	1.18	cps
Cadmium	108-1	5274	5258	5251	5261	0.23	cps
Cadmium	106-1	9090	8936	9630	9219	3.95	cps
Cadmium	111-1	66434	67637	69477	67849	2.26	cps
Calcium	43-1	401923	400927	401776	401542	0.13	cps
Calcium	44-1	6347126	6253677	6234334	6278379	0.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3423233	3362493	3383622	3389783	0.91	cps
Cobalt	59-2	289716	292910	295082	292569	0.92	cps
Copper	63-2	5279664	5351851	5261508	5297674	0.90	cps
Dysprosium	156-1	73833	73987	74845	74222	0.73	cps
Dysprosium	156-2	73893	74061	74104	74019	0.15	cps
Erbium	164-1	70832	72404	74143	72459	2.29	cps
Erbium	164-2	56658	55162	57099	56306	1.80	cps
Gadolinium	160-1	77081	78552	80168	78600	1.96	cps
Gadolinium	160-2	64029	64940	64304	64424	0.73	cps
Holmium	165-1	4860760	4709838	4755265	4775288	1.62	cps
Holmium	165-2	3719801	3703579	3759757	3727712	0.78	cps
Indium	115-1	3774625	3808473	3767976	3783692	0.57	cps
Indium	115-2	1485862	1487021	1495804	1489562	0.36	cps
Iron	56-2	368972768	368386581	374917101	370758817	0.97	cps
Iron	57-2	8992948	9146223	9075240	9071470	0.85	cps
Iron	54-2	19864283	20528453	20700953	20364563	2.17	cps
Krypton	83-1	447	467	477	463	3.30	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:39:42	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9281735	9654415	9389167	9441772	2.03	cps
Lead	207-1	7651721	7568860	7783127	7667903	1.41	cps
Lead	208-1	35713502	36813669	36424891	36317354	1.54	cps
Lithium	6-1	668721	672223	670924	670623	0.26	cps
Magnesium	24-2	11493108	11140650	11282271	11305343	1.57	cps
Manganese	55-2	3065591	3060995	3133582	3086723	1.32	cps
Molybdenum	94-1	188756	190000	190741	189832	0.53	cps
Molybdenum	95-1	53524	52042	54187	53251	2.06	cps
Molybdenum	96-1	84821	85220	85113	85051	0.24	cps
Molybdenum	97-1	33836	33615	33833	33761	0.37	cps
Molybdenum	98-1	84989	86143	86803	85978	1.07	cps
Neodymium	150-1	120584	122930	123835	122450	1.37	cps
Neodymium	150-2	79972	79094	80723	79930	1.02	cps
Nickel	60-2	470667	465034	467097	467599	0.61	cps
Phosphorus	31-2	58963	58498	59569	59010	0.91	cps
Potassium	39-2	3591417	3600649	3616872	3602979	0.36	cps
Rhodium	103-1	3747050	3768947	3765210	3760402	0.31	cps
Rhodium	103-2	2522638	2613784	2579431	2571951	1.79	cps
Scandium	45-1	2560904	2576095	2571134	2569378	0.30	cps
Scandium	45-2	274050	273129	276225	274468	0.58	cps
Selenium	82-1	1409	1475	1499	1461	3.19	cps
Selenium	77-2	467	493	473	478	2.90	cps
Selenium	78-2	993	1100	1047	1047	5.10	cps
Silicon	28-1	9420804	9441189	9993920	9618638	3.38	cps
Silver	107-1	200899	207959	209221	206027	2.18	cps
Silver	109-1	190366	194843	196913	194041	1.72	cps
Sodium	23-2	15938079	15427738	15658617	15674811	1.63	cps
Strontium	86-1	436021	435454	441193	437556	0.72	cps
Strontium	88-1	3977722	3866889	3973880	3939497	1.60	cps
Sulfur	34-1	1957971	2033373	2038530	2009958	2.24	cps
Terbium	159-1	4740291	4799195	4815193	4784893	0.82	cps
Terbium	159-2	3581976	3616694	3561002	3586557	0.78	cps
Thallium	203-1	6775	6892	7109	6925	2.44	cps
Thallium	205-1	16363	16877	16604	16615	1.55	cps
Tin	118-1	727706	740202	742468	736792	1.08	cps
Titanium	47-1	1159491	1152807	1153681	1155327	0.31	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:39:42	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	117665	121559	117487	118904	1.94	cps
Vanadium	51-2	597015	595944	597683	596880	0.15	cps
Yttrium	89-1	7927418	7903780	7809245	7880148	0.79	cps
Yttrium	89-2	2421858	2348645	2362698	2377734	1.63	cps
Zinc	66-2	2127223	2118612	2108350	2118062	0.45	cps
Zirconium	90-1	432307	433487	432572	432789	0.14	cps
Zirconium	91-1	96452	96304	97065	96607	0.42	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-010074-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:42:45	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12645566	12824111	12562564	12677414	1.05	cps
Antimony	121-1	5248	5261	5301	5270	0.53	cps
Arsenic	75-2	133978	132096	130357	132143	1.37	cps
Barium	135-1	1248015	1261529	1278106	1262550	1.19	cps
Barium	137-1	2310029	2254815	2295018	2286621	1.25	cps
Beryllium	9-1	5124	5338	5478	5313	3.35	cps
Bismuth	209-1	3032454	3005086	3039301	3025614	0.60	cps
Bismuth	209-2	2764728	2724957	2766206	2751964	0.85	cps
Bromine	81-1	476012	608350	663271	582544	16.52	cps
Bromine	81-2	145761	147710	148329	147267	0.91	cps
Cadmium	108-1	1443	1473	1460	1459	1.03	cps
Cadmium	106-1	4684	4848	4811	4781	1.79	cps
Cadmium	111-1	20183	20700	19833	20239	2.16	cps
Calcium	43-1	462404	461060	462547	462004	0.18	cps
Calcium	44-1	7158916	7257146	7184743	7200268	0.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1768606	1804613	1755376	1776198	1.43	cps
Cobalt	59-2	320126	316039	317840	318002	0.64	cps
Copper	63-2	4400065	4374679	4346783	4373842	0.61	cps
Dysprosium	156-1	106352	105070	108253	106559	1.50	cps
Dysprosium	156-2	104230	104821	102857	103969	0.97	cps
Erbium	164-1	101563	104417	103084	103021	1.39	cps
Erbium	164-2	79914	80876	80628	80473	0.62	cps
Gadolinium	160-1	111429	111570	113359	112119	0.96	cps
Gadolinium	160-2	91731	91091	90809	91210	0.52	cps
Holmium	165-1	4687134	4728901	4865164	4760400	1.96	cps
Holmium	165-2	3737454	3802458	3779278	3773063	0.87	cps
Indium	115-1	3712593	3718557	3898607	3776586	2.80	cps
Indium	115-2	1495708	1502622	1472557	1490296	1.06	cps
Iron	56-2	531910019	524995766	525556806	527487530	0.73	cps
Iron	57-2	12860980	12956116	12777658	12864918	0.69	cps
Iron	54-2	28978893	29060663	29043474	29027677	0.15	cps
Krypton	83-1	500	603	633	579	12.08	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-010074-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:42:45	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9841602	9786810	9858731	9829047	0.38	cps
Lead	207-1	7926622	7940894	8260877	8042797	2.35	cps
Lead	208-1	37421744	37100851	38273815	37598803	1.61	cps
Lithium	6-1	701512	683477	686507	690499	1.40	cps
Magnesium	24-2	12472960	12705125	12500431	12559505	1.01	cps
Manganese	55-2	6857719	6767891	6642883	6756164	1.60	cps
Molybdenum	94-1	220751	226746	224652	224050	1.36	cps
Molybdenum	95-1	20488	21746	21489	21241	3.13	cps
Molybdenum	96-1	59551	60635	60976	60387	1.23	cps
Molybdenum	97-1	13289	13233	13396	13306	0.62	cps
Molybdenum	98-1	33322	34300	34274	33965	1.64	cps
Neodymium	150-1	165324	165180	170009	166838	1.65	cps
Neodymium	150-2	109172	107590	109680	108814	1.00	cps
Nickel	60-2	353509	355699	355451	354886	0.34	cps
Phosphorus	31-2	73793	73513	73707	73671	0.19	cps
Potassium	39-2	4848581	4827593	4945328	4873834	1.29	cps
Rhodium	103-1	3699433	3774526	3723786	3732582	1.03	cps
Rhodium	103-2	2569185	2534323	2529620	2544376	0.85	cps
Scandium	45-1	2653663	2684802	2693337	2677267	0.78	cps
Scandium	45-2	285936	286886	283314	285379	0.65	cps
Selenium	82-1	1878	1878	1840	1865	1.19	cps
Selenium	77-2	693	687	670	683	1.76	cps
Selenium	78-2	1400	1337	1293	1343	3.99	cps
Silicon	28-1	5544819	5083385	5337359	5321854	4.34	cps
Silver	107-1	103489	105927	106249	105222	1.43	cps
Silver	109-1	97720	98985	101349	99351	1.85	cps
Sodium	23-2	10150905	10256400	10029282	10145529	1.12	cps
Strontium	86-1	462225	477521	468558	469435	1.64	cps
Strontium	88-1	4179139	4297453	4140925	4205839	1.94	cps
Sulfur	34-1	2205437	2245421	2264587	2238482	1.35	cps
Terbium	159-1	4809691	4828186	4832711	4823530	0.25	cps
Terbium	159-2	3618929	3698393	3598556	3638626	1.45	cps
Thallium	203-1	8486	8489	8990	8655	3.35	cps
Thallium	205-1	20425	20619	20676	20573	0.64	cps
Tin	118-1	1414866	1416505	1434072	1421814	0.75	cps
Titanium	47-1	1147088	1138674	1146296	1144019	0.41	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S02-010074-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:42:45	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	97332	94116	98179	96542	2.22	cps
Vanadium	51-2	572004	574228	568992	571741	0.46	cps
Yttrium	89-1	8142393	8243237	8406990	8264206	1.62	cps
Yttrium	89-2	2562560	2540471	2483381	2528804	1.62	cps
Zinc	66-2	1380280	1387713	1363152	1377048	0.91	cps
Zirconium	90-1	573551	591458	588629	584546	1.65	cps
Zirconium	91-1	127449	131670	131769	130296	1.89	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:45:55	DataFile Name :	070CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7929598	7718301	7844158	7830686	1.36	cps
Antimony	121-1	2423293	2358954	2371432	2384559	1.43	cps
Arsenic	75-2	191304	191578	193890	192258	0.74	cps
Barium	135-1	2812355	2738600	2851140	2800698	2.04	cps
Barium	137-1	4716302	4872804	4801573	4796893	1.63	cps
Beryllium	9-1	446636	450197	449701	448844	0.43	cps
Bismuth	209-1	2847310	2854282	2899320	2866971	0.98	cps
Bismuth	209-2	2550802	2528680	2540895	2540126	0.44	cps
Bromine	81-1	49673	43300	39322	44099	11.84	cps
Bromine	81-2	4941	4831	4427	4733	5.71	cps
Cadmium	108-1	48163	48862	48648	48558	0.74	cps
Cadmium	106-1	67516	68658	68437	68204	0.89	cps
Cadmium	111-1	668115	660849	670832	666598	0.77	cps
Calcium	43-1	3368922	3408973	3422225	3400040	0.82	cps
Calcium	44-1	55382436	55716146	54762266	55286949	0.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1344728	1336758	1331320	1337602	0.50	cps
Cobalt	59-2	2032415	1979667	1980035	1997372	1.52	cps
Copper	63-2	15432036	15372306	15591396	15465246	0.73	cps
Dysprosium	156-1	200	207	143	183	18.98	cps
Dysprosium	156-2	333	343	240	306	18.65	cps
Erbium	164-1	320	320	227	289	18.65	cps
Erbium	164-2	257	233	203	231	11.57	cps
Gadolinium	160-1	173	150	200	174	14.34	cps
Gadolinium	160-2	370	400	403	391	4.69	cps
Holmium	165-1	4723640	4749375	4704748	4725921	0.47	cps
Holmium	165-2	3677482	3646008	3646123	3656538	0.50	cps
Indium	115-1	3732886	3663189	3797337	3731137	1.80	cps
Indium	115-2	1446509	1444637	1444431	1445193	0.08	cps
Iron	56-2	304923375	300611869	300390709	301975318	0.85	cps
Iron	57-2	7647195	7477424	7475783	7533467	1.31	cps
Iron	54-2	16703372	16593169	16607332	16634624	0.36	cps
Krypton	83-1	343	423	410	392	10.93	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:45:55	DataFile Name :	070CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9178209	9305840	9163858	9215969	0.85	cps
Lead	207-1	7731958	7729817	7783421	7748399	0.39	cps
Lead	208-1	35898121	35817125	35589333	35768193	0.45	cps
Lithium	6-1	663700	661596	659067	661454	0.35	cps
Magnesium	24-2	69800641	67293982	68213962	68436195	1.85	cps
Manganese	55-2	11036633	11030257	11009285	11025392	0.13	cps
Molybdenum	94-1	8976714	8808805	8998850	8928123	1.16	cps
Molybdenum	95-1	12759008	12584766	12558543	12634106	0.86	cps
Molybdenum	96-1	13596554	13771506	13694534	13687531	0.64	cps
Molybdenum	97-1	7735172	7705696	7860970	7767280	1.06	cps
Molybdenum	98-1	20209645	20341841	20283976	20278487	0.33	cps
Neodymium	150-1	157	167	160	161	3.16	cps
Neodymium	150-2	70	120	90	93	26.96	cps
Nickel	60-2	511632	512752	510488	511624	0.22	cps
Phosphorus	31-2	93098	90600	91391	91696	1.39	cps
Potassium	39-2	36158732	35305601	35348187	35604173	1.35	cps
Rhodium	103-1	3664922	3656518	3642868	3654770	0.30	cps
Rhodium	103-2	2441474	2497741	2405262	2448159	1.90	cps
Scandium	45-1	2393493	2403443	2391601	2396179	0.27	cps
Scandium	45-2	256735	254302	251983	254340	0.93	cps
Selenium	82-1	55306	55459	55573	55446	0.24	cps
Selenium	77-2	7005	6445	6702	6717	4.18	cps
Selenium	78-2	22587	22180	21900	22222	1.56	cps
Silicon	28-1	25011953	25660488	25514435	25395625	1.34	cps
Silver	107-1	3260525	3247480	3333414	3280473	1.41	cps
Silver	109-1	3071709	3107726	3112365	3097266	0.72	cps
Sodium	23-2	106765285	105956065	105353202	106024851	0.67	cps
Strontium	86-1	789194	801851	792715	794586	0.82	cps
Strontium	88-1	7055749	7050549	7335858	7147386	2.28	cps
Sulfur	34-1	401206	403111	395521	399946	0.99	cps
Terbium	159-1	4840241	4663944	4697686	4733957	1.98	cps
Terbium	159-2	3514303	3509440	3434632	3486125	1.28	cps
Thallium	203-1	2213913	2289778	2260350	2254681	1.70	cps
Thallium	205-1	5327327	5431766	5575392	5444828	2.29	cps
Tin	118-1	1993960	2003687	1993149	1996932	0.29	cps
Titanium	47-1	3321192	3370666	3394455	3362104	1.11	cps

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 15:45:55	DataFile Name :	070CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6761711	6733340	6725671	6740241	0.28	cps
Vanadium	51-2	1116104	1106032	1097374	1106503	0.85	cps
Yttrium	89-1	6810698	6734047	6900213	6814986	1.22	cps
Yttrium	89-2	2019435	2023735	2028455	2023875	0.22	cps
Zinc	66-2	2882582	2967346	2859012	2902980	1.96	cps
Zirconium	90-1	4405270	4374140	4439662	4406357	0.74	cps
Zirconium	91-1	958487	953060	965722	959090	0.66	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:00:21	DataFile Name :	072CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	500	477	463	480	3.87	cps
Antimony	121-1	113	170	157	147	20.20	cps
Arsenic	75-2	4	5	11	7	56.37	cps
Barium	135-1	60	27	27	38	50.93	cps
Barium	137-1	43	40	30	38	18.36	cps
Beryllium	9-1	7	10	23	13	66.12	cps
Bismuth	209-1	2879881	2906437	2868102	2884807	0.68	cps
Bismuth	209-2	2581384	2577359	2607892	2588878	0.64	cps
Bromine	81-1	9657	9813	9683	9718	0.86	cps
Bromine	81-2	440	470	440	450	3.85	cps
Cadmium	108-1	3	20	7	10	88.20	cps
Cadmium	106-1	1383	1373	1503	1420	5.09	cps
Cadmium	111-1	989	977	1081	1016	5.58	cps
Calcium	43-1	137	163	180	160	13.66	cps
Calcium	44-1	16780	16456	16539	16592	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1477	1567	1583	1542	3.72	cps
Cobalt	59-2	77	47	63	62	24.16	cps
Copper	63-2	1020	1077	1003	1033	3.72	cps
Dysprosium	156-1	7	13	10	10	33.30	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	27	20	20	22	17.33	cps
Erbium	164-2	20	7	13	13	49.99	cps
Gadolinium	160-1	30	40	10	27	57.28	cps
Gadolinium	160-2	260	200	320	260	23.08	cps
Holmium	165-1	4458226	4468767	4434664	4453886	0.39	cps
Holmium	165-2	3510604	3599190	3588076	3565957	1.35	cps
Indium	115-1	3644359	3696943	3718343	3686548	1.03	cps
Indium	115-2	1454040	1454461	1469158	1459220	0.59	cps
Iron	56-2	25088	26016	24991	25365	2.23	cps
Iron	57-2	1673	1613	1590	1626	2.64	cps
Iron	54-2	2570	2434	2380	2461	3.98	cps
Krypton	83-1	393	343	470	402	15.86	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:00:21	DataFile Name :	072CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	407	390	413	403	2.98	cps
Lead	207-1	337	233	310	293	18.29	cps
Lead	208-1	1570	1427	1460	1486	5.05	cps
Lithium	6-1	623849	619713	629634	624398	0.80	cps
Magnesium	24-2	350	303	277	310	11.97	cps
Manganese	55-2	590	623	537	583	7.49	cps
Molybdenum	94-1	200	213	153	189	16.68	cps
Molybdenum	95-1	207	233	257	232	10.77	cps
Molybdenum	96-1	243	223	270	246	9.53	cps
Molybdenum	97-1	137	140	127	134	5.16	cps
Molybdenum	98-1	293	327	360	327	10.20	cps
Neodymium	150-1	7	13	3	8	65.47	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	440	397	443	427	6.10	cps
Phosphorus	31-2	500	507	477	494	3.19	cps
Potassium	39-2	58087	57963	58120	58057	0.14	cps
Rhodium	103-1	3719224	3765876	3713487	3732862	0.77	cps
Rhodium	103-2	2486197	2504496	2446382	2479025	1.20	cps
Scandium	45-1	2285824	2346434	2289005	2307087	1.48	cps
Scandium	45-2	242263	241519	243800	242527	0.48	cps
Selenium	82-1	281	297	165	248	29.23	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	340	337	327	334	2.08	cps
Silicon	28-1	623180	637435	628475	629697	1.14	cps
Silver	107-1	60	67	87	71	19.52	cps
Silver	109-1	50	63	53	56	12.49	cps
Sodium	23-2	27912	28009	28049	27990	0.25	cps
Strontium	86-1	527	680	710	639	15.39	cps
Strontium	88-1	133	97	120	117	15.91	cps
Sulfur	34-1	162790	164734	164235	163920	0.62	cps
Terbium	159-1	4475028	4604214	4507494	4528912	1.48	cps
Terbium	159-2	3403482	3429938	3407087	3413502	0.42	cps
Thallium	203-1	210	143	193	182	19.04	cps
Thallium	205-1	530	387	433	450	16.25	cps
Tin	118-1	1247	1293	1147	1229	6.10	cps
Titanium	47-1	80	103	63	82	24.44	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:00:21	DataFile Name :	072CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	20	17	17	20.01	cps
Vanadium	51-2	30	13	17	20	44.10	cps
Yttrium	89-1	6460417	6688075	6660752	6603081	1.88	cps
Yttrium	89-2	2009303	1964756	2007927	1993995	1.27	cps
Zinc	66-2	1353	1397	1213	1321	7.25	cps
Zirconium	90-1	333	310	317	320	3.76	cps
Zirconium	91-1	63	60	77	67	13.23	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:03:44	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14760427	14868445	14865028	14831300	0.41	cps
Antimony	121-1	9103	8906	9106	9038	1.27	cps
Arsenic	75-2	99641	99195	100667	99834	0.76	cps
Barium	135-1	2847234	2910597	2862766	2873532	1.15	cps
Barium	137-1	5023263	4963584	5002811	4996553	0.61	cps
Beryllium	9-1	8336	8015	8512	8288	3.04	cps
Bismuth	209-1	3174891	3129937	3272853	3192561	2.29	cps
Bismuth	209-2	2914845	2884335	2873097	2890759	0.75	cps
Bromine	81-1	579956	765955	848475	731462	18.80	cps
Bromine	81-2	188062	192252	197621	192645	2.49	cps
Cadmium	108-1	8813	9580	9186	9193	4.17	cps
Cadmium	106-1	15098	15221	15058	15126	0.56	cps
Cadmium	111-1	124664	124981	125222	124955	0.22	cps
Calcium	43-1	1186013	1226133	1226378	1212841	1.92	cps
Calcium	44-1	19263394	19181711	19385114	19276740	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6584629	6489106	6694547	6589427	1.56	cps
Cobalt	59-2	505645	505223	507871	506246	0.28	cps
Copper	63-2	9806471	9703757	9833844	9781357	0.70	cps
Dysprosium	156-1	119637	123565	122808	122004	1.71	cps
Dysprosium	156-2	119376	121555	119622	120184	0.99	cps
Erbium	164-1	118922	118662	121641	119742	1.38	cps
Erbium	164-2	93699	93671	93884	93751	0.12	cps
Gadolinium	160-1	127347	127404	129846	128199	1.11	cps
Gadolinium	160-2	104258	104060	104467	104262	0.19	cps
Holmium	165-1	4999500	4803743	4876811	4893351	2.02	cps
Holmium	165-2	3902615	3825182	3835132	3854310	1.09	cps
Indium	115-1	3747807	3726562	3703883	3726084	0.59	cps
Indium	115-2	1493830	1495947	1502858	1497545	0.32	cps
Iron	56-2	649401057	653749377	664445083	655865172	1.18	cps
Iron	57-2	16299413	16159982	16207622	16222339	0.44	cps
Iron	54-2	37093550	35882840	36281103	36419164	1.69	cps
Krypton	83-1	573	643	527	581	10.10	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:03:44	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24165335	24585747	24455525	24402202	0.88	cps
Lead	207-1	19901199	20382601	20202670	20162157	1.21	cps
Lead	208-1	94716468	94860614	94717242	94764774	0.09	cps
Lithium	6-1	696933	688432	695013	693459	0.64	cps
Magnesium	24-2	20831054	20570898	21170147	20857366	1.44	cps
Manganese	55-2	4954250	4905528	4940165	4933314	0.51	cps
Molybdenum	94-1	317124	319904	319719	318916	0.49	cps
Molybdenum	95-1	85069	84821	85089	84993	0.18	cps
Molybdenum	96-1	136197	138473	141515	138728	1.92	cps
Molybdenum	97-1	53080	54866	52792	53579	2.10	cps
Molybdenum	98-1	135957	138949	138332	137746	1.15	cps
Neodymium	150-1	190715	194162	192583	192487	0.90	cps
Neodymium	150-2	126754	125769	126206	126243	0.39	cps
Nickel	60-2	882078	873665	884531	880091	0.65	cps
Phosphorus	31-2	120023	117920	119835	119259	0.98	cps
Potassium	39-2	5952096	5797380	5863677	5871051	1.32	cps
Rhodium	103-1	3763034	3791966	3739313	3764771	0.70	cps
Rhodium	103-2	2541165	2567623	2528161	2545650	0.79	cps
Scandium	45-1	2771549	2678174	2723957	2724560	1.71	cps
Scandium	45-2	286051	288259	289334	287881	0.58	cps
Selenium	82-1	2941	2910	3058	2970	2.62	cps
Selenium	77-2	780	853	753	796	6.51	cps
Selenium	78-2	1837	1900	1820	1852	2.28	cps
Silicon	28-1	4011532	4010852	4331300	4117895	4.49	cps
Silver	107-1	298123	302226	307942	302763	1.63	cps
Silver	109-1	287377	291542	290514	289811	0.75	cps
Sodium	23-2	28902084	29051655	28458556	28804098	1.07	cps
Strontium	86-1	1092299	1118778	1110715	1107264	1.23	cps
Strontium	88-1	10014994	9975606	10080869	10023823	0.53	cps
Sulfur	34-1	3714088	3596607	3744079	3684925	2.12	cps
Terbium	159-1	4834176	4805316	4939309	4859600	1.45	cps
Terbium	159-2	3745073	3711143	3789424	3748546	1.05	cps
Thallium	203-1	12005	11965	11722	11898	1.29	cps
Thallium	205-1	28323	28704	28577	28535	0.68	cps
Tin	118-1	1227321	1258318	1255830	1247156	1.38	cps
Titanium	47-1	1599413	1590096	1643774	1611094	1.78	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:03:44	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	231087	236609	236778	234825	1.38	cps
Vanadium	51-2	1206029	1209329	1213551	1209636	0.31	cps
Yttrium	89-1	8486821	8669534	8630572	8595642	1.12	cps
Yttrium	89-2	2617205	2627312	2647477	2630665	0.59	cps
Zinc	66-2	3963836	3870005	3986975	3940272	1.57	cps
Zirconium	90-1	730154	745263	738421	737946	1.03	cps
Zirconium	91-1	162086	165140	165260	164162	1.10	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:06:47	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11164649	11094734	10952630	11070671	0.98	cps
Antimony	121-1	8216	8699	8736	8550	3.40	cps
Arsenic	75-2	130433	129484	129043	129653	0.55	cps
Barium	135-1	1947481	2020013	1992576	1986690	1.84	cps
Barium	137-1	3407630	3511934	3473057	3464207	1.52	cps
Beryllium	9-1	4534	4594	4207	4445	4.68	cps
Bismuth	209-1	3120385	3219949	3261906	3200747	2.27	cps
Bismuth	209-2	2924128	2851390	2890177	2888565	1.26	cps
Bromine	81-1	446933	566579	607722	540411	15.46	cps
Bromine	81-2	133695	133995	135579	134423	0.75	cps
Cadmium	108-1	5424	5474	5251	5383	2.18	cps
Cadmium	106-1	9927	9887	9727	9847	1.08	cps
Cadmium	111-1	76587	77197	77205	76996	0.46	cps
Calcium	43-1	482772	485729	489300	485933	0.67	cps
Calcium	44-1	7541624	7654349	7795251	7663741	1.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6146366	6219322	6170932	6178873	0.60	cps
Cobalt	59-2	277594	275037	281303	277978	1.13	cps
Copper	63-2	8187973	8172518	8156871	8172454	0.19	cps
Dysprosium	156-1	91590	92093	94187	92623	1.49	cps
Dysprosium	156-2	91308	92623	91224	91719	0.86	cps
Erbium	164-1	89690	89971	89988	89883	0.19	cps
Erbium	164-2	69690	69167	70835	69897	1.22	cps
Gadolinium	160-1	96242	98151	99349	97914	1.60	cps
Gadolinium	160-2	80037	79035	78834	79302	0.81	cps
Holmium	165-1	4754179	4825074	4845281	4808178	1.00	cps
Holmium	165-2	3823332	3842643	3762693	3809556	1.10	cps
Indium	115-1	3839512	3804991	3761750	3802084	1.02	cps
Indium	115-2	1523214	1532843	1504260	1520106	0.96	cps
Iron	56-2	471961340	480753393	472393553	475036095	1.04	cps
Iron	57-2	11638443	11644686	11549778	11610969	0.46	cps
Iron	54-2	26723262	26038418	26147314	26302998	1.40	cps
Krypton	83-1	510	530	583	541	7.01	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:06:47	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11777573	11891544	12064546	11911221	1.21	cps
Lead	207-1	10024247	9694840	9944030	9887706	1.74	cps
Lead	208-1	45894858	46006417	46515885	46139053	0.72	cps
Lithium	6-1	676946	676859	678635	677480	0.15	cps
Magnesium	24-2	12298781	12296192	12014681	12203218	1.34	cps
Manganese	55-2	3828220	3903671	3882220	3871370	1.00	cps
Molybdenum	94-1	197520	200125	199299	198981	0.67	cps
Molybdenum	95-1	36405	37445	37438	37096	1.61	cps
Molybdenum	96-1	70328	70861	71819	71003	1.06	cps
Molybdenum	97-1	23078	23245	23082	23135	0.41	cps
Molybdenum	98-1	59601	60234	60358	60064	0.68	cps
Neodymium	150-1	145173	150544	150386	148701	2.06	cps
Neodymium	150-2	96954	96961	99247	97720	1.35	cps
Nickel	60-2	396526	392255	393661	394147	0.55	cps
Phosphorus	31-2	80232	80061	79884	80059	0.22	cps
Potassium	39-2	4554995	4511426	4526124	4530848	0.49	cps
Rhodium	103-1	3830477	3787702	3786632	3801604	0.66	cps
Rhodium	103-2	2630504	2575729	2576062	2594098	1.22	cps
Scandium	45-1	2617521	2581841	2655429	2618264	1.41	cps
Scandium	45-2	286917	283046	278254	282739	1.53	cps
Selenium	82-1	2629	2470	2543	2547	3.11	cps
Selenium	77-2	700	757	730	729	3.89	cps
Selenium	78-2	1570	1717	1417	1568	9.57	cps
Silicon	28-1	3984975	4579969	4403213	4322719	7.07	cps
Silver	107-1	256337	262198	260438	259657	1.16	cps
Silver	109-1	240947	245926	250025	245632	1.85	cps
Sodium	23-2	17630031	17443242	17585941	17553071	0.56	cps
Strontium	86-1	609272	616398	623159	616277	1.13	cps
Strontium	88-1	5486582	5562003	5532160	5526915	0.69	cps
Sulfur	34-1	2438828	2408044	2439096	2428656	0.74	cps
Terbium	159-1	4720932	4952790	4827341	4833688	2.40	cps
Terbium	159-2	3702524	3717658	3650831	3690338	0.95	cps
Thallium	203-1	12906	13503	13133	13181	2.29	cps
Thallium	205-1	30361	31457	31156	30991	1.83	cps
Tin	118-1	1147521	1163965	1167541	1159676	0.92	cps
Titanium	47-1	1083665	1097403	1082515	1087861	0.76	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:06:47	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	133363	134075	133124	133521	0.37	cps
Vanadium	51-2	645179	642380	640923	642827	0.34	cps
Yttrium	89-1	8225190	8276085	8294278	8265185	0.43	cps
Yttrium	89-2	2470324	2540585	2480382	2497097	1.52	cps
Zinc	66-2	2337387	2226679	2275463	2279843	2.43	cps
Zirconium	90-1	476836	483323	481521	480560	0.70	cps
Zirconium	91-1	107346	109509	107527	108127	1.11	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:09:56	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10766854	10737003	11084099	10862652	1.77	cps
Antimony	121-1	8069	8179	8062	8103	0.81	cps
Arsenic	75-2	100003	100795	101294	100697	0.65	cps
Barium	135-1	1803682	1785849	1798944	1796158	0.51	cps
Barium	137-1	3060687	3099527	3134774	3098329	1.20	cps
Beryllium	9-1	4357	4534	4621	4504	2.98	cps
Bismuth	209-1	3137679	3158283	3139823	3145262	0.36	cps
Bismuth	209-2	2829564	2873596	2848080	2850414	0.78	cps
Bromine	81-1	591014	734694	799807	708505	15.08	cps
Bromine	81-2	176660	179723	179722	178702	0.99	cps
Cadmium	108-1	4601	4571	4561	4577	0.46	cps
Cadmium	106-1	8309	8269	8413	8330	0.89	cps
Cadmium	111-1	64551	63590	63313	63818	1.02	cps
Calcium	43-1	331143	334838	336001	333994	0.76	cps
Calcium	44-1	5168661	5214264	5265094	5216006	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5104389	5067866	5055575	5075943	0.50	cps
Cobalt	59-2	256550	255408	258144	256701	0.54	cps
Copper	63-2	7112215	7184908	7056947	7118023	0.90	cps
Dysprosium	156-1	91429	92331	92086	91949	0.51	cps
Dysprosium	156-2	90469	90073	89516	90020	0.53	cps
Erbium	164-1	88177	89398	89552	89042	0.85	cps
Erbium	164-2	68905	70169	68333	69136	1.36	cps
Gadolinium	160-1	94909	96084	97412	96135	1.30	cps
Gadolinium	160-2	79109	78697	80067	79291	0.89	cps
Holmium	165-1	4824369	4862838	4829153	4838787	0.43	cps
Holmium	165-2	3760882	3725825	3680131	3722279	1.09	cps
Indium	115-1	3879642	3674849	3871594	3808695	3.05	cps
Indium	115-2	1508838	1505494	1497026	1503786	0.40	cps
Iron	56-2	432275554	428089274	426387954	428917594	0.71	cps
Iron	57-2	10346988	10683540	10596778	10542435	1.66	cps
Iron	54-2	24037894	23790394	23961647	23929978	0.53	cps
Krypton	83-1	533	507	623	554	11.03	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:09:56	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11817033	11865474	12352835	12011781	2.47	cps
Lead	207-1	9818543	9948543	9827631	9864906	0.74	cps
Lead	208-1	46306800	46504940	46370889	46394209	0.22	cps
Lithium	6-1	669815	665701	675610	670376	0.74	cps
Magnesium	24-2	11248164	11401222	11602638	11417341	1.56	cps
Manganese	55-2	3614251	3639788	3612007	3622015	0.43	cps
Molybdenum	94-1	190437	192432	190512	191127	0.59	cps
Molybdenum	95-1	36756	37388	36970	37038	0.87	cps
Molybdenum	96-1	70110	69166	70147	69808	0.80	cps
Molybdenum	97-1	23456	23245	23178	23293	0.62	cps
Molybdenum	98-1	60203	60481	60505	60396	0.28	cps
Neodymium	150-1	145375	146714	145593	145894	0.49	cps
Neodymium	150-2	95799	95451	95044	95432	0.40	cps
Nickel	60-2	365171	365103	363574	364616	0.25	cps
Phosphorus	31-2	69905	69446	70016	69789	0.43	cps
Potassium	39-2	4398308	4513599	4427421	4446443	1.35	cps
Rhodium	103-1	3795176	3930641	3797387	3841068	2.02	cps
Rhodium	103-2	2562570	2618854	2605064	2595496	1.13	cps
Scandium	45-1	2636426	2593389	2602946	2610920	0.87	cps
Scandium	45-2	281132	284964	278231	281443	1.20	cps
Selenium	82-1	2331	2616	2455	2467	5.79	cps
Selenium	77-2	617	640	613	623	2.33	cps
Selenium	78-2	1493	1443	1393	1443	3.46	cps
Silicon	28-1	5598640	5670993	4538799	5269477	12.03	cps
Silver	107-1	255275	259006	260806	258362	1.09	cps
Silver	109-1	243409	240796	244417	242874	0.77	cps
Sodium	23-2	17804280	17350532	18181373	17778728	2.34	cps
Strontium	86-1	479182	482934	486174	482763	0.72	cps
Strontium	88-1	4328520	4338132	4389430	4352028	0.75	cps
Sulfur	34-1	2272243	2241580	2261243	2258355	0.69	cps
Terbium	159-1	4782783	4897868	4768644	4816432	1.47	cps
Terbium	159-2	3686057	3649103	3593185	3642782	1.28	cps
Thallium	203-1	11839	12049	11809	11899	1.10	cps
Thallium	205-1	28323	28731	28670	28575	0.77	cps
Tin	118-1	1356681	1335106	1352521	1348103	0.85	cps
Titanium	47-1	954541	962639	962539	959906	0.48	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:09:56	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	134329	134449	133251	134009	0.49	cps
Vanadium	51-2	608926	605729	601551	605402	0.61	cps
Yttrium	89-1	8231972	8208481	8107311	8182588	0.81	cps
Yttrium	89-2	2514193	2543438	2496195	2517942	0.95	cps
Zinc	66-2	2199465	2150751	2206757	2185657	1.39	cps
Zirconium	90-1	460127	464077	464594	462933	0.53	cps
Zirconium	91-1	102059	104466	105245	103923	1.60	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:13:02	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14930189	14918260	15147193	14998547	0.86	cps
Antimony	121-1	6912	7272	7185	7123	2.64	cps
Arsenic	75-2	207373	206169	206648	206730	0.29	cps
Barium	135-1	3172896	3132803	3120955	3142218	0.87	cps
Barium	137-1	5308482	5401952	5355226	5355220	0.87	cps
Beryllium	9-1	6418	6315	6051	6261	3.02	cps
Bismuth	209-1	3068536	3169584	3263113	3167078	3.07	cps
Bismuth	209-2	2836717	2869892	2878404	2861671	0.77	cps
Bromine	81-1	622920	776615	844792	748109	15.19	cps
Bromine	81-2	189033	189202	191870	190035	0.84	cps
Cadmium	108-1	7345	7479	7562	7462	1.47	cps
Cadmium	106-1	12739	12762	12592	12698	0.73	cps
Cadmium	111-1	108756	107598	108723	108359	0.61	cps
Calcium	43-1	607821	620057	615653	614510	1.01	cps
Calcium	44-1	9688140	9584696	9643294	9638710	0.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5689819	5530937	5697160	5639305	1.67	cps
Cobalt	59-2	355886	352654	352290	353610	0.56	cps
Copper	63-2	9141885	9041331	9102454	9095223	0.56	cps
Dysprosium	156-1	128647	129669	130958	129758	0.89	cps
Dysprosium	156-2	129003	128410	128165	128526	0.34	cps
Erbium	164-1	123652	126034	127181	125622	1.43	cps
Erbium	164-2	101006	99263	98438	99569	1.32	cps
Gadolinium	160-1	137324	138313	138642	138093	0.50	cps
Gadolinium	160-2	112121	111816	110724	111554	0.66	cps
Holmium	165-1	4752139	4834434	4757896	4781490	0.96	cps
Holmium	165-2	3709450	3744736	3850726	3768304	1.95	cps
Indium	115-1	3793257	3746180	3765711	3768383	0.63	cps
Indium	115-2	1532202	1490274	1495268	1505915	1.52	cps
Iron	56-2	583582871	585830431	588354751	585922685	0.41	cps
Iron	57-2	14524361	14139220	14258535	14307372	1.38	cps
Iron	54-2	32289744	32057839	32179312	32175631	0.36	cps
Krypton	83-1	637	513	497	549	13.93	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:13:02	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11447047	11688273	11813690	11649670	1.60	cps
Lead	207-1	9808952	9714779	9784354	9769361	0.50	cps
Lead	208-1	44940782	44784924	45669148	45131618	1.05	cps
Lithium	6-1	681493	677934	671259	676895	0.77	cps
Magnesium	24-2	15009493	14605284	14710337	14775038	1.42	cps
Manganese	55-2	6151922	6018432	6036881	6069078	1.19	cps
Molybdenum	94-1	246671	248675	251560	248969	0.99	cps
Molybdenum	95-1	37234	37368	36850	37150	0.72	cps
Molybdenum	96-1	79947	79398	80373	79906	0.61	cps
Molybdenum	97-1	23005	23285	23386	23225	0.85	cps
Molybdenum	98-1	59876	60675	60435	60329	0.68	cps
Neodymium	150-1	202305	207100	206694	205366	1.29	cps
Neodymium	150-2	136665	134401	135172	135413	0.85	cps
Nickel	60-2	392624	389624	394893	392380	0.67	cps
Phosphorus	31-2	137942	134280	136075	136099	1.35	cps
Potassium	39-2	6167292	5964473	6151150	6094305	1.85	cps
Rhodium	103-1	3743471	3876568	3774701	3798247	1.83	cps
Rhodium	103-2	2556464	2570097	2563324	2563295	0.27	cps
Scandium	45-1	2712466	2697583	2713769	2707939	0.33	cps
Scandium	45-2	290883	289727	289071	289893	0.32	cps
Selenium	82-1	3097	3474	3454	3342	6.35	cps
Selenium	77-2	1010	977	927	971	4.32	cps
Selenium	78-2	1913	1863	1993	1923	3.41	cps
Silicon	28-1	4098950	4121801	4115162	4111971	0.29	cps
Silver	107-1	226607	230240	231095	229314	1.04	cps
Silver	109-1	215272	214130	218516	215973	1.05	cps
Sodium	23-2	21797351	21724655	21881956	21801321	0.36	cps
Strontium	86-1	779775	776943	787609	781442	0.71	cps
Strontium	88-1	7051354	7012051	7061436	7041614	0.37	cps
Sulfur	34-1	2492552	2543831	2475226	2503870	1.42	cps
Terbium	159-1	4837669	4699395	4925414	4820826	2.36	cps
Terbium	159-2	3627923	3676893	3673682	3659500	0.75	cps
Thallium	203-1	14788	14785	14828	14800	0.16	cps
Thallium	205-1	34921	35740	35914	35525	1.49	cps
Tin	118-1	1175929	1187743	1189455	1184376	0.62	cps
Titanium	47-1	1347366	1362052	1337743	1349054	0.91	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:13:02	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	143773	147321	148283	146459	1.62	cps
Vanadium	51-2	793052	782143	786823	787339	0.70	cps
Yttrium	89-1	8690238	8742958	8726053	8719749	0.31	cps
Yttrium	89-2	2668083	2640761	2613374	2640739	1.04	cps
Zinc	66-2	2379141	2390909	2418900	2396316	0.85	cps
Zirconium	90-1	619556	624503	622900	622319	0.41	cps
Zirconium	91-1	139547	138692	137659	138633	0.68	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:16:20	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14247628	14214073	14291029	14250910	0.27	cps
Antimony	121-1	11808	12142	12199	12050	1.75	cps
Arsenic	75-2	135786	131925	134672	134128	1.48	cps
Barium	135-1	1746646	1819782	1826186	1797538	2.46	cps
Barium	137-1	3058274	3093355	3129247	3093625	1.15	cps
Beryllium	9-1	5981	5891	5978	5950	0.86	cps
Bismuth	209-1	2943982	3052017	3063339	3019779	2.18	cps
Bismuth	209-2	2733344	2741814	2725165	2733441	0.30	cps
Bromine	81-1	790296	971663	1076807	946255	15.32	cps
Bromine	81-2	241901	244787	242114	242934	0.66	cps
Cadmium	108-1	8926	8899	8406	8744	3.35	cps
Cadmium	106-1	14831	14594	14651	14692	0.84	cps
Cadmium	111-1	124096	126658	127211	125988	1.32	cps
Calcium	43-1	773300	782384	778674	778120	0.59	cps
Calcium	44-1	12218607	12253998	12078421	12183675	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8600306	8405611	8221149	8409022	2.25	cps
Cobalt	59-2	372954	371486	370847	371762	0.29	cps
Copper	63-2	10260087	10532320	10325654	10372687	1.37	cps
Dysprosium	156-1	114869	116694	117268	116277	1.08	cps
Dysprosium	156-2	116365	114690	116193	115749	0.80	cps
Erbium	164-1	112712	114005	115360	114026	1.16	cps
Erbium	164-2	89719	88854	89246	89273	0.49	cps
Gadolinium	160-1	122104	123920	124095	123373	0.89	cps
Gadolinium	160-2	99974	100652	100625	100417	0.38	cps
Holmium	165-1	4615781	4667900	4754007	4679229	1.49	cps
Holmium	165-2	3741381	3746737	3781832	3756650	0.58	cps
Indium	115-1	3640916	3737813	3716332	3698354	1.38	cps
Indium	115-2	1475052	1469862	1468106	1471007	0.25	cps
Iron	56-2	583211831	594538391	585645138	587798453	1.01	cps
Iron	57-2	14764567	14505930	14339249	14536582	1.47	cps
Iron	54-2	32263928	32468695	32800290	32510971	0.83	cps
Krypton	83-1	567	653	533	584	10.60	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:16:20	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10474288	11017757	10644867	10712304	2.59	cps
Lead	207-1	8798799	8864261	8635408	8766156	1.34	cps
Lead	208-1	40696093	41864702	40840647	41133814	1.55	cps
Lithium	6-1	649866	662407	656317	656196	0.96	cps
Magnesium	24-2	15910149	15654899	15603329	15722792	1.04	cps
Manganese	55-2	4924023	4889587	4926515	4913375	0.42	cps
Molybdenum	94-1	263702	268188	267198	266363	0.88	cps
Molybdenum	95-1	57218	57878	57529	57542	0.57	cps
Molybdenum	96-1	102624	103715	102040	102793	0.83	cps
Molybdenum	97-1	36375	35974	35323	35891	1.48	cps
Molybdenum	98-1	92736	93619	91579	92644	1.10	cps
Neodymium	150-1	192310	194517	193912	193580	0.59	cps
Neodymium	150-2	126122	124351	126633	125702	0.95	cps
Nickel	60-2	654524	650818	646085	650475	0.65	cps
Phosphorus	31-2	158411	157858	156128	157466	0.76	cps
Potassium	39-2	6090481	6126868	5962718	6060022	1.42	cps
Rhodium	103-1	3668923	3702784	3661326	3677678	0.60	cps
Rhodium	103-2	2498443	2521322	2502777	2507514	0.48	cps
Scandium	45-1	2661917	2618404	2629125	2636482	0.86	cps
Scandium	45-2	287187	284241	282938	284789	0.76	cps
Selenium	82-1	2489	2389	2614	2497	4.51	cps
Selenium	77-2	870	887	883	880	1.00	cps
Selenium	78-2	1613	1560	1443	1539	5.65	cps
Silicon	28-1	4450328	4476166	4167343	4364612	3.93	cps
Silver	107-1	216371	220366	222453	219730	1.41	cps
Silver	109-1	203811	206926	203884	204874	0.87	cps
Sodium	23-2	29010277	29223283	28980898	29071486	0.46	cps
Strontium	86-1	1137043	1139407	1134949	1137133	0.20	cps
Strontium	88-1	10089022	10439435	10191013	10239823	1.76	cps
Sulfur	34-1	3125192	3167970	3130390	3141184	0.74	cps
Terbium	159-1	4656978	4866397	4762655	4762010	2.20	cps
Terbium	159-2	3590632	3641611	3610423	3614222	0.71	cps
Thallium	203-1	12222	12506	12279	12336	1.22	cps
Thallium	205-1	28921	29201	29536	29219	1.05	cps
Tin	118-1	1103012	1111946	1122493	1112483	0.88	cps
Titanium	47-1	1774060	1820871	1762712	1785881	1.73	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:16:20	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	162478	166141	164259	164292	1.11	cps
Vanadium	51-2	1312133	1304961	1291918	1303004	0.79	cps
Yttrium	89-1	8274912	8589850	8439366	8434709	1.87	cps
Yttrium	89-2	2575259	2572146	2517192	2554866	1.28	cps
Zinc	66-2	2871537	2803478	2834720	2836578	1.20	cps
Zirconium	90-1	635651	635761	635152	635521	0.05	cps
Zirconium	91-1	142835	139497	141469	141267	1.19	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:19:36	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8392542	8240388	8370058	8334329	0.99	cps
Antimony	121-1	2974	3190	3020	3061	3.73	cps
Arsenic	75-2	29080	29486	28479	29015	1.75	cps
Barium	135-1	448580	464351	466600	459844	2.14	cps
Barium	137-1	776603	800557	808748	795302	2.10	cps
Beryllium	9-1	5054	5238	5034	5109	2.19	cps
Bismuth	209-1	2911890	2867956	2881983	2887277	0.78	cps
Bismuth	209-2	2656069	2662636	2620272	2646326	0.86	cps
Bromine	81-1	439305	526512	574446	513421	13.34	cps
Bromine	81-2	127055	127918	129189	128054	0.84	cps
Cadmium	108-1	1240	1093	1133	1156	6.56	cps
Cadmium	106-1	3734	3564	3784	3694	3.12	cps
Cadmium	111-1	12326	12530	12780	12545	1.81	cps
Calcium	43-1	560748	561615	557093	559819	0.43	cps
Calcium	44-1	8974053	8986048	8802421	8920841	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1130488	1119886	1131347	1127240	0.57	cps
Cobalt	59-2	281340	281270	284900	282503	0.73	cps
Copper	63-2	2750657	2741527	2740673	2744286	0.20	cps
Dysprosium	156-1	69893	72315	71213	71141	1.70	cps
Dysprosium	156-2	69280	69595	70794	69890	1.14	cps
Erbium	164-1	66554	69023	68105	67894	1.84	cps
Erbium	164-2	54068	53187	53348	53534	0.88	cps
Gadolinium	160-1	72058	75013	74752	73941	2.21	cps
Gadolinium	160-2	61220	60828	60734	60927	0.42	cps
Holmium	165-1	4646949	4839295	4800750	4762331	2.14	cps
Holmium	165-2	3779735	3707868	3729428	3739010	0.99	cps
Indium	115-1	3759950	3819504	3736714	3772056	1.13	cps
Indium	115-2	1491327	1481605	1488646	1487193	0.34	cps
Iron	56-2	350381915	350685315	355998835	352355355	0.90	cps
Iron	57-2	8609499	8589672	8704229	8634467	0.71	cps
Iron	54-2	19376448	19091904	19615018	19361123	1.35	cps
Krypton	83-1	420	520	473	471	10.62	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:19:36	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6886686	6959149	7013168	6953001	0.91	cps
Lead	207-1	5806855	5685964	5779172	5757330	1.10	cps
Lead	208-1	26402991	26874783	27088165	26788646	1.31	cps
Lithium	6-1	645778	652841	652892	650504	0.63	cps
Magnesium	24-2	16653738	16984711	16458699	16699049	1.59	cps
Manganese	55-2	3704637	3753374	3671996	3710002	1.10	cps
Molybdenum	94-1	184994	186852	183527	185125	0.90	cps
Molybdenum	95-1	47447	47547	48641	47878	1.38	cps
Molybdenum	96-1	78791	79756	79056	79201	0.63	cps
Molybdenum	97-1	30071	30104	30145	30107	0.12	cps
Molybdenum	98-1	78125	77977	76301	77468	1.31	cps
Neodymium	150-1	113015	115445	115247	114569	1.18	cps
Neodymium	150-2	75099	75850	74593	75180	0.84	cps
Nickel	60-2	502413	503683	513193	506430	1.16	cps
Phosphorus	31-2	28113	28540	28674	28442	1.03	cps
Potassium	39-2	3685504	3609989	3637118	3644203	1.05	cps
Rhodium	103-1	3756121	3786544	3787965	3776877	0.48	cps
Rhodium	103-2	2552008	2554657	2479705	2528790	1.68	cps
Scandium	45-1	2536744	2518021	2555509	2536758	0.74	cps
Scandium	45-2	274727	273258	271226	273071	0.64	cps
Selenium	82-1	959	916	963	946	2.75	cps
Selenium	77-2	420	413	413	416	0.93	cps
Selenium	78-2	837	850	900	862	3.87	cps
Silicon	28-1	3670886	3801673	3917382	3796647	3.25	cps
Silver	107-1	91245	93254	94143	92881	1.60	cps
Silver	109-1	85688	88592	87868	87383	1.73	cps
Sodium	23-2	16657187	16690679	16176711	16508193	1.74	cps
Strontium	86-1	310082	310214	311700	310665	0.29	cps
Strontium	88-1	2811725	2736506	2836216	2794816	1.86	cps
Sulfur	34-1	1542262	1568886	1585516	1565555	1.39	cps
Terbium	159-1	4724256	4811137	4784023	4773138	0.93	cps
Terbium	159-2	3639377	3569958	3570165	3593167	1.11	cps
Thallium	203-1	7682	8102	8259	8015	3.72	cps
Thallium	205-1	18800	19164	19157	19040	1.09	cps
Tin	118-1	667378	679697	678080	675051	0.99	cps
Titanium	47-1	943966	958624	953142	951911	0.78	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:19:36	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	79593	82715	79580	80629	2.24	cps
Vanadium	51-2	385060	385186	388295	386180	0.47	cps
Yttrium	89-1	7818521	7701472	7686882	7735625	0.93	cps
Yttrium	89-2	2383548	2394193	2391552	2389764	0.23	cps
Zinc	66-2	1338721	1329228	1329234	1332394	0.41	cps
Zirconium	90-1	433729	429485	429413	430876	0.57	cps
Zirconium	91-1	96251	96069	96821	96380	0.41	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 16:25:45	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1697579	1741629	1716086	1718431	1.29	cps
Antimony	121-1	653	733	653	680	6.79	cps
Arsenic	75-2	6022	6028	6049	6033	0.24	cps
Barium	135-1	92122	92646	91351	92040	0.71	cps
Barium	137-1	160885	161598	163104	161863	0.70	cps
Beryllium	9-1	1003	1047	1050	1033	2.52	cps
Bismuth	209-1	2873097	2870668	2958988	2900918	1.73	cps
Bismuth	209-2	2658650	2678504	2622416	2653190	1.07	cps
Bromine	81-1	134219	146159	149365	143247	5.57	cps
Bromine	81-2	29710	29573	29252	29512	0.80	cps
Cadmium	108-1	240	213	217	223	6.50	cps
Cadmium	106-1	2100	2130	2184	2138	1.97	cps
Cadmium	111-1	3492	3489	3637	3539	2.39	cps
Calcium	43-1	114982	114948	116440	115457	0.74	cps
Calcium	44-1	1832536	1839641	1828483	1833553	0.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	232087	230456	231223	231255	0.35	cps
Cobalt	59-2	57851	57343	58125	57773	0.69	cps
Copper	63-2	553117	552960	545969	550682	0.74	cps
Dysprosium	156-1	14451	14241	14344	14345	0.73	cps
Dysprosium	156-2	14264	14171	14281	14238	0.42	cps
Erbium	164-1	13417	13597	13617	13543	0.81	cps
Erbium	164-2	10898	11074	10561	10844	2.41	cps
Gadolinium	160-1	14911	14975	14811	14899	0.55	cps
Gadolinium	160-2	12552	12526	12426	12501	0.53	cps
Holmium	165-1	4587930	4551215	4748650	4629265	2.27	cps
Holmium	165-2	3669780	3641224	3800571	3703858	2.29	cps
Indium	115-1	3657975	3813613	3906413	3792667	3.31	cps
Indium	115-2	1526250	1573522	1535284	1545019	1.62	cps
Iron	56-2	71066892	72234059	72204349	71835100	0.93	cps
Iron	57-2	1779487	1780754	1758697	1772980	0.70	cps
Iron	54-2	4001506	3921059	3959868	3960811	1.02	cps
Krypton	83-1	413	390	397	400	3.00	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 16:25:45	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1299296	1285584	1286703	1290527	0.59	cps
Lead	207-1	1073008	1065474	1068899	1069127	0.35	cps
Lead	208-1	5201322	5252435	5287144	5246967	0.82	cps
Lithium	6-1	628918	639418	653984	640773	1.96	cps
Magnesium	24-2	3406322	3381116	3424527	3403988	0.64	cps
Manganese	55-2	751277	750692	759972	753980	0.69	cps
Molybdenum	94-1	37124	38059	38507	37897	1.86	cps
Molybdenum	95-1	9907	10060	9787	9918	1.38	cps
Molybdenum	96-1	16339	16376	16726	16481	1.30	cps
Molybdenum	97-1	6211	6442	6211	6288	2.11	cps
Molybdenum	98-1	15662	16186	15809	15885	1.70	cps
Neodymium	150-1	22662	22678	22842	22727	0.44	cps
Neodymium	150-2	15195	15212	15265	15224	0.24	cps
Nickel	60-2	105153	106019	105713	105628	0.42	cps
Phosphorus	31-2	6275	5935	6445	6218	4.18	cps
Potassium	39-2	808803	811013	819804	813207	0.72	cps
Rhodium	103-1	3733453	3870901	3836881	3813745	1.88	cps
Rhodium	103-2	2607520	2590098	2559728	2585782	0.94	cps
Scandium	45-1	2360995	2431863	2449143	2414000	1.93	cps
Scandium	45-2	265546	263515	262144	263735	0.65	cps
Selenium	82-1	392	389	426	402	5.07	cps
Selenium	77-2	90	83	93	89	5.73	cps
Selenium	78-2	473	507	400	460	11.86	cps
Silicon	28-1	1435608	1457663	1455934	1449735	0.85	cps
Silver	107-1	18669	19023	18739	18810	1.00	cps
Silver	109-1	17841	17965	18822	18209	2.94	cps
Sodium	23-2	3346773	3356431	3271022	3324742	1.41	cps
Strontium	86-1	63704	63875	64936	64172	1.04	cps
Strontium	88-1	555480	557511	562917	558636	0.69	cps
Sulfur	34-1	428030	429765	433816	430537	0.69	cps
Terbium	159-1	4629394	4600252	4904853	4711500	3.57	cps
Terbium	159-2	3583421	3568569	3593843	3581944	0.35	cps
Thallium	203-1	1810	2040	1873	1908	6.23	cps
Thallium	205-1	4351	4207	4404	4321	2.35	cps
Tin	118-1	137248	138408	137981	137879	0.43	cps
Titanium	47-1	194891	196614	196210	195905	0.46	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 16:25:45	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16988	16604	16734	16775	1.16	cps
Vanadium	51-2	78687	77732	77300	77907	0.91	cps
Yttrium	89-1	6942940	6977386	7057511	6992612	0.84	cps
Yttrium	89-2	2160504	2117271	2165916	2147897	1.24	cps
Zinc	66-2	281105	278310	278551	279322	0.55	cps
Zirconium	90-1	86541	87737	86477	86918	0.82	cps
Zirconium	91-1	18856	19430	19657	19314	2.14	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MSD	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:31:54	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10223795	9946818	9600717	9923777	3.15	cps
Antimony	121-1	2225257	2215044	2233974	2224758	0.43	cps
Arsenic	75-2	223614	221022	220742	221793	0.71	cps
Barium	135-1	2930754	2936871	2896060	2921228	0.75	cps
Barium	137-1	4970217	5133389	5040619	5048075	1.62	cps
Beryllium	9-1	397663	403261	395837	398920	0.97	cps
Bismuth	209-1	2914492	2925127	2958197	2932605	0.78	cps
Bismuth	209-2	2677339	2599315	2670060	2648905	1.63	cps
Bromine	81-1	423015	525118	584893	511008	16.02	cps
Bromine	81-2	129838	132383	133521	131914	1.43	cps
Cadmium	108-1	45254	46193	45779	45742	1.03	cps
Cadmium	106-1	65605	67305	67302	66737	1.47	cps
Cadmium	111-1	644043	652750	648113	648302	0.67	cps
Calcium	43-1	1221373	1222371	1226642	1223462	0.23	cps
Calcium	44-1	19748574	19677563	19295259	19573799	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2611263	2634391	2519629	2588428	2.34	cps
Cobalt	59-2	2213476	2147442	2216113	2192344	1.77	cps
Copper	63-2	16907413	16600367	16474322	16660701	1.34	cps
Dysprosium	156-1	72154	72750	74245	73050	1.47	cps
Dysprosium	156-2	72138	71340	71501	71660	0.59	cps
Erbium	164-1	71580	71753	71854	71729	0.19	cps
Erbium	164-2	56008	54610	53803	54807	2.04	cps
Gadolinium	160-1	76494	78375	77556	77475	1.22	cps
Gadolinium	160-2	63453	62733	62619	62935	0.72	cps
Holmium	165-1	4678918	4814761	4744094	4745924	1.43	cps
Holmium	165-2	3764047	3616423	3697364	3692611	2.00	cps
Indium	115-1	3709263	3613039	3698056	3673453	1.43	cps
Indium	115-2	1453091	1448470	1422316	1441292	1.15	cps
Iron	56-2	411862047	409217181	411855487	410978238	0.37	cps
Iron	57-2	10284033	10031517	10178088	10164546	1.25	cps
Iron	54-2	22990965	22731827	22694419	22805737	0.71	cps
Krypton	83-1	490	477	557	508	8.44	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MSD	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:31:54	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13436139	13686055	13511924	13544706	0.95	cps
Lead	207-1	11636943	11405844	11190928	11411238	1.95	cps
Lead	208-1	52998039	52898208	52877599	52924616	0.12	cps
Lithium	6-1	640098	652310	653786	648731	1.16	cps
Magnesium	24-2	30119771	30332561	29799536	30083956	0.89	cps
Manganese	55-2	13751995	13525505	13559508	13612336	0.90	cps
Molybdenum	94-1	4090452	4252059	4054930	4132480	2.54	cps
Molybdenum	95-1	4363083	4367673	4372262	4367673	0.11	cps
Molybdenum	96-1	4909075	4934432	4844986	4896165	0.94	cps
Molybdenum	97-1	2666950	2652163	2683378	2667497	0.59	cps
Molybdenum	98-1	6923940	6912272	6997433	6944548	0.66	cps
Neodymium	150-1	115973	117817	118016	117268	0.96	cps
Neodymium	150-2	75564	76560	74847	75657	1.14	cps
Nickel	60-2	1009000	1000731	991280	1000337	0.89	cps
Phosphorus	31-2	31576	31419	30784	31260	1.34	cps
Potassium	39-2	10032253	10017365	9948706	9999441	0.45	cps
Rhodium	103-1	3719979	3691275	3596251	3669168	1.76	cps
Rhodium	103-2	2492320	2495794	2431632	2473248	1.46	cps
Scandium	45-1	2503839	2517545	2431317	2484234	1.87	cps
Scandium	45-2	270087	271549	266963	269533	0.87	cps
Selenium	82-1	53687	53829	54011	53842	0.30	cps
Selenium	77-2	7045	6902	6742	6896	2.20	cps
Selenium	78-2	21980	22137	22036	22051	0.36	cps
Silicon	28-1	3621131	4178755	4309356	4036414	9.06	cps
Silver	107-1	599982	615114	610364	608487	1.27	cps
Silver	109-1	564930	572612	574981	570841	0.92	cps
Sodium	23-2	38670070	38556795	37444099	38223655	1.77	cps
Strontium	86-1	1172645	1195481	1194493	1187540	1.09	cps
Strontium	88-1	10598680	10657493	10807529	10687900	1.01	cps
Sulfur	34-1	1797352	1818665	1787290	1801102	0.89	cps
Terbium	159-1	4735747	4768532	4943515	4815931	2.32	cps
Terbium	159-2	3567743	3558241	3537981	3554655	0.43	cps
Thallium	203-1	2086420	2129002	2076414	2097279	1.33	cps
Thallium	205-1	5019309	5061135	5022285	5034243	0.46	cps
Tin	118-1	2166755	2172391	2244240	2194462	1.97	cps
Titanium	47-1	929045	946582	933286	936304	0.98	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MSD	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:31:54	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6223250	6307748	6373311	6301436	1.19	cps
Vanadium	51-2	1468614	1447302	1469934	1461950	0.87	cps
Yttrium	89-1	7715883	7676693	7529209	7640595	1.29	cps
Yttrium	89-2	2412533	2334935	2313400	2353623	2.22	cps
Zinc	66-2	3947750	3924250	3915252	3929084	0.43	cps
Zirconium	90-1	4442732	4367246	4314356	4374778	1.47	cps
Zirconium	91-1	946083	958808	949693	951528	0.69	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:40:27	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8656513	8717808	8446197	8606839	1.66	cps
Antimony	121-1	4097	4397	4084	4193	4.23	cps
Arsenic	75-2	29524	29764	29756	29681	0.46	cps
Barium	135-1	509720	514532	516984	513745	0.72	cps
Barium	137-1	882572	906034	887456	892020	1.39	cps
Beryllium	9-1	5171	4961	5264	5132	3.03	cps
Bismuth	209-1	3086732	3119323	3063360	3089805	0.91	cps
Bismuth	209-2	2801462	2780703	2781191	2787785	0.42	cps
Bromine	81-1	389449	495993	553287	479576	17.34	cps
Bromine	81-2	121861	124479	126274	124205	1.79	cps
Cadmium	108-1	1297	1210	1270	1259	3.53	cps
Cadmium	106-1	3941	3781	3637	3786	4.01	cps
Cadmium	111-1	13429	12920	13235	13195	1.94	cps
Calcium	43-1	578008	573914	577575	576499	0.39	cps
Calcium	44-1	9192113	8934083	8948280	9024825	1.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1164426	1171014	1159090	1164843	0.51	cps
Cobalt	59-2	294430	292447	289524	292133	0.84	cps
Copper	63-2	2843910	2851176	2739941	2811676	2.21	cps
Dysprosium	156-1	74556	74151	74841	74516	0.47	cps
Dysprosium	156-2	75301	75009	74613	74975	0.46	cps
Erbium	164-1	70447	72420	71077	71315	1.41	cps
Erbium	164-2	57217	56919	55902	56679	1.22	cps
Gadolinium	160-1	77557	78881	78485	78307	0.87	cps
Gadolinium	160-2	65573	64595	64773	64980	0.80	cps
Holmium	165-1	4868233	4924449	4918921	4903868	0.63	cps
Holmium	165-2	3910126	3883457	3798856	3864146	1.50	cps
Indium	115-1	3963909	3946264	3890111	3933428	0.98	cps
Indium	115-2	1563534	1536431	1524187	1541384	1.31	cps
Iron	56-2	372168768	363559955	362757541	366162088	1.42	cps
Iron	57-2	8998463	8945103	8912582	8952050	0.48	cps
Iron	54-2	19907625	20014421	19819207	19913751	0.49	cps
Krypton	83-1	417	553	527	499	14.52	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:40:27	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7319317	7303860	7363268	7328815	0.42	cps
Lead	207-1	6189109	6229070	6109922	6176034	0.98	cps
Lead	208-1	28257732	28575914	28372394	28402013	0.57	cps
Lithium	6-1	669237	667700	670109	669015	0.18	cps
Magnesium	24-2	17318221	16985700	17233623	17179181	1.01	cps
Manganese	55-2	3843326	3890794	3780598	3838239	1.44	cps
Molybdenum	94-1	193128	192528	198824	194827	1.78	cps
Molybdenum	95-1	49704	50554	50433	50230	0.92	cps
Molybdenum	96-1	83521	82364	83671	83185	0.86	cps
Molybdenum	97-1	30582	30228	31598	30803	2.31	cps
Molybdenum	98-1	80879	80906	83853	81879	2.09	cps
Neodymium	150-1	119629	123418	119700	120916	1.79	cps
Neodymium	150-2	80130	79013	78906	79350	0.85	cps
Nickel	60-2	525138	519023	520499	521553	0.61	cps
Phosphorus	31-2	28697	29268	28346	28770	1.62	cps
Potassium	39-2	3822809	3715589	3791604	3776667	1.46	cps
Rhodium	103-1	3814757	3704276	3834354	3784462	1.85	cps
Rhodium	103-2	2641751	2590396	2593326	2608491	1.11	cps
Scandium	45-1	2574834	2537473	2566692	2559666	0.77	cps
Scandium	45-2	275379	277072	277486	276646	0.40	cps
Selenium	82-1	878	854	826	853	3.05	cps
Selenium	77-2	453	447	467	456	2.24	cps
Selenium	78-2	667	763	813	748	9.97	cps
Silicon	28-1	12632030	12681691	12989261	12767661	1.52	cps
Silver	107-1	92566	93730	95364	93887	1.50	cps
Silver	109-1	87083	90323	90430	89279	2.13	cps
Sodium	23-2	17210691	16973756	17005331	17063259	0.75	cps
Strontium	86-1	314979	322962	327760	321900	2.01	cps
Strontium	88-1	2847355	2917542	2936514	2900470	1.62	cps
Sulfur	34-1	1689239	1669097	1669291	1675876	0.69	cps
Terbium	159-1	4935947	4763424	4911950	4870441	1.92	cps
Terbium	159-2	3737055	3754405	3737167	3742876	0.27	cps
Thallium	203-1	7212	7009	6952	7057	1.94	cps
Thallium	205-1	17131	17101	16774	17002	1.16	cps
Tin	118-1	764459	774863	776246	771856	0.83	cps
Titanium	47-1	1044683	1049804	1044595	1046361	0.29	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:40:27	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	87039	88184	87986	87737	0.70	cps
Vanadium	51-2	399816	395700	390954	395490	1.12	cps
Yttrium	89-1	7889011	7842762	7824128	7851967	0.43	cps
Yttrium	89-2	2460330	2468654	2421515	2450167	1.03	cps
Zinc	66-2	1383940	1375809	1374902	1378217	0.36	cps
Zirconium	90-1	447681	453954	463995	455210	1.81	cps
Zirconium	91-1	99666	99908	103596	101056	2.18	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MS	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:43:37	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10052944	10248144	10179387	10160158	0.97	cps
Antimony	121-1	2232187	2293035	2283649	2269623	1.44	cps
Arsenic	75-2	229479	226810	229014	228434	0.62	cps
Barium	135-1	2941459	2963680	2977075	2960738	0.61	cps
Barium	137-1	5129760	5147890	5172174	5149941	0.41	cps
Beryllium	9-1	403943	411397	418031	411124	1.71	cps
Bismuth	209-1	3072538	2999176	3073912	3048542	1.40	cps
Bismuth	209-2	2743667	2716549	2720878	2727031	0.53	cps
Bromine	81-1	412001	511139	569492	497544	16.00	cps
Bromine	81-2	129273	130477	132538	130763	1.26	cps
Cadmium	108-1	46631	48029	48100	47587	1.74	cps
Cadmium	106-1	68594	69492	70008	69365	1.03	cps
Cadmium	111-1	661123	673172	681283	671860	1.51	cps
Calcium	43-1	1256922	1295883	1324155	1292320	2.61	cps
Calcium	44-1	20306981	20355178	20809520	20490560	1.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2647468	2651691	2670263	2656474	0.46	cps
Cobalt	59-2	2256200	2270484	2284348	2270344	0.62	cps
Copper	63-2	17393368	17127600	17078639	17199869	0.98	cps
Dysprosium	156-1	73937	74714	76031	74894	1.41	cps
Dysprosium	156-2	73384	72824	74969	73726	1.51	cps
Erbium	164-1	72149	73774	75282	73735	2.13	cps
Erbium	164-2	57003	56477	57066	56849	0.57	cps
Gadolinium	160-1	78636	80014	79484	79378	0.88	cps
Gadolinium	160-2	65007	65358	64792	65052	0.44	cps
Holmium	165-1	4852944	4960097	4980151	4931064	1.39	cps
Holmium	165-2	3860925	3827545	3808292	3832254	0.69	cps
Indium	115-1	3835245	3795620	3782806	3804557	0.72	cps
Indium	115-2	1509291	1503790	1506268	1506450	0.18	cps
Iron	56-2	424916274	427542967	428713287	427057509	0.46	cps
Iron	57-2	10472307	10583357	10313664	10456443	1.30	cps
Iron	54-2	23871782	23531179	23453516	23618826	0.94	cps
Krypton	83-1	443	493	513	483	7.46	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MS	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:43:37	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13895551	14054891	14048187	13999543	0.64	cps
Lead	207-1	11396631	11501529	11884811	11594324	2.22	cps
Lead	208-1	53377985	54023970	54106723	53836226	0.74	cps
Lithium	6-1	674873	687787	688630	683763	1.13	cps
Magnesium	24-2	30654022	31559763	31420085	31211290	1.56	cps
Manganese	55-2	13970422	14079071	14109994	14053162	0.52	cps
Molybdenum	94-1	4108343	4158914	4204083	4157113	1.15	cps
Molybdenum	95-1	4385997	4396240	4586905	4456381	2.54	cps
Molybdenum	96-1	4897735	5038615	5115226	5017192	2.20	cps
Molybdenum	97-1	2649619	2670938	2743233	2687930	1.83	cps
Molybdenum	98-1	7099110	7128297	7109611	7112339	0.21	cps
Neodymium	150-1	120114	120044	121865	120674	0.86	cps
Neodymium	150-2	78588	79275	78045	78636	0.78	cps
Nickel	60-2	1041731	1045777	1032933	1040147	0.63	cps
Phosphorus	31-2	31887	31756	31837	31826	0.21	cps
Potassium	39-2	10288547	10287278	10456612	10344146	0.94	cps
Rhodium	103-1	3779351	3707609	3781158	3756039	1.12	cps
Rhodium	103-2	2566044	2580501	2543744	2563430	0.72	cps
Scandium	45-1	2646264	2518876	2611369	2592170	2.54	cps
Scandium	45-2	277534	277790	278624	277983	0.20	cps
Selenium	82-1	53857	54913	55586	54786	1.59	cps
Selenium	77-2	6848	6965	7155	6989	2.22	cps
Selenium	78-2	22587	23258	23068	22971	1.50	cps
Silicon	28-1	3621478	3739706	3866133	3742439	3.27	cps
Silver	107-1	615850	623233	626398	621827	0.87	cps
Silver	109-1	581694	589399	595892	588995	1.21	cps
Sodium	23-2	39019878	40068274	39890948	39659700	1.41	cps
Strontium	86-1	1205893	1215481	1241162	1220845	1.49	cps
Strontium	88-1	11081867	11210279	11182131	11158092	0.60	cps
Sulfur	34-1	1916711	1842209	1842424	1867115	2.30	cps
Terbium	159-1	4838476	4830571	5008934	4892660	2.06	cps
Terbium	159-2	3705941	3762742	3704139	3724274	0.89	cps
Thallium	203-1	2130017	2180762	2167104	2159294	1.22	cps
Thallium	205-1	4935363	5168341	5315382	5139696	3.73	cps
Tin	118-1	2287501	2305427	2289074	2294000	0.43	cps
Titanium	47-1	953112	969348	972209	964890	1.07	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05MS	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:43:37	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6534329	6427237	6466340	6475969	0.84	cps
Vanadium	51-2	1515852	1488655	1507485	1503997	0.93	cps
Yttrium	89-1	7903421	7960006	8013737	7959055	0.69	cps
Yttrium	89-2	2435519	2402964	2434345	2424276	0.76	cps
Zinc	66-2	4099077	4083834	4069503	4084138	0.36	cps
Zirconium	90-1	4403952	4525513	4476320	4468595	1.37	cps
Zirconium	91-1	960266	978311	994776	977785	1.77	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:46:31	DataFile Name :	086CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7899257	8017734	7928794	7948595	0.78	cps
Antimony	121-1	2389684	2482185	2502059	2457976	2.44	cps
Arsenic	75-2	199171	197220	197960	198117	0.50	cps
Barium	135-1	2928488	2932394	2937000	2932627	0.15	cps
Barium	137-1	4970660	4959936	5013866	4981487	0.57	cps
Beryllium	9-1	439899	443727	439012	440879	0.57	cps
Bismuth	209-1	2936136	3002027	2939570	2959244	1.25	cps
Bismuth	209-2	2701231	2599000	2609325	2636519	2.13	cps
Bromine	81-1	42521	38430	35309	38753	9.33	cps
Bromine	81-2	4331	4461	3907	4233	6.84	cps
Cadmium	108-1	48845	50046	50099	49664	1.43	cps
Cadmium	106-1	70082	70229	70155	70155	0.11	cps
Cadmium	111-1	680382	681687	691539	684536	0.89	cps
Calcium	43-1	3365896	3420631	3428330	3404953	1.00	cps
Calcium	44-1	55260791	53958419	55319536	54846249	1.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1370632	1406839	1317446	1364972	3.29	cps
Cobalt	59-2	2084004	2089435	2059751	2077730	0.76	cps
Copper	63-2	16057244	15744779	15691898	15831307	1.25	cps
Dysprosium	156-1	200	183	197	193	4.56	cps
Dysprosium	156-2	313	333	310	319	3.96	cps
Erbium	164-1	317	307	410	344	16.55	cps
Erbium	164-2	303	260	193	252	21.97	cps
Gadolinium	160-1	177	233	200	203	14.01	cps
Gadolinium	160-2	443	340	363	382	14.18	cps
Holmium	165-1	5021747	5018087	4941415	4993750	0.91	cps
Holmium	165-2	3850078	3881513	3837954	3856515	0.58	cps
Indium	115-1	3780853	3798993	3850514	3810120	0.95	cps
Indium	115-2	1506873	1502200	1492191	1500421	0.50	cps
Iron	56-2	315531282	313996622	309657949	313061951	0.97	cps
Iron	57-2	7862893	7703522	7724635	7763683	1.11	cps
Iron	54-2	17232997	17269447	16725446	17075963	1.78	cps
Krypton	83-1	323	413	327	354	14.40	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:46:31	DataFile Name :	086CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9472702	9563987	9635636	9557442	0.85	cps
Lead	207-1	8225155	8175078	8187461	8195898	0.32	cps
Lead	208-1	37486592	37918507	37456542	37620547	0.69	cps
Lithium	6-1	677685	684055	673191	678311	0.80	cps
Magnesium	24-2	70948619	69909129	69809184	70222311	0.90	cps
Manganese	55-2	11112300	11303874	11200132	11205436	0.86	cps
Molybdenum	94-1	9209331	9202312	9195913	9202519	0.07	cps
Molybdenum	95-1	12815161	12921302	13105034	12947166	1.13	cps
Molybdenum	96-1	13824533	14032079	14148375	14001662	1.17	cps
Molybdenum	97-1	7947757	7972014	7988557	7969443	0.26	cps
Molybdenum	98-1	20667677	21254585	21231545	21051269	1.58	cps
Neodymium	150-1	167	187	193	182	7.62	cps
Neodymium	150-2	73	93	87	84	12.06	cps
Nickel	60-2	528769	520543	521371	523561	0.87	cps
Phosphorus	31-2	92789	92269	93141	92733	0.47	cps
Potassium	39-2	36441940	36735890	36178545	36452125	0.76	cps
Rhodium	103-1	3761280	3842267	3775000	3792849	1.14	cps
Rhodium	103-2	2573676	2559114	2511970	2548253	1.27	cps
Scandium	45-1	2465483	2434834	2463255	2454524	0.70	cps
Scandium	45-2	265428	264405	261926	263920	0.68	cps
Selenium	82-1	55662	55609	56590	55954	0.99	cps
Selenium	77-2	6585	6521	6788	6632	2.10	cps
Selenium	78-2	22808	22935	22798	22847	0.33	cps
Silicon	28-1	25981922	25759315	25359545	25700260	1.23	cps
Silver	107-1	3360757	3334980	3370356	3355364	0.55	cps
Silver	109-1	3245513	3144963	3241632	3210703	1.77	cps
Sodium	23-2	110426345	109527235	109003912	109652497	0.66	cps
Strontium	86-1	805192	808221	812848	808754	0.48	cps
Strontium	88-1	7186779	7395930	7416395	7333035	1.73	cps
Sulfur	34-1	396037	401265	399450	398917	0.67	cps
Terbium	159-1	4879936	4895239	4895051	4890075	0.18	cps
Terbium	159-2	3700290	3765314	3663505	3709703	1.39	cps
Thallium	203-1	2289213	2331758	2356613	2325861	1.47	cps
Thallium	205-1	5560933	5629854	5540900	5577229	0.84	cps
Tin	118-1	2048787	2053875	2104508	2069057	1.49	cps
Titanium	47-1	3448562	3422918	3430087	3433856	0.39	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:46:31	DataFile Name :	086CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7289132	6886545	7006055	7060577	2.93	cps
Vanadium	51-2	1143100	1133460	1135429	1137329	0.45	cps
Yttrium	89-1	6987168	7013642	6916123	6972311	0.72	cps
Yttrium	89-2	2123743	2065236	2140436	2109805	1.87	cps
Zinc	66-2	3020179	2983810	2950675	2984888	1.16	cps
Zirconium	90-1	4523842	4609018	4445415	4526092	1.81	cps
Zirconium	91-1	965781	992952	983694	980809	1.41	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:55:07	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	473	397	467	446	9.53	cps
Antimony	121-1	303	283	283	290	3.98	cps
Arsenic	75-2	11	5	5	7	57.30	cps
Barium	135-1	37	30	33	33	10.01	cps
Barium	137-1	70	40	50	53	28.64	cps
Beryllium	9-1	10	20	20	17	34.64	cps
Bismuth	209-1	2951162	2937239	2902213	2930205	0.86	cps
Bismuth	209-2	2582936	2701293	2570428	2618219	2.76	cps
Bromine	81-1	10934	10834	10907	10892	0.48	cps
Bromine	81-2	843	810	777	810	4.12	cps
Cadmium	108-1	13	13	17	14	13.35	cps
Cadmium	106-1	1420	1483	1327	1410	5.59	cps
Cadmium	111-1	1005	1059	960	1008	4.90	cps
Calcium	43-1	160	127	113	133	18.03	cps
Calcium	44-1	17687	17637	17554	17626	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1473	1417	1487	1459	2.55	cps
Cobalt	59-2	43	73	73	63	27.35	cps
Copper	63-2	1297	1267	1147	1237	6.42	cps
Dysprosium	156-1	13	10	7	10	33.30	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	13	27	10	17	52.93	cps
Erbium	164-2	17	17	10	14	26.66	cps
Gadolinium	160-1	13	20	10	14	35.26	cps
Gadolinium	160-2	263	270	290	274	5.06	cps
Holmium	165-1	4754884	4587053	4616258	4652732	1.93	cps
Holmium	165-2	3749921	3634170	3591736	3658609	2.24	cps
Indium	115-1	3742800	3698180	3689577	3710185	0.77	cps
Indium	115-2	1474166	1455983	1469505	1466551	0.64	cps
Iron	56-2	24807	24323	25303	24811	1.97	cps
Iron	57-2	1527	1437	1453	1472	3.25	cps
Iron	54-2	2477	2217	2234	2309	6.30	cps
Krypton	83-1	323	353	347	341	4.62	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:55:07	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	577	480	563	540	9.70	cps
Lead	207-1	427	463	433	441	4.43	cps
Lead	208-1	1930	1907	2090	1976	5.05	cps
Lithium	6-1	626514	631260	634363	630712	0.63	cps
Magnesium	24-2	387	363	427	392	8.17	cps
Manganese	55-2	727	617	687	677	8.23	cps
Molybdenum	94-1	267	280	283	277	3.19	cps
Molybdenum	95-1	253	190	190	211	17.32	cps
Molybdenum	96-1	320	250	253	274	14.39	cps
Molybdenum	97-1	173	127	180	160	18.16	cps
Molybdenum	98-1	413	437	403	418	4.10	cps
Neodymium	150-1	3	3	0	2	86.60	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	327	423	407	386	13.40	cps
Phosphorus	31-2	467	400	453	440	8.02	cps
Potassium	39-2	57438	57220	57240	57300	0.21	cps
Rhodium	103-1	3728172	3734857	3788527	3750519	0.88	cps
Rhodium	103-2	2531445	2544744	2523866	2533352	0.42	cps
Scandium	45-1	2276322	2271011	2295185	2280839	0.56	cps
Scandium	45-2	242796	241720	243061	242526	0.29	cps
Selenium	82-1	321	205	241	256	23.31	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	313	383	330	342	10.68	cps
Silicon	28-1	590507	595458	594961	593642	0.46	cps
Silver	107-1	160	110	123	131	19.75	cps
Silver	109-1	90	90	90	90	0.00	cps
Sodium	23-2	86407	87396	86464	86756	0.64	cps
Strontium	86-1	643	527	597	589	9.97	cps
Strontium	88-1	157	150	143	150	4.44	cps
Sulfur	34-1	159142	160448	160112	159901	0.42	cps
Terbium	159-1	4720237	4674515	4671098	4688617	0.59	cps
Terbium	159-2	3453879	3524856	3508651	3495795	1.06	cps
Thallium	203-1	433	453	393	427	7.16	cps
Thallium	205-1	1047	910	987	981	6.98	cps
Tin	118-1	1227	1390	1213	1277	7.71	cps
Titanium	47-1	40	67	73	60	29.40	cps

Reviewed By:jaswal
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 16:55:07	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	40	30	40	37	15.75	cps
Vanadium	51-2	23	10	20	18	39.03	cps
Yttrium	89-1	6726433	6642706	6475969	6615036	1.93	cps
Yttrium	89-2	2043904	2020600	2010186	2024897	0.85	cps
Zinc	66-2	1450	1487	1280	1406	7.85	cps
Zirconium	90-1	360	457	407	408	11.86	cps
Zirconium	91-1	63	90	67	73	19.81	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05A	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:00:25	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9123025	9339074	9057686	9173262	1.61	cps
Antimony	121-1	2223539	2240404	2274085	2246009	1.15	cps
Arsenic	75-2	225554	226429	222742	224908	0.86	cps
Barium	135-1	2929520	2871997	2917285	2906267	1.04	cps
Barium	137-1	4875660	5019209	4920396	4938422	1.49	cps
Beryllium	9-1	402483	415342	409541	409122	1.57	cps
Bismuth	209-1	3100551	3018115	3057137	3058601	1.35	cps
Bismuth	209-2	2710950	2790545	2734884	2745460	1.49	cps
Bromine	81-1	327980	420699	467541	405407	17.52	cps
Bromine	81-2	108230	108666	110597	109164	1.15	cps
Cadmium	108-1	45133	45839	45779	45584	0.86	cps
Cadmium	106-1	64743	66214	66177	65711	1.28	cps
Cadmium	111-1	630215	642979	647998	640397	1.43	cps
Calcium	43-1	1160979	1176507	1161162	1166216	0.76	cps
Calcium	44-1	18414794	18676768	18846726	18646096	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2316504	2325964	2264769	2302413	1.43	cps
Cobalt	59-2	2210189	2192113	2167206	2189836	0.99	cps
Copper	63-2	17281471	16700660	16455609	16812580	2.52	cps
Dysprosium	156-1	67277	68888	70761	68975	2.53	cps
Dysprosium	156-2	68553	69025	68429	68669	0.46	cps
Erbium	164-1	63601	66404	67676	65894	3.16	cps
Erbium	164-2	51304	52160	51418	51627	0.90	cps
Gadolinium	160-1	70038	73116	72912	72022	2.39	cps
Gadolinium	160-2	59191	59228	58512	58977	0.68	cps
Holmium	165-1	4877116	4945800	4833729	4885548	1.16	cps
Holmium	165-2	3812657	3897831	3750683	3820390	1.93	cps
Indium	115-1	3804958	3716783	3743268	3755003	1.20	cps
Indium	115-2	1493559	1499994	1487678	1493744	0.41	cps
Iron	56-2	384306701	389881248	385760234	386649394	0.75	cps
Iron	57-2	9629918	9473698	9351757	9485124	1.47	cps
Iron	54-2	21923136	21371755	20974087	21422992	2.22	cps
Krypton	83-1	477	383	527	462	15.74	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05A	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:00:25	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16104228	16068278	16131739	16101415	0.20	cps
Lead	207-1	13682413	13746804	13574451	13667889	0.64	cps
Lead	208-1	62163192	63048980	63024247	62745473	0.80	cps
Lithium	6-1	666322	670194	678244	671587	0.91	cps
Magnesium	24-2	30001210	29845475	29737647	29861444	0.44	cps
Manganese	55-2	13811597	13659412	13351744	13607584	1.72	cps
Molybdenum	94-1	4149904	4122757	4191138	4154599	0.83	cps
Molybdenum	95-1	4266546	4467865	4342793	4359068	2.33	cps
Molybdenum	96-1	4836567	4869128	4973181	4892959	1.46	cps
Molybdenum	97-1	2623869	2717121	2650177	2663722	1.80	cps
Molybdenum	98-1	6942576	7138535	7207772	7096294	1.94	cps
Neodymium	150-1	109186	111893	112989	111356	1.76	cps
Neodymium	150-2	71561	72747	72995	72434	1.06	cps
Nickel	60-2	953747	950222	946680	950216	0.37	cps
Phosphorus	31-2	26930	26680	26483	26698	0.84	cps
Potassium	39-2	9744240	9554931	9619474	9639548	1.00	cps
Rhodium	103-1	3736243	3707662	3723716	3722540	0.38	cps
Rhodium	103-2	2620223	2629522	2578396	2609380	1.04	cps
Scandium	45-1	2514728	2616175	2546736	2559213	2.03	cps
Scandium	45-2	270674	274168	271175	272006	0.69	cps
Selenium	82-1	52753	53970	54212	53645	1.46	cps
Selenium	77-2	7228	6875	6908	7004	2.79	cps
Selenium	78-2	22848	22507	22250	22535	1.33	cps
Silicon	28-1	5606066	5920795	6810666	6112509	10.22	cps
Silver	107-1	569531	585759	589021	581437	1.80	cps
Silver	109-1	543225	551758	556989	550658	1.26	cps
Sodium	23-2	37621858	36901990	37037507	37187118	1.03	cps
Strontium	86-1	1106276	1132062	1131931	1123423	1.32	cps
Strontium	88-1	10025813	10490347	10200139	10238766	2.29	cps
Sulfur	34-1	1553585	1577044	1589814	1573481	1.17	cps
Terbium	159-1	4800434	4947477	4902637	4883516	1.54	cps
Terbium	159-2	3772844	3803131	3754123	3776699	0.65	cps
Thallium	203-1	2141493	2134829	2150496	2142273	0.37	cps
Thallium	205-1	5087769	5093909	5207233	5129637	1.31	cps
Tin	118-1	2377872	2391384	2399964	2389740	0.47	cps
Titanium	47-1	901112	917940	925119	914723	1.35	cps

Reviewed By:jaswal
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-05A	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-020047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:00:25	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6273352	6438174	6579887	6430471	2.39	cps
Vanadium	51-2	1468366	1427884	1409345	1435199	2.10	cps
Yttrium	89-1	7734875	7771864	7932961	7813233	1.35	cps
Yttrium	89-2	2386238	2369463	2364654	2373452	0.48	cps
Zinc	66-2	4029246	4043594	4046725	4039855	0.23	cps
Zirconium	90-1	4384137	4390228	4265420	4346595	1.62	cps
Zirconium	91-1	932696	955914	955448	948019	1.40	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:15:56	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8741748	8875177	8861314	8826080	0.83	cps
Antimony	121-1	13270	13143	13113	13175	0.63	cps
Arsenic	75-2	64078	62756	63231	63355	1.06	cps
Barium	135-1	1009729	1013913	1022308	1015317	0.63	cps
Barium	137-1	1867528	1884121	1852618	1868089	0.84	cps
Beryllium	9-1	5508	6115	5881	5834	5.25	cps
Bismuth	209-1	2964753	2963899	3036575	2988409	1.40	cps
Bismuth	209-2	2796508	2717319	2726039	2746622	1.58	cps
Bromine	81-1	397518	524269	593905	505231	19.71	cps
Bromine	81-2	131438	134957	134775	133723	1.48	cps
Cadmium	108-1	4497	4721	4808	4675	3.42	cps
Cadmium	106-1	7959	8296	8613	8289	3.94	cps
Cadmium	111-1	63545	63896	64338	63926	0.62	cps
Calcium	43-1	1425386	1374909	1403278	1401191	1.81	cps
Calcium	44-1	22550984	22249524	22563601	22454703	0.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4121487	4129373	4061292	4104051	0.91	cps
Cobalt	59-2	355226	353713	347791	352243	1.12	cps
Copper	63-2	5533758	5410326	5432367	5458817	1.21	cps
Dysprosium	156-1	73495	75019	75622	74712	1.47	cps
Dysprosium	156-2	73354	73461	72871	73229	0.43	cps
Erbium	164-1	73301	73596	74326	73741	0.72	cps
Erbium	164-2	58137	58499	56357	57664	1.99	cps
Gadolinium	160-1	78770	78234	79840	78948	1.04	cps
Gadolinium	160-2	64240	64424	65456	64707	1.01	cps
Holmium	165-1	4656729	4693940	4720590	4690419	0.68	cps
Holmium	165-2	3814830	3737415	3672792	3741679	1.90	cps
Indium	115-1	3674211	3708212	3734100	3705508	0.81	cps
Indium	115-2	1462228	1462214	1459073	1461172	0.12	cps
Iron	56-2	503928366	496108499	491269913	497102259	1.28	cps
Iron	57-2	12197274	12368204	12206988	12257489	0.78	cps
Iron	54-2	27151492	27368552	26838530	27119525	0.98	cps
Krypton	83-1	577	507	417	500	16.04	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:15:56	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9283343	9397209	9449787	9376780	0.91	cps
Lead	207-1	7727110	7831735	7650462	7736436	1.18	cps
Lead	208-1	35947188	36313030	36285144	36181787	0.56	cps
Lithium	6-1	639154	630377	638486	636006	0.77	cps
Magnesium	24-2	10921199	11265016	11085827	11090680	1.55	cps
Manganese	55-2	4215672	4223720	4165635	4201675	0.75	cps
Molybdenum	94-1	208770	211256	213813	211280	1.19	cps
Molybdenum	95-1	66055	66336	67398	66596	1.06	cps
Molybdenum	96-1	99546	103228	103204	101993	2.08	cps
Molybdenum	97-1	41572	42007	41485	41688	0.67	cps
Molybdenum	98-1	107564	107469	107811	107615	0.16	cps
Neodymium	150-1	117397	118402	119623	118474	0.94	cps
Neodymium	150-2	77012	77710	76775	77166	0.63	cps
Nickel	60-2	491031	486063	488393	488496	0.51	cps
Phosphorus	31-2	51319	51985	51219	51508	0.81	cps
Potassium	39-2	4054215	4137222	4014669	4068702	1.54	cps
Rhodium	103-1	3598129	3678222	3714136	3663495	1.62	cps
Rhodium	103-2	2506917	2483752	2473915	2488195	0.68	cps
Scandium	45-1	2533297	2456598	2513201	2501032	1.59	cps
Scandium	45-2	265209	268180	265700	266363	0.60	cps
Selenium	82-1	1868	1819	2061	1916	6.68	cps
Selenium	77-2	580	570	477	542	10.51	cps
Selenium	78-2	1207	1360	1240	1269	6.36	cps
Silicon	28-1	13534073	14974422	14801839	14436778	5.45	cps
Silver	107-1	247214	251572	255546	251444	1.66	cps
Silver	109-1	236498	239580	243960	240013	1.56	cps
Sodium	23-2	17083841	17352351	17233279	17223157	0.78	cps
Strontium	86-1	1215401	1241287	1244973	1233887	1.31	cps
Strontium	88-1	10973215	11052293	11224035	11083181	1.16	cps
Sulfur	34-1	3491885	3573318	3525745	3530316	1.16	cps
Terbium	159-1	4709178	4719036	4764795	4731003	0.63	cps
Terbium	159-2	3612469	3651018	3542976	3602155	1.52	cps
Thallium	203-1	7776	7626	7676	7692	0.99	cps
Thallium	205-1	17818	17929	18152	17966	0.95	cps
Tin	118-1	733173	750831	754967	746324	1.55	cps
Titanium	47-1	1232422	1239040	1231711	1234391	0.33	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:15:56	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	145422	147826	146962	146736	0.83	cps
Vanadium	51-2	650661	648673	644701	648012	0.47	cps
Yttrium	89-1	7848467	7909518	7753117	7837034	1.01	cps
Yttrium	89-2	2380646	2402491	2344179	2375772	1.24	cps
Zinc	66-2	2160255	2125606	2134690	2140183	0.84	cps
Zirconium	90-1	467065	477418	472387	472290	1.10	cps
Zirconium	91-1	102848	106853	106184	105295	2.04	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:18:57	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10295249	10471888	10566547	10444561	1.32	cps
Antimony	121-1	9220	9290	9677	9395	2.62	cps
Arsenic	75-2	103380	105395	105909	104895	1.27	cps
Barium	135-1	2002125	1933885	1973634	1969881	1.74	cps
Barium	137-1	3446304	3427750	3485826	3453293	0.86	cps
Beryllium	9-1	4034	4157	4187	4126	1.97	cps
Bismuth	209-1	3219970	3194933	3152498	3189134	1.07	cps
Bismuth	209-2	2842440	2579178	2852587	2758068	5.62	cps
Bromine	81-1	496053	633929	686696	605559	16.26	cps
Bromine	81-2	154138	155398	158730	156089	1.52	cps
Cadmium	108-1	4511	4757	4584	4617	2.74	cps
Cadmium	106-1	8473	8736	8393	8534	2.11	cps
Cadmium	111-1	66017	65457	65934	65803	0.46	cps
Calcium	43-1	499351	504600	505480	503144	0.66	cps
Calcium	44-1	7817593	7887443	7919578	7874871	0.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4678114	4846305	4722962	4749127	1.83	cps
Cobalt	59-2	244690	250016	249511	248072	1.19	cps
Copper	63-2	7095819	7255231	7049907	7133653	1.51	cps
Dysprosium	156-1	89889	91426	90999	90771	0.87	cps
Dysprosium	156-2	87357	88993	88514	88288	0.95	cps
Erbium	164-1	89035	90927	88562	89508	1.40	cps
Erbium	164-2	68119	69027	68725	68623	0.67	cps
Gadolinium	160-1	97322	96393	95272	96329	1.07	cps
Gadolinium	160-2	77761	79249	78354	78455	0.95	cps
Holmium	165-1	4856032	4846863	4852296	4851730	0.10	cps
Holmium	165-2	3747481	3462108	3811037	3673542	5.06	cps
Indium	115-1	3735486	3760787	3830217	3775496	1.30	cps
Indium	115-2	1480606	1342934	1495347	1439629	5.84	cps
Iron	56-2	430158474	437352367	442529127	436679989	1.42	cps
Iron	57-2	10801224	10874699	10973221	10883048	0.79	cps
Iron	54-2	24131681	24633225	24141342	24302083	1.18	cps
Krypton	83-1	543	520	577	547	5.21	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:18:57	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10782714	11118400	11208870	11036661	2.03	cps
Lead	207-1	8712224	8910728	9049606	8890853	1.91	cps
Lead	208-1	41406432	42290473	42294344	41997083	1.22	cps
Lithium	6-1	656631	662648	661475	660251	0.48	cps
Magnesium	24-2	9753985	9827522	9774715	9785407	0.39	cps
Manganese	55-2	3758079	3876137	3852334	3828850	1.63	cps
Molybdenum	94-1	193260	193790	198586	195212	1.50	cps
Molybdenum	95-1	37685	38902	38243	38277	1.59	cps
Molybdenum	96-1	72093	71504	72710	72102	0.84	cps
Molybdenum	97-1	23416	23756	23522	23565	0.74	cps
Molybdenum	98-1	60910	61553	62801	61755	1.56	cps
Neodymium	150-1	141849	143813	141472	142378	0.88	cps
Neodymium	150-2	91562	93038	93961	92854	1.30	cps
Nickel	60-2	312081	316404	313133	313873	0.72	cps
Phosphorus	31-2	58150	58883	57735	58256	1.00	cps
Potassium	39-2	4237518	4272718	4298552	4269596	0.72	cps
Rhodium	103-1	3738927	3776298	3859795	3791673	1.63	cps
Rhodium	103-2	2598608	2272942	2591274	2487608	7.47	cps
Scandium	45-1	2574498	2576936	2596794	2582743	0.47	cps
Scandium	45-2	272939	249411	276955	266435	5.58	cps
Selenium	82-1	2550	2559	2622	2577	1.53	cps
Selenium	77-2	643	723	750	706	7.87	cps
Selenium	78-2	1447	1460	1613	1507	6.15	cps
Silicon	28-1	10017744	10260814	10053728	10110762	1.30	cps
Silver	107-1	270830	276785	280284	275967	1.73	cps
Silver	109-1	258316	261568	263342	261075	0.98	cps
Sodium	23-2	8051506	8212995	8311396	8191966	1.60	cps
Strontium	86-1	600450	603589	605810	603283	0.45	cps
Strontium	88-1	5430369	5373653	5387341	5397121	0.55	cps
Sulfur	34-1	2389120	2415847	2456785	2420584	1.41	cps
Terbium	159-1	4815756	4859826	4886207	4853930	0.73	cps
Terbium	159-2	3554805	3269676	3709002	3511161	6.35	cps
Thallium	203-1	11488	11859	11555	11634	1.70	cps
Thallium	205-1	27631	27358	27505	27498	0.50	cps
Tin	118-1	660016	666370	669873	665420	0.75	cps
Titanium	47-1	1082445	1094394	1108044	1094961	1.17	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:18:57	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	137178	137526	139837	138180	1.05	cps
Vanadium	51-2	545869	556240	552961	551690	0.96	cps
Yttrium	89-1	8119749	7950909	8116244	8062301	1.20	cps
Yttrium	89-2	2429943	2255577	2488044	2391188	5.06	cps
Zinc	66-2	1958114	1934001	1986815	1959643	1.35	cps
Zirconium	90-1	471062	469701	472162	470975	0.26	cps
Zirconium	91-1	104271	105020	105436	104909	0.56	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:22:05	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18743706	19154166	19236405	19044759	1.39	cps
Antimony	121-1	6712	6545	6445	6567	2.05	cps
Arsenic	75-2	119534	119378	121050	119988	0.77	cps
Barium	135-1	1887225	1897448	1900959	1895211	0.38	cps
Barium	137-1	3218663	3303400	3308338	3276800	1.54	cps
Beryllium	9-1	7085	6935	7062	7027	1.15	cps
Bismuth	209-1	3107315	3177264	3140593	3141724	1.11	cps
Bismuth	209-2	2821441	2801836	2866770	2830016	1.18	cps
Bromine	81-1	679400	871759	970960	840706	17.63	cps
Bromine	81-2	222628	224058	226643	224443	0.91	cps
Cadmium	108-1	1800	1790	1750	1780	1.49	cps
Cadmium	106-1	5251	5264	5381	5299	1.35	cps
Cadmium	111-1	19873	20553	20446	20291	1.80	cps
Calcium	43-1	537921	542962	543615	541499	0.58	cps
Calcium	44-1	8308690	8284308	8453496	8348831	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2096381	2113515	2114015	2107971	0.48	cps
Cobalt	59-2	433521	422760	426007	427429	1.29	cps
Copper	63-2	4414092	4543378	4444357	4467275	1.51	cps
Dysprosium	156-1	166020	173618	171556	170398	2.31	cps
Dysprosium	156-2	165693	164323	167446	165821	0.94	cps
Erbium	164-1	166000	169956	169011	168322	1.23	cps
Erbium	164-2	128421	131086	130551	130019	1.08	cps
Gadolinium	160-1	180044	183568	181961	181857	0.97	cps
Gadolinium	160-2	147359	147454	149064	147959	0.65	cps
Holmium	165-1	4892729	4958668	5035625	4962340	1.44	cps
Holmium	165-2	3935480	3901186	3963808	3933491	0.80	cps
Indium	115-1	3939436	3879335	3837562	3885444	1.32	cps
Indium	115-2	1516304	1546108	1559027	1540480	1.42	cps
Iron	56-2	727591189	743580362	730424976	733865509	1.16	cps
Iron	57-2	18212448	17720007	17849407	17927288	1.42	cps
Iron	54-2	40036172	39738717	39721539	39832142	0.44	cps
Krypton	83-1	553	610	760	641	16.66	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:22:05	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7450501	7702255	7537190	7563315	1.69	cps
Lead	207-1	6210013	6486530	6154773	6283772	2.83	cps
Lead	208-1	29003546	29476734	28968631	29149637	0.97	cps
Lithium	6-1	687726	684973	686880	686527	0.21	cps
Magnesium	24-2	15030379	15188370	15196165	15138305	0.62	cps
Manganese	55-2	19381630	19358306	19516265	19418734	0.44	cps
Molybdenum	94-1	322509	320194	316628	319777	0.93	cps
Molybdenum	95-1	24875	25275	25165	25105	0.82	cps
Molybdenum	96-1	79632	82012	80135	80593	1.56	cps
Molybdenum	97-1	15585	15865	15218	15556	2.09	cps
Molybdenum	98-1	40399	40887	40239	40508	0.83	cps
Neodymium	150-1	261799	266663	265086	264516	0.94	cps
Neodymium	150-2	171345	174295	174682	173441	1.05	cps
Nickel	60-2	335705	335714	338034	336484	0.40	cps
Phosphorus	31-2	82581	84032	85236	83950	1.58	cps
Potassium	39-2	6359705	6457558	6541942	6453069	1.41	cps
Rhodium	103-1	3883498	3855426	3837828	3858917	0.60	cps
Rhodium	103-2	2625521	2626592	2590853	2614322	0.78	cps
Scandium	45-1	2789333	2819224	2829244	2812600	0.74	cps
Scandium	45-2	300873	299430	304830	301711	0.93	cps
Selenium	82-1	3119	3037	2890	3015	3.85	cps
Selenium	77-2	1083	1140	1153	1126	3.30	cps
Selenium	78-2	1937	1937	1817	1897	3.65	cps
Silicon	28-1	15903449	16435049	19327134	17221878	10.70	cps
Silver	107-1	128181	130299	130306	129595	0.95	cps
Silver	109-1	120060	124466	124019	122848	1.97	cps
Sodium	23-2	8230956	8243874	8329540	8268123	0.65	cps
Strontium	86-1	630730	638992	637555	635759	0.69	cps
Strontium	88-1	5635494	5668860	5779021	5694458	1.32	cps
Sulfur	34-1	2031560	2064036	2099373	2064989	1.64	cps
Terbium	159-1	4949148	5191333	4988241	5042908	2.58	cps
Terbium	159-2	3815130	3723742	3761728	3766866	1.22	cps
Thallium	203-1	11845	11885	12162	11964	1.44	cps
Thallium	205-1	28253	28844	28206	28434	1.25	cps
Tin	118-1	1074412	1085674	1084720	1081602	0.58	cps
Titanium	47-1	1518090	1465881	1520491	1501488	2.06	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:22:05	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	180030	181449	180209	180563	0.43	cps
Vanadium	51-2	791559	787394	794004	790986	0.42	cps
Yttrium	89-1	9229344	9187073	9037323	9151247	1.10	cps
Yttrium	89-2	2833728	2833777	2835162	2834222	0.03	cps
Zinc	66-2	1631834	1591346	1596338	1606506	1.37	cps
Zirconium	90-1	826838	820733	838501	828691	1.09	cps
Zirconium	91-1	184978	186417	185985	185793	0.40	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:25:05	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10964887	11325083	11066913	11118961	1.67	cps
Antimony	121-1	12259	12412	12409	12360	0.71	cps
Arsenic	75-2	94973	93748	94196	94306	0.66	cps
Barium	135-1	1605090	1635625	1648584	1629766	1.37	cps
Barium	137-1	2820996	2880343	2822986	2841442	1.19	cps
Beryllium	9-1	4834	4704	4541	4693	3.13	cps
Bismuth	209-1	3218826	3222343	3186525	3209231	0.62	cps
Bismuth	209-2	2935423	2927229	2812659	2891770	2.37	cps
Bromine	81-1	381683	465842	504632	450719	13.95	cps
Bromine	81-2	110285	112330	112081	111565	1.00	cps
Cadmium	108-1	4774	4878	5038	4896	2.71	cps
Cadmium	106-1	9210	9260	9230	9233	0.27	cps
Cadmium	111-1	70464	70906	71332	70900	0.61	cps
Calcium	43-1	484227	483969	490154	486117	0.72	cps
Calcium	44-1	7415932	7617971	7552363	7528756	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5379788	5261062	5315370	5318740	1.12	cps
Cobalt	59-2	277157	280519	282991	280222	1.04	cps
Copper	63-2	6775897	6724897	6765565	6755453	0.40	cps
Dysprosium	156-1	98922	99869	100836	99876	0.96	cps
Dysprosium	156-2	97120	97043	96231	96798	0.51	cps
Erbium	164-1	98411	98811	99139	98787	0.37	cps
Erbium	164-2	75670	76391	75794	75952	0.51	cps
Gadolinium	160-1	105255	106055	106166	105825	0.47	cps
Gadolinium	160-2	86646	85747	85570	85988	0.67	cps
Holmium	165-1	4949899	4954150	4974890	4959646	0.27	cps
Holmium	165-2	3888547	3868569	3981708	3912941	1.54	cps
Indium	115-1	3846412	3819688	3859186	3841762	0.52	cps
Indium	115-2	1521723	1518385	1523622	1521243	0.17	cps
Iron	56-2	484686739	481422233	482384646	482831206	0.35	cps
Iron	57-2	11861676	11768181	11737189	11789015	0.55	cps
Iron	54-2	26699925	27098734	26342664	26713774	1.42	cps
Krypton	83-1	537	447	497	493	9.14	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:25:05	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10671229	10940154	10985316	10865566	1.56	cps
Lead	207-1	8637171	9022090	9018459	8892573	2.49	cps
Lead	208-1	41151211	42061804	42261359	41824792	1.41	cps
Lithium	6-1	665704	668569	659111	664461	0.73	cps
Magnesium	24-2	11013266	11091995	11340829	11148697	1.53	cps
Manganese	55-2	4473642	4452083	4422955	4449560	0.57	cps
Molybdenum	94-1	208500	209696	214874	211023	1.61	cps
Molybdenum	95-1	43277	43344	43906	43509	0.79	cps
Molybdenum	96-1	78741	79850	79739	79443	0.77	cps
Molybdenum	97-1	27192	27119	27095	27135	0.19	cps
Molybdenum	98-1	70409	69455	70989	70284	1.10	cps
Neodymium	150-1	156502	158150	160880	158510	1.39	cps
Neodymium	150-2	103070	102771	102731	102858	0.18	cps
Nickel	60-2	362664	369014	370002	367227	1.08	cps
Phosphorus	31-2	64432	63749	65064	64415	1.02	cps
Potassium	39-2	4302412	4324263	4291911	4306195	0.38	cps
Rhodium	103-1	3729962	3801791	3923220	3818324	2.56	cps
Rhodium	103-2	2635785	2579045	2584028	2599619	1.21	cps
Scandium	45-1	2614900	2621179	2608748	2614942	0.24	cps
Scandium	45-2	285023	281074	286417	284171	0.98	cps
Selenium	82-1	1964	2107	2088	2053	3.78	cps
Selenium	77-2	640	657	600	632	4.61	cps
Selenium	78-2	1427	1390	1333	1383	3.40	cps
Silicon	28-1	14266360	14779682	14393814	14479952	1.85	cps
Silver	107-1	308805	316914	320657	315458	1.92	cps
Silver	109-1	295274	301072	301595	299314	1.17	cps
Sodium	23-2	6128333	6020604	6007955	6052297	1.09	cps
Strontium	86-1	551603	552903	561840	555448	1.00	cps
Strontium	88-1	5005962	5034177	5065832	5035324	0.59	cps
Sulfur	34-1	2660869	2766490	2694447	2707269	1.99	cps
Terbium	159-1	4812883	4903858	5065190	4927310	2.59	cps
Terbium	159-2	3797629	3656145	3734745	3729506	1.90	cps
Thallium	203-1	9774	9964	9797	9845	1.05	cps
Thallium	205-1	22642	23898	23123	23221	2.73	cps
Tin	118-1	508436	509048	514699	510728	0.68	cps
Titanium	47-1	1240188	1282599	1235956	1252915	2.06	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:25:05	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	147587	152038	151260	150295	1.58	cps
Vanadium	51-2	705598	704660	706175	705478	0.11	cps
Yttrium	89-1	8353161	8257729	8194249	8268380	0.97	cps
Yttrium	89-2	2542688	2525571	2492918	2520392	1.00	cps
Zinc	66-2	2062674	2046444	2007177	2038765	1.40	cps
Zirconium	90-1	500872	507307	505302	504494	0.65	cps
Zirconium	91-1	109523	110829	114577	111643	2.35	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:28:08	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17509888	17090998	16939348	17180078	1.72	cps
Antimony	121-1	15458	16199	15759	15805	2.36	cps
Arsenic	75-2	124516	124548	123984	124349	0.25	cps
Barium	135-1	2278754	2341486	2286229	2302156	1.49	cps
Barium	137-1	3886717	4040345	4025586	3984216	2.13	cps
Beryllium	9-1	8209	8259	8252	8240	0.33	cps
Bismuth	209-1	3179116	3137971	3202988	3173358	1.04	cps
Bismuth	209-2	2874886	2926375	2843148	2881470	1.46	cps
Bromine	81-1	783750	999919	1104622	962763	17.00	cps
Bromine	81-2	246922	246976	246329	246742	0.15	cps
Cadmium	108-1	10884	11468	11698	11350	3.70	cps
Cadmium	106-1	17531	17691	17874	17699	0.97	cps
Cadmium	111-1	146793	151513	151679	149995	1.85	cps
Calcium	43-1	1055508	1058129	1068053	1060563	0.62	cps
Calcium	44-1	16705100	16685122	16776463	16722228	0.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10149263	10117886	10259635	10175595	0.73	cps
Cobalt	59-2	511026	504021	506537	507194	0.70	cps
Copper	63-2	12304672	12552179	12239454	12365435	1.33	cps
Dysprosium	156-1	144542	148706	146122	146457	1.44	cps
Dysprosium	156-2	143960	141962	142327	142749	0.75	cps
Erbium	164-1	141522	144575	144063	143387	1.14	cps
Erbium	164-2	110860	111081	110628	110856	0.20	cps
Gadolinium	160-1	150719	155420	155124	153754	1.71	cps
Gadolinium	160-2	127000	124552	124619	125390	1.11	cps
Holmium	165-1	4875667	4813007	4980304	4889659	1.73	cps
Holmium	165-2	3808349	3864032	3881913	3851431	1.00	cps
Indium	115-1	3852402	3815847	3817333	3828527	0.54	cps
Indium	115-2	1484794	1488305	1489400	1487500	0.16	cps
Iron	56-2	733592709	747767696	744983989	742114798	1.01	cps
Iron	57-2	18546667	18076626	18371174	18331489	1.30	cps
Iron	54-2	41577235	41452580	41552511	41527442	0.16	cps
Krypton	83-1	613	610	587	603	2.41	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:28:08	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14144192	14857218	14402923	14468111	2.49	cps
Lead	207-1	11862313	11902610	11997266	11920729	0.58	cps
Lead	208-1	55157313	55439735	56580637	55725895	1.35	cps
Lithium	6-1	669818	671206	661790	667605	0.76	cps
Magnesium	24-2	20804703	20499860	20526798	20610454	0.82	cps
Manganese	55-2	6467142	6397712	6299820	6388224	1.32	cps
Molybdenum	94-1	370497	376664	372533	373231	0.84	cps
Molybdenum	95-1	106196	108778	107731	107568	1.21	cps
Molybdenum	96-1	166430	172391	168145	168989	1.82	cps
Molybdenum	97-1	65540	67143	67291	66658	1.46	cps
Molybdenum	98-1	171483	173428	172330	172414	0.57	cps
Neodymium	150-1	231264	239344	237831	236146	1.82	cps
Neodymium	150-2	155576	154876	154498	154983	0.35	cps
Nickel	60-2	913214	897874	898455	903181	0.96	cps
Phosphorus	31-2	104212	105152	103725	104363	0.69	cps
Potassium	39-2	7639329	7557956	7548238	7581841	0.66	cps
Rhodium	103-1	3720891	3767087	3735752	3741243	0.63	cps
Rhodium	103-2	2560272	2519164	2525287	2534907	0.87	cps
Scandium	45-1	2744418	2747823	2681971	2724737	1.36	cps
Scandium	45-2	291858	292006	290767	291544	0.23	cps
Selenium	82-1	2896	3037	3078	3004	3.19	cps
Selenium	77-2	1093	953	1003	1017	6.98	cps
Selenium	78-2	1747	1720	1767	1745	1.34	cps
Silicon	28-1	14842209	15210225	15683045	15245159	2.76	cps
Silver	107-1	303092	307614	309097	306601	1.02	cps
Silver	109-1	285299	292247	291381	289642	1.31	cps
Sodium	23-2	32487815	32259709	32686340	32477954	0.66	cps
Strontium	86-1	1172418	1194648	1196172	1187746	1.12	cps
Strontium	88-1	10633807	10861829	10864547	10786728	1.23	cps
Sulfur	34-1	4129388	4049500	3987744	4055544	1.75	cps
Terbium	159-1	4879917	4788980	4949223	4872707	1.65	cps
Terbium	159-2	3725920	3684479	3693380	3701260	0.59	cps
Thallium	203-1	14201	13934	13984	14040	1.01	cps
Thallium	205-1	33622	34320	34524	34155	1.39	cps
Tin	118-1	1223342	1243261	1230143	1232249	0.82	cps
Titanium	47-1	1959137	2063527	2000592	2007752	2.62	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:28:08	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	309763	316163	309168	311698	1.24	cps
Vanadium	51-2	1428808	1421664	1449763	1433412	1.02	cps
Yttrium	89-1	8901202	8653134	8770704	8775013	1.41	cps
Yttrium	89-2	2688102	2732769	2689080	2703317	0.94	cps
Zinc	66-2	3897239	3842926	3866392	3868853	0.70	cps
Zirconium	90-1	841348	850036	853295	848226	0.73	cps
Zirconium	91-1	188701	191974	188409	189695	1.04	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:31:10	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12060795	12062716	12454014	12192508	1.86	cps
Antimony	121-1	4577	4601	4684	4621	1.21	cps
Arsenic	75-2	52116	52203	51355	51892	0.90	cps
Barium	135-1	1050709	1069928	1081272	1067303	1.45	cps
Barium	137-1	1941132	1952812	1949739	1947894	0.31	cps
Beryllium	9-1	5698	5965	5911	5858	2.41	cps
Bismuth	209-1	3147503	3082112	3108855	3112823	1.06	cps
Bismuth	209-2	2781212	2782606	2788537	2784118	0.14	cps
Bromine	81-1	634064	782718	862065	759616	15.24	cps
Bromine	81-2	192136	191231	192479	191948	0.34	cps
Cadmium	108-1	5171	5531	5418	5373	3.43	cps
Cadmium	106-1	9863	9383	9670	9639	2.51	cps
Cadmium	111-1	65407	65582	65735	65575	0.25	cps
Calcium	43-1	560935	570677	577380	569664	1.45	cps
Calcium	44-1	8946227	9037784	9073229	9019080	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4102507	4186421	4188464	4159131	1.18	cps
Cobalt	59-2	348995	347507	350766	349090	0.47	cps
Copper	63-2	6212893	6329285	6226676	6256285	1.02	cps
Dysprosium	156-1	98580	99701	100748	99676	1.09	cps
Dysprosium	156-2	100090	100681	99195	99989	0.75	cps
Erbium	164-1	98196	99250	100935	99460	1.39	cps
Erbium	164-2	77360	78050	76796	77402	0.81	cps
Gadolinium	160-1	105071	107637	106838	106515	1.23	cps
Gadolinium	160-2	87853	86193	87813	87287	1.08	cps
Holmium	165-1	4801131	4741254	4735840	4759408	0.76	cps
Holmium	165-2	3898422	3781565	3759643	3813210	1.96	cps
Indium	115-1	3729827	3732583	3711721	3724711	0.30	cps
Indium	115-2	1486326	1492527	1482514	1487122	0.34	cps
Iron	56-2	533030045	539874272	531944925	534949748	0.80	cps
Iron	57-2	13165822	13223863	13152434	13180706	0.29	cps
Iron	54-2	29476740	30015692	29489822	29660751	1.04	cps
Krypton	83-1	543	570	473	529	9.44	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:31:10	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16750325	16976156	16251746	16659409	2.22	cps
Lead	207-1	13865260	13550944	13984451	13800218	1.62	cps
Lead	208-1	63482922	63596161	64318962	63799348	0.71	cps
Lithium	6-1	653704	647078	647622	649468	0.57	cps
Magnesium	24-2	15679298	15591356	15729906	15666854	0.45	cps
Manganese	55-2	4671980	4709976	4768804	4716920	1.03	cps
Molybdenum	94-1	269114	270353	270832	270100	0.33	cps
Molybdenum	95-1	69521	71370	71011	70634	1.39	cps
Molybdenum	96-1	113172	115261	117518	115317	1.89	cps
Molybdenum	97-1	44210	44514	45477	44734	1.48	cps
Molybdenum	98-1	113729	114687	115594	114670	0.81	cps
Neodymium	150-1	155974	160489	159372	158612	1.48	cps
Neodymium	150-2	104303	103772	103409	103828	0.43	cps
Nickel	60-2	504029	502480	500703	502404	0.33	cps
Phosphorus	31-2	55025	56066	55657	55583	0.94	cps
Potassium	39-2	5677189	5728626	5612242	5672686	1.03	cps
Rhodium	103-1	3746173	3682941	3727207	3718774	0.87	cps
Rhodium	103-2	2518058	2511619	2576027	2535235	1.40	cps
Scandium	45-1	2546750	2599261	2591609	2579207	1.10	cps
Scandium	45-2	279933	282019	280578	280843	0.38	cps
Selenium	82-1	1780	1766	1861	1803	2.86	cps
Selenium	77-2	623	653	527	601	11.01	cps
Selenium	78-2	1277	1080	1250	1202	8.87	cps
Silicon	28-1	4602833	4219591	5737426	4853283	16.26	cps
Silver	107-1	275098	280553	278991	278214	1.01	cps
Silver	109-1	260758	265543	265577	263959	1.05	cps
Sodium	23-2	30711456	30485856	29853645	30350319	1.47	cps
Strontium	86-1	545597	549222	549100	547973	0.38	cps
Strontium	88-1	4904322	4899675	5029514	4944504	1.49	cps
Sulfur	34-1	3055432	3122922	3121767	3100040	1.25	cps
Terbium	159-1	4885118	4774071	4757660	4805616	1.44	cps
Terbium	159-2	3693605	3659055	3700928	3684529	0.61	cps
Thallium	203-1	8936	8953	8806	8899	0.90	cps
Thallium	205-1	21400	21440	21647	21496	0.62	cps
Tin	118-1	954658	956214	972175	961016	1.01	cps
Titanium	47-1	1391387	1402016	1368875	1387426	1.22	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:31:10	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	159755	162382	161649	161262	0.84	cps
Vanadium	51-2	681531	685893	690519	685981	0.66	cps
Yttrium	89-1	8068479	8229527	8256686	8184897	1.24	cps
Yttrium	89-2	2528293	2497988	2514567	2513616	0.60	cps
Zinc	66-2	2282747	2238877	2260936	2260853	0.97	cps
Zirconium	90-1	628803	635068	633778	632550	0.52	cps
Zirconium	91-1	139588	143141	141285	141338	1.26	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:34:18	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14558881	14436687	14305614	14433727	0.88	cps
Antimony	121-1	5768	6051	6125	5981	3.15	cps
Arsenic	75-2	109140	108573	108702	108805	0.27	cps
Barium	135-1	1751776	1834102	1800159	1795346	2.30	cps
Barium	137-1	3056671	3103286	3122429	3094129	1.09	cps
Beryllium	9-1	5344	5528	5538	5470	1.99	cps
Bismuth	209-1	3106899	3086961	3115827	3103229	0.48	cps
Bismuth	209-2	2760212	2739026	2795884	2765041	1.04	cps
Bromine	81-1	585877	724387	791366	700543	14.96	cps
Bromine	81-2	178549	179997	180782	179776	0.63	cps
Cadmium	108-1	5704	5915	6095	5905	3.31	cps
Cadmium	106-1	10337	10050	10097	10161	1.51	cps
Cadmium	111-1	78880	79989	80000	79623	0.81	cps
Calcium	43-1	496958	494247	505704	498970	1.20	cps
Calcium	44-1	7824549	7866883	8006232	7899222	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6168253	6153283	6335793	6219110	1.63	cps
Cobalt	59-2	325310	321168	320284	322254	0.83	cps
Copper	63-2	7908248	7796578	8007669	7904165	1.34	cps
Dysprosium	156-1	120375	120415	120324	120371	0.04	cps
Dysprosium	156-2	117729	118267	117141	117712	0.48	cps
Erbium	164-1	116511	118455	119389	118118	1.24	cps
Erbium	164-2	90787	90934	90736	90819	0.11	cps
Gadolinium	160-1	126591	126667	128858	127372	1.01	cps
Gadolinium	160-2	104735	103600	103103	103813	0.81	cps
Holmium	165-1	4664964	4679490	4873075	4739176	2.45	cps
Holmium	165-2	3701043	3727121	3690673	3706279	0.51	cps
Indium	115-1	3747049	3709705	3702479	3719744	0.64	cps
Indium	115-2	1470248	1470715	1463189	1468051	0.29	cps
Iron	56-2	609171084	595617671	609809858	604866204	1.33	cps
Iron	57-2	14965383	14410066	14453998	14609816	2.11	cps
Iron	54-2	33731963	33398450	32869240	33333218	1.31	cps
Krypton	83-1	507	503	537	516	3.56	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:34:18	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10836022	10733269	11033110	10867467	1.40	cps
Lead	207-1	8966493	9154672	9167201	9096122	1.24	cps
Lead	208-1	42158257	42237939	43524404	42640200	1.80	cps
Lithium	6-1	646044	633419	642464	640643	1.02	cps
Magnesium	24-2	14429829	14183350	14314026	14309069	0.86	cps
Manganese	55-2	5366170	5254504	5324351	5315008	1.06	cps
Molybdenum	94-1	243917	247051	248374	246447	0.93	cps
Molybdenum	95-1	42067	42652	43421	42713	1.59	cps
Molybdenum	96-1	84952	84972	85157	85027	0.13	cps
Molybdenum	97-1	26491	26885	26501	26625	0.84	cps
Molybdenum	98-1	67921	68205	68952	68359	0.78	cps
Neodymium	150-1	182719	186278	188597	185865	1.59	cps
Neodymium	150-2	125440	123986	124784	124737	0.58	cps
Nickel	60-2	396856	390961	395889	394569	0.80	cps
Phosphorus	31-2	120033	119728	117981	119247	0.93	cps
Potassium	39-2	5748939	5841434	5741529	5777301	0.96	cps
Rhodium	103-1	3689345	3608427	3601304	3633026	1.35	cps
Rhodium	103-2	2497127	2485179	2508777	2497028	0.47	cps
Scandium	45-1	2628242	2590418	2580930	2599863	0.96	cps
Scandium	45-2	281482	281656	279878	281006	0.35	cps
Selenium	82-1	2243	2293	2254	2263	1.17	cps
Selenium	77-2	817	777	723	772	6.06	cps
Selenium	78-2	1427	1440	1390	1419	1.82	cps
Silicon	28-1	4417012	4089684	4528534	4345076	5.25	cps
Silver	107-1	283678	291084	294531	289764	1.91	cps
Silver	109-1	270165	274562	280340	275022	1.86	cps
Sodium	23-2	25420900	25305662	25274675	25333746	0.30	cps
Strontium	86-1	747626	760715	754740	754361	0.87	cps
Strontium	88-1	6776093	7020924	6865487	6887502	1.80	cps
Sulfur	34-1	2837097	2942571	2912835	2897501	1.88	cps
Terbium	159-1	4726340	4759969	4828937	4771749	1.10	cps
Terbium	159-2	3688235	3576681	3619980	3628298	1.55	cps
Thallium	203-1	11081	11945	11281	11436	3.95	cps
Thallium	205-1	26706	27742	27077	27175	1.93	cps
Tin	118-1	892866	895758	902291	896972	0.54	cps
Titanium	47-1	1329907	1346328	1384851	1353696	2.08	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:34:18	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	146873	147187	151367	148476	1.69	cps
Vanadium	51-2	886360	887868	891107	888445	0.27	cps
Yttrium	89-1	8276346	8255333	8325284	8285654	0.43	cps
Yttrium	89-2	2562250	2496716	2524088	2527685	1.30	cps
Zinc	66-2	2098541	2084030	2129700	2104091	1.11	cps
Zirconium	90-1	605340	611680	608010	608344	0.52	cps
Zirconium	91-1	135513	136610	135499	135874	0.47	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:41:36	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15178473	15126697	15027436	15110869	0.51	cps
Antimony	121-1	8106	8286	8222	8205	1.11	cps
Arsenic	75-2	112075	111873	112086	112011	0.11	cps
Barium	135-1	1850147	1910025	1914834	1891669	1.91	cps
Barium	137-1	3226088	3283667	3270235	3259997	0.92	cps
Beryllium	9-1	5761	5828	5644	5744	1.62	cps
Bismuth	209-1	3113059	3174142	3141946	3143049	0.97	cps
Bismuth	209-2	2848601	2820650	2806894	2825382	0.75	cps
Bromine	81-1	593145	746323	842968	727478	17.32	cps
Bromine	81-2	186405	187187	188690	187427	0.62	cps
Cadmium	108-1	5821	5991	6098	5970	2.34	cps
Cadmium	106-1	10481	10330	10307	10373	0.91	cps
Cadmium	111-1	81756	84254	82433	82814	1.56	cps
Calcium	43-1	513840	524060	524656	520852	1.17	cps
Calcium	44-1	8167707	8173583	8223265	8188185	0.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6488621	6439762	6440822	6456402	0.43	cps
Cobalt	59-2	334810	334935	334276	334673	0.10	cps
Copper	63-2	8099215	8148124	8150320	8132553	0.36	cps
Dysprosium	156-1	123273	126009	123340	124208	1.26	cps
Dysprosium	156-2	123057	121238	120765	121686	0.99	cps
Erbium	164-1	119679	122006	121964	121217	1.10	cps
Erbium	164-2	94927	94084	94246	94419	0.47	cps
Gadolinium	160-1	130963	133618	134651	133078	1.43	cps
Gadolinium	160-2	107953	107348	108342	107881	0.46	cps
Holmium	165-1	4832585	5055069	5001788	4963147	2.34	cps
Holmium	165-2	3829909	3833665	3891406	3851660	0.90	cps
Indium	115-1	3753138	3815065	3760623	3776275	0.90	cps
Indium	115-2	1505995	1499864	1492462	1499440	0.45	cps
Iron	56-2	623774311	622150911	625069964	623665062	0.23	cps
Iron	57-2	15756086	15441969	15293414	15497156	1.52	cps
Iron	54-2	34009075	34147159	34615779	34257338	0.93	cps
Krypton	83-1	547	570	540	552	2.85	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:41:36	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11387116	11701516	11413603	11500745	1.52	cps
Lead	207-1	9760511	9669444	9755390	9728449	0.53	cps
Lead	208-1	44321089	44754607	44552558	44542751	0.49	cps
Lithium	6-1	656575	666230	674987	665930	1.38	cps
Magnesium	24-2	15140313	14592244	15088794	14940451	2.03	cps
Manganese	55-2	5577508	5544388	5476443	5532780	0.93	cps
Molybdenum	94-1	256881	262680	264616	261392	1.54	cps
Molybdenum	95-1	43889	44648	45688	44742	2.02	cps
Molybdenum	96-1	88117	90056	91461	89878	1.87	cps
Molybdenum	97-1	27379	28495	28434	28103	2.23	cps
Molybdenum	98-1	71816	73410	73534	72920	1.31	cps
Neodymium	150-1	194149	195916	196724	195597	0.67	cps
Neodymium	150-2	129557	126650	128803	128337	1.18	cps
Nickel	60-2	415174	415162	415018	415118	0.02	cps
Phosphorus	31-2	124694	120906	122199	122600	1.57	cps
Potassium	39-2	6104356	5890995	6122766	6039372	2.13	cps
Rhodium	103-1	3819775	3740804	3763613	3774731	1.08	cps
Rhodium	103-2	2565377	2596221	2538235	2566611	1.13	cps
Scandium	45-1	2633132	2640167	2670494	2647931	0.75	cps
Scandium	45-2	289075	287160	286899	287711	0.41	cps
Selenium	82-1	2250	2325	2370	2315	2.63	cps
Selenium	77-2	697	810	827	778	9.10	cps
Selenium	78-2	1520	1527	1667	1571	5.27	cps
Silicon	28-1	12625977	11193454	11771489	11863640	6.07	cps
Silver	107-1	295277	299889	302160	299109	1.17	cps
Silver	109-1	276759	281870	285276	281301	1.52	cps
Sodium	23-2	26356529	26433869	26432502	26407633	0.17	cps
Strontium	86-1	771580	785407	788991	781993	1.18	cps
Strontium	88-1	6977326	7141805	7295447	7138193	2.23	cps
Sulfur	34-1	3011741	3002500	3057580	3023940	0.98	cps
Terbium	159-1	4923893	4843245	5049642	4938927	2.11	cps
Terbium	159-2	3660407	3641442	3709096	3670315	0.95	cps
Thallium	203-1	11515	12002	12192	11903	2.93	cps
Thallium	205-1	28079	29061	28143	28428	1.93	cps
Tin	118-1	876857	890209	901877	889648	1.41	cps
Titanium	47-1	1450595	1446717	1464671	1453994	0.65	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUP	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:41:36	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	154487	158494	156562	156514	1.28	cps
Vanadium	51-2	916781	905949	915786	912839	0.66	cps
Yttrium	89-1	8392840	8507150	8618851	8506280	1.33	cps
Yttrium	89-2	2665002	2585138	2600283	2616808	1.62	cps
Zinc	66-2	2229705	2166640	2114337	2170227	2.66	cps
Zirconium	90-1	630513	651759	649121	643797	1.80	cps
Zirconium	91-1	141139	142799	145138	143025	1.40	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 17:44:38	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2881542	2866984	2856730	2868418	0.43	cps
Antimony	121-1	1163	1187	1383	1245	9.71	cps
Arsenic	75-2	21744	21781	21191	21572	1.53	cps
Barium	135-1	337768	340868	337552	338729	0.55	cps
Barium	137-1	582135	596185	588543	588954	1.19	cps
Beryllium	9-1	1193	1097	1070	1120	5.79	cps
Bismuth	209-1	2993785	3010248	3053245	3019093	1.02	cps
Bismuth	209-2	2733240	2723937	2680710	2712629	1.03	cps
Bromine	81-1	171914	189812	194267	185331	6.38	cps
Bromine	81-2	39596	38711	39011	39106	1.15	cps
Cadmium	108-1	1143	1257	1213	1205	4.75	cps
Cadmium	106-1	3470	3557	3510	3513	1.24	cps
Cadmium	111-1	17254	17199	17220	17224	0.16	cps
Calcium	43-1	99672	101417	99638	100242	1.02	cps
Calcium	44-1	1605524	1576805	1604034	1595454	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1220344	1227493	1226060	1224632	0.31	cps
Cobalt	59-2	64214	64150	64210	64191	0.06	cps
Copper	63-2	1575923	1564023	1554526	1564824	0.69	cps
Dysprosium	156-1	23630	23780	23547	23652	0.50	cps
Dysprosium	156-2	23189	23567	22959	23238	1.32	cps
Erbium	164-1	23657	22842	23163	23221	1.77	cps
Erbium	164-2	17962	18075	17561	17866	1.51	cps
Gadolinium	160-1	24862	24822	24929	24871	0.22	cps
Gadolinium	160-2	20869	20422	20595	20629	1.09	cps
Holmium	165-1	4863886	4850180	4768133	4827400	1.07	cps
Holmium	165-2	3798932	3750531	3792660	3780708	0.70	cps
Indium	115-1	3811439	3838691	3806253	3818794	0.46	cps
Indium	115-2	1516842	1502375	1499773	1506330	0.61	cps
Iron	56-2	118588732	117665255	117022878	117758955	0.67	cps
Iron	57-2	3018786	2875873	2846862	2913840	3.16	cps
Iron	54-2	6573933	6711367	6510768	6598689	1.55	cps
Krypton	83-1	423	360	313	366	15.10	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 17:44:38	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2190855	2210128	2214383	2205122	0.57	cps
Lead	207-1	1818983	1863488	1808951	1830474	1.59	cps
Lead	208-1	8429637	8620587	8517812	8522679	1.12	cps
Lithium	6-1	637859	647768	642073	642567	0.77	cps
Magnesium	24-2	2827100	2840946	2837797	2835281	0.26	cps
Manganese	55-2	1041353	1034743	1036988	1037695	0.32	cps
Molybdenum	94-1	48159	48600	48333	48364	0.46	cps
Molybdenum	95-1	8406	8416	8736	8519	2.20	cps
Molybdenum	96-1	16980	16683	16843	16835	0.88	cps
Molybdenum	97-1	5344	5291	5614	5417	3.20	cps
Molybdenum	98-1	13690	13436	14037	13721	2.20	cps
Neodymium	150-1	36651	37617	36246	36838	1.91	cps
Neodymium	150-2	24238	24264	23703	24068	1.31	cps
Nickel	60-2	79054	79124	79422	79200	0.25	cps
Phosphorus	31-2	24086	24596	24470	24384	1.09	cps
Potassium	39-2	1199268	1205228	1176833	1193776	1.25	cps
Rhodium	103-1	3720803	3723610	3724242	3722885	0.05	cps
Rhodium	103-2	2683174	2636189	2591502	2636955	1.74	cps
Scandium	45-1	2417667	2413589	2400920	2410726	0.36	cps
Scandium	45-2	261419	260172	257724	259772	0.72	cps
Selenium	82-1	663	740	743	716	6.35	cps
Selenium	77-2	193	153	153	167	13.86	cps
Selenium	78-2	557	560	633	583	7.43	cps
Silicon	28-1	1437678	1513946	1604687	1518771	5.51	cps
Silver	107-1	58668	59237	59545	59150	0.75	cps
Silver	109-1	54760	55088	55676	55175	0.84	cps
Sodium	23-2	5017223	5135746	5190654	5114541	1.73	cps
Strontium	86-1	148348	151795	151663	150602	1.30	cps
Strontium	88-1	1298238	1320228	1312064	1310177	0.85	cps
Sulfur	34-1	672274	680270	684095	678879	0.89	cps
Terbium	159-1	4826121	4839002	4902393	4855839	0.84	cps
Terbium	159-2	3628280	3580379	3651169	3619943	1.00	cps
Thallium	203-1	2460	2444	2500	2468	1.18	cps
Thallium	205-1	5728	5795	5771	5765	0.59	cps
Tin	118-1	176594	182452	178897	179314	1.65	cps
Titanium	47-1	258692	264671	263026	262129	1.18	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 17:44:38	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30018	29761	29183	29654	1.44	cps
Vanadium	51-2	172913	173291	173384	173196	0.14	cps
Yttrium	89-1	7119768	7298829	7133299	7183965	1.39	cps
Yttrium	89-2	2196075	2206737	2181729	2194847	0.57	cps
Zinc	66-2	423688	423843	423424	423651	0.05	cps
Zirconium	90-1	118854	120625	120504	119995	0.82	cps
Zirconium	91-1	26911	27259	27072	27081	0.64	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:59:55	DataFile Name :	099CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7365595	7519233	7441175	7442001	1.03	cps
Antimony	121-1	2311793	2303990	2270338	2295373	0.96	cps
Arsenic	75-2	185309	184021	184663	184664	0.35	cps
Barium	135-1	2684652	2713892	2778527	2725690	1.76	cps
Barium	137-1	4570782	4705690	4679710	4652061	1.54	cps
Beryllium	9-1	414150	424061	419599	419270	1.18	cps
Bismuth	209-1	2795634	2884814	2789099	2823182	1.89	cps
Bismuth	209-2	2561666	2475296	2585369	2540777	2.28	cps
Bromine	81-1	10831	10871	10814	10839	0.27	cps
Bromine	81-2	890	853	790	844	5.99	cps
Cadmium	108-1	44605	46277	45551	45478	1.84	cps
Cadmium	106-1	63592	64034	64579	64068	0.77	cps
Cadmium	111-1	629045	632049	642519	634538	1.11	cps
Calcium	43-1	3177298	3215755	3204179	3199077	0.62	cps
Calcium	44-1	51687391	53004034	52382076	52357834	1.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1274362	1257118	1260636	1264039	0.72	cps
Cobalt	59-2	1912065	1927306	1932878	1924083	0.56	cps
Copper	63-2	14812752	14657975	14734170	14734965	0.53	cps
Dysprosium	156-1	157	123	133	138	12.41	cps
Dysprosium	156-2	320	343	350	338	4.66	cps
Erbium	164-1	253	267	280	267	5.00	cps
Erbium	164-2	193	233	247	224	12.37	cps
Gadolinium	160-1	213	197	170	193	11.31	cps
Gadolinium	160-2	387	377	353	372	4.60	cps
Holmium	165-1	4698419	4776463	4736012	4736965	0.82	cps
Holmium	165-2	3763112	3578392	3595415	3645640	2.80	cps
Indium	115-1	3669691	3596624	3600091	3622135	1.14	cps
Indium	115-2	1408832	1426615	1410568	1415338	0.69	cps
Iron	56-2	291706016	292806622	291560176	292024271	0.23	cps
Iron	57-2	7293269	7376364	7016209	7228614	2.61	cps
Iron	54-2	16053457	16003209	15816560	15957742	0.78	cps
Krypton	83-1	363	380	333	359	6.59	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:59:55	DataFile Name :	099CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8980432	9180172	9066453	9075686	1.10	cps
Lead	207-1	7467866	7645614	7926601	7680027	3.01	cps
Lead	208-1	34749025	35672176	35754968	35392056	1.58	cps
Lithium	6-1	615114	617465	612971	615183	0.37	cps
Magnesium	24-2	67604942	66376299	66691517	66890920	0.95	cps
Manganese	55-2	10577337	10587584	10481427	10548782	0.56	cps
Molybdenum	94-1	8348355	8409129	8637045	8464843	1.80	cps
Molybdenum	95-1	12000266	12110522	12031915	12047568	0.47	cps
Molybdenum	96-1	12998829	12932295	13097892	13009672	0.64	cps
Molybdenum	97-1	7263393	7366822	7535110	7388442	1.86	cps
Molybdenum	98-1	19375686	19640306	19672516	19562836	0.83	cps
Neodymium	150-1	163	177	127	156	16.64	cps
Neodymium	150-2	77	77	77	77	0.00	cps
Nickel	60-2	488207	489106	487757	488357	0.14	cps
Phosphorus	31-2	87083	86442	86285	86603	0.49	cps
Potassium	39-2	33513956	33741474	33918878	33724769	0.60	cps
Rhodium	103-1	3551933	3574653	3484121	3536902	1.33	cps
Rhodium	103-2	2423596	2377751	2424158	2408502	1.11	cps
Scandium	45-1	2307741	2262672	2290770	2287061	1.00	cps
Scandium	45-2	245590	246119	245715	245808	0.11	cps
Selenium	82-1	52259	52067	52843	52390	0.77	cps
Selenium	77-2	6602	6475	6575	6550	1.02	cps
Selenium	78-2	20945	21502	21225	21224	1.31	cps
Silicon	28-1	23819550	24271960	23877425	23989645	1.03	cps
Silver	107-1	3151983	3101499	3129376	3127619	0.81	cps
Silver	109-1	2978366	3008803	2944437	2977202	1.08	cps
Sodium	23-2	102547635	101505605	101388635	101813958	0.63	cps
Strontium	86-1	746248	751975	744473	747566	0.52	cps
Strontium	88-1	6916903	6767186	6785538	6823209	1.20	cps
Sulfur	34-1	374104	381004	380132	378413	0.99	cps
Terbium	159-1	4765678	4846306	4728105	4780030	1.26	cps
Terbium	159-2	3564738	3488278	3541248	3531422	1.11	cps
Thallium	203-1	2174069	2235816	2231997	2213961	1.56	cps
Thallium	205-1	5205557	5358089	5164234	5242627	1.95	cps
Tin	118-1	1902562	1906811	1921252	1910208	0.51	cps
Titanium	47-1	3259759	3257790	3152635	3223395	1.90	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 17:59:55	DataFile Name :	099CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6624973	6818392	6895982	6779783	2.06	cps
Vanadium	51-2	1060028	1064019	1055301	1059783	0.41	cps
Yttrium	89-1	6662252	6536906	6544698	6581286	1.07	cps
Yttrium	89-2	2005880	1971115	1969926	1982307	1.03	cps
Zinc	66-2	2853541	2787753	2800140	2813812	1.24	cps
Zirconium	90-1	4178283	4242406	4226239	4215643	0.79	cps
Zirconium	91-1	903559	920043	915517	913039	0.93	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:10:33	DataFile Name :	100CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	517	410	427	451	12.72	cps
Antimony	121-1	237	170	223	210	16.80	cps
Arsenic	75-2	8	5	1	5	74.50	cps
Barium	135-1	20	27	20	22	17.33	cps
Barium	137-1	30	50	47	42	25.38	cps
Beryllium	9-1	13	7	27	16	65.47	cps
Bismuth	209-1	2859881	2818736	2885854	2854824	1.19	cps
Bismuth	209-2	2553321	2557110	2549636	2553356	0.15	cps
Bromine	81-1	8366	8549	8586	8500	1.39	cps
Bromine	81-2	500	423	427	450	9.63	cps
Cadmium	108-1	0	13	7	7	99.98	cps
Cadmium	106-1	1410	1323	1370	1368	3.17	cps
Cadmium	111-1	1004	924	961	963	4.16	cps
Calcium	43-1	180	160	113	151	22.64	cps
Calcium	44-1	15532	15588	15678	15599	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1437	1287	1427	1383	6.06	cps
Cobalt	59-2	43	60	57	53	16.54	cps
Copper	63-2	947	930	880	919	3.78	cps
Dysprosium	156-1	0	0	20	7	173.21	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	33	23	20	26	27.15	cps
Erbium	164-2	7	17	20	14	48.02	cps
Gadolinium	160-1	37	7	13	19	83.40	cps
Gadolinium	160-2	217	233	227	226	3.72	cps
Holmium	165-1	4527329	4542370	4583317	4551005	0.64	cps
Holmium	165-2	3507821	3469904	3463518	3480415	0.69	cps
Indium	115-1	3573536	3636985	3538531	3583018	1.39	cps
Indium	115-2	1405360	1388713	1406820	1400298	0.72	cps
Iron	56-2	26658	23058	23225	24313	8.36	cps
Iron	57-2	1560	1527	1530	1539	1.19	cps
Iron	54-2	2200	2424	2227	2284	5.34	cps
Krypton	83-1	340	303	370	338	9.89	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:10:33	DataFile Name :	100CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	460	433	380	424	9.60	cps
Lead	207-1	403	337	380	373	9.06	cps
Lead	208-1	1847	1630	1677	1718	6.64	cps
Lithium	6-1	586938	593841	591001	590593	0.59	cps
Magnesium	24-2	263	330	353	316	14.80	cps
Manganese	55-2	617	607	590	604	2.23	cps
Molybdenum	94-1	190	203	230	208	9.80	cps
Molybdenum	95-1	233	207	170	203	15.64	cps
Molybdenum	96-1	263	233	210	236	11.35	cps
Molybdenum	97-1	140	180	117	146	22.00	cps
Molybdenum	98-1	327	297	313	312	4.81	cps
Neodymium	150-1	13	7	0	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	300	313	347	320	7.51	cps
Phosphorus	31-2	370	347	357	358	3.27	cps
Potassium	39-2	56160	55491	54196	55282	1.81	cps
Rhodium	103-1	3536195	3588303	3612656	3579051	1.09	cps
Rhodium	103-2	2494390	2377997	2349942	2407443	3.18	cps
Scandium	45-1	2151738	2213077	2146286	2170367	1.71	cps
Scandium	45-2	227686	228898	229377	228653	0.38	cps
Selenium	82-1	259	258	193	237	16.00	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	377	303	333	338	10.92	cps
Silicon	28-1	575774	562257	575569	571200	1.36	cps
Silver	107-1	93	110	73	92	19.91	cps
Silver	109-1	67	70	60	66	7.77	cps
Sodium	23-2	39791	39795	40333	39973	0.78	cps
Strontium	86-1	570	537	610	572	6.42	cps
Strontium	88-1	123	110	127	120	7.35	cps
Sulfur	34-1	153519	152266	153533	153106	0.47	cps
Terbium	159-1	4527623	4544973	4504790	4525795	0.45	cps
Terbium	159-2	3324749	3413339	3382620	3373570	1.33	cps
Thallium	203-1	140	130	140	137	4.22	cps
Thallium	205-1	387	350	400	379	6.83	cps
Tin	118-1	1163	1377	1247	1262	8.52	cps
Titanium	47-1	37	63	73	58	32.80	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:10:33	DataFile Name :	100CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	23	30	24	20.83	cps
Vanadium	51-2	13	23	20	19	26.96	cps
Yttrium	89-1	6386993	6231178	6305337	6307836	1.24	cps
Yttrium	89-2	1942905	1932325	1897162	1924130	1.24	cps
Zinc	66-2	1350	1290	1323	1321	2.28	cps
Zirconium	90-1	263	277	283	274	3.71	cps
Zirconium	91-1	53	70	60	61	13.73	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:15:26	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16015040	16567795	15911993	16164943	2.18	cps
Antimony	121-1	2122736	2102316	2146409	2123821	1.04	cps
Arsenic	75-2	327664	323810	323955	325143	0.67	cps
Barium	135-1	5224906	5328694	5222013	5258538	1.16	cps
Barium	137-1	9015113	9203122	9156764	9125000	1.07	cps
Beryllium	9-1	390045	393325	397517	393629	0.95	cps
Bismuth	209-1	3218388	3177243	3162779	3186137	0.91	cps
Bismuth	209-2	2913160	2942775	2843065	2899667	1.77	cps
Bromine	81-1	558689	720581	797341	692204	17.60	cps
Bromine	81-2	187435	192086	191302	190274	1.31	cps
Cadmium	108-1	49250	50785	50625	50220	1.68	cps
Cadmium	106-1	72326	71931	72165	72140	0.28	cps
Cadmium	111-1	703678	711325	717495	710833	0.97	cps
Calcium	43-1	1350339	1399048	1367981	1372456	1.80	cps
Calcium	44-1	21587541	21845679	21713773	21715664	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8743234	8801221	8898545	8814333	0.89	cps
Cobalt	59-2	2306555	2279534	2318305	2301465	0.86	cps
Copper	63-2	23023010	23513251	23460005	23332089	1.15	cps
Dysprosium	156-1	126552	125486	126922	126320	0.59	cps
Dysprosium	156-2	124496	124167	123612	124092	0.36	cps
Erbium	164-1	124696	125610	127282	125863	1.04	cps
Erbium	164-2	97997	98182	96129	97436	1.17	cps
Gadolinium	160-1	132302	134827	135577	134236	1.28	cps
Gadolinium	160-2	109289	109760	108849	109300	0.42	cps
Holmium	165-1	4605239	4787081	4793830	4728717	2.26	cps
Holmium	165-2	3726759	3713015	3675423	3705066	0.72	cps
Indium	115-1	3578457	3531234	3564973	3558221	0.68	cps
Indium	115-2	1412004	1416358	1396568	1408310	0.74	cps
Iron	56-2	650967057	654459910	661784070	655737012	0.84	cps
Iron	57-2	16625576	16665809	16386431	16559272	0.91	cps
Iron	54-2	36840953	37324303	37025690	37063649	0.66	cps
Krypton	83-1	510	530	477	506	5.33	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:15:26	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	26753816	26228186	27741907	26907970	2.86	cps
Lead	207-1	22303023	22260753	22610771	22391516	0.85	cps
Lead	208-1	103278459	104294671	104175422	103916184	0.53	cps
Lithium	6-1	643614	638235	637193	639681	0.54	cps
Magnesium	24-2	32924165	32579487	32509352	32671001	0.68	cps
Manganese	55-2	14469927	14264207	14520459	14418198	0.94	cps
Molybdenum	94-1	3895266	3966340	3979710	3947105	1.15	cps
Molybdenum	95-1	3942221	4084388	4047084	4024564	1.83	cps
Molybdenum	96-1	4503256	4622374	4652096	4592575	1.72	cps
Molybdenum	97-1	2493229	2500762	2518274	2504088	0.51	cps
Molybdenum	98-1	6392300	6700996	6576574	6556624	2.37	cps
Neodymium	150-1	198287	202556	203216	201353	1.33	cps
Neodymium	150-2	133739	132967	131100	132602	1.02	cps
Nickel	60-2	1180258	1203717	1188694	1190890	1.00	cps
Phosphorus	31-2	128915	128356	125920	127730	1.25	cps
Potassium	39-2	12085267	11928743	11779304	11931105	1.28	cps
Rhodium	103-1	3521931	3528475	3487648	3512684	0.62	cps
Rhodium	103-2	2433684	2415403	2436994	2428694	0.48	cps
Scandium	45-1	2583201	2576838	2598826	2586288	0.44	cps
Scandium	45-2	277275	280820	275649	277915	0.95	cps
Selenium	82-1	52281	52997	53768	53015	1.40	cps
Selenium	77-2	6975	7122	6908	7002	1.56	cps
Selenium	78-2	22360	22741	21950	22350	1.77	cps
Silicon	28-1	3824177	4042342	5193827	4353449	16.90	cps
Silver	107-1	655307	662241	664058	660535	0.70	cps
Silver	109-1	619105	629657	637236	628666	1.45	cps
Sodium	23-2	52267246	52666049	51043879	51992391	1.63	cps
Strontium	86-1	1777881	1794326	1801654	1791287	0.68	cps
Strontium	88-1	15311985	15772224	15917914	15667374	2.02	cps
Sulfur	34-1	3141645	3224138	3272772	3212852	2.06	cps
Terbium	159-1	4725889	4678158	4725100	4709716	0.58	cps
Terbium	159-2	3608057	3570447	3621464	3599989	0.73	cps
Thallium	203-1	2004571	2113418	2063042	2060344	2.64	cps
Thallium	205-1	4867763	5068533	5007553	4981283	2.07	cps
Tin	118-1	2737813	2778569	2842023	2786135	1.88	cps
Titanium	47-1	1476968	1548418	1507945	1511110	2.37	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:15:26	DataFile Name :	101SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6299874	6489695	6260462	6350010	1.93	cps
Vanadium	51-2	2220935	2153097	2139324	2171119	2.01	cps
Yttrium	89-1	8238868	8372723	8266239	8292610	0.85	cps
Yttrium	89-2	2473470	2520843	2500939	2498417	0.95	cps
Zinc	66-2	5832775	5851287	5903690	5862584	0.63	cps
Zirconium	90-1	4424491	4380296	4532809	4445865	1.77	cps
Zirconium	91-1	952544	971755	980557	968285	1.48	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:18:14	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16679898	16454166	16002021	16378695	2.11	cps
Antimony	121-1	2190187	2226548	2206916	2207884	0.82	cps
Arsenic	75-2	334690	328656	325456	329601	1.42	cps
Barium	135-1	5270379	5425057	5325249	5340228	1.47	cps
Barium	137-1	9266688	9177198	9344239	9262708	0.90	cps
Beryllium	9-1	394440	396142	396945	395842	0.32	cps
Bismuth	209-1	3251417	3396768	3365717	3337967	2.29	cps
Bismuth	209-2	2960590	2915803	2890454	2922282	1.22	cps
Bromine	81-1	607691	755258	840349	734433	16.03	cps
Bromine	81-2	193072	197148	198651	196290	1.47	cps
Cadmium	108-1	51311	52003	50889	51401	1.09	cps
Cadmium	106-1	73907	75301	74627	74612	0.93	cps
Cadmium	111-1	718189	728598	734382	727056	1.13	cps
Calcium	43-1	1386242	1387699	1329045	1367662	2.45	cps
Calcium	44-1	22135141	21957376	22395427	22162648	0.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9131064	8978100	8937066	9015410	1.13	cps
Cobalt	59-2	2326286	2322880	2309978	2319715	0.37	cps
Copper	63-2	23750602	23404595	23617744	23590980	0.74	cps
Dysprosium	156-1	128710	128640	129252	128867	0.26	cps
Dysprosium	156-2	126581	125491	127224	126432	0.69	cps
Erbium	164-1	128446	129646	130408	129500	0.76	cps
Erbium	164-2	100965	99431	97276	99224	1.87	cps
Gadolinium	160-1	135169	137308	138932	137136	1.38	cps
Gadolinium	160-2	113539	110401	110234	111391	1.67	cps
Holmium	165-1	4826141	4889945	4788454	4834847	1.06	cps
Holmium	165-2	3729504	3743287	3655216	3709336	1.28	cps
Indium	115-1	3602474	3607010	3672237	3627240	1.08	cps
Indium	115-2	1433238	1420942	1403444	1419208	1.05	cps
Iron	56-2	675183470	672211497	662345123	669913363	1.00	cps
Iron	57-2	16968241	16811714	16429819	16736591	1.65	cps
Iron	54-2	37569006	37020123	37439209	37342779	0.77	cps
Krypton	83-1	563	547	543	551	1.94	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:18:14	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	27361916	29063158	27982590	28135888	3.06	cps
Lead	207-1	22506796	23566039	23534495	23202443	2.60	cps
Lead	208-1	105766300	110841388	109747888	108785192	2.46	cps
Lithium	6-1	657747	667151	661853	662251	0.71	cps
Magnesium	24-2	33404253	32730286	33039226	33057922	1.02	cps
Manganese	55-2	14811040	14511668	14529405	14617371	1.15	cps
Molybdenum	94-1	4005697	4026804	4089554	4040685	1.08	cps
Molybdenum	95-1	4162322	4138295	4134886	4145168	0.36	cps
Molybdenum	96-1	4621898	4715611	4605814	4647774	1.28	cps
Molybdenum	97-1	2510905	2547569	2552181	2536885	0.89	cps
Molybdenum	98-1	6579500	6749920	6753618	6694346	1.49	cps
Neodymium	150-1	203800	206700	208814	206438	1.22	cps
Neodymium	150-2	134723	134377	133849	134317	0.33	cps
Nickel	60-2	1207436	1208411	1192893	1202913	0.72	cps
Phosphorus	31-2	130955	128125	127090	128723	1.55	cps
Potassium	39-2	12146490	12007511	11991504	12048502	0.71	cps
Rhodium	103-1	3553775	3594128	3741313	3629739	2.72	cps
Rhodium	103-2	2523111	2500355	2475792	2499753	0.95	cps
Scandium	45-1	2561969	2583789	2652191	2599317	1.81	cps
Scandium	45-2	283255	281697	277267	280740	1.11	cps
Selenium	82-1	53796	53963	54219	53993	0.39	cps
Selenium	77-2	7275	7075	6838	7063	3.10	cps
Selenium	78-2	22648	22864	22561	22691	0.69	cps
Silicon	28-1	4431810	4254815	4512402	4399675	2.99	cps
Silver	107-1	693005	687068	695143	691739	0.60	cps
Silver	109-1	645708	655585	663961	655085	1.39	cps
Sodium	23-2	52691868	52780936	52791709	52754838	0.10	cps
Strontium	86-1	1788214	1848471	1868726	1835137	2.28	cps
Strontium	88-1	15686202	16001253	16192958	15960138	1.60	cps
Sulfur	34-1	3201762	3304590	3239812	3248722	1.60	cps
Terbium	159-1	4693105	4756683	4703451	4717746	0.72	cps
Terbium	159-2	3699444	3613634	3504765	3605948	2.71	cps
Thallium	203-1	2029996	2142290	2136071	2102786	3.00	cps
Thallium	205-1	5150215	5089718	5065808	5101914	0.85	cps
Tin	118-1	2815729	2848085	2776159	2813324	1.28	cps
Titanium	47-1	1492150	1574962	1516301	1527804	2.79	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:18:14	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6450304	6490538	6610849	6517230	1.28	cps
Vanadium	51-2	2201155	2177360	2104628	2161048	2.33	cps
Yttrium	89-1	8385048	8300180	8523174	8402801	1.34	cps
Yttrium	89-2	2589605	2505128	2520648	2538460	1.77	cps
Zinc	66-2	5946132	5943483	5923268	5937628	0.21	cps
Zirconium	90-1	4462595	4529193	4536072	4509287	0.90	cps
Zirconium	91-1	984965	987588	988980	987178	0.21	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02A	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:21:00	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14911560	14622491	14983504	14839185	1.29	cps
Antimony	121-1	2240623	2287274	2244746	2257548	1.14	cps
Arsenic	75-2	291756	293172	294555	293161	0.48	cps
Barium	135-1	4049428	4016595	4052947	4039657	0.50	cps
Barium	137-1	6751657	6896385	7077061	6908368	2.36	cps
Beryllium	9-1	397898	402186	392790	397625	1.18	cps
Bismuth	209-1	3107211	3193789	3070207	3123735	2.03	cps
Bismuth	209-2	2715801	2756216	2728441	2733486	0.76	cps
Bromine	81-1	526225	640459	695998	620894	13.94	cps
Bromine	81-2	155823	159348	160535	158568	1.55	cps
Cadmium	108-1	48243	49056	48210	48503	0.99	cps
Cadmium	106-1	70276	70748	70373	70465	0.35	cps
Cadmium	111-1	689048	698261	687290	691533	0.85	cps
Calcium	43-1	1094854	1109853	1105971	1103559	0.71	cps
Calcium	44-1	16982136	17521591	17348946	17284224	1.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6928761	6921178	7040631	6963524	0.96	cps
Cobalt	59-2	2193519	2189175	2146850	2176514	1.18	cps
Copper	63-2	20973581	20727625	20966735	20889314	0.67	cps
Dysprosium	156-1	113931	114734	113609	114092	0.51	cps
Dysprosium	156-2	110495	108710	109319	109508	0.83	cps
Erbium	164-1	111820	112650	113286	112585	0.65	cps
Erbium	164-2	85989	84286	86163	85480	1.21	cps
Gadolinium	160-1	122724	122461	122582	122589	0.11	cps
Gadolinium	160-2	98921	97241	96638	97600	1.21	cps
Holmium	165-1	4787081	4885008	4835273	4835787	1.01	cps
Holmium	165-2	3601897	3726874	3733946	3687572	2.01	cps
Indium	115-1	3606459	3629299	3607484	3614414	0.36	cps
Indium	115-2	1410751	1423218	1412627	1415532	0.47	cps
Iron	56-2	611222831	610411751	614449458	612028013	0.35	cps
Iron	57-2	14950020	14620942	14687211	14752725	1.18	cps
Iron	54-2	33801794	33558296	33873266	33744452	0.49	cps
Krypton	83-1	503	480	460	481	4.51	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02A	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:21:00	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19886369	19972391	20144265	20001008	0.66	cps
Lead	207-1	16147621	17100057	16677526	16641735	2.87	cps
Lead	208-1	75267357	78422160	78083832	77257783	2.24	cps
Lithium	6-1	653520	664856	655727	658034	0.91	cps
Magnesium	24-2	27188817	27015415	26857256	27020496	0.61	cps
Manganese	55-2	14731241	14563934	14440010	14578395	1.00	cps
Molybdenum	94-1	4027131	3990157	4022756	4013348	0.50	cps
Molybdenum	95-1	4110825	4325485	4201855	4212722	2.56	cps
Molybdenum	96-1	4740426	4786707	4627002	4718045	1.74	cps
Molybdenum	97-1	2582149	2549703	2539002	2556951	0.88	cps
Molybdenum	98-1	6607700	6610001	6760915	6659539	1.32	cps
Neodymium	150-1	176495	180053	178734	178427	1.01	cps
Neodymium	150-2	116037	115711	114040	115263	0.93	cps
Nickel	60-2	829866	835682	831930	832493	0.35	cps
Phosphorus	31-2	111053	111040	112728	111607	0.87	cps
Potassium	39-2	11084101	11223997	11459209	11255769	1.68	cps
Rhodium	103-1	3626253	3662606	3616656	3635172	0.67	cps
Rhodium	103-2	2519830	2452580	2486010	2486140	1.35	cps
Scandium	45-1	2491787	2545615	2550702	2529368	1.29	cps
Scandium	45-2	276087	274375	276115	275526	0.36	cps
Selenium	82-1	53384	53989	53622	53665	0.57	cps
Selenium	77-2	6675	7128	6888	6897	3.29	cps
Selenium	78-2	22935	21826	22858	22539	2.75	cps
Silicon	28-1	7410206	7202986	7781328	7464840	3.93	cps
Silver	107-1	739833	753324	746309	746489	0.90	cps
Silver	109-1	704725	704516	702018	703753	0.21	cps
Sodium	23-2	45203903	44484359	44780664	44822975	0.81	cps
Strontium	86-1	1541946	1592932	1579630	1571502	1.68	cps
Strontium	88-1	13682394	13719937	13723711	13708681	0.17	cps
Sulfur	34-1	2657135	2682292	2777826	2705751	2.35	cps
Terbium	159-1	4830327	4843414	4771273	4815005	0.80	cps
Terbium	159-2	3582013	3518490	3558335	3552946	0.90	cps
Thallium	203-1	2189162	2213043	2182517	2194908	0.73	cps
Thallium	205-1	5221378	5283279	5202980	5235879	0.80	cps
Tin	118-1	2486615	2510640	2492946	2496734	0.50	cps
Titanium	47-1	1281596	1278162	1309041	1289600	1.31	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02A	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:21:00	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6521582	6685026	6437598	6548069	1.92	cps
Vanadium	51-2	1873460	1861068	1858160	1864229	0.44	cps
Yttrium	89-1	8264609	8103268	8205628	8191168	1.00	cps
Yttrium	89-2	2475214	2469818	2442659	2462564	0.71	cps
Zinc	66-2	4597476	4603378	4517702	4572852	1.05	cps
Zirconium	90-1	4388749	4426259	4465263	4426757	0.86	cps
Zirconium	91-1	958181	962177	973824	964727	0.84	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:23:49	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18730292	18800207	19138982	18889827	1.16	cps
Antimony	121-1	7592	7352	8102	7682	4.99	cps
Arsenic	75-2	175885	174603	174450	174979	0.45	cps
Barium	135-1	3542483	3683010	3646013	3623835	2.01	cps
Barium	137-1	6382401	6324952	6444125	6383826	0.93	cps
Beryllium	9-1	7218	7495	7362	7358	1.88	cps
Bismuth	209-1	3288941	3289836	3287235	3288671	0.04	cps
Bismuth	209-2	3044504	2975075	2904023	2974534	2.36	cps
Bromine	81-1	814921	1030706	1149777	998468	17.00	cps
Bromine	81-2	255201	260242	260224	258556	1.12	cps
Cadmium	108-1	4894	4974	4998	4955	1.09	cps
Cadmium	106-1	9276	9240	9500	9339	1.51	cps
Cadmium	111-1	66616	67512	68328	67486	1.27	cps
Calcium	43-1	714739	735128	728253	726040	1.43	cps
Calcium	44-1	11160120	11365631	11425701	11317151	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4376922	4429747	4468722	4425131	1.04	cps
Cobalt	59-2	429014	433433	436954	433134	0.92	cps
Copper	63-2	9506273	9232716	9277757	9338915	1.57	cps
Dysprosium	156-1	155400	156741	159267	157136	1.25	cps
Dysprosium	156-2	151693	153195	155094	153328	1.11	cps
Erbium	164-1	156491	157917	161135	158514	1.50	cps
Erbium	164-2	122368	120596	121296	121420	0.74	cps
Gadolinium	160-1	166982	167638	169123	167914	0.65	cps
Gadolinium	160-2	137596	137491	137890	137659	0.15	cps
Holmium	165-1	4874314	4782430	4912611	4856452	1.38	cps
Holmium	165-2	3718391	3677329	3844016	3746578	2.32	cps
Indium	115-1	3641777	3621350	3628089	3630405	0.29	cps
Indium	115-2	1438863	1422868	1439394	1433708	0.66	cps
Iron	56-2	797892335	801221935	784599508	794571259	1.11	cps
Iron	57-2	18968204	19198685	19829430	19332106	2.31	cps
Iron	54-2	43373773	43459068	42589004	43140615	1.11	cps
Krypton	83-1	617	600	703	640	8.67	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:23:49	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18034497	18306388	18764212	18368366	2.01	cps
Lead	207-1	15133628	14734499	15322184	15063437	1.99	cps
Lead	208-1	69673554	69534741	72073021	70427105	2.03	cps
Lithium	6-1	675882	667396	667917	670398	0.71	cps
Magnesium	24-2	19548857	19481176	19228308	19419447	0.87	cps
Manganese	55-2	7234445	7129418	7231086	7198316	0.83	cps
Molybdenum	94-1	308483	312214	313908	311535	0.89	cps
Molybdenum	95-1	38761	39898	40289	39649	2.00	cps
Molybdenum	96-1	91813	93396	94654	93288	1.53	cps
Molybdenum	97-1	24928	24397	25472	24933	2.16	cps
Molybdenum	98-1	63086	64669	64113	63956	1.26	cps
Neodymium	150-1	243483	244260	248819	245521	1.17	cps
Neodymium	150-2	158056	158860	155873	157596	0.98	cps
Nickel	60-2	522167	527773	528636	526192	0.67	cps
Phosphorus	31-2	121991	119489	122079	121187	1.21	cps
Potassium	39-2	7312742	7206116	7202836	7240564	0.86	cps
Rhodium	103-1	3639008	3577531	3637780	3618106	0.97	cps
Rhodium	103-2	2530550	2512693	2478758	2507334	1.05	cps
Scandium	45-1	2590782	2625088	2627611	2614494	0.79	cps
Scandium	45-2	289480	284044	289430	287651	1.09	cps
Selenium	82-1	3604	3707	3587	3633	1.78	cps
Selenium	77-2	1043	1020	1010	1024	1.67	cps
Selenium	78-2	2100	2097	2207	2135	2.93	cps
Silicon	28-1	4968490	4349045	4874179	4730571	7.06	cps
Silver	107-1	301308	297375	309679	302787	2.08	cps
Silver	109-1	280741	286923	290803	286156	1.77	cps
Sodium	23-2	22989707	22476606	22999195	22821836	1.31	cps
Strontium	86-1	847713	869128	874159	863667	1.63	cps
Strontium	88-1	7638916	7682631	7775699	7699082	0.91	cps
Sulfur	34-1	3586923	3609514	3688838	3628425	1.48	cps
Terbium	159-1	4828881	4749398	4885381	4821220	1.42	cps
Terbium	159-2	3553416	3575798	3652615	3593943	1.45	cps
Thallium	203-1	20095	20896	21427	20806	3.22	cps
Thallium	205-1	48858	48370	49179	48802	0.84	cps
Tin	118-1	1740768	1720853	1803247	1754956	2.45	cps
Titanium	47-1	1433794	1398312	1419952	1417353	1.26	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:23:49	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	188897	192308	193533	191579	1.25	cps
Vanadium	51-2	893192	888030	891484	890902	0.30	cps
Yttrium	89-1	8645896	9092717	8580770	8773128	3.18	cps
Yttrium	89-2	2700345	2665556	2673724	2679875	0.68	cps
Zinc	66-2	3193166	3163024	3247461	3201217	1.34	cps
Zirconium	90-1	775600	801559	787519	788226	1.65	cps
Zirconium	91-1	172585	175731	177833	175383	1.51	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-06	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP03-2025-2(	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:26:48	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11661693	11196148	11171240	11343027	2.44	cps
Antimony	121-1	6025	6125	6315	6155	2.39	cps
Arsenic	75-2	105943	105660	105498	105700	0.21	cps
Barium	135-1	2111109	2113090	2106254	2110151	0.17	cps
Barium	137-1	3683710	3836177	3748898	3756262	2.04	cps
Beryllium	9-1	4811	4654	4777	4747	1.74	cps
Bismuth	209-1	3202530	3121946	3126732	3150403	1.43	cps
Bismuth	209-2	2805790	2753615	2777380	2778929	0.94	cps
Bromine	81-1	441424	551824	593872	529040	14.88	cps
Bromine	81-2	131876	132081	132842	132266	0.38	cps
Cadmium	108-1	2484	2217	2394	2365	5.74	cps
Cadmium	106-1	5578	5588	5371	5512	2.22	cps
Cadmium	111-1	33490	33994	33225	33570	1.16	cps
Calcium	43-1	439765	440562	447115	442481	0.91	cps
Calcium	44-1	6946138	6893375	6957471	6932328	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2393925	2428405	2371917	2398082	1.19	cps
Cobalt	59-2	303230	302738	303206	303058	0.09	cps
Copper	63-2	5194286	5195018	5201517	5196940	0.08	cps
Dysprosium	156-1	100359	102753	101313	101475	1.19	cps
Dysprosium	156-2	98073	98566	99204	98614	0.58	cps
Erbium	164-1	97824	99774	101201	99599	1.70	cps
Erbium	164-2	76582	74819	76830	76077	1.44	cps
Gadolinium	160-1	106062	108299	108245	107535	1.19	cps
Gadolinium	160-2	85647	85915	86535	86032	0.53	cps
Holmium	165-1	4587663	4803628	4716224	4702505	2.31	cps
Holmium	165-2	3673688	3610036	3634151	3639292	0.88	cps
Indium	115-1	3676742	3678916	3671215	3675624	0.11	cps
Indium	115-2	1442833	1436359	1436634	1438609	0.25	cps
Iron	56-2	536612379	532935632	532195045	533914352	0.44	cps
Iron	57-2	12939032	12804047	12789433	12844171	0.64	cps
Iron	54-2	29239294	29231549	29513493	29328112	0.55	cps
Krypton	83-1	520	547	480	516	6.51	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-06	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP03-2025-2(	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:26:48	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11347719	11425782	11602649	11458716	1.14	cps
Lead	207-1	9280453	9256505	9457843	9331600	1.18	cps
Lead	208-1	43576096	43382843	44300445	43753128	1.11	cps
Lithium	6-1	642543	652510	650839	648630	0.82	cps
Magnesium	24-2	11610107	11417788	11618292	11548729	0.98	cps
Manganese	55-2	6205859	6190088	6285829	6227259	0.82	cps
Molybdenum	94-1	185096	186642	187858	186532	0.74	cps
Molybdenum	95-1	23259	23492	23993	23581	1.59	cps
Molybdenum	96-1	55358	56074	56646	56026	1.15	cps
Molybdenum	97-1	14377	14397	14464	14413	0.32	cps
Molybdenum	98-1	37428	37959	38494	37961	1.40	cps
Neodymium	150-1	158363	159947	160355	159555	0.66	cps
Neodymium	150-2	104531	102436	101862	102943	1.36	cps
Nickel	60-2	368098	366275	370917	368430	0.63	cps
Phosphorus	31-2	73114	73050	73804	73322	0.57	cps
Potassium	39-2	3984719	4050652	4014953	4016775	0.82	cps
Rhodium	103-1	3572741	3617147	3564039	3584642	0.79	cps
Rhodium	103-2	2577764	2500513	2452668	2510315	2.51	cps
Scandium	45-1	2499747	2518204	2528378	2515443	0.58	cps
Scandium	45-2	270727	266015	269199	268647	0.89	cps
Selenium	82-1	2125	2173	2202	2167	1.80	cps
Selenium	77-2	650	647	633	643	1.37	cps
Selenium	78-2	1313	1307	1330	1317	0.91	cps
Silicon	28-1	4010145	4307369	4060861	4126125	3.85	cps
Silver	107-1	160714	165372	165917	164001	1.74	cps
Silver	109-1	152934	155586	155475	154665	0.97	cps
Sodium	23-2	4802962	4735246	4702218	4746808	1.08	cps
Strontium	86-1	481439	495450	492678	489856	1.51	cps
Strontium	88-1	4439185	4370290	4405417	4404964	0.78	cps
Sulfur	34-1	1936750	1962457	1952384	1950530	0.66	cps
Terbium	159-1	4624700	4717571	4706211	4682827	1.08	cps
Terbium	159-2	3566691	3566804	3542506	3558667	0.39	cps
Thallium	203-1	11191	11395	11478	11355	1.30	cps
Thallium	205-1	27157	26423	27922	27167	2.76	cps
Tin	118-1	799291	815290	807895	807492	0.99	cps
Titanium	47-1	976539	982625	980936	980033	0.32	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-06	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP03-2025-2(	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:26:48	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	129113	130284	130931	130109	0.71	cps
Vanadium	51-2	560338	553396	558286	557340	0.64	cps
Yttrium	89-1	7809701	8023176	7969363	7934080	1.40	cps
Yttrium	89-2	2459776	2437589	2418728	2438698	0.84	cps
Zinc	66-2	1689020	1687823	1678057	1684967	0.36	cps
Zirconium	90-1	466539	475365	473514	471806	0.99	cps
Zirconium	91-1	103368	106829	105369	105188	1.65	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:29:53	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11317933	11158494	11256993	11244473	0.72	cps
Antimony	121-1	8589	8789	8669	8683	1.16	cps
Arsenic	75-2	163993	164888	165430	164770	0.44	cps
Barium	135-1	1992164	1929610	1997159	1972978	1.91	cps
Barium	137-1	3377560	3520299	3458096	3451985	2.07	cps
Beryllium	9-1	4107	4231	4164	4167	1.48	cps
Bismuth	209-1	2941672	3060529	3053204	3018468	2.21	cps
Bismuth	209-2	2731117	2682521	2741253	2718297	1.15	cps
Bromine	81-1	231686	274854	291923	266155	11.66	cps
Bromine	81-2	65508	65190	66077	65591	0.69	cps
Cadmium	108-1	1520	1463	1517	1500	2.12	cps
Cadmium	106-1	4097	4364	4161	4207	3.31	cps
Cadmium	111-1	19421	19685	19281	19462	1.05	cps
Calcium	43-1	334112	337187	336234	335845	0.47	cps
Calcium	44-1	5238038	5291759	5152532	5227443	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1774653	1819499	1840150	1811434	1.85	cps
Cobalt	59-2	301151	300357	302207	301239	0.31	cps
Copper	63-2	5195436	5213923	5126873	5178744	0.89	cps
Dysprosium	156-1	96969	96724	98358	97350	0.91	cps
Dysprosium	156-2	93975	95102	94365	94481	0.61	cps
Erbium	164-1	94581	95504	97089	95725	1.32	cps
Erbium	164-2	74357	71991	74478	73608	1.90	cps
Gadolinium	160-1	102321	104403	104665	103796	1.24	cps
Gadolinium	160-2	85298	83869	82646	83938	1.58	cps
Holmium	165-1	4791790	4826790	4806831	4808470	0.37	cps
Holmium	165-2	3675137	3849048	3655673	3726619	2.86	cps
Indium	115-1	3648159	3593021	3693689	3644956	1.38	cps
Indium	115-2	1446842	1453736	1456917	1452498	0.35	cps
Iron	56-2	638815310	629573137	634015444	634134631	0.73	cps
Iron	57-2	15449762	15506959	15541780	15499500	0.30	cps
Iron	54-2	34740634	34223467	34701964	34555355	0.83	cps
Krypton	83-1	573	500	520	531	7.14	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:29:53	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15938954	15605859	15933251	15826021	1.20	cps
Lead	207-1	13229891	13140943	13181912	13184249	0.34	cps
Lead	208-1	59933975	61556905	61727135	61072672	1.62	cps
Lithium	6-1	640370	635858	644583	640270	0.68	cps
Magnesium	24-2	10682762	10676099	10519553	10626138	0.87	cps
Manganese	55-2	6305732	6172289	6342026	6273349	1.42	cps
Molybdenum	94-1	194875	198183	197467	196842	0.88	cps
Molybdenum	95-1	40927	41158	41342	41142	0.50	cps
Molybdenum	96-1	73614	75166	75260	74680	1.24	cps
Molybdenum	97-1	24881	26447	25108	25479	3.32	cps
Molybdenum	98-1	65767	65707	64803	65426	0.83	cps
Neodymium	150-1	151262	154333	154493	153363	1.19	cps
Neodymium	150-2	100576	100119	100069	100255	0.28	cps
Nickel	60-2	334249	335985	332971	334402	0.45	cps
Phosphorus	31-2	36433	36119	35648	36067	1.10	cps
Potassium	39-2	3796801	3788675	3743177	3776218	0.77	cps
Rhodium	103-1	3617270	3574969	3615077	3602439	0.66	cps
Rhodium	103-2	2483565	2487513	2461002	2477360	0.58	cps
Scandium	45-1	2470808	2476960	2516452	2488074	1.00	cps
Scandium	45-2	271381	272263	269515	271053	0.52	cps
Selenium	82-1	2707	2920	2698	2775	4.53	cps
Selenium	77-2	787	700	623	703	11.62	cps
Selenium	78-2	1567	1657	1537	1587	3.94	cps
Silicon	28-1	12728433	13189481	16107949	14008621	13.08	cps
Silver	107-1	120539	123383	126574	123499	2.44	cps
Silver	109-1	115335	117623	119774	117577	1.89	cps
Sodium	23-2	2071072	2002037	2029510	2034206	1.71	cps
Strontium	86-1	338878	340527	341964	340456	0.45	cps
Strontium	88-1	3125048	3123488	3130450	3126329	0.12	cps
Sulfur	34-1	2295318	2302584	2310951	2302951	0.34	cps
Terbium	159-1	4734433	4742882	4850925	4776080	1.36	cps
Terbium	159-2	3531991	3614009	3584942	3576981	1.16	cps
Thallium	203-1	12166	11568	11732	11822	2.61	cps
Thallium	205-1	28263	28243	27762	28089	1.01	cps
Tin	118-1	551488	561093	564786	559122	1.23	cps
Titanium	47-1	1011162	1019460	1028706	1019776	0.86	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:29:53	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	133515	132914	133449	133293	0.25	cps
Vanadium	51-2	543471	544075	543343	543630	0.07	cps
Yttrium	89-1	8097758	7920180	8018742	8012226	1.11	cps
Yttrium	89-2	2418108	2433106	2491989	2447734	1.60	cps
Zinc	66-2	1971378	1968533	1950978	1963630	0.56	cps
Zirconium	90-1	472879	474398	471900	473059	0.27	cps
Zirconium	91-1	105157	107377	106013	106182	1.05	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:41:09	DataFile Name :	107CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7224458	7306057	7322657	7284391	0.72	cps
Antimony	121-1	2250854	2339993	2281099	2290648	1.98	cps
Arsenic	75-2	183152	184446	182855	183484	0.46	cps
Barium	135-1	2670612	2706411	2672878	2683300	0.75	cps
Barium	137-1	4634201	4696440	4596872	4642504	1.08	cps
Beryllium	9-1	397392	402569	412282	404081	1.87	cps
Bismuth	209-1	2769140	2801170	2805408	2791906	0.71	cps
Bismuth	209-2	2490848	2483577	2480145	2484857	0.22	cps
Bromine	81-1	16756	15832	15512	16033	4.03	cps
Bromine	81-2	1807	1697	1823	1776	3.88	cps
Cadmium	108-1	44622	45655	45792	45356	1.41	cps
Cadmium	106-1	63686	63240	64218	63715	0.77	cps
Cadmium	111-1	630413	637374	639477	635755	0.75	cps
Calcium	43-1	3192062	3208150	3221658	3207290	0.46	cps
Calcium	44-1	52319348	51533063	52180244	52010885	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1257256	1263419	1253657	1258111	0.39	cps
Cobalt	59-2	1926132	1901736	1913520	1913796	0.64	cps
Copper	63-2	14676131	14980824	14734484	14797146	1.09	cps
Dysprosium	156-1	183	140	123	149	20.80	cps
Dysprosium	156-2	277	343	227	282	20.74	cps
Erbium	164-1	327	303	270	300	9.49	cps
Erbium	164-2	220	227	243	230	5.23	cps
Gadolinium	160-1	163	160	173	166	4.19	cps
Gadolinium	160-2	380	337	317	344	9.40	cps
Holmium	165-1	4730121	4651372	4668471	4683322	0.88	cps
Holmium	165-2	3578964	3621894	3574751	3591869	0.73	cps
Indium	115-1	3538222	3640082	3603346	3593883	1.44	cps
Indium	115-2	1395074	1405524	1401924	1400840	0.38	cps
Iron	56-2	284933209	288369496	291302069	288201591	1.11	cps
Iron	57-2	7187558	7409603	7087531	7228231	2.28	cps
Iron	54-2	15747980	15931357	15345049	15674795	1.91	cps
Krypton	83-1	433	427	317	392	16.70	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:41:09	DataFile Name :	107CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9163231	9093149	9168997	9141792	0.46	cps
Lead	207-1	7657871	7611151	7704590	7657870	0.61	cps
Lead	208-1	34768011	35186657	35160255	35038308	0.67	cps
Lithium	6-1	597646	604412	609261	603773	0.97	cps
Magnesium	24-2	65962127	65827197	65026534	65605286	0.77	cps
Manganese	55-2	10375951	10606697	10339750	10440800	1.39	cps
Molybdenum	94-1	8273591	8457758	8562199	8431183	1.73	cps
Molybdenum	95-1	11962749	11866884	12125978	11985204	1.09	cps
Molybdenum	96-1	12971799	13169957	13199466	13113741	0.94	cps
Molybdenum	97-1	7310381	7213714	7573465	7365853	2.53	cps
Molybdenum	98-1	19408620	19836166	19069570	19438119	1.98	cps
Neodymium	150-1	153	170	147	157	7.67	cps
Neodymium	150-2	53	90	83	76	25.85	cps
Nickel	60-2	486719	485527	482971	485072	0.39	cps
Phosphorus	31-2	86218	84716	84002	84979	1.33	cps
Potassium	39-2	33268759	33788932	33877130	33644940	0.98	cps
Rhodium	103-1	3547669	3506333	3553336	3535779	0.73	cps
Rhodium	103-2	2342398	2420306	2356103	2372936	1.75	cps
Scandium	45-1	2275818	2268110	2236326	2260084	0.93	cps
Scandium	45-2	244821	243392	242591	243601	0.46	cps
Selenium	82-1	52117	52177	52787	52361	0.71	cps
Selenium	77-2	6055	6271	6178	6168	1.76	cps
Selenium	78-2	21202	21125	21018	21115	0.44	cps
Silicon	28-1	23922795	23349864	23169576	23480745	1.67	cps
Silver	107-1	3142236	3122227	3132361	3132275	0.32	cps
Silver	109-1	2999784	3068567	2990119	3019490	1.42	cps
Sodium	23-2	101985895	99782202	102227635	101331911	1.33	cps
Strontium	86-1	745141	756681	747272	749698	0.82	cps
Strontium	88-1	6763814	6751501	6699247	6738188	0.51	cps
Sulfur	34-1	376353	370236	375568	374052	0.89	cps
Terbium	159-1	4664507	4620607	4620006	4635040	0.55	cps
Terbium	159-2	3454480	3500671	3360275	3438475	2.08	cps
Thallium	203-1	2200578	2222328	2279344	2234083	1.82	cps
Thallium	205-1	5264587	5500750	5395452	5386930	2.20	cps
Tin	118-1	1881002	1946746	1880223	1902657	2.01	cps
Titanium	47-1	3177698	3144488	3172187	3164791	0.56	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:41:09	DataFile Name :	107CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6478532	6618456	6558383	6551790	1.07	cps
Vanadium	51-2	1045759	1047693	1048584	1047345	0.14	cps
Yttrium	89-1	6677609	6553013	6603223	6611281	0.95	cps
Yttrium	89-2	1941617	1979150	1952213	1957660	0.99	cps
Zinc	66-2	2831847	2751986	2812544	2798793	1.49	cps
Zirconium	90-1	4090793	4138957	4145788	4125179	0.73	cps
Zirconium	91-1	887326	910167	904874	900789	1.33	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:49:58	DataFile Name :	108CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	553	563	450	522	12.02	cps
Antimony	121-1	273	273	260	269	2.86	cps
Arsenic	75-2	11	8	15	11	30.34	cps
Barium	135-1	50	60	40	50	20.00	cps
Barium	137-1	83	63	77	74	13.68	cps
Beryllium	9-1	10	23	17	17	39.99	cps
Bismuth	209-1	2879798	2878716	2798694	2852403	1.63	cps
Bismuth	209-2	2589658	2536338	2512346	2546114	1.55	cps
Bromine	81-1	9937	9837	9566	9780	1.96	cps
Bromine	81-2	690	670	603	654	6.93	cps
Cadmium	108-1	3	3	7	4	43.40	cps
Cadmium	106-1	1373	1343	1553	1423	7.98	cps
Cadmium	111-1	1006	955	1103	1021	7.36	cps
Calcium	43-1	193	150	157	167	14.00	cps
Calcium	44-1	17173	16856	17053	17028	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1443	1480	1553	1492	3.75	cps
Cobalt	59-2	73	83	53	70	21.82	cps
Copper	63-2	1240	1180	1150	1190	3.85	cps
Dysprosium	156-1	7	7	7	7	0.00	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	23	17	13	18	28.64	cps
Erbium	164-2	23	10	10	14	53.28	cps
Gadolinium	160-1	13	37	33	28	45.44	cps
Gadolinium	160-2	227	227	210	221	4.35	cps
Holmium	165-1	4521534	4432796	4490900	4481743	1.01	cps
Holmium	165-2	3486985	3491941	3384807	3454578	1.75	cps
Indium	115-1	3699536	3571895	3631359	3634263	1.76	cps
Indium	115-2	1404499	1403677	1407412	1405196	0.14	cps
Iron	56-2	25078	26604	27388	26357	4.46	cps
Iron	57-2	1537	1480	1557	1524	2.61	cps
Iron	54-2	2397	2547	2610	2518	4.35	cps
Krypton	83-1	340	347	333	340	1.96	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:49:58	DataFile Name :	108CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	563	503	600	556	8.78	cps
Lead	207-1	410	477	423	437	8.08	cps
Lead	208-1	2060	2143	2250	2151	4.43	cps
Lithium	6-1	579151	581296	580998	580482	0.20	cps
Magnesium	24-2	407	537	653	532	23.19	cps
Manganese	55-2	657	613	713	661	7.59	cps
Molybdenum	94-1	307	283	330	307	7.61	cps
Molybdenum	95-1	287	263	220	257	13.18	cps
Molybdenum	96-1	317	283	300	300	5.55	cps
Molybdenum	97-1	147	137	147	143	4.03	cps
Molybdenum	98-1	403	437	397	412	5.20	cps
Neodymium	150-1	0	3	3	2	86.60	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	313	377	437	376	16.42	cps
Phosphorus	31-2	350	387	323	353	9.00	cps
Potassium	39-2	57903	57796	58405	58035	0.56	cps
Rhodium	103-1	3584268	3663098	3693205	3646857	1.54	cps
Rhodium	103-2	2469125	2462142	2456809	2462692	0.25	cps
Scandium	45-1	2117501	2140316	2222368	2160062	2.55	cps
Scandium	45-2	232715	233381	228516	231537	1.14	cps
Selenium	82-1	290	245	241	258	10.51	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	297	347	370	338	11.09	cps
Silicon	28-1	592118	587499	581545	587054	0.90	cps
Silver	107-1	143	137	123	134	7.57	cps
Silver	109-1	93	93	87	91	4.22	cps
Sodium	23-2	42211	42525	41747	42161	0.93	cps
Strontium	86-1	587	540	560	562	4.16	cps
Strontium	88-1	160	127	160	149	12.92	cps
Sulfur	34-1	150567	152058	150361	150995	0.61	cps
Terbium	159-1	4467443	4547038	4482032	4498838	0.94	cps
Terbium	159-2	3448941	3360257	3324731	3377976	1.89	cps
Thallium	203-1	277	277	240	264	8.01	cps
Thallium	205-1	677	620	663	653	4.54	cps
Tin	118-1	1213	1157	1097	1156	5.05	cps
Titanium	47-1	67	73	90	77	15.68	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 18:49:58	DataFile Name :	108CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	43	30	36	19.51	cps
Vanadium	51-2	13	20	13	16	24.76	cps
Yttrium	89-1	6465895	6218104	6419450	6367817	2.07	cps
Yttrium	89-2	1942807	1917134	1973323	1944422	1.45	cps
Zinc	66-2	1300	1420	1350	1357	4.44	cps
Zirconium	90-1	433	343	403	393	11.65	cps
Zirconium	91-1	80	73	103	86	18.41	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:12:37	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2587543	2569036	2578010	2578196	0.36	cps
Antimony	121-1	3460	3697	3390	3516	4.57	cps
Arsenic	75-2	24156	24336	24742	24411	1.23	cps
Barium	135-1	408582	413323	411006	410970	0.58	cps
Barium	137-1	708189	717942	707089	711073	0.84	cps
Beryllium	9-1	1173	1180	1200	1185	1.17	cps
Bismuth	209-1	2912098	2837716	2838882	2862899	1.49	cps
Bismuth	209-2	2589367	2566120	2549438	2568308	0.78	cps
Bromine	81-1	103591	127758	141596	124315	15.47	cps
Bromine	81-2	30859	30956	31220	31012	0.60	cps
Cadmium	108-1	1163	1250	1300	1238	5.59	cps
Cadmium	106-1	2964	3074	3174	3070	3.42	cps
Cadmium	111-1	17623	18514	17628	17921	2.86	cps
Calcium	43-1	148610	148715	148554	148627	0.06	cps
Calcium	44-1	2334723	2418742	2364778	2372748	1.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1196861	1189598	1188330	1191596	0.39	cps
Cobalt	59-2	70957	72233	70150	71113	1.48	cps
Copper	63-2	1663105	1600931	1652496	1638844	2.03	cps
Dysprosium	156-1	20185	20595	20295	20358	1.04	cps
Dysprosium	156-2	20208	19998	20288	20165	0.74	cps
Erbium	164-1	19958	21086	20699	20581	2.79	cps
Erbium	164-2	15782	15769	15195	15582	2.15	cps
Gadolinium	160-1	21590	22014	21563	21723	1.16	cps
Gadolinium	160-2	18589	17968	18255	18271	1.70	cps
Holmium	165-1	4502890	4511011	4324213	4446038	2.37	cps
Holmium	165-2	3677348	3440948	3495468	3537921	3.50	cps
Indium	115-1	3530425	3571738	3531718	3544627	0.66	cps
Indium	115-2	1426894	1398029	1394581	1406501	1.26	cps
Iron	56-2	112430245	117291595	112935435	114219092	2.34	cps
Iron	57-2	2794857	2904770	2746602	2815410	2.88	cps
Iron	54-2	6375129	6293542	6241042	6303238	1.07	cps
Krypton	83-1	377	427	443	416	8.35	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:12:37	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2718287	2887486	2833509	2813094	3.07	cps
Lead	207-1	2291118	2301718	2325342	2306059	0.76	cps
Lead	208-1	10591572	10777388	10729655	10699538	0.90	cps
Lithium	6-1	571035	568510	572037	570527	0.32	cps
Magnesium	24-2	2856718	2822858	2825825	2835134	0.66	cps
Manganese	55-2	951708	946580	940726	946338	0.58	cps
Molybdenum	94-1	50089	49520	49768	49792	0.57	cps
Molybdenum	95-1	11201	11338	11218	11252	0.66	cps
Molybdenum	96-1	19533	19760	19910	19735	0.96	cps
Molybdenum	97-1	7068	7205	6915	7063	2.06	cps
Molybdenum	98-1	18328	18248	18328	18302	0.25	cps
Neodymium	150-1	33446	33109	32625	33060	1.25	cps
Neodymium	150-2	22067	20859	21640	21522	2.85	cps
Nickel	60-2	120515	121213	120581	120770	0.32	cps
Phosphorus	31-2	21529	21789	21899	21739	0.88	cps
Potassium	39-2	1069631	1080828	1067689	1072716	0.66	cps
Rhodium	103-1	3651676	3572671	3521808	3582051	1.83	cps
Rhodium	103-2	2459537	2445369	2388401	2431102	1.55	cps
Scandium	45-1	2246164	2230973	2185665	2220934	1.42	cps
Scandium	45-2	240715	240743	238734	240064	0.48	cps
Selenium	82-1	649	601	642	631	4.17	cps
Selenium	77-2	137	177	140	151	14.69	cps
Selenium	78-2	603	527	637	589	9.58	cps
Silicon	28-1	5224438	5769770	5274886	5423031	5.56	cps
Silver	107-1	62728	63843	63324	63299	0.88	cps
Silver	109-1	58531	59719	60964	59738	2.04	cps
Sodium	23-2	3455039	3435650	3450192	3446960	0.29	cps
Strontium	86-1	167631	166362	167295	167096	0.39	cps
Strontium	88-1	1510464	1563911	1517234	1530536	1.90	cps
Sulfur	34-1	641392	634442	624318	633384	1.36	cps
Terbium	159-1	4511606	4554662	4547170	4537813	0.51	cps
Terbium	159-2	3357252	3380292	3363242	3366929	0.36	cps
Thallium	203-1	2090	2364	2410	2288	7.56	cps
Thallium	205-1	5178	5294	5321	5264	1.45	cps
Tin	118-1	208009	209625	209144	208926	0.40	cps
Titanium	47-1	288824	288100	287864	288263	0.17	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO1-039085-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:12:37	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	31422	31548	31666	31545	0.39	cps
Vanadium	51-2	197026	195281	195177	195828	0.53	cps
Yttrium	89-1	6670990	6791103	6633365	6698486	1.23	cps
Yttrium	89-2	2021692	2014601	1988510	2008268	0.87	cps
Zinc	66-2	551599	552035	550772	551469	0.12	cps
Zirconium	90-1	118981	119902	118975	119286	0.45	cps
Zirconium	91-1	26010	26578	26691	26426	1.38	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:15:43	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1682776	1689912	1636249	1669646	1.75	cps
Antimony	121-1	3991	3927	3941	3953	0.85	cps
Arsenic	75-2	14229	14156	14239	14208	0.32	cps
Barium	135-1	283922	287511	288973	286802	0.91	cps
Barium	137-1	505899	506177	510871	507649	0.55	cps
Beryllium	9-1	683	720	680	694	3.20	cps
Bismuth	209-1	2853388	2821462	2836426	2837092	0.56	cps
Bismuth	209-2	2611573	2542382	2569984	2574646	1.35	cps
Bromine	81-1	62569	74926	82271	73255	13.59	cps
Bromine	81-2	16643	16943	16776	16787	0.90	cps
Cadmium	108-1	893	857	897	882	2.52	cps
Cadmium	106-1	2804	2660	2444	2636	6.88	cps
Cadmium	111-1	13149	13081	13191	13140	0.42	cps
Calcium	43-1	114899	116480	116148	115842	0.72	cps
Calcium	44-1	1903530	1866198	1828889	1866205	2.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	679046	680286	681629	680320	0.19	cps
Cobalt	59-2	54080	53392	53813	53762	0.65	cps
Copper	63-2	1176329	1187530	1174403	1179421	0.60	cps
Dysprosium	156-1	13240	13166	13700	13369	2.16	cps
Dysprosium	156-2	13460	13844	13847	13717	1.62	cps
Erbium	164-1	13540	13820	13663	13675	1.03	cps
Erbium	164-2	10234	10314	10287	10278	0.40	cps
Gadolinium	160-1	14624	14554	14831	14670	0.98	cps
Gadolinium	160-2	11838	12105	11952	11965	1.12	cps
Holmium	165-1	4485143	4541455	4522468	4516355	0.63	cps
Holmium	165-2	3541181	3424077	3540171	3501809	1.92	cps
Indium	115-1	3570283	3598499	3595036	3587939	0.43	cps
Indium	115-2	1428717	1444709	1424326	1432584	0.75	cps
Iron	56-2	69176344	70323502	69795996	69765281	0.82	cps
Iron	57-2	1725914	1740269	1722430	1729538	0.55	cps
Iron	54-2	3909863	3863630	3824898	3866130	1.10	cps
Krypton	83-1	337	327	370	344	6.59	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:15:43	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3332464	3380467	3376143	3363025	0.79	cps
Lead	207-1	2781938	2810503	2764749	2785730	0.83	cps
Lead	208-1	12831135	12854540	12950790	12878821	0.49	cps
Lithium	6-1	576362	585351	581140	580951	0.77	cps
Magnesium	24-2	2628743	2468006	2498197	2531649	3.37	cps
Manganese	55-2	519731	524586	519647	521321	0.54	cps
Molybdenum	94-1	30789	32443	32449	31894	3.00	cps
Molybdenum	95-1	8933	9126	9106	9055	1.17	cps
Molybdenum	96-1	14914	14094	14671	14560	2.90	cps
Molybdenum	97-1	5845	5448	5661	5651	3.51	cps
Molybdenum	98-1	14417	14190	14471	14359	1.04	cps
Neodymium	150-1	22291	22191	22598	22360	0.95	cps
Neodymium	150-2	14501	14865	14661	14676	1.24	cps
Nickel	60-2	114574	113029	111324	112976	1.44	cps
Phosphorus	31-2	14057	14527	14297	14293	1.65	cps
Potassium	39-2	687538	695376	695562	692825	0.66	cps
Rhodium	103-1	3613323	3556108	3661817	3610416	1.47	cps
Rhodium	103-2	2487653	2473055	2444317	2468342	0.89	cps
Scandium	45-1	2274402	2304336	2229361	2269366	1.66	cps
Scandium	45-2	241741	244421	244395	243519	0.63	cps
Selenium	82-1	528	559	514	533	4.28	cps
Selenium	77-2	90	80	70	80	12.50	cps
Selenium	78-2	463	443	443	450	2.57	cps
Silicon	28-1	2623071	2580022	2671479	2624857	1.74	cps
Silver	107-1	40961	41523	41272	41252	0.68	cps
Silver	109-1	38795	38859	40012	39222	1.75	cps
Sodium	23-2	3030839	3031096	2993306	3018414	0.72	cps
Strontium	86-1	100427	102847	101427	101567	1.20	cps
Strontium	88-1	879086	893484	886398	886323	0.81	cps
Sulfur	34-1	474603	470870	479242	474905	0.88	cps
Terbium	159-1	4452308	4322860	4576706	4450625	2.85	cps
Terbium	159-2	3335283	3524893	3393210	3417796	2.84	cps
Thallium	203-1	1547	1533	1673	1585	4.88	cps
Thallium	205-1	3754	3494	3520	3589	3.99	cps
Tin	118-1	137069	139263	137046	137793	0.92	cps
Titanium	47-1	205285	205065	207355	205902	0.61	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-028010-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:15:43	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20500	20339	20727	20522	0.95	cps
Vanadium	51-2	169208	169564	167647	168807	0.60	cps
Yttrium	89-1	6680755	6517018	6546802	6581525	1.33	cps
Yttrium	89-2	1988839	2021872	2008162	2006291	0.83	cps
Zinc	66-2	458996	457013	452431	456147	0.74	cps
Zirconium	90-1	73001	73430	72253	72895	0.82	cps
Zirconium	91-1	16076	16383	16590	16349	1.58	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:18:51	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2798758	2726759	2694022	2739846	1.96	cps
Antimony	121-1	1590	1710	1593	1631	4.19	cps
Arsenic	75-2	31752	31051	31470	31424	1.12	cps
Barium	135-1	473087	478764	475578	475810	0.60	cps
Barium	137-1	824662	836322	818790	826591	1.08	cps
Beryllium	9-1	980	1013	963	986	2.58	cps
Bismuth	209-1	2898071	2940611	2871036	2903239	1.21	cps
Bismuth	209-2	2653696	2643082	2578544	2625108	1.55	cps
Bromine	81-1	87131	108177	118498	104602	15.28	cps
Bromine	81-2	25055	25516	25689	25420	1.29	cps
Cadmium	108-1	393	387	363	381	4.13	cps
Cadmium	106-1	2027	2167	2114	2102	3.36	cps
Cadmium	111-1	5834	6070	5926	5943	2.00	cps
Calcium	43-1	114765	117195	115920	115960	1.05	cps
Calcium	44-1	1788527	1860578	1834022	1827709	1.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	559964	561790	558293	560016	0.31	cps
Cobalt	59-2	61807	61847	61264	61639	0.53	cps
Copper	63-2	1359647	1330451	1327781	1339293	1.32	cps
Dysprosium	156-1	22331	22825	22388	22515	1.20	cps
Dysprosium	156-2	22021	21233	21891	21715	1.95	cps
Erbium	164-1	21777	22345	21981	22034	1.30	cps
Erbium	164-2	17121	17274	16613	17003	2.03	cps
Gadolinium	160-1	24314	23961	23897	24057	0.93	cps
Gadolinium	160-2	20028	19827	19611	19822	1.05	cps
Holmium	165-1	4440688	4582478	4517340	4513502	1.57	cps
Holmium	165-2	3636896	3579250	3442320	3552822	2.81	cps
Indium	115-1	3634151	3642264	3565122	3613846	1.17	cps
Indium	115-2	1462044	1429418	1425165	1438875	1.40	cps
Iron	56-2	106198322	103399585	104807042	104801650	1.34	cps
Iron	57-2	2639640	2547667	2584622	2590643	1.79	cps
Iron	54-2	5765925	5843983	5795651	5801853	0.68	cps
Krypton	83-1	410	370	403	394	5.43	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:18:51	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2829275	2741556	2912094	2827642	3.02	cps
Lead	207-1	2332695	2308492	2425942	2355710	2.63	cps
Lead	208-1	10773444	10786147	11107598	10889063	1.74	cps
Lithium	6-1	586278	598915	592669	592620	1.07	cps
Magnesium	24-2	2668849	2612984	2574049	2618628	1.82	cps
Manganese	55-2	1160416	1146877	1149317	1152203	0.63	cps
Molybdenum	94-1	42729	42756	43378	42954	0.85	cps
Molybdenum	95-1	4761	4868	5134	4921	3.91	cps
Molybdenum	96-1	11925	12395	12018	12113	2.06	cps
Molybdenum	97-1	2820	3157	2927	2968	5.80	cps
Molybdenum	98-1	7545	8109	7572	7742	4.11	cps
Neodymium	150-1	34402	35421	35281	35035	1.58	cps
Neodymium	150-2	23136	22849	22592	22859	1.19	cps
Nickel	60-2	70247	70307	68904	69819	1.14	cps
Phosphorus	31-2	22233	21285	21418	21645	2.37	cps
Potassium	39-2	1178161	1160674	1148669	1162501	1.28	cps
Rhodium	103-1	3609182	3679748	3608708	3632546	1.13	cps
Rhodium	103-2	2588835	2531814	2504163	2541604	1.70	cps
Scandium	45-1	2276953	2339357	2293643	2303318	1.40	cps
Scandium	45-2	251764	249391	245609	248922	1.25	cps
Selenium	82-1	933	1029	982	981	4.87	cps
Selenium	77-2	187	217	190	198	8.31	cps
Selenium	78-2	657	707	727	697	5.18	cps
Silicon	28-1	2639856	2532187	2454115	2542052	3.67	cps
Silver	107-1	34431	35086	35841	35119	2.01	cps
Silver	109-1	32436	33074	32724	32745	0.98	cps
Sodium	23-2	2857885	2816261	2797103	2823750	1.10	cps
Strontium	86-1	109974	112614	113072	111887	1.49	cps
Strontium	88-1	971427	981248	969339	974004	0.65	cps
Sulfur	34-1	489635	498434	499908	495992	1.12	cps
Terbium	159-1	4436611	4570247	4513690	4506849	1.49	cps
Terbium	159-2	3470102	3387108	3486964	3448058	1.55	cps
Thallium	203-1	2870	2934	2767	2857	2.95	cps
Thallium	205-1	6535	6975	6655	6722	3.39	cps
Tin	118-1	359950	366497	366663	364370	1.05	cps
Titanium	47-1	206596	212391	210313	209767	1.40	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-SO3-010013-202	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:18:51	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25518	25542	25168	25409	0.82	cps
Vanadium	51-2	132452	131379	130344	131392	0.80	cps
Yttrium	89-1	6750136	6900848	6723711	6791565	1.41	cps
Yttrium	89-2	2126938	2076907	2056774	2086873	1.73	cps
Zinc	66-2	439718	439464	431553	436912	1.06	cps
Zirconium	90-1	109186	109674	108857	109239	0.38	cps
Zirconium	91-1	23899	24364	24367	24210	1.11	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:22:00	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3607149	3643755	3677977	3642960	0.97	cps
Antimony	121-1	860	857	807	841	3.55	cps
Arsenic	75-2	38694	38585	37366	38215	1.93	cps
Barium	135-1	174503	178175	176375	176351	1.04	cps
Barium	137-1	303261	309050	309769	307360	1.16	cps
Beryllium	9-1	1257	1373	1157	1262	8.59	cps
Bismuth	209-1	2838341	2841421	2859465	2846409	0.40	cps
Bismuth	209-2	2660798	2577776	2583109	2607228	1.78	cps
Bromine	81-1	144543	184606	199626	176258	16.15	cps
Bromine	81-2	42424	43126	43357	42969	1.13	cps
Cadmium	108-1	190	217	177	194	10.47	cps
Cadmium	106-1	1980	1967	2020	1989	1.40	cps
Cadmium	111-1	2747	2632	2811	2730	3.32	cps
Calcium	43-1	100773	101276	101699	101249	0.46	cps
Calcium	44-1	1601772	1576552	1608860	1595728	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	313773	315580	310129	313161	0.89	cps
Cobalt	59-2	79878	80541	80555	80325	0.48	cps
Copper	63-2	908684	904478	896892	903351	0.66	cps
Dysprosium	156-1	28820	29388	28412	28873	1.70	cps
Dysprosium	156-2	28252	27631	27674	27852	1.25	cps
Erbium	164-1	28272	28205	28797	28425	1.14	cps
Erbium	164-2	21427	21587	21617	21543	0.47	cps
Gadolinium	160-1	30156	30891	30958	30668	1.45	cps
Gadolinium	160-2	25366	24638	25250	25085	1.56	cps
Holmium	165-1	4691442	4608652	4538176	4612757	1.66	cps
Holmium	165-2	3690997	3486794	3546671	3574821	2.94	cps
Indium	115-1	3750526	3653922	3624401	3676283	1.79	cps
Indium	115-2	1437075	1434594	1424784	1432151	0.45	cps
Iron	56-2	138312228	137405135	134187678	136635014	1.59	cps
Iron	57-2	3284402	3349616	3341397	3325138	1.07	cps
Iron	54-2	7700440	7560298	7516834	7592524	1.26	cps
Krypton	83-1	450	370	347	389	13.94	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:22:00	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1945801	2015956	1961671	1974476	1.86	cps
Lead	207-1	1437264	1470513	1459071	1455616	1.16	cps
Lead	208-1	7414914	7509439	7441792	7455382	0.65	cps
Lithium	6-1	602334	604656	614439	607143	1.06	cps
Magnesium	24-2	3040383	3044977	3043025	3042795	0.08	cps
Manganese	55-2	2661471	2646366	2698044	2668627	1.00	cps
Molybdenum	94-1	52099	52491	52350	52313	0.38	cps
Molybdenum	95-1	3610	3731	3577	3639	2.22	cps
Molybdenum	96-1	12689	12799	12706	12731	0.47	cps
Molybdenum	97-1	2260	2447	2257	2321	4.69	cps
Molybdenum	98-1	5641	6101	5751	5831	4.12	cps
Neodymium	150-1	43875	44453	44085	44138	0.66	cps
Neodymium	150-2	29374	29534	28509	29139	1.89	cps
Nickel	60-2	69711	69095	69417	69408	0.44	cps
Phosphorus	31-2	19426	20003	19392	19607	1.75	cps
Potassium	39-2	1314856	1321671	1305031	1313853	0.64	cps
Rhodium	103-1	3645939	3629903	3635780	3637207	0.22	cps
Rhodium	103-2	2512847	2554429	2447422	2504900	2.15	cps
Scandium	45-1	2378162	2350862	2366404	2365143	0.58	cps
Scandium	45-2	250080	251036	248687	249934	0.47	cps
Selenium	82-1	504	582	600	562	9.06	cps
Selenium	77-2	163	180	147	163	10.20	cps
Selenium	78-2	543	503	523	523	3.82	cps
Silicon	28-1	6440902	6414945	6432370	6429406	0.21	cps
Silver	107-1	10731	10871	10724	10775	0.77	cps
Silver	109-1	10324	10264	9823	10137	2.70	cps
Sodium	23-2	2181194	2152415	2151341	2161650	0.78	cps
Strontium	86-1	102417	103250	103367	103011	0.50	cps
Strontium	88-1	891666	903932	899310	898303	0.69	cps
Sulfur	34-1	429808	430055	428802	429555	0.15	cps
Terbium	159-1	4533725	4653992	4539114	4575611	1.48	cps
Terbium	159-2	3446725	3435797	3418860	3433794	0.41	cps
Thallium	203-1	1530	1440	1643	1538	6.63	cps
Thallium	205-1	3781	3507	3697	3662	3.83	cps
Tin	118-1	176891	181328	176218	178146	1.56	cps
Titanium	47-1	267335	273863	272469	271223	1.27	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:22:00	DataFile Name :	112SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18817	20026	19879	19574	3.37	cps
Vanadium	51-2	141557	141594	139540	140897	0.83	cps
Yttrium	89-1	7000584	6915797	6929980	6948787	0.65	cps
Yttrium	89-2	2147593	2123808	2098948	2123450	1.15	cps
Zinc	66-2	279075	278061	274090	277075	0.95	cps
Zirconium	90-1	137671	137034	138444	137716	0.51	cps
Zirconium	91-1	30505	30225	30318	30349	0.47	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUPl	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:25:13	DataFile Name :	113SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3749852	3614653	3632043	3665516	2.01	cps
Antimony	121-1	793	890	890	858	6.51	cps
Arsenic	75-2	38002	37513	37807	37774	0.65	cps
Barium	135-1	178761	177004	179113	178292	0.63	cps
Barium	137-1	310029	305807	311634	309156	0.97	cps
Beryllium	9-1	1217	1160	1213	1197	2.66	cps
Bismuth	209-1	2884677	2887561	2823335	2865191	1.27	cps
Bismuth	209-2	2554733	2624560	2571614	2583636	1.41	cps
Bromine	81-1	149224	185729	199822	178258	14.65	cps
Bromine	81-2	43798	43644	43414	43619	0.44	cps
Cadmium	108-1	200	173	157	177	12.37	cps
Cadmium	106-1	2107	1767	1833	1902	9.47	cps
Cadmium	111-1	2772	2799	2611	2727	3.73	cps
Calcium	43-1	100639	100873	100642	100718	0.13	cps
Calcium	44-1	1604013	1554738	1534873	1564541	2.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	317591	315829	311296	314905	1.03	cps
Cobalt	59-2	79962	81715	81131	80936	1.10	cps
Copper	63-2	904803	909191	909017	907671	0.27	cps
Dysprosium	156-1	29023	29164	28536	28908	1.14	cps
Dysprosium	156-2	28082	27731	27594	27802	0.90	cps
Erbium	164-1	28366	28202	28406	28324	0.38	cps
Erbium	164-2	22144	22004	22184	22111	0.43	cps
Gadolinium	160-1	30273	30801	30630	30568	0.88	cps
Gadolinium	160-2	25022	25002	24855	24960	0.37	cps
Holmium	165-1	4588674	4502452	4457539	4516222	1.48	cps
Holmium	165-2	3541962	3575647	3570061	3562557	0.51	cps
Indium	115-1	3742388	3481862	3629555	3617935	3.61	cps
Indium	115-2	1419226	1422884	1436408	1426173	0.63	cps
Iron	56-2	136200515	136879785	135801735	136294011	0.40	cps
Iron	57-2	3401277	3309731	3401644	3370884	1.57	cps
Iron	54-2	7503949	7491839	7428417	7474735	0.54	cps
Krypton	83-1	363	433	430	409	9.66	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUPl	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:25:13	DataFile Name :	113SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2034480	2018224	1986277	2012994	1.22	cps
Lead	207-1	1464202	1453987	1452683	1456957	0.43	cps
Lead	208-1	7516452	7563008	7396715	7492058	1.15	cps
Lithium	6-1	607158	599296	598796	601750	0.78	cps
Magnesium	24-2	3049011	3037898	3137916	3074941	1.78	cps
Manganese	55-2	2602798	2583049	2627840	2604562	0.86	cps
Molybdenum	94-1	52892	51915	52651	52486	0.97	cps
Molybdenum	95-1	3681	3764	3704	3716	1.16	cps
Molybdenum	96-1	12242	12472	12586	12433	1.41	cps
Molybdenum	97-1	2237	2390	2377	2335	3.64	cps
Molybdenum	98-1	5801	5681	5805	5762	1.22	cps
Neodymium	150-1	45313	43467	44156	44312	2.11	cps
Neodymium	150-2	29247	28552	28759	28853	1.24	cps
Nickel	60-2	70941	70214	70066	70407	0.67	cps
Phosphorus	31-2	19589	19162	20057	19603	2.28	cps
Potassium	39-2	1288849	1326142	1321914	1312301	1.56	cps
Rhodium	103-1	3652097	3679450	3566688	3632745	1.62	cps
Rhodium	103-2	2458826	2433141	2473970	2455312	0.84	cps
Scandium	45-1	2334802	2310096	2393297	2346065	1.82	cps
Scandium	45-2	248420	247900	251518	249279	0.78	cps
Selenium	82-1	593	527	529	550	6.85	cps
Selenium	77-2	147	150	193	163	15.94	cps
Selenium	78-2	547	527	460	511	8.88	cps
Silicon	28-1	6493844	6527854	6461794	6494497	0.51	cps
Silver	107-1	10911	10621	10797	10776	1.36	cps
Silver	109-1	9897	9630	10094	9873	2.36	cps
Sodium	23-2	2158813	2161292	2204515	2174874	1.18	cps
Strontium	86-1	102558	102591	104804	103318	1.25	cps
Strontium	88-1	899986	900104	905184	901758	0.33	cps
Sulfur	34-1	430346	429989	426592	428976	0.48	cps
Terbium	159-1	4496829	4504790	4485281	4495633	0.22	cps
Terbium	159-2	3454705	3398430	3415273	3422803	0.84	cps
Thallium	203-1	1393	1603	1490	1496	7.03	cps
Thallium	205-1	3637	3624	3500	3587	2.10	cps
Tin	118-1	357771	354701	359396	357289	0.67	cps
Titanium	47-1	269052	269387	271074	269837	0.40	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015DUPl	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:25:13	DataFile Name :	113SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	19261	19481	19542	19428	0.76	cps
Vanadium	51-2	142677	140350	142180	141736	0.86	cps
Yttrium	89-1	7022608	6802319	7006078	6943668	1.77	cps
Yttrium	89-2	2071123	2046057	2093148	2070109	1.14	cps
Zinc	66-2	278155	278123	276325	277534	0.38	cps
Zirconium	90-1	138144	137290	138384	137939	0.42	cps
Zirconium	91-1	30819	30589	30739	30716	0.38	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LDLX25	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015LDL	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 19:28:22	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	704203	701337	693810	699783	0.77	cps
Antimony	121-1	200	187	200	196	3.94	cps
Arsenic	75-2	7265	7175	7353	7264	1.22	cps
Barium	135-1	34398	34488	33783	34223	1.12	cps
Barium	137-1	59604	60501	60076	60061	0.75	cps
Beryllium	9-1	297	267	313	292	8.09	cps
Bismuth	209-1	2782502	2816946	2788038	2795829	0.66	cps
Bismuth	209-2	2558114	2556567	2498776	2537819	1.33	cps
Bromine	81-1	47135	53346	55327	51936	8.23	cps
Bromine	81-2	10150	10167	10047	10121	0.64	cps
Cadmium	108-1	53	73	57	61	17.53	cps
Cadmium	106-1	1683	1483	1487	1551	7.38	cps
Cadmium	111-1	1484	1304	1284	1358	8.13	cps
Calcium	43-1	19429	19539	19863	19611	1.15	cps
Calcium	44-1	328129	330659	331317	330035	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	63044	61528	61940	62171	1.26	cps
Cobalt	59-2	16262	15605	15922	15930	2.06	cps
Copper	63-2	180148	178148	175201	177832	1.40	cps
Dysprosium	156-1	5368	5641	5451	5487	2.55	cps
Dysprosium	156-2	5234	5424	5691	5450	4.21	cps
Erbium	164-1	5481	5568	5388	5479	1.64	cps
Erbium	164-2	4214	4307	4254	4258	1.10	cps
Gadolinium	160-1	6008	6011	6028	6016	0.18	cps
Gadolinium	160-2	5008	5021	4984	5004	0.37	cps
Holmium	165-1	4448999	4486420	4346669	4427363	1.63	cps
Holmium	165-2	3565410	3550331	3507134	3540959	0.85	cps
Indium	115-1	3648372	3659655	3605991	3638006	0.78	cps
Indium	115-2	1453951	1436697	1432492	1441047	0.79	cps
Iron	56-2	26526164	26448972	26116085	26363740	0.83	cps
Iron	57-2	669460	659170	661397	663342	0.82	cps
Iron	54-2	1501536	1440158	1479210	1473635	2.11	cps
Krypton	83-1	353	330	343	342	3.42	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LDLX25	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015LDL	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 19:28:22	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	347864	345638	350113	347872	0.64	cps
Lead	207-1	278738	284180	284754	282557	1.17	cps
Lead	208-1	1303987	1324210	1330286	1319494	1.04	cps
Lithium	6-1	578334	575724	580611	578223	0.42	cps
Magnesium	24-2	587967	584327	577386	583227	0.92	cps
Manganese	55-2	501035	506332	498281	501883	0.82	cps
Molybdenum	94-1	10317	10330	10357	10335	0.20	cps
Molybdenum	95-1	837	777	767	793	4.77	cps
Molybdenum	96-1	2547	2527	2704	2592	3.73	cps
Molybdenum	97-1	523	493	533	517	4.03	cps
Molybdenum	98-1	1340	1347	1423	1370	3.38	cps
Neodymium	150-1	8496	8516	8516	8509	0.14	cps
Neodymium	150-2	5888	5761	5761	5803	1.26	cps
Nickel	60-2	14407	13870	14077	14118	1.92	cps
Phosphorus	31-2	4104	4444	4151	4233	4.36	cps
Potassium	39-2	313013	314891	310319	312741	0.73	cps
Rhodium	103-1	3658132	3522510	3634955	3605199	2.01	cps
Rhodium	103-2	2464722	2527726	2428482	2473643	2.03	cps
Scandium	45-1	2259183	2210344	2256156	2241894	1.22	cps
Scandium	45-2	240079	239647	243606	241111	0.90	cps
Selenium	82-1	337	303	368	336	9.59	cps
Selenium	77-2	20	23	20	21	9.11	cps
Selenium	78-2	390	433	400	408	5.56	cps
Silicon	28-1	1875039	1910956	1940086	1908694	1.71	cps
Silver	107-1	2174	2037	2157	2122	3.51	cps
Silver	109-1	2084	2150	2007	2080	3.45	cps
Sodium	23-2	437891	437174	434305	436457	0.43	cps
Strontium	86-1	20554	20631	20438	20541	0.47	cps
Strontium	88-1	174804	175472	176818	175698	0.58	cps
Sulfur	34-1	181134	181815	181790	181579	0.21	cps
Terbium	159-1	4523004	4462861	4536655	4507506	0.87	cps
Terbium	159-2	3487959	3391595	3388197	3422584	1.65	cps
Thallium	203-1	380	410	363	384	6.15	cps
Thallium	205-1	890	863	903	886	2.30	cps
Tin	118-1	53262	52950	53552	53255	0.57	cps
Titanium	47-1	52404	52494	52795	52564	0.39	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05LDLX25	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015LDL	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 19:28:22	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3644	3681	3681	3668	0.58	cps
Vanadium	51-2	27822	27645	27108	27525	1.35	cps
Yttrium	89-1	6599930	6488082	6578444	6555485	0.91	cps
Yttrium	89-2	2011732	2003108	2013085	2009308	0.27	cps
Zinc	66-2	55951	55981	55235	55722	0.76	cps
Zirconium	90-1	26414	26567	26277	26419	0.55	cps
Zirconium	91-1	5948	6155	6031	6045	1.72	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:31:41	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3208128	3286010	3226077	3240072	1.26	cps
Antimony	121-1	409159	408611	411714	409828	0.40	cps
Arsenic	75-2	31632	30427	30795	30951	2.00	cps
Barium	135-1	554311	550739	552264	552438	0.32	cps
Barium	137-1	956452	957286	967827	960522	0.66	cps
Beryllium	9-1	75127	77492	77515	76711	1.79	cps
Bismuth	209-1	2745373	2767164	2797850	2770129	0.95	cps
Bismuth	209-2	2540644	2461258	2520000	2507301	1.64	cps
Bromine	81-1	108275	140948	153108	134110	17.29	cps
Bromine	81-2	33384	34173	33909	33822	1.19	cps
Cadmium	108-1	8653	8523	8369	8515	1.67	cps
Cadmium	106-1	13677	13947	13219	13614	2.70	cps
Cadmium	111-1	122514	125928	122641	123694	1.56	cps
Calcium	43-1	202046	203148	204759	203318	0.67	cps
Calcium	44-1	3187240	3210716	3266829	3221595	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	486700	487174	482417	485431	0.54	cps
Cobalt	59-2	435291	428103	424204	429199	1.31	cps
Copper	63-2	3440055	3391372	3413553	3414994	0.71	cps
Dysprosium	156-1	22952	23814	23947	23571	2.29	cps
Dysprosium	156-2	23159	23166	23022	23116	0.35	cps
Erbium	164-1	22892	24061	23807	23587	2.61	cps
Erbium	164-2	18689	18315	18219	18408	1.35	cps
Gadolinium	160-1	25717	25002	25487	25402	1.44	cps
Gadolinium	160-2	20722	20619	20195	20512	1.36	cps
Holmium	165-1	4456434	4444920	4657510	4519621	2.65	cps
Holmium	165-2	3554544	3523967	3498785	3525765	0.79	cps
Indium	115-1	3638934	3548348	3657579	3614954	1.62	cps
Indium	115-2	1427518	1427771	1420405	1425231	0.29	cps
Iron	56-2	118716502	119769092	119155168	119213587	0.44	cps
Iron	57-2	2926166	2935971	2883840	2915326	0.95	cps
Iron	54-2	6637919	6506052	6444896	6529622	1.51	cps
Krypton	83-1	453	360	440	418	12.08	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:31:41	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3137778	3131867	3203412	3157686	1.26	cps
Lead	207-1	2666756	2642956	2699917	2669876	1.07	cps
Lead	208-1	12206825	12302719	12547932	12352492	1.42	cps
Lithium	6-1	587412	589180	592589	589727	0.45	cps
Magnesium	24-2	5075538	5077555	5054692	5069262	0.25	cps
Manganese	55-2	4044403	4040720	4024113	4036412	0.27	cps
Molybdenum	94-1	744690	752547	751925	749721	0.58	cps
Molybdenum	95-1	767870	779054	771097	772674	0.74	cps
Molybdenum	96-1	858587	886004	875192	873261	1.58	cps
Molybdenum	97-1	477506	487683	486167	483785	1.13	cps
Molybdenum	98-1	1245773	1264518	1253483	1254591	0.75	cps
Neodymium	150-1	35996	36778	37049	36608	1.49	cps
Neodymium	150-2	23764	24294	24221	24093	1.19	cps
Nickel	60-2	149797	149511	147533	148947	0.83	cps
Phosphorus	31-2	17473	17367	17256	17366	0.62	cps
Potassium	39-2	2261611	2288646	2275068	2275108	0.59	cps
Rhodium	103-1	3572969	3699837	3587181	3619996	1.92	cps
Rhodium	103-2	2467809	2469034	2405648	2447497	1.48	cps
Scandium	45-1	2281591	2265545	2312380	2286506	1.04	cps
Scandium	45-2	247998	248047	247605	247883	0.10	cps
Selenium	82-1	10894	10868	10680	10814	1.08	cps
Selenium	77-2	1383	1393	1520	1432	5.32	cps
Selenium	78-2	4751	4787	4891	4810	1.51	cps
Silicon	28-1	2337726	2300370	2274119	2304072	1.39	cps
Silver	107-1	102237	105131	102378	103249	1.58	cps
Silver	109-1	97251	97784	97596	97544	0.28	cps
Sodium	23-2	5582473	5592119	5649323	5607972	0.64	cps
Strontium	86-1	235882	241480	240184	239182	1.23	cps
Strontium	88-1	2132807	2200662	2156946	2163472	1.59	cps
Sulfur	34-1	347061	351128	352940	350377	0.86	cps
Terbium	159-1	4510479	4457960	4528825	4499088	0.82	cps
Terbium	159-2	3383465	3456001	3469351	3436272	1.34	cps
Thallium	203-1	358919	363424	363269	361871	0.71	cps
Thallium	205-1	857848	860160	871420	863143	0.84	cps
Tin	118-1	434930	438893	439101	437641	0.54	cps
Titanium	47-1	191687	196192	199022	195633	1.89	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:31:41	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1009703	1030664	1044840	1028402	1.72	cps
Vanadium	51-2	313714	314107	314031	313950	0.07	cps
Yttrium	89-1	6873037	6732302	6873901	6826413	1.19	cps
Yttrium	89-2	2098638	2107816	2116668	2107707	0.43	cps
Zinc	66-2	749109	746983	758853	751648	0.84	cps
Zirconium	90-1	831694	839022	829689	833468	0.59	cps
Zirconium	91-1	183636	186755	184555	184982	0.87	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:34:48	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3306409	3320668	3268565	3298547	0.82	cps
Antimony	121-1	413361	423220	420544	419042	1.22	cps
Arsenic	75-2	32119	31350	31771	31747	1.21	cps
Barium	135-1	561023	570925	561626	564525	0.98	cps
Barium	137-1	961631	992300	980606	978179	1.58	cps
Beryllium	9-1	77981	78902	79284	78722	0.85	cps
Bismuth	209-1	2666350	2786394	2738172	2730305	2.21	cps
Bismuth	209-2	2557575	2496761	2500155	2518163	1.36	cps
Bromine	81-1	116800	146737	159509	141015	15.55	cps
Bromine	81-2	34063	34891	35125	34693	1.61	cps
Cadmium	108-1	8716	9173	8839	8909	2.65	cps
Cadmium	106-1	14150	14240	14167	14186	0.34	cps
Cadmium	111-1	125655	126999	125514	126056	0.65	cps
Calcium	43-1	206800	206452	206685	206646	0.09	cps
Calcium	44-1	3242933	3257238	3260993	3253721	0.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	505383	490411	491714	495836	1.67	cps
Cobalt	59-2	439415	437212	433762	436796	0.65	cps
Copper	63-2	3510047	3500098	3489748	3499965	0.29	cps
Dysprosium	156-1	23523	24655	24178	24119	2.36	cps
Dysprosium	156-2	23470	24248	23733	23817	1.66	cps
Erbium	164-1	23416	24004	23834	23751	1.27	cps
Erbium	164-2	18993	19300	18152	18815	3.16	cps
Gadolinium	160-1	25871	25764	26569	26068	1.68	cps
Gadolinium	160-2	21633	21066	21129	21276	1.46	cps
Holmium	165-1	4473362	4483293	4516234	4490963	0.50	cps
Holmium	165-2	3659505	3498480	3468418	3542134	2.90	cps
Indium	115-1	3544876	3666702	3548636	3586738	1.93	cps
Indium	115-2	1439274	1417828	1401905	1419669	1.32	cps
Iron	56-2	123386445	121135548	120003288	121508427	1.42	cps
Iron	57-2	3035554	3011191	2978962	3008569	0.94	cps
Iron	54-2	6875667	6640322	6703898	6739962	1.81	cps
Krypton	83-1	430	387	333	383	12.63	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:34:48	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3136442	3236918	3323837	3232399	2.90	cps
Lead	207-1	2756543	2710390	2712993	2726642	0.95	cps
Lead	208-1	12433853	12500647	12635351	12523283	0.82	cps
Lithium	6-1	575161	585576	595944	585560	1.77	cps
Magnesium	24-2	5328316	5109711	5155972	5197999	2.22	cps
Manganese	55-2	4266436	4111976	4079830	4152747	2.40	cps
Molybdenum	94-1	768222	777031	764227	769826	0.85	cps
Molybdenum	95-1	782096	798029	790096	790074	1.01	cps
Molybdenum	96-1	896242	915597	895854	902564	1.25	cps
Molybdenum	97-1	487829	495418	493854	492367	0.81	cps
Molybdenum	98-1	1255728	1294659	1278738	1276375	1.53	cps
Neodymium	150-1	36898	37647	37008	37185	1.09	cps
Neodymium	150-2	24865	24087	24652	24535	1.64	cps
Nickel	60-2	152669	150740	151847	151752	0.64	cps
Phosphorus	31-2	17050	17263	16939	17084	0.96	cps
Potassium	39-2	2280885	2355685	2342998	2326523	1.72	cps
Rhodium	103-1	3561898	3618972	3530580	3570484	1.26	cps
Rhodium	103-2	2504233	2388559	2447878	2446890	2.36	cps
Scandium	45-1	2296292	2305976	2271333	2291200	0.78	cps
Scandium	45-2	248220	246190	245216	246542	0.62	cps
Selenium	82-1	11120	11466	11069	11218	1.93	cps
Selenium	77-2	1600	1327	1440	1456	9.44	cps
Selenium	78-2	4921	4894	4938	4918	0.44	cps
Silicon	28-1	2327634	2292317	2315742	2311898	0.78	cps
Silver	107-1	103456	106132	106162	105250	1.48	cps
Silver	109-1	99764	100945	100039	100250	0.62	cps
Sodium	23-2	5843828	5773657	5777015	5798167	0.68	cps
Strontium	86-1	242938	245705	244349	244331	0.57	cps
Strontium	88-1	2209515	2218544	2163421	2197160	1.35	cps
Sulfur	34-1	360225	356383	357574	358061	0.55	cps
Terbium	159-1	4558098	4468438	4447595	4491377	1.31	cps
Terbium	159-2	3421902	3391314	3286670	3366628	2.11	cps
Thallium	203-1	363127	374130	374177	370478	1.72	cps
Thallium	205-1	869806	884923	899308	884679	1.67	cps
Tin	118-1	440164	455669	448120	447984	1.73	cps
Titanium	47-1	197339	199428	202132	199633	1.20	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015MSD	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:34:48	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1017086	1032262	1054353	1034567	1.81	cps
Vanadium	51-2	322844	318177	319175	320065	0.77	cps
Yttrium	89-1	6873526	6690602	6716326	6760151	1.46	cps
Yttrium	89-2	2102762	2088906	2030756	2074141	1.84	cps
Zinc	66-2	769367	761462	767395	766075	0.54	cps
Zirconium	90-1	847539	856620	833493	845884	1.38	cps
Zirconium	91-1	187664	190918	187676	188753	0.99	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05ADLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015ADL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:37:53	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3010831	3056152	3099443	3055475	1.45	cps
Antimony	121-1	406677	409101	415344	410374	1.09	cps
Arsenic	75-2	27578	28217	28301	28032	1.41	cps
Barium	135-1	547342	538334	555287	546987	1.55	cps
Barium	137-1	951071	960443	964819	958778	0.73	cps
Beryllium	9-1	76310	78380	78467	77719	1.57	cps
Bismuth	209-1	2827497	2892951	2792346	2837598	1.80	cps
Bismuth	209-2	2546291	2524444	2590532	2553756	1.32	cps
Bromine	81-1	113204	142096	154345	136549	15.47	cps
Bromine	81-2	33705	33288	33809	33600	0.82	cps
Cadmium	108-1	8673	8539	8920	8710	2.21	cps
Cadmium	106-1	13440	13937	13626	13668	1.84	cps
Cadmium	111-1	123182	123549	124276	123669	0.45	cps
Calcium	43-1	197243	199703	201044	199330	0.97	cps
Calcium	44-1	3107137	3124954	3126656	3119583	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	462637	460195	467673	463502	0.82	cps
Cobalt	59-2	420986	426414	423808	423736	0.64	cps
Copper	63-2	3301447	3367868	3301447	3323587	1.15	cps
Dysprosium	156-1	21650	22498	22552	22233	2.27	cps
Dysprosium	156-2	21877	21496	21874	21749	1.01	cps
Erbium	164-1	21921	22031	21790	21914	0.55	cps
Erbium	164-2	16980	16864	17054	16966	0.57	cps
Gadolinium	160-1	23991	23984	24321	24099	0.80	cps
Gadolinium	160-2	19560	19060	19624	19415	1.59	cps
Holmium	165-1	4379743	4441660	4511240	4444214	1.48	cps
Holmium	165-2	3519449	3542229	3508926	3523535	0.48	cps
Indium	115-1	3592802	3526661	3579176	3566213	0.98	cps
Indium	115-2	1437694	1412056	1440160	1429970	1.09	cps
Iron	56-2	110762678	107848478	110157442	109589533	1.40	cps
Iron	57-2	2683596	2645041	2754697	2694445	2.06	cps
Iron	54-2	5998181	5947127	6101326	6015545	1.31	cps
Krypton	83-1	397	337	397	377	9.20	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05ADLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015ADL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:37:53	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3157477	3150291	3104649	3137472	0.91	cps
Lead	207-1	2545778	2546642	2577803	2556741	0.71	cps
Lead	208-1	12081397	11910094	11944242	11978578	0.76	cps
Lithium	6-1	588693	593722	593035	591817	0.46	cps
Magnesium	24-2	4991084	4892654	4877064	4920267	1.26	cps
Manganese	55-2	3892976	3849269	3924781	3889009	0.97	cps
Molybdenum	94-1	759096	759293	760635	759675	0.11	cps
Molybdenum	95-1	779610	787833	788446	785296	0.63	cps
Molybdenum	96-1	887823	905402	900215	897814	1.01	cps
Molybdenum	97-1	486839	490188	492347	489791	0.57	cps
Molybdenum	98-1	1258757	1256402	1258447	1257869	0.10	cps
Neodymium	150-1	34422	33664	33827	33971	1.17	cps
Neodymium	150-2	22208	22084	22652	22314	1.34	cps
Nickel	60-2	144039	146759	146159	145652	0.98	cps
Phosphorus	31-2	16295	15718	15888	15967	1.86	cps
Potassium	39-2	2228773	2211591	2261841	2234068	1.14	cps
Rhodium	103-1	3559530	3660220	3484332	3568027	2.47	cps
Rhodium	103-2	2464985	2425052	2504005	2464681	1.60	cps
Scandium	45-1	2301295	2251812	2307391	2286833	1.33	cps
Scandium	45-2	247749	243310	248842	246634	1.19	cps
Selenium	82-1	10868	11028	11188	11028	1.45	cps
Selenium	77-2	1543	1407	1517	1489	4.87	cps
Selenium	78-2	4928	4541	5001	4823	5.13	cps
Silicon	28-1	2954518	3019391	2999687	2991199	1.11	cps
Silver	107-1	102146	101905	104979	103010	1.66	cps
Silver	109-1	97557	98677	96787	97674	0.97	cps
Sodium	23-2	5496783	5488896	5567699	5517793	0.79	cps
Strontium	86-1	232769	231707	231919	232132	0.24	cps
Strontium	88-1	2122718	2129502	2152887	2135036	0.74	cps
Sulfur	34-1	325708	326575	329104	327129	0.54	cps
Terbium	159-1	4546738	4605698	4661803	4604746	1.25	cps
Terbium	159-2	3431177	3404740	3470666	3435528	0.97	cps
Thallium	203-1	358499	371843	374569	368304	2.34	cps
Thallium	205-1	879629	886498	891965	886031	0.70	cps
Tin	118-1	429668	428167	440957	432930	1.61	cps
Titanium	47-1	195264	194903	195700	195289	0.20	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3363-05ADLX5	Instrumnet Name :	P7
Client Sample ID :	COMP01-20251015ADL	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:37:53	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1026578	1065597	1059787	1050654	2.00	cps
Vanadium	51-2	303389	304464	309028	305627	0.98	cps
Yttrium	89-1	6743746	6776888	6855170	6791935	0.84	cps
Yttrium	89-2	2070675	2105420	2109300	2095131	1.02	cps
Zinc	66-2	733072	735526	742825	737141	0.69	cps
Zirconium	90-1	819919	829099	823527	824182	0.56	cps
Zirconium	91-1	181289	185545	184993	183942	1.26	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:41:00	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1719997	1739087	1746159	1735081	0.78	cps
Antimony	121-1	1640	1877	1817	1778	6.92	cps
Arsenic	75-2	10018	9833	9801	9884	1.18	cps
Barium	135-1	215767	214828	219234	216610	1.07	cps
Barium	137-1	369314	377070	376455	374280	1.15	cps
Beryllium	9-1	1080	1123	1150	1118	3.16	cps
Bismuth	209-1	2863169	2816134	2858986	2846096	0.91	cps
Bismuth	209-2	2600459	2602951	2672885	2625432	1.57	cps
Bromine	81-1	87697	105259	115064	102674	13.50	cps
Bromine	81-2	23940	23435	23833	23736	1.12	cps
Cadmium	108-1	987	1103	1007	1032	6.04	cps
Cadmium	106-1	2844	3020	2734	2866	5.05	cps
Cadmium	111-1	14102	13874	14148	14041	1.05	cps
Calcium	43-1	75467	75926	76656	76016	0.79	cps
Calcium	44-1	1165220	1203282	1218321	1195608	2.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	666838	664579	667664	666360	0.24	cps
Cobalt	59-2	57543	57734	56887	57388	0.77	cps
Copper	63-2	1031717	1032015	1038747	1034160	0.38	cps
Dysprosium	156-1	14394	14097	14214	14235	1.05	cps
Dysprosium	156-2	14087	14518	14618	14407	1.96	cps
Erbium	164-1	13974	13697	13810	13827	1.01	cps
Erbium	164-2	10998	10671	10754	10808	1.57	cps
Gadolinium	160-1	14725	15042	15125	14964	1.41	cps
Gadolinium	160-2	12579	12666	12319	12521	1.44	cps
Holmium	165-1	4602971	4484590	4497896	4528485	1.43	cps
Holmium	165-2	3576733	3576581	3574198	3575837	0.04	cps
Indium	115-1	3680536	3671455	3675365	3675785	0.12	cps
Indium	115-2	1444737	1434964	1449840	1443180	0.52	cps
Iron	56-2	71188784	72759992	72616831	72188536	1.20	cps
Iron	57-2	1732172	1760822	1730541	1741178	0.98	cps
Iron	54-2	3954954	3914031	4008382	3959122	1.20	cps
Krypton	83-1	367	423	387	392	7.33	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:41:00	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1888149	1904990	1894037	1895725	0.45	cps
Lead	207-1	1360033	1382010	1368372	1370138	0.81	cps
Lead	208-1	7011816	7075909	6994563	7027429	0.61	cps
Lithium	6-1	592498	597460	596753	595570	0.45	cps
Magnesium	24-2	2245419	2135069	2217545	2199344	2.61	cps
Manganese	55-2	592287	591402	595746	593145	0.39	cps
Molybdenum	94-1	36432	37154	36773	36786	0.98	cps
Molybdenum	95-1	10324	10357	10427	10369	0.51	cps
Molybdenum	96-1	16306	16279	16242	16276	0.20	cps
Molybdenum	97-1	6575	6732	6595	6634	1.29	cps
Molybdenum	98-1	17170	17200	16753	17041	1.47	cps
Neodymium	150-1	23313	23309	23473	23365	0.40	cps
Neodymium	150-2	15232	15495	15202	15310	1.06	cps
Nickel	60-2	91568	92067	91564	91733	0.32	cps
Phosphorus	31-2	11778	11745	11778	11767	0.16	cps
Potassium	39-2	776128	775096	782374	777866	0.51	cps
Rhodium	103-1	3645640	3711890	3723488	3693673	1.14	cps
Rhodium	103-2	2485898	2448405	2480898	2471734	0.82	cps
Scandium	45-1	2299459	2280582	2303579	2294540	0.53	cps
Scandium	45-2	246583	247049	248285	247306	0.36	cps
Selenium	82-1	547	448	511	502	9.94	cps
Selenium	77-2	83	107	117	102	16.74	cps
Selenium	78-2	450	410	483	448	8.20	cps
Silicon	28-1	2403213	2379549	2367550	2383437	0.76	cps
Silver	107-1	39383	39624	40025	39678	0.82	cps
Silver	109-1	36422	37194	37642	37086	1.66	cps
Sodium	23-2	3049496	3063587	3005137	3039407	1.00	cps
Strontium	86-1	83308	84283	84441	84011	0.73	cps
Strontium	88-1	726343	729706	736311	730787	0.69	cps
Sulfur	34-1	467300	464666	465581	465849	0.29	cps
Terbium	159-1	4521389	4572763	4591972	4562041	0.80	cps
Terbium	159-2	3468337	3409208	3506023	3461189	1.41	cps
Thallium	203-1	1690	1570	1743	1668	5.32	cps
Thallium	205-1	3977	4221	3907	4035	4.08	cps
Tin	118-1	142652	143106	145080	143613	0.90	cps
Titanium	47-1	219197	220086	219438	219574	0.21	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-000057-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:41:00	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22860	22981	23024	22955	0.37	cps
Vanadium	51-2	116832	115364	116243	116146	0.64	cps
Yttrium	89-1	6739019	6782512	6677397	6732976	0.78	cps
Yttrium	89-2	2091501	2027186	2052245	2056977	1.58	cps
Zinc	66-2	410042	413535	413329	412302	0.48	cps
Zirconium	90-1	83473	83999	83845	83772	0.32	cps
Zirconium	91-1	18712	18785	18375	18624	1.18	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:44:13	DataFile Name :	119CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7087665	7370906	7241126	7233232	1.96	cps
Antimony	121-1	2279612	2300998	2341601	2307403	1.36	cps
Arsenic	75-2	182868	184436	182290	183198	0.61	cps
Barium	135-1	2653937	2696536	2727913	2692795	1.38	cps
Barium	137-1	4603910	4666076	4618024	4629336	0.70	cps
Beryllium	9-1	407270	412317	412453	410680	0.72	cps
Bismuth	209-1	2755017	2775696	2854844	2795186	1.89	cps
Bismuth	209-2	2433755	2454431	2434062	2440750	0.49	cps
Bromine	81-1	16903	16119	15962	16328	3.09	cps
Bromine	81-2	1497	1597	1497	1530	3.77	cps
Cadmium	108-1	45632	45789	46384	45935	0.86	cps
Cadmium	106-1	64747	65644	64442	64945	0.96	cps
Cadmium	111-1	626515	630375	632683	629858	0.49	cps
Calcium	43-1	3143487	3197816	3194777	3178693	0.96	cps
Calcium	44-1	51241659	50668089	51631694	51180481	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1248286	1266726	1257684	1257566	0.73	cps
Cobalt	59-2	1903701	1932672	1935422	1923932	0.91	cps
Copper	63-2	14889261	14759905	15062821	14903996	1.02	cps
Dysprosium	156-1	170	153	200	174	13.55	cps
Dysprosium	156-2	290	320	327	312	6.25	cps
Erbium	164-1	243	290	290	274	9.82	cps
Erbium	164-2	230	237	170	212	17.30	cps
Gadolinium	160-1	197	173	170	180	8.07	cps
Gadolinium	160-2	357	377	370	368	2.77	cps
Holmium	165-1	4626723	4732981	4595117	4651607	1.55	cps
Holmium	165-2	3587237	3600677	3559634	3582516	0.58	cps
Indium	115-1	3531449	3562904	3474819	3523057	1.27	cps
Indium	115-2	1377714	1393762	1380408	1383961	0.62	cps
Iron	56-2	292397656	285397182	284613202	287469347	1.49	cps
Iron	57-2	7159948	7193439	7094410	7149266	0.70	cps
Iron	54-2	16017113	15382123	15851048	15750095	2.09	cps
Krypton	83-1	450	450	310	403	20.04	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:44:13	DataFile Name :	119CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8855223	8977486	9222723	9018478	2.08	cps
Lead	207-1	7519979	7649391	7643074	7604148	0.96	cps
Lead	208-1	35065175	35162293	35541273	35256247	0.71	cps
Lithium	6-1	596435	604656	609560	603550	1.10	cps
Magnesium	24-2	62708947	67428559	64675817	64937775	3.65	cps
Manganese	55-2	10329674	10348990	10474013	10384226	0.75	cps
Molybdenum	94-1	8428359	8486488	8530449	8481765	0.60	cps
Molybdenum	95-1	12012329	12226006	12082806	12107047	0.90	cps
Molybdenum	96-1	12894203	13099796	13076392	13023464	0.86	cps
Molybdenum	97-1	7291293	7486186	7421638	7399706	1.34	cps
Molybdenum	98-1	19451594	19438956	19497758	19462769	0.16	cps
Neodymium	150-1	157	150	147	151	3.37	cps
Neodymium	150-2	70	73	77	73	4.55	cps
Nickel	60-2	485012	488046	485956	486338	0.32	cps
Phosphorus	31-2	83845	86191	84381	84806	1.45	cps
Potassium	39-2	33375300	33768360	33412835	33518832	0.65	cps
Rhodium	103-1	3518299	3487683	3504631	3503538	0.44	cps
Rhodium	103-2	2329660	2393822	2357732	2360405	1.36	cps
Scandium	45-1	2208957	2220154	2227693	2218935	0.42	cps
Scandium	45-2	235630	242411	240938	239659	1.49	cps
Selenium	82-1	52133	51930	52521	52195	0.58	cps
Selenium	77-2	6235	6305	6231	6257	0.66	cps
Selenium	78-2	21122	20992	21479	21198	1.19	cps
Silicon	28-1	23559084	23796061	23889463	23748203	0.72	cps
Silver	107-1	3105091	3149404	3143821	3132772	0.77	cps
Silver	109-1	2968683	2951108	3064187	2994659	2.03	cps
Sodium	23-2	100312155	100094879	102097818	100834951	1.09	cps
Strontium	86-1	740349	749613	750243	746735	0.74	cps
Strontium	88-1	6772604	6859331	6718773	6783569	1.05	cps
Sulfur	34-1	376820	376352	382164	378445	0.85	cps
Terbium	159-1	4557272	4653053	4587859	4599395	1.06	cps
Terbium	159-2	3439571	3436529	3478608	3451569	0.68	cps
Thallium	203-1	2161331	2214490	2191979	2189267	1.22	cps
Thallium	205-1	5320558	5260376	5446016	5342317	1.77	cps
Tin	118-1	1849522	1937751	1897677	1894983	2.33	cps
Titanium	47-1	3167526	3181991	3248751	3199422	1.35	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:44:13	DataFile Name :	119CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6517038	6654804	6698369	6623404	1.43	cps
Vanadium	51-2	1038326	1063248	1042316	1047963	1.28	cps
Yttrium	89-1	6627056	6438263	6461575	6508965	1.58	cps
Yttrium	89-2	1951453	1937623	1977225	1955434	1.03	cps
Zinc	66-2	2775418	2831090	2751711	2786073	1.46	cps
Zirconium	90-1	4205523	4203900	4222141	4210522	0.24	cps
Zirconium	91-1	898872	907079	915231	907060	0.90	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:52:23	DataFile Name :	120CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	450	433	453	446	2.41	cps
Antimony	121-1	317	327	290	311	6.09	cps
Arsenic	75-2	5	8	1	4	74.58	cps
Barium	135-1	33	37	33	34	5.60	cps
Barium	137-1	27	30	53	37	39.62	cps
Beryllium	9-1	27	17	33	26	32.81	cps
Bismuth	209-1	2815676	2793636	2795384	2801566	0.44	cps
Bismuth	209-2	2572638	2530243	2538731	2547204	0.88	cps
Bromine	81-1	8513	8449	8626	8529	1.05	cps
Bromine	81-2	433	443	417	431	3.12	cps
Cadmium	108-1	7	0	0	2	173.21	cps
Cadmium	106-1	1340	1343	1393	1359	2.20	cps
Cadmium	111-1	947	977	1002	975	2.84	cps
Calcium	43-1	167	130	153	150	12.37	cps
Calcium	44-1	15168	15238	15345	15250	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1423	1443	1340	1402	3.91	cps
Cobalt	59-2	83	67	63	71	15.07	cps
Copper	63-2	937	940	877	918	3.88	cps
Dysprosium	156-1	10	0	3	4	114.60	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	27	20	10	19	44.42	cps
Erbium	164-2	17	17	17	17	0.00	cps
Gadolinium	160-1	57	10	17	28	90.86	cps
Gadolinium	160-2	253	233	243	243	4.11	cps
Holmium	165-1	4414038	4365293	4275545	4351625	1.61	cps
Holmium	165-2	3391860	3445885	3421275	3419673	0.79	cps
Indium	115-1	3560475	3471700	3591573	3541249	1.76	cps
Indium	115-2	1385607	1376441	1390673	1384240	0.52	cps
Iron	56-2	23538	23318	23251	23369	0.64	cps
Iron	57-2	1490	1530	1553	1524	2.10	cps
Iron	54-2	2257	2220	2170	2216	1.96	cps
Krypton	83-1	340	373	400	371	8.10	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:52:23	DataFile Name :	120CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	450	463	540	484	10.03	cps
Lead	207-1	397	403	430	410	4.30	cps
Lead	208-1	1770	1920	1927	1872	4.73	cps
Lithium	6-1	565779	566204	563836	565273	0.22	cps
Magnesium	24-2	320	410	333	354	13.70	cps
Manganese	55-2	650	573	560	594	8.17	cps
Molybdenum	94-1	247	250	263	253	3.48	cps
Molybdenum	95-1	200	193	190	194	2.62	cps
Molybdenum	96-1	247	267	207	240	12.73	cps
Molybdenum	97-1	120	140	120	127	9.12	cps
Molybdenum	98-1	273	360	320	318	13.65	cps
Neodymium	150-1	0	13	7	7	99.98	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	280	383	337	333	15.52	cps
Phosphorus	31-2	323	327	350	333	4.36	cps
Potassium	39-2	57558	57716	57221	57498	0.44	cps
Rhodium	103-1	3528510	3546827	3480840	3518726	0.97	cps
Rhodium	103-2	2443580	2381611	2397910	2407700	1.33	cps
Scandium	45-1	2158016	2131894	2116506	2135472	0.98	cps
Scandium	45-2	229923	227696	229139	228919	0.49	cps
Selenium	82-1	244	258	165	222	22.36	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	327	270	257	284	13.07	cps
Silicon	28-1	595657	581970	585249	587625	1.22	cps
Silver	107-1	83	93	90	89	5.73	cps
Silver	109-1	77	43	53	58	29.61	cps
Sodium	23-2	33490	34495	33774	33920	1.53	cps
Strontium	86-1	607	533	570	570	6.43	cps
Strontium	88-1	167	93	137	132	27.89	cps
Sulfur	34-1	151882	152936	152472	152430	0.35	cps
Terbium	159-1	4418397	4330558	4481319	4410091	1.72	cps
Terbium	159-2	3388403	3267949	3246900	3301084	2.31	cps
Thallium	203-1	270	243	240	251	6.55	cps
Thallium	205-1	567	507	487	520	8.01	cps
Tin	118-1	1203	1237	1240	1227	1.65	cps
Titanium	47-1	73	47	33	51	39.85	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 19:52:23	DataFile Name :	120CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	7	23	21	63.80	cps
Vanadium	51-2	20	0	20	13	86.60	cps
Yttrium	89-1	6210932	6136154	6326007	6224364	1.54	cps
Yttrium	89-2	1913474	1921610	1901590	1912225	0.53	cps
Zinc	66-2	1337	1327	1273	1312	2.59	cps
Zirconium	90-1	360	410	390	387	6.51	cps
Zirconium	91-1	70	70	77	72	5.33	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:57:05	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2683400	2679995	2614765	2659387	1.45	cps
Antimony	121-1	1773	1760	1947	1827	5.71	cps
Arsenic	75-2	17948	18048	18538	18178	1.74	cps
Barium	135-1	495610	502959	503513	500694	0.88	cps
Barium	137-1	857309	864828	871540	864559	0.82	cps
Beryllium	9-1	1627	1437	1540	1535	6.20	cps
Bismuth	209-1	2891203	2788496	2778714	2819471	2.21	cps
Bismuth	209-2	2454970	2500579	2506404	2487318	1.13	cps
Bromine	81-1	91257	117971	133619	114282	18.74	cps
Bromine	81-2	28758	28728	29025	28837	0.57	cps
Cadmium	108-1	1663	1737	1907	1769	7.06	cps
Cadmium	106-1	3817	3687	3767	3757	1.75	cps
Cadmium	111-1	23965	23466	23553	23661	1.13	cps
Calcium	43-1	219728	220549	223012	221097	0.77	cps
Calcium	44-1	3429681	3477878	3604272	3503944	2.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1196666	1189839	1217768	1201424	1.21	cps
Cobalt	59-2	92322	90598	90884	91268	1.01	cps
Copper	63-2	1793100	1844110	1818074	1818428	1.40	cps
Dysprosium	156-1	22251	21744	22495	22163	1.73	cps
Dysprosium	156-2	22017	21390	21523	21643	1.53	cps
Erbium	164-1	22335	22689	21914	22312	1.74	cps
Erbium	164-2	17207	16577	17374	17053	2.47	cps
Gadolinium	160-1	23012	23002	23113	23042	0.26	cps
Gadolinium	160-2	19023	19260	19627	19303	1.58	cps
Holmium	165-1	4528702	4348118	4417965	4431595	2.05	cps
Holmium	165-2	3556431	3421141	3466111	3481228	1.98	cps
Indium	115-1	3477786	3444173	3487717	3469892	0.66	cps
Indium	115-2	1361390	1369297	1374320	1368336	0.48	cps
Iron	56-2	118222718	119690545	118059458	118657574	0.76	cps
Iron	57-2	2961271	2868809	2918951	2916344	1.59	cps
Iron	54-2	6665226	6543583	6592477	6600429	0.93	cps
Krypton	83-1	367	320	393	360	10.31	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:57:05	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4699900	4632449	4634809	4655719	0.82	cps
Lead	207-1	3799521	3750996	3753704	3768074	0.72	cps
Lead	208-1	17658871	17607694	17635655	17634073	0.15	cps
Lithium	6-1	586462	577593	581318	581791	0.77	cps
Magnesium	24-2	3809751	3787004	3736306	3777687	1.00	cps
Manganese	55-2	888261	881749	893469	887826	0.66	cps
Molybdenum	94-1	57138	56817	56673	56876	0.42	cps
Molybdenum	95-1	15495	15498	15335	15443	0.61	cps
Molybdenum	96-1	23512	25279	25255	24682	4.10	cps
Molybdenum	97-1	9520	9817	9827	9721	1.79	cps
Molybdenum	98-1	25235	25222	25292	25250	0.15	cps
Neodymium	150-1	35080	34726	35180	34996	0.68	cps
Neodymium	150-2	22832	22288	22825	22648	1.38	cps
Nickel	60-2	160864	161321	160126	160770	0.37	cps
Phosphorus	31-2	21318	21135	21428	21294	0.70	cps
Potassium	39-2	1121681	1124511	1141136	1129109	0.93	cps
Rhodium	103-1	3480682	3495911	3402028	3459541	1.46	cps
Rhodium	103-2	2385629	2365136	2420514	2390426	1.17	cps
Scandium	45-1	2189926	2173698	2215207	2192943	0.95	cps
Scandium	45-2	232216	235249	233641	233702	0.65	cps
Selenium	82-1	790	792	699	761	6.98	cps
Selenium	77-2	210	203	173	196	9.99	cps
Selenium	78-2	613	630	590	611	3.29	cps
Silicon	28-1	1256489	1303168	1277569	1279075	1.83	cps
Silver	107-1	55238	55188	54953	55126	0.28	cps
Silver	109-1	51712	52113	53622	52482	1.92	cps
Sodium	23-2	5161826	5222473	5270349	5218216	1.04	cps
Strontium	86-1	195779	199776	201253	198936	1.42	cps
Strontium	88-1	1810503	1821588	1855753	1829281	1.29	cps
Sulfur	34-1	750664	745747	751254	749222	0.40	cps
Terbium	159-1	4522422	4349016	4505316	4458918	2.14	cps
Terbium	159-2	3354905	3343865	3364388	3354386	0.31	cps
Thallium	203-1	2537	2367	2400	2435	3.70	cps
Thallium	205-1	5668	5805	5535	5669	2.38	cps
Tin	118-1	225671	229865	229719	228418	1.04	cps
Titanium	47-1	278832	281435	280918	280395	0.49	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3375-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP02-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 19:57:05	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	42469	43747	43473	43230	1.56	cps
Vanadium	51-2	214882	216715	215933	215843	0.43	cps
Yttrium	89-1	6598854	6498760	6561213	6552942	0.77	cps
Yttrium	89-2	1988273	2013647	1987654	1996525	0.74	cps
Zinc	66-2	729836	730351	736520	732236	0.51	cps
Zirconium	90-1	129837	133801	131631	131756	1.51	cps
Zirconium	91-1	29577	28732	29256	29188	1.46	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:00:14	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2014715	2000171	2026604	2013830	0.66	cps
Antimony	121-1	1603	1590	1723	1639	4.48	cps
Arsenic	75-2	23463	23476	23303	23414	0.41	cps
Barium	135-1	338535	343320	343701	341852	0.84	cps
Barium	137-1	588971	598390	599166	595509	0.95	cps
Beryllium	9-1	803	843	807	818	2.71	cps
Bismuth	209-1	2796196	2867935	2786727	2816953	1.58	cps
Bismuth	209-2	2543926	2568388	2550698	2554337	0.49	cps
Bromine	81-1	74561	91760	101671	89331	15.36	cps
Bromine	81-2	21008	20831	21182	21007	0.83	cps
Cadmium	108-1	923	1027	990	980	5.35	cps
Cadmium	106-1	2794	2634	2840	2756	3.93	cps
Cadmium	111-1	14409	14851	15058	14773	2.25	cps
Calcium	43-1	85520	85087	86941	85850	1.13	cps
Calcium	44-1	1379616	1351628	1380380	1370541	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1109793	1108353	1121225	1113124	0.63	cps
Cobalt	59-2	49521	50642	50388	50184	1.17	cps
Copper	63-2	1495996	1500348	1504420	1500255	0.28	cps
Dysprosium	156-1	16707	16897	16820	16808	0.57	cps
Dysprosium	156-2	16690	16283	15946	16306	2.29	cps
Erbium	164-1	16166	16373	15946	16162	1.32	cps
Erbium	164-2	12305	12572	12516	12465	1.13	cps
Gadolinium	160-1	17534	17631	17675	17613	0.41	cps
Gadolinium	160-2	14805	14124	14868	14599	2.83	cps
Holmium	165-1	4449018	4467185	4396080	4437428	0.83	cps
Holmium	165-2	3495983	3365248	3444837	3435356	1.92	cps
Indium	115-1	3522395	3545912	3544208	3537505	0.37	cps
Indium	115-2	1401722	1393829	1405919	1400490	0.44	cps
Iron	56-2	86436559	84757910	84863597	85352689	1.10	cps
Iron	57-2	2115368	2084162	2069641	2089724	1.12	cps
Iron	54-2	4879189	4733920	4745376	4786162	1.69	cps
Krypton	83-1	407	387	383	392	3.22	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:00:14	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2209795	2254055	2284914	2249588	1.68	cps
Lead	207-1	1819400	1855230	1866524	1847051	1.33	cps
Lead	208-1	8578068	8699705	8644975	8640916	0.71	cps
Lithium	6-1	580665	580118	576931	579238	0.35	cps
Magnesium	24-2	2256571	2208801	2250950	2238774	1.17	cps
Manganese	55-2	688829	697332	692547	692903	0.62	cps
Molybdenum	94-1	34207	35199	34778	34728	1.43	cps
Molybdenum	95-1	6988	6718	6638	6782	2.71	cps
Molybdenum	96-1	12542	12522	12512	12525	0.12	cps
Molybdenum	97-1	4157	4161	4254	4191	1.31	cps
Molybdenum	98-1	10754	10761	10744	10753	0.08	cps
Neodymium	150-1	27163	27373	27173	27236	0.44	cps
Neodymium	150-2	17838	17574	17024	17479	2.38	cps
Nickel	60-2	71704	70867	72843	71804	1.38	cps
Phosphorus	31-2	14320	14687	14397	14468	1.34	cps
Potassium	39-2	883474	879556	875838	879623	0.43	cps
Rhodium	103-1	3507772	3461120	3438030	3468974	1.02	cps
Rhodium	103-2	2467243	2424017	2370610	2420624	2.00	cps
Scandium	45-1	2205439	2215473	2165023	2195312	1.22	cps
Scandium	45-2	238283	235340	236408	236677	0.63	cps
Selenium	82-1	624	658	628	637	2.90	cps
Selenium	77-2	87	130	157	124	28.39	cps
Selenium	78-2	497	583	567	549	8.38	cps
Silicon	28-1	1321597	1304116	1364862	1330192	2.35	cps
Silver	107-1	46468	46524	47274	46755	0.96	cps
Silver	109-1	43722	44351	45538	44537	2.07	cps
Sodium	23-2	3224026	3165797	3202475	3197433	0.92	cps
Strontium	86-1	108799	109007	108302	108703	0.33	cps
Strontium	88-1	941153	955925	962513	953197	1.15	cps
Sulfur	34-1	519098	525769	526181	523682	0.76	cps
Terbium	159-1	4487290	4509127	4430471	4475629	0.91	cps
Terbium	159-2	3416344	3341498	3396534	3384792	1.15	cps
Thallium	203-1	2534	2524	2417	2491	2.60	cps
Thallium	205-1	5995	6155	6085	6078	1.32	cps
Tin	118-1	208147	208500	210880	209176	0.71	cps
Titanium	47-1	184067	188135	188878	187027	1.38	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S05-057082-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:00:14	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24019	24978	24233	24410	2.06	cps
Vanadium	51-2	115478	114685	114487	114883	0.46	cps
Yttrium	89-1	6393367	6563919	6513415	6490234	1.35	cps
Yttrium	89-2	2069521	1982274	2000027	2017274	2.29	cps
Zinc	66-2	418817	418987	418807	418870	0.02	cps
Zirconium	90-1	83831	85487	84813	84711	0.98	cps
Zirconium	91-1	18522	18779	18735	18679	0.74	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:03:23	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2043503	2076146	2079659	2066436	0.96	cps
Antimony	121-1	1717	1857	1640	1738	6.32	cps
Arsenic	75-2	18842	18571	19022	18812	1.21	cps
Barium	135-1	322794	328817	323502	325037	1.01	cps
Barium	137-1	563887	566807	561724	564139	0.45	cps
Beryllium	9-1	867	790	817	824	4.72	cps
Bismuth	209-1	2855219	2880381	2765831	2833810	2.12	cps
Bismuth	209-2	2521675	2551795	2503400	2525623	0.97	cps
Bromine	81-1	117055	151803	164246	144368	16.94	cps
Bromine	81-2	35098	35917	35456	35490	1.16	cps
Cadmium	108-1	853	900	877	877	2.66	cps
Cadmium	106-1	2664	2787	2754	2735	2.33	cps
Cadmium	111-1	12842	12632	12768	12747	0.84	cps
Calcium	43-1	60892	62471	61196	61520	1.36	cps
Calcium	44-1	1000834	1021039	1020468	1014114	1.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	964397	964560	957563	962174	0.42	cps
Cobalt	59-2	48582	49097	49364	49014	0.81	cps
Copper	63-2	1319795	1325269	1321617	1322227	0.21	cps
Dysprosium	156-1	16737	17087	17124	16983	1.26	cps
Dysprosium	156-2	16937	16767	16179	16628	2.39	cps
Erbium	164-1	16426	16577	16927	16643	1.54	cps
Erbium	164-2	12693	13063	12936	12897	1.46	cps
Gadolinium	160-1	17942	18195	18299	18145	1.01	cps
Gadolinium	160-2	15268	14628	15041	14979	2.17	cps
Holmium	165-1	4562538	4467872	4526128	4518846	1.06	cps
Holmium	165-2	3524996	3490207	3479893	3498365	0.68	cps
Indium	115-1	3625660	3538592	3604202	3589485	1.26	cps
Indium	115-2	1411339	1403852	1420756	1411982	0.60	cps
Iron	56-2	81494920	79976902	80370392	80614072	0.98	cps
Iron	57-2	1975215	1975228	1994659	1981701	0.57	cps
Iron	54-2	4542571	4485918	4519813	4516101	0.63	cps
Krypton	83-1	367	397	383	382	3.93	cps

Reviewed By:jaswal
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:03:23	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2343422	2298013	2356049	2332495	1.31	cps
Lead	207-1	1911623	1971264	1927074	1936653	1.60	cps
Lead	208-1	8905291	9124319	8878222	8969277	1.50	cps
Lithium	6-1	590022	594741	587519	590761	0.62	cps
Magnesium	24-2	2157061	2180953	2171883	2169965	0.56	cps
Manganese	55-2	668918	665396	667540	667285	0.27	cps
Molybdenum	94-1	34631	35126	36185	35314	2.25	cps
Molybdenum	95-1	6825	7142	7028	6998	2.29	cps
Molybdenum	96-1	12919	13163	13560	13214	2.45	cps
Molybdenum	97-1	4177	4554	4344	4358	4.33	cps
Molybdenum	98-1	11498	11545	11511	11518	0.21	cps
Neodymium	150-1	27093	27791	27994	27626	1.71	cps
Neodymium	150-2	18169	17998	18022	18063	0.51	cps
Nickel	60-2	69761	70040	70257	70019	0.35	cps
Phosphorus	31-2	13253	12865	13272	13130	1.75	cps
Potassium	39-2	909862	908770	906136	908256	0.21	cps
Rhodium	103-1	3575443	3567302	3602743	3581829	0.52	cps
Rhodium	103-2	2467546	2502040	2411315	2460300	1.86	cps
Scandium	45-1	2204809	2290434	2254909	2250050	1.91	cps
Scandium	45-2	239935	239943	240383	240087	0.11	cps
Selenium	82-1	609	576	677	621	8.31	cps
Selenium	77-2	123	133	157	138	12.41	cps
Selenium	78-2	580	530	553	554	4.51	cps
Silicon	28-1	1771876	1809939	1730880	1770898	2.23	cps
Silver	107-1	47976	49079	49437	48831	1.56	cps
Silver	109-1	44535	46123	46494	45718	2.28	cps
Sodium	23-2	3390558	3257616	3363977	3337384	2.11	cps
Strontium	86-1	89276	90788	90282	90116	0.85	cps
Strontium	88-1	783254	790045	794009	789103	0.69	cps
Sulfur	34-1	507108	512299	512506	510638	0.60	cps
Terbium	159-1	4438958	4545517	4457603	4480693	1.27	cps
Terbium	159-2	3363167	3423629	3274897	3353898	2.23	cps
Thallium	203-1	2527	2300	2404	2410	4.71	cps
Thallium	205-1	5851	5931	5811	5865	1.04	cps
Tin	118-1	253468	256964	253705	254712	0.77	cps
Titanium	47-1	177466	180090	179590	179048	0.78	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-DP01-20251016D	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:03:23	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25766	25258	25966	25663	1.42	cps
Vanadium	51-2	112338	112567	111945	112283	0.28	cps
Yttrium	89-1	6555507	6783376	6628377	6655753	1.75	cps
Yttrium	89-2	2054647	1994437	1999742	2016275	1.65	cps
Zinc	66-2	418139	421579	419909	419876	0.41	cps
Zirconium	90-1	84931	85447	84468	84949	0.58	cps
Zirconium	91-1	18629	19340	18902	18957	1.89	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:06:38	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2788939	2779488	2865445	2811291	1.68	cps
Antimony	121-1	1260	1310	1500	1357	9.33	cps
Arsenic	75-2	38317	38670	39290	38759	1.27	cps
Barium	135-1	555070	553442	565413	557975	1.16	cps
Barium	137-1	963623	969388	967962	966991	0.31	cps
Beryllium	9-1	1130	1160	1243	1178	4.99	cps
Bismuth	209-1	2848122	2898508	2826956	2857862	1.29	cps
Bismuth	209-2	2564358	2631252	2555651	2583754	1.60	cps
Bromine	81-1	106734	128864	140481	125360	13.68	cps
Bromine	81-2	29319	29720	29563	29534	0.68	cps
Cadmium	108-1	1417	1500	1427	1448	3.14	cps
Cadmium	106-1	3504	3474	3517	3498	0.63	cps
Cadmium	111-1	21712	21149	21958	21606	1.92	cps
Calcium	43-1	115238	113253	114347	114279	0.87	cps
Calcium	44-1	1860412	1814989	1792809	1822736	1.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1070745	1048757	1052874	1057459	1.11	cps
Cobalt	59-2	66989	66333	66222	66514	0.62	cps
Copper	63-2	1755282	1730921	1756017	1747407	0.82	cps
Dysprosium	156-1	24081	24996	24915	24664	2.05	cps
Dysprosium	156-2	23777	23573	24258	23869	1.47	cps
Erbium	164-1	24064	24194	24495	24251	0.91	cps
Erbium	164-2	18542	18516	18172	18410	1.12	cps
Gadolinium	160-1	25440	25540	26245	25742	1.70	cps
Gadolinium	160-2	21991	21343	21290	21541	1.81	cps
Holmium	165-1	4514652	4311936	4579485	4468691	3.12	cps
Holmium	165-2	3541333	3540037	3525549	3535640	0.25	cps
Indium	115-1	3617799	3611407	3668348	3632518	0.86	cps
Indium	115-2	1415550	1420280	1423405	1419745	0.28	cps
Iron	56-2	109713788	109986638	111768778	110489735	1.01	cps
Iron	57-2	2724003	2727269	2713070	2721448	0.27	cps
Iron	54-2	6076437	5967162	5982634	6008744	0.98	cps
Krypton	83-1	393	337	413	381	10.44	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:06:38	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2327257	2386813	2348989	2354353	1.28	cps
Lead	207-1	1866522	1865735	1899605	1877288	1.03	cps
Lead	208-1	8819564	8967320	8958500	8915128	0.93	cps
Lithium	6-1	593583	596074	600033	596564	0.55	cps
Magnesium	24-2	2781216	2771379	2828141	2793579	1.09	cps
Manganese	55-2	1135119	1125479	1135362	1131987	0.50	cps
Molybdenum	94-1	45889	45885	46076	45950	0.24	cps
Molybdenum	95-1	7158	7202	7078	7146	0.88	cps
Molybdenum	96-1	14614	15275	15125	15004	2.31	cps
Molybdenum	97-1	4384	4267	4407	4353	1.72	cps
Molybdenum	98-1	11605	10951	11761	11439	3.76	cps
Neodymium	150-1	38466	38101	39742	38770	2.22	cps
Neodymium	150-2	25814	25510	25176	25500	1.25	cps
Nickel	60-2	74987	74809	75663	75153	0.60	cps
Phosphorus	31-2	26243	26246	26119	26203	0.28	cps
Potassium	39-2	1189312	1193008	1221526	1201282	1.47	cps
Rhodium	103-1	3585514	3599918	3599971	3595134	0.23	cps
Rhodium	103-2	2404858	2442668	2448054	2431860	0.97	cps
Scandium	45-1	2325960	2247467	2268853	2280760	1.78	cps
Scandium	45-2	242595	241483	246249	243442	1.02	cps
Selenium	82-1	786	772	816	791	2.87	cps
Selenium	77-2	127	163	163	151	14.01	cps
Selenium	78-2	643	627	630	633	1.39	cps
Silicon	28-1	1452847	1415387	1416549	1428261	1.49	cps
Silver	107-1	42907	43318	44434	43553	1.82	cps
Silver	109-1	41402	41626	42405	41811	1.26	cps
Sodium	23-2	4100863	4198115	4242987	4180655	1.74	cps
Strontium	86-1	146614	146186	149314	147371	1.15	cps
Strontium	88-1	1283727	1270239	1287920	1280629	0.72	cps
Sulfur	34-1	566050	556541	561443	561345	0.85	cps
Terbium	159-1	4510479	4428199	4659719	4532799	2.59	cps
Terbium	159-2	3408082	3429187	3343151	3393473	1.32	cps
Thallium	203-1	3124	2970	3017	3037	2.59	cps
Thallium	205-1	7025	6965	6905	6965	0.86	cps
Tin	118-1	225570	225254	229134	226653	0.95	cps
Titanium	47-1	248579	246530	248743	247951	0.50	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-COMP2-2025101	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:06:38	DataFile Name :	124SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28261	27616	27636	27838	1.32	cps
Vanadium	51-2	147274	146685	146309	146756	0.33	cps
Yttrium	89-1	6872809	6515844	6730150	6706268	2.68	cps
Yttrium	89-2	2034263	2063595	2053970	2050609	0.73	cps
Zinc	66-2	448488	454650	456044	453061	0.89	cps
Zirconium	90-1	114711	114403	116411	115175	0.94	cps
Zirconium	91-1	25556	26391	26037	25994	1.61	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:09:45	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2838631	2730463	2720876	2763324	2.37	cps
Antimony	121-1	2324	2240	2517	2360	6.01	cps
Arsenic	75-2	25888	25833	25454	25725	0.92	cps
Barium	135-1	334096	329852	331784	331911	0.64	cps
Barium	137-1	574276	579939	579484	577899	0.54	cps
Beryllium	9-1	1193	1213	1187	1198	1.16	cps
Bismuth	209-1	2810681	2793990	2793782	2799485	0.35	cps
Bismuth	209-2	2540243	2541333	2565553	2549043	0.56	cps
Bromine	81-1	137166	165749	180582	161166	13.69	cps
Bromine	81-2	38567	39269	39590	39142	1.34	cps
Cadmium	108-1	1730	1813	1837	1793	3.13	cps
Cadmium	106-1	3897	4037	3984	3973	1.78	cps
Cadmium	111-1	25140	25607	24778	25175	1.65	cps
Calcium	43-1	149907	150103	148433	149481	0.61	cps
Calcium	44-1	2363900	2343300	2319648	2342283	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1655341	1643569	1619013	1639308	1.13	cps
Cobalt	59-2	72672	71288	72876	72279	1.20	cps
Copper	63-2	2063776	2069257	2019531	2050854	1.33	cps
Dysprosium	156-1	22208	22705	22214	22376	1.28	cps
Dysprosium	156-2	22451	21914	21663	22010	1.83	cps
Erbium	164-1	22098	22161	22128	22129	0.14	cps
Erbium	164-2	16820	17354	16787	16987	1.87	cps
Gadolinium	160-1	23573	23513	23523	23537	0.14	cps
Gadolinium	160-2	19667	19911	19824	19801	0.62	cps
Holmium	165-1	4470578	4532304	4472790	4491891	0.78	cps
Holmium	165-2	3470286	3476634	3437917	3461612	0.60	cps
Indium	115-1	3578212	3557829	3589167	3575069	0.44	cps
Indium	115-2	1417542	1408537	1409795	1411958	0.35	cps
Iron	56-2	114193312	114176712	113420725	113930249	0.39	cps
Iron	57-2	2858860	2849047	2741401	2816436	2.31	cps
Iron	54-2	6445155	6301939	6133638	6293577	2.48	cps
Krypton	83-1	400	347	397	381	7.84	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:09:45	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2137355	2166615	2151570	2151847	0.68	cps
Lead	207-1	1561506	1682287	1742360	1662051	5.54	cps
Lead	208-1	8041955	8178795	8193972	8138241	1.03	cps
Lithium	6-1	589305	586994	580515	585604	0.78	cps
Magnesium	24-2	3079683	2993380	2960457	3011173	2.04	cps
Manganese	55-2	934446	938701	934031	935726	0.28	cps
Molybdenum	94-1	49999	49430	50604	50011	1.17	cps
Molybdenum	95-1	11164	10927	11161	11084	1.23	cps
Molybdenum	96-1	19700	19937	19837	19825	0.60	cps
Molybdenum	97-1	6888	6978	6998	6955	0.84	cps
Molybdenum	98-1	18148	18031	17631	17937	1.51	cps
Neodymium	150-1	37313	37112	36915	37113	0.54	cps
Neodymium	150-2	24748	24428	24024	24400	1.49	cps
Nickel	60-2	128576	129154	128065	128599	0.42	cps
Phosphorus	31-2	31005	30420	30821	30749	0.97	cps
Potassium	39-2	1227845	1235352	1219390	1227529	0.65	cps
Rhodium	103-1	3655764	3627920	3575846	3619843	1.12	cps
Rhodium	103-2	2442685	2418403	2465774	2442287	0.97	cps
Scandium	45-1	2263499	2279083	2218360	2253647	1.40	cps
Scandium	45-2	245138	244029	243366	244177	0.37	cps
Selenium	82-1	630	776	643	683	11.82	cps
Selenium	77-2	177	203	200	193	7.52	cps
Selenium	78-2	567	590	517	558	6.72	cps
Silicon	28-1	1442663	1659416	1460927	1521002	7.90	cps
Silver	107-1	41376	42669	42559	42201	1.70	cps
Silver	109-1	40039	40032	39587	39886	0.65	cps
Sodium	23-2	5732131	5597088	5658053	5662424	1.19	cps
Strontium	86-1	217561	217859	216899	217440	0.23	cps
Strontium	88-1	1947218	2002843	2001094	1983718	1.59	cps
Sulfur	34-1	682691	685071	686964	684908	0.31	cps
Terbium	159-1	4510048	4578771	4463199	4517339	1.29	cps
Terbium	159-2	3416945	3344784	3370509	3377413	1.08	cps
Thallium	203-1	2414	2544	2594	2517	3.69	cps
Thallium	205-1	5885	6108	6211	6068	2.75	cps
Tin	118-1	215031	216373	214164	215190	0.52	cps
Titanium	47-1	331026	336095	330620	332580	0.92	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3376-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S12-047072-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:09:45	DataFile Name :	125SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30871	31204	31879	31318	1.64	cps
Vanadium	51-2	248563	244839	244739	246047	0.89	cps
Yttrium	89-1	6973343	6939566	6677951	6863620	2.36	cps
Yttrium	89-2	2102404	2039641	2043863	2061969	1.70	cps
Zinc	66-2	561518	564215	559993	561909	0.38	cps
Zirconium	90-1	119848	120376	117392	119206	1.34	cps
Zirconium	91-1	27108	26701	26878	26896	0.76	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:12:55	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1787386	1825779	1770677	1794614	1.57	cps
Antimony	121-1	2710	2577	2640	2642	2.52	cps
Arsenic	75-2	12777	13131	12482	12797	2.54	cps
Barium	135-1	200060	202167	200905	201044	0.53	cps
Barium	137-1	343356	349159	346680	346398	0.84	cps
Beryllium	9-1	1230	1093	1070	1131	7.64	cps
Bismuth	209-1	2777965	2809890	2754468	2780775	1.00	cps
Bismuth	209-2	2526473	2573195	2481581	2527083	1.81	cps
Bromine	81-1	92915	110950	119116	107661	12.45	cps
Bromine	81-2	25118	25726	25723	25522	1.37	cps
Cadmium	108-1	1020	957	943	973	4.21	cps
Cadmium	106-1	2844	2840	2707	2797	2.79	cps
Cadmium	111-1	13582	13570	13873	13675	1.26	cps
Calcium	43-1	279668	278672	280703	279681	0.36	cps
Calcium	44-1	4468743	4381374	4453561	4434559	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	834812	835283	830755	833617	0.30	cps
Cobalt	59-2	70482	70133	70069	70228	0.32	cps
Copper	63-2	1081164	1071275	1076389	1076276	0.46	cps
Dysprosium	156-1	14538	14988	14267	14598	2.49	cps
Dysprosium	156-2	14214	14080	14558	14284	1.72	cps
Erbium	164-1	14267	14528	13994	14263	1.87	cps
Erbium	164-2	11108	11505	11158	11257	1.92	cps
Gadolinium	160-1	14711	15449	15248	15136	2.52	cps
Gadolinium	160-2	12843	13153	12569	12855	2.27	cps
Holmium	165-1	4490652	4396366	4365770	4417596	1.47	cps
Holmium	165-2	3497355	3431092	3496631	3475026	1.09	cps
Indium	115-1	3593403	3561949	3547651	3567668	0.66	cps
Indium	115-2	1417128	1412110	1412292	1413844	0.20	cps
Iron	56-2	99746462	100069335	99904185	99906661	0.16	cps
Iron	57-2	2524013	2464625	2491981	2493540	1.19	cps
Iron	54-2	5688080	5602644	5576264	5622329	1.04	cps
Krypton	83-1	320	410	333	354	13.70	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:12:55	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1846607	1915017	1867611	1876412	1.87	cps
Lead	207-1	1365328	1395636	1404977	1388647	1.49	cps
Lead	208-1	6928569	7145414	7083870	7052618	1.58	cps
Lithium	6-1	571720	577439	577262	575474	0.57	cps
Magnesium	24-2	2203296	2207317	2191038	2200550	0.39	cps
Manganese	55-2	828599	837651	824558	830269	0.81	cps
Molybdenum	94-1	41439	41783	40710	41310	1.33	cps
Molybdenum	95-1	12896	13570	13510	13325	2.80	cps
Molybdenum	96-1	20071	19643	20408	20040	1.91	cps
Molybdenum	97-1	8216	8016	8429	8220	2.52	cps
Molybdenum	98-1	20865	21536	21419	21273	1.68	cps
Neodymium	150-1	23009	23346	23293	23216	0.78	cps
Neodymium	150-2	15055	15108	15352	15172	1.04	cps
Nickel	60-2	98796	98065	100310	99057	1.16	cps
Phosphorus	31-2	10584	10320	10670	10525	1.73	cps
Potassium	39-2	888124	891320	890380	889941	0.18	cps
Rhodium	103-1	3581566	3640693	3581250	3601170	0.95	cps
Rhodium	103-2	2454703	2407262	2422225	2428064	1.00	cps
Scandium	45-1	2243683	2289355	2229403	2254147	1.39	cps
Scandium	45-2	239505	242600	240640	240915	0.65	cps
Selenium	82-1	663	528	620	604	11.38	cps
Selenium	77-2	140	150	103	131	18.74	cps
Selenium	78-2	533	603	537	558	7.08	cps
Silicon	28-1	3409099	3348545	3246329	3334658	2.47	cps
Silver	107-1	49598	50588	50290	50159	1.01	cps
Silver	109-1	46371	48498	47859	47576	2.29	cps
Sodium	23-2	3458104	3499166	3447286	3468185	0.79	cps
Strontium	86-1	240403	242607	244030	242347	0.75	cps
Strontium	88-1	2188450	2161241	2215457	2188383	1.24	cps
Sulfur	34-1	790660	796815	783477	790317	0.84	cps
Terbium	159-1	4409478	4387753	4452139	4416457	0.74	cps
Terbium	159-2	3375729	3376499	3385155	3379128	0.15	cps
Thallium	203-1	1640	1533	1513	1562	4.36	cps
Thallium	205-1	3584	3541	3681	3602	1.99	cps
Tin	118-1	149109	148297	148776	148727	0.27	cps
Titanium	47-1	240761	238181	239756	239566	0.54	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-000022-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:12:55	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27663	28258	28284	28068	1.25	cps
Vanadium	51-2	130254	129006	128411	129224	0.73	cps
Yttrium	89-1	6657867	6539286	6547698	6581617	1.01	cps
Yttrium	89-2	2013711	2012270	1992316	2006099	0.60	cps
Zinc	66-2	428194	428213	426741	427716	0.20	cps
Zirconium	90-1	91748	91930	91980	91886	0.13	cps
Zirconium	91-1	19593	20267	20308	20056	2.00	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:16:04	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1994465	1961128	2037866	1997820	1.93	cps
Antimony	121-1	1773	1793	1783	1783	0.56	cps
Arsenic	75-2	20225	20064	19939	20076	0.71	cps
Barium	135-1	356247	359734	363808	359930	1.05	cps
Barium	137-1	617789	630087	628774	625550	1.08	cps
Beryllium	9-1	803	790	753	782	3.31	cps
Bismuth	209-1	2868455	2830590	2866978	2855341	0.75	cps
Bismuth	209-2	2631532	2603519	2586037	2607029	0.88	cps
Bromine	81-1	96425	118432	127741	114199	14.08	cps
Bromine	81-2	27836	28321	28404	28187	1.09	cps
Cadmium	108-1	850	1047	897	931	11.04	cps
Cadmium	106-1	2754	2837	2854	2815	1.90	cps
Cadmium	111-1	13184	13498	12961	13215	2.04	cps
Calcium	43-1	96602	96713	96283	96533	0.23	cps
Calcium	44-1	1520887	1562107	1522688	1535227	1.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	932195	923124	914272	923197	0.97	cps
Cobalt	59-2	49869	48488	48542	48966	1.60	cps
Copper	63-2	1374386	1367511	1375432	1372443	0.31	cps
Dysprosium	156-1	16830	17291	16847	16989	1.54	cps
Dysprosium	156-2	17064	16233	16727	16674	2.51	cps
Erbium	164-1	16800	16774	16797	16790	0.09	cps
Erbium	164-2	12629	12669	13110	12803	2.08	cps
Gadolinium	160-1	17778	18382	18446	18202	2.02	cps
Gadolinium	160-2	15132	15469	15011	15204	1.56	cps
Holmium	165-1	4450829	4445225	4497000	4464351	0.64	cps
Holmium	165-2	3524196	3545356	3472459	3514003	1.07	cps
Indium	115-1	3668548	3718260	3598077	3661628	1.65	cps
Indium	115-2	1437647	1434928	1422332	1431635	0.57	cps
Iron	56-2	87469215	86935722	85354222	86586386	1.27	cps
Iron	57-2	2166476	2157645	2111827	2145316	1.37	cps
Iron	54-2	4799154	4769367	4692237	4753586	1.16	cps
Krypton	83-1	440	400	420	420	4.76	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:16:04	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2105679	2081172	2087288	2091379	0.61	cps
Lead	207-1	1698013	1686332	1691788	1692044	0.35	cps
Lead	208-1	7970839	7959926	7977765	7969510	0.11	cps
Lithium	6-1	576440	581791	586367	581533	0.85	cps
Magnesium	24-2	1895200	1880209	1956127	1910512	2.10	cps
Manganese	55-2	724824	720932	720140	721965	0.35	cps
Molybdenum	94-1	36375	38026	37124	37175	2.22	cps
Molybdenum	95-1	7138	7452	7402	7331	2.30	cps
Molybdenum	96-1	13720	14077	13867	13888	1.29	cps
Molybdenum	97-1	4561	4457	4667	4562	2.30	cps
Molybdenum	98-1	12032	11798	11918	11916	0.98	cps
Neodymium	150-1	26161	26939	26999	26700	1.75	cps
Neodymium	150-2	17451	17267	17731	17483	1.34	cps
Nickel	60-2	62787	61817	61850	62152	0.89	cps
Phosphorus	31-2	11418	11514	11688	11540	1.19	cps
Potassium	39-2	898815	894917	905094	899609	0.57	cps
Rhodium	103-1	3655904	3643202	3614480	3637862	0.58	cps
Rhodium	103-2	2489109	2489829	2389383	2456107	2.35	cps
Scandium	45-1	2223966	2250032	2239633	2237877	0.59	cps
Scandium	45-2	242489	246059	244266	244272	0.73	cps
Selenium	82-1	737	674	694	701	4.56	cps
Selenium	77-2	137	137	117	130	8.88	cps
Selenium	78-2	553	603	603	587	4.92	cps
Silicon	28-1	2457141	2514482	2480419	2484014	1.16	cps
Silver	107-1	52000	52468	54385	52951	2.39	cps
Silver	109-1	49528	50712	50431	50223	1.23	cps
Sodium	23-2	1608106	1665041	1628289	1633812	1.77	cps
Strontium	86-1	116131	114804	116320	115752	0.71	cps
Strontium	88-1	1000471	1013658	1011084	1008404	0.69	cps
Sulfur	34-1	541810	544210	543351	543123	0.22	cps
Terbium	159-1	4540767	4442751	4503288	4495602	1.10	cps
Terbium	159-2	3419104	3475923	3478796	3457941	0.97	cps
Thallium	203-1	2190	2284	2357	2277	3.67	cps
Thallium	205-1	5595	5031	5595	5407	6.02	cps
Tin	118-1	126682	129127	130216	128675	1.41	cps
Titanium	47-1	207808	209536	210803	209382	0.72	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S10-022047-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:16:04	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25468	24924	26400	25598	2.92	cps
Vanadium	51-2	106771	107718	106613	107034	0.56	cps
Yttrium	89-1	6637098	6751066	6617243	6668469	1.08	cps
Yttrium	89-2	2060181	2034196	2030430	2041602	0.79	cps
Zinc	66-2	383580	383977	387677	385078	0.59	cps
Zirconium	90-1	89900	89257	89169	89442	0.45	cps
Zirconium	91-1	19593	19570	19827	19663	0.72	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:19:19	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3566077	3612542	3575542	3584721	0.68	cps
Antimony	121-1	1333	1323	1383	1347	2.39	cps
Arsenic	75-2	22412	22565	22462	22479	0.35	cps
Barium	135-1	335312	334529	336554	335465	0.30	cps
Barium	137-1	581747	575634	576337	577906	0.58	cps
Beryllium	9-1	1303	1363	1367	1345	2.65	cps
Bismuth	209-1	2791680	2858799	2755321	2801933	1.87	cps
Bismuth	209-2	2595381	2595837	2548912	2580043	1.04	cps
Bromine	81-1	130540	166887	182711	160046	16.71	cps
Bromine	81-2	39295	39035	39486	39272	0.58	cps
Cadmium	108-1	373	323	353	350	7.19	cps
Cadmium	106-1	2184	2090	2080	2118	2.69	cps
Cadmium	111-1	4401	4607	4623	4544	2.73	cps
Calcium	43-1	101773	101776	102021	101856	0.14	cps
Calcium	44-1	1595474	1613349	1636698	1615174	1.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	402948	399300	396175	399474	0.85	cps
Cobalt	59-2	80759	81738	80461	80986	0.82	cps
Copper	63-2	833160	835513	829878	832850	0.34	cps
Dysprosium	156-1	30410	31148	31265	30941	1.50	cps
Dysprosium	156-2	31148	30483	30203	30611	1.59	cps
Erbium	164-1	30543	31175	31315	31011	1.33	cps
Erbium	164-2	24268	24204	23730	24067	1.22	cps
Gadolinium	160-1	33199	33514	33988	33567	1.18	cps
Gadolinium	160-2	27050	27707	26886	27214	1.60	cps
Holmium	165-1	4540711	4436227	4498086	4491675	1.17	cps
Holmium	165-2	3687775	3473584	3452614	3537991	3.68	cps
Indium	115-1	3572596	3693595	3575272	3613821	1.91	cps
Indium	115-2	1462272	1427873	1410545	1433563	1.84	cps
Iron	56-2	141167518	138684951	138369005	139407158	1.10	cps
Iron	57-2	3438185	3325280	3343329	3368932	1.80	cps
Iron	54-2	7563660	7659822	7685927	7636469	0.84	cps
Krypton	83-1	363	473	503	447	16.50	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:19:19	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1266602	1279543	1300998	1282381	1.35	cps
Lead	207-1	1042933	1056109	1058187	1052410	0.79	cps
Lead	208-1	5179287	5208390	5184673	5190783	0.30	cps
Lithium	6-1	589771	595337	592351	592486	0.47	cps
Magnesium	24-2	2860856	2952194	2868703	2893918	1.75	cps
Manganese	55-2	3771404	3676855	3588095	3678785	2.49	cps
Molybdenum	94-1	58814	58945	59283	59014	0.41	cps
Molybdenum	95-1	4584	4624	4561	4590	0.70	cps
Molybdenum	96-1	14884	16032	15268	15395	3.80	cps
Molybdenum	97-1	2767	3110	2980	2953	5.87	cps
Molybdenum	98-1	7479	7485	7322	7429	1.24	cps
Neodymium	150-1	47600	48640	49219	48487	1.69	cps
Neodymium	150-2	32337	32287	31615	32080	1.26	cps
Nickel	60-2	65493	64967	64552	65004	0.73	cps
Phosphorus	31-2	15918	15555	15805	15759	1.18	cps
Potassium	39-2	1276054	1246774	1209429	1244086	2.68	cps
Rhodium	103-1	3577583	3567320	3585531	3576811	0.26	cps
Rhodium	103-2	2525340	2472108	2513935	2503794	1.12	cps
Scandium	45-1	2336554	2301968	2303243	2313922	0.85	cps
Scandium	45-2	251136	245008	243881	246675	1.58	cps
Selenium	82-1	782	759	650	730	9.69	cps
Selenium	77-2	220	247	223	230	6.32	cps
Selenium	78-2	773	700	660	711	8.08	cps
Silicon	28-1	3841709	3645689	3708256	3731884	2.68	cps
Silver	107-1	24394	24674	24294	24454	0.81	cps
Silver	109-1	23125	23159	22721	23002	1.06	cps
Sodium	23-2	1717134	1583698	1550682	1617172	5.45	cps
Strontium	86-1	118063	118702	119575	118780	0.64	cps
Strontium	88-1	1045393	1043548	1050670	1046537	0.35	cps
Sulfur	34-1	469012	464868	467796	467225	0.46	cps
Terbium	159-1	4455087	4496829	4447914	4466610	0.59	cps
Terbium	159-2	3507262	3489536	3362041	3452946	2.29	cps
Thallium	203-1	2370	2334	2374	2359	0.94	cps
Thallium	205-1	5454	5601	5698	5585	2.19	cps
Tin	118-1	202108	201138	204932	202726	0.97	cps
Titanium	47-1	272522	272484	274140	273048	0.35	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-013038-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:19:19	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33119	32611	32591	32774	0.91	cps
Vanadium	51-2	147722	147918	145736	147125	0.82	cps
Yttrium	89-1	6827946	6892143	6851779	6857289	0.47	cps
Yttrium	89-2	2197738	2110701	2082727	2130389	2.82	cps
Zinc	66-2	306674	304252	307229	306052	0.52	cps
Zirconium	90-1	153188	153533	153128	153283	0.14	cps
Zirconium	91-1	34073	34026	34340	34146	0.50	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:22:31	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2179166	2119710	2120976	2139951	1.59	cps
Antimony	121-1	2424	2524	2487	2478	2.04	cps
Arsenic	75-2	17867	17740	18039	17882	0.84	cps
Barium	135-1	286768	292207	296342	291773	1.65	cps
Barium	137-1	498762	508089	513001	506617	1.43	cps
Beryllium	9-1	840	1003	843	896	10.42	cps
Bismuth	209-1	2862441	2892681	2832185	2862436	1.06	cps
Bismuth	209-2	2553466	2659334	2614237	2609012	2.04	cps
Bromine	81-1	78402	94544	99916	90954	12.31	cps
Bromine	81-2	20384	21139	20448	20657	2.03	cps
Cadmium	108-1	1037	893	940	957	7.64	cps
Cadmium	106-1	2950	2960	2724	2878	4.65	cps
Cadmium	111-1	14372	14620	14735	14576	1.27	cps
Calcium	43-1	90683	90977	91152	90937	0.26	cps
Calcium	44-1	1458876	1437463	1465537	1453958	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1019401	1004399	1018026	1013942	0.82	cps
Cobalt	59-2	53753	53181	52749	53228	0.95	cps
Copper	63-2	1271591	1274655	1274799	1273681	0.14	cps
Dysprosium	156-1	18763	18415	18803	18660	1.14	cps
Dysprosium	156-2	18502	17561	18035	18033	2.61	cps
Erbium	164-1	18075	18336	18686	18366	1.67	cps
Erbium	164-2	14134	13944	13970	14016	0.73	cps
Gadolinium	160-1	19614	19607	19717	19646	0.31	cps
Gadolinium	160-2	16416	16436	16203	16352	0.79	cps
Holmium	165-1	4558840	4534344	4488383	4527189	0.79	cps
Holmium	165-2	3542287	3560492	3464872	3522550	1.44	cps
Indium	115-1	3661876	3607743	3636507	3635375	0.75	cps
Indium	115-2	1436346	1429512	1422801	1429553	0.47	cps
Iron	56-2	93056239	91727925	90246852	91677005	1.53	cps
Iron	57-2	2225170	2228241	2293239	2248883	1.71	cps
Iron	54-2	5052237	5040888	5097496	5063541	0.59	cps
Krypton	83-1	437	363	440	413	10.48	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:22:31	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2048876	2087621	2035080	2057193	1.32	cps
Lead	207-1	1491810	1651274	1689138	1610740	6.50	cps
Lead	208-1	7680739	7911807	7830202	7807583	1.50	cps
Lithium	6-1	600291	594774	600296	598454	0.53	cps
Magnesium	24-2	2144933	2138218	2138153	2140435	0.18	cps
Manganese	55-2	836325	836682	839420	837476	0.20	cps
Molybdenum	94-1	38407	39714	39734	39285	1.94	cps
Molybdenum	95-1	8006	7792	8569	8122	4.94	cps
Molybdenum	96-1	14788	15265	15331	15128	1.96	cps
Molybdenum	97-1	5164	5478	5514	5385	3.57	cps
Molybdenum	98-1	13296	13573	13683	13517	1.48	cps
Neodymium	150-1	28966	29160	29625	29250	1.16	cps
Neodymium	150-2	19884	19280	19110	19425	2.09	cps
Nickel	60-2	71576	69822	70227	70542	1.30	cps
Phosphorus	31-2	12332	12045	12779	12385	2.99	cps
Potassium	39-2	882970	881710	879625	881435	0.19	cps
Rhodium	103-1	3562617	3664378	3702346	3643114	1.98	cps
Rhodium	103-2	2477301	2527726	2436316	2480448	1.85	cps
Scandium	45-1	2279181	2326576	2298058	2301272	1.04	cps
Scandium	45-2	246074	242673	243056	243934	0.76	cps
Selenium	82-1	542	621	530	564	8.68	cps
Selenium	77-2	100	150	150	133	21.65	cps
Selenium	78-2	530	527	573	543	4.79	cps
Silicon	28-1	3332667	3419805	3248942	3333804	2.56	cps
Silver	107-1	59846	60890	60298	60345	0.87	cps
Silver	109-1	56008	57567	57868	57148	1.75	cps
Sodium	23-2	1167852	1180594	1178568	1175671	0.58	cps
Strontium	86-1	102773	105865	106020	104886	1.75	cps
Strontium	88-1	908609	923748	934605	922321	1.42	cps
Sulfur	34-1	587205	592091	592402	590566	0.49	cps
Terbium	159-1	4414435	4597079	4583484	4531666	2.25	cps
Terbium	159-2	3330683	3440735	3272136	3347851	2.56	cps
Thallium	203-1	1810	1943	1800	1851	4.32	cps
Thallium	205-1	4334	4531	4264	4376	3.16	cps
Tin	118-1	94394	96437	98071	96301	1.91	cps
Titanium	47-1	231027	230277	229225	230176	0.39	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S06-000021-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:22:31	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27844	26935	26801	27193	2.09	cps
Vanadium	51-2	134685	133502	132840	133676	0.70	cps
Yttrium	89-1	6677886	6750674	6751979	6726846	0.63	cps
Yttrium	89-2	2034930	2074914	2054329	2054724	0.97	cps
Zinc	66-2	387344	383368	385360	385357	0.52	cps
Zirconium	90-1	94667	94848	94553	94689	0.16	cps
Zirconium	91-1	20922	21189	20932	21014	0.72	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:25:47	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3214733	3291130	3318598	3274820	1.64	cps
Antimony	121-1	2834	3050	2770	2885	5.09	cps
Arsenic	75-2	23628	24068	23080	23592	2.10	cps
Barium	135-1	411291	409393	403933	408206	0.94	cps
Barium	137-1	709343	716940	707390	711224	0.71	cps
Beryllium	9-1	1577	1423	1537	1512	5.26	cps
Bismuth	209-1	2886375	2855510	2867415	2869767	0.54	cps
Bismuth	209-2	2586286	2557774	2593333	2579131	0.73	cps
Bromine	81-1	136869	171142	181729	163247	14.36	cps
Bromine	81-2	38376	38580	39085	38681	0.94	cps
Cadmium	108-1	2377	2124	2067	2189	7.54	cps
Cadmium	106-1	4411	4351	4374	4378	0.69	cps
Cadmium	111-1	29030	29573	29108	29237	1.00	cps
Calcium	43-1	200142	202717	201094	201318	0.65	cps
Calcium	44-1	3156671	3192953	3063763	3137796	2.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1959991	1983605	1931248	1958281	1.34	cps
Cobalt	59-2	96116	96441	98413	96990	1.28	cps
Copper	63-2	2482223	2387001	2457150	2442125	2.02	cps
Dysprosium	156-1	27263	27086	26659	27003	1.15	cps
Dysprosium	156-2	26849	26328	26893	26690	1.18	cps
Erbium	164-1	26125	26839	26686	26550	1.42	cps
Erbium	164-2	20675	20455	20572	20567	0.54	cps
Gadolinium	160-1	27788	28967	28953	28569	2.37	cps
Gadolinium	160-2	23617	23340	23229	23395	0.85	cps
Holmium	165-1	4475764	4491510	4532266	4499846	0.65	cps
Holmium	165-2	3625020	3519430	3471601	3538684	2.22	cps
Indium	115-1	3646606	3625357	3511678	3594547	2.02	cps
Indium	115-2	1403369	1399377	1419946	1407564	0.77	cps
Iron	56-2	142689555	142171175	142704038	142521589	0.21	cps
Iron	57-2	3582555	3496117	3478281	3518984	1.58	cps
Iron	54-2	7878219	8040770	7918884	7945958	1.06	cps
Krypton	83-1	417	313	373	368	14.11	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:25:47	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2752105	2703538	2746548	2734064	0.97	cps
Lead	207-1	2287586	2341074	2263451	2297370	1.73	cps
Lead	208-1	10503689	10736572	10598120	10612794	1.10	cps
Lithium	6-1	597916	606289	599973	601393	0.73	cps
Magnesium	24-2	4007783	3934975	3934090	3958949	1.07	cps
Manganese	55-2	1185775	1178734	1187607	1184038	0.40	cps
Molybdenum	94-1	70111	70181	68821	69704	1.10	cps
Molybdenum	95-1	20655	20237	19950	20281	1.75	cps
Molybdenum	96-1	31577	32613	32677	32289	1.91	cps
Molybdenum	97-1	12969	12589	12926	12828	1.62	cps
Molybdenum	98-1	32142	32847	31948	32313	1.46	cps
Neodymium	150-1	44403	44550	42932	43962	2.04	cps
Neodymium	150-2	29421	28582	28653	28885	1.61	cps
Nickel	60-2	174134	176173	173257	174522	0.86	cps
Phosphorus	31-2	20487	20457	20414	20453	0.18	cps
Potassium	39-2	1459948	1472464	1478074	1470162	0.63	cps
Rhodium	103-1	3616147	3639324	3575934	3610469	0.89	cps
Rhodium	103-2	2435456	2421806	2439702	2432322	0.38	cps
Scandium	45-1	2316416	2364624	2257529	2312857	2.32	cps
Scandium	45-2	242900	241637	247389	243975	1.24	cps
Selenium	82-1	866	904	742	837	10.15	cps
Selenium	77-2	157	203	180	180	12.96	cps
Selenium	78-2	550	623	657	610	8.95	cps
Silicon	28-1	3231503	3338293	3422138	3330645	2.87	cps
Silver	107-1	58066	59217	58099	58461	1.12	cps
Silver	109-1	53642	55195	54683	54507	1.45	cps
Sodium	23-2	6273144	6241667	6231923	6248911	0.34	cps
Strontium	86-1	221960	223697	222112	222590	0.43	cps
Strontium	88-1	2045896	2004428	2020854	2023726	1.03	cps
Sulfur	34-1	857661	855826	851319	854935	0.38	cps
Terbium	159-1	4544691	4475836	4473827	4498118	0.90	cps
Terbium	159-2	3485837	3441899	3364688	3430808	1.79	cps
Thallium	203-1	2807	3034	2614	2818	7.46	cps
Thallium	205-1	6598	6478	6665	6581	1.44	cps
Tin	118-1	231811	234483	232573	232956	0.59	cps
Titanium	47-1	373625	376278	370346	373416	0.80	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3393-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-000013-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:25:47	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57447	56456	56754	56886	0.89	cps
Vanadium	51-2	266392	264237	266074	265568	0.44	cps
Yttrium	89-1	6838086	6867054	6835754	6846965	0.25	cps
Yttrium	89-2	2058160	2030381	2040309	2042950	0.69	cps
Zinc	66-2	749786	750798	756725	752436	0.50	cps
Zirconium	90-1	154910	159198	157378	157162	1.37	cps
Zirconium	91-1	34711	35717	35349	35259	1.44	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:28:54	DataFile Name :	131CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7507671	7574277	7428360	7503436	0.97	cps
Antimony	121-1	2372378	2403510	2389302	2388397	0.65	cps
Arsenic	75-2	187682	184724	188803	187069	1.13	cps
Barium	135-1	2781917	2749618	2818085	2783207	1.23	cps
Barium	137-1	4743424	4857401	4786281	4795702	1.20	cps
Beryllium	9-1	418740	421277	426168	422062	0.89	cps
Bismuth	209-1	2712074	2730514	2758694	2733761	0.86	cps
Bismuth	209-2	2381205	2408411	2395770	2395129	0.57	cps
Bromine	81-1	22464	20207	18996	20556	8.56	cps
Bromine	81-2	2177	2184	1993	2118	5.09	cps
Cadmium	108-1	46765	47337	48273	47459	1.60	cps
Cadmium	106-1	65326	65949	66254	65843	0.72	cps
Cadmium	111-1	644914	652735	654355	650668	0.78	cps
Calcium	43-1	3186321	3285105	3219645	3230357	1.56	cps
Calcium	44-1	52134538	52001736	51661979	51932751	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1295785	1274211	1289060	1286352	0.86	cps
Cobalt	59-2	2007122	1940410	1968467	1971999	1.70	cps
Copper	63-2	15214724	15224359	14860111	15099731	1.37	cps
Dysprosium	156-1	167	110	153	143	20.67	cps
Dysprosium	156-2	333	333	330	332	0.58	cps
Erbium	164-1	327	320	303	317	3.79	cps
Erbium	164-2	193	243	247	228	13.12	cps
Gadolinium	160-1	153	147	183	161	12.12	cps
Gadolinium	160-2	330	350	320	333	4.58	cps
Holmium	165-1	4559355	4534745	4619213	4571104	0.95	cps
Holmium	165-2	3573283	3479322	3455131	3502578	1.78	cps
Indium	115-1	3521772	3424673	3553361	3499936	1.92	cps
Indium	115-2	1337340	1351744	1354797	1347960	0.69	cps
Iron	56-2	296611422	287406256	282935269	288984316	2.41	cps
Iron	57-2	7393305	7356923	7140363	7296864	1.87	cps
Iron	54-2	16147519	15919218	16122433	16063057	0.78	cps
Krypton	83-1	337	393	350	360	8.23	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:28:54	DataFile Name :	131CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9027390	9358126	9308326	9231281	1.93	cps
Lead	207-1	7681839	7745726	7703142	7710236	0.42	cps
Lead	208-1	35064685	36009128	35996163	35689992	1.52	cps
Lithium	6-1	594618	596090	596555	595754	0.17	cps
Magnesium	24-2	67172952	66603786	64718721	66165153	1.94	cps
Manganese	55-2	10778059	10674858	10818624	10757180	0.69	cps
Molybdenum	94-1	8714388	8814421	8774395	8767735	0.57	cps
Molybdenum	95-1	12110833	12342751	12426931	12293505	1.33	cps
Molybdenum	96-1	13334438	13452555	13667060	13484684	1.25	cps
Molybdenum	97-1	7693256	7662352	7770819	7708809	0.72	cps
Molybdenum	98-1	20019586	20081788	19801491	19967622	0.74	cps
Neodymium	150-1	133	143	153	143	6.98	cps
Neodymium	150-2	87	63	90	80	18.17	cps
Nickel	60-2	496912	497273	494925	496370	0.25	cps
Phosphorus	31-2	88062	86539	88366	87656	1.12	cps
Potassium	39-2	33693317	33481495	33756346	33643719	0.43	cps
Rhodium	103-1	3445241	3465804	3478787	3463278	0.49	cps
Rhodium	103-2	2396594	2315548	2257796	2323313	3.00	cps
Scandium	45-1	2204444	2205734	2218164	2209447	0.34	cps
Scandium	45-2	237796	234498	238705	237000	0.93	cps
Selenium	82-1	52825	52954	52799	52859	0.16	cps
Selenium	77-2	6401	6371	6281	6351	0.98	cps
Selenium	78-2	21509	21586	21155	21417	1.07	cps
Silicon	28-1	25143338	25419085	24670731	25077718	1.51	cps
Silver	107-1	3258093	3279226	3240644	3259321	0.59	cps
Silver	109-1	3082556	3010669	3139364	3077530	2.10	cps
Sodium	23-2	103461702	101389315	102305872	102385630	1.01	cps
Strontium	86-1	757031	764319	766159	762503	0.63	cps
Strontium	88-1	6857771	6865823	6884309	6869301	0.20	cps
Sulfur	34-1	379041	377078	378560	378226	0.27	cps
Terbium	159-1	4496002	4523980	4646275	4555419	1.75	cps
Terbium	159-2	3419968	3341611	3405810	3389130	1.23	cps
Thallium	203-1	2282290	2286065	2371812	2313389	2.19	cps
Thallium	205-1	5362678	5421834	5413578	5399363	0.59	cps
Tin	118-1	1947436	2008844	1987206	1981162	1.57	cps
Titanium	47-1	3251754	3285177	3262366	3266432	0.52	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:28:54	DataFile Name :	131CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6651330	6575652	6759285	6662089	1.39	cps
Vanadium	51-2	1082096	1067359	1074096	1074517	0.69	cps
Yttrium	89-1	6312705	6353036	6447881	6371207	1.09	cps
Yttrium	89-2	1873315	1930222	1930845	1911461	1.73	cps
Zinc	66-2	2883907	2876371	2854058	2871445	0.54	cps
Zirconium	90-1	4360785	4392558	4366844	4373396	0.39	cps
Zirconium	91-1	924567	930726	936712	930668	0.65	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:31:49	DataFile Name :	132CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	417	523	517	486	12.31	cps
Antimony	121-1	793	797	860	817	4.60	cps
Arsenic	75-2	11	11	11	11	0.73	cps
Barium	135-1	53	47	23	41	38.32	cps
Barium	137-1	93	67	43	68	36.91	cps
Beryllium	9-1	23	27	13	21	32.88	cps
Bismuth	209-1	2738131	2727537	2789079	2751582	1.20	cps
Bismuth	209-2	2543393	2490616	2554153	2529387	1.34	cps
Bromine	81-1	12062	11475	11475	11670	2.90	cps
Bromine	81-2	953	860	830	881	7.30	cps
Cadmium	108-1	13	17	7	12	41.65	cps
Cadmium	106-1	1593	1347	1450	1463	8.47	cps
Cadmium	111-1	1156	968	1057	1060	8.89	cps
Calcium	43-1	160	143	170	158	8.54	cps
Calcium	44-1	17450	17000	17343	17265	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1470	1417	1400	1429	2.56	cps
Cobalt	59-2	53	60	67	60	11.12	cps
Copper	63-2	1297	1223	1253	1258	2.93	cps
Dysprosium	156-1	0	10	7	6	91.64	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	17	10	20	16	32.73	cps
Erbium	164-2	23	20	10	18	39.03	cps
Gadolinium	160-1	13	17	13	14	13.35	cps
Gadolinium	160-2	207	263	267	246	13.73	cps
Holmium	165-1	4492863	4349872	4230842	4357859	3.01	cps
Holmium	165-2	3481209	3366106	3456484	3434600	1.76	cps
Indium	115-1	3614575	3512578	3642842	3589998	1.91	cps
Indium	115-2	1382666	1384121	1386592	1384460	0.14	cps
Iron	56-2	25709	26527	25746	25994	1.78	cps
Iron	57-2	1663	1510	1480	1551	6.34	cps
Iron	54-2	2394	2430	2537	2454	3.04	cps
Krypton	83-1	310	320	363	331	8.56	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:31:49	DataFile Name :	132CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	630	647	630	636	1.51	cps
Lead	207-1	507	477	513	499	3.92	cps
Lead	208-1	2397	2330	2417	2381	1.91	cps
Lithium	6-1	576988	575580	568909	573826	0.75	cps
Magnesium	24-2	560	807	600	656	20.19	cps
Manganese	55-2	673	697	613	661	6.50	cps
Molybdenum	94-1	587	473	463	508	13.49	cps
Molybdenum	95-1	480	567	470	506	10.52	cps
Molybdenum	96-1	707	583	623	638	9.87	cps
Molybdenum	97-1	360	360	340	353	3.27	cps
Molybdenum	98-1	863	767	730	787	8.76	cps
Neodymium	150-1	7	3	0	3	100.05	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	300	327	367	331	10.13	cps
Phosphorus	31-2	337	297	330	321	6.67	cps
Potassium	39-2	61299	61584	60690	61191	0.75	cps
Rhodium	103-1	3478437	3471682	3462102	3470740	0.24	cps
Rhodium	103-2	2440921	2355767	2428710	2408466	1.91	cps
Scandium	45-1	2144030	2098568	2166929	2136509	1.63	cps
Scandium	45-2	229740	227213	231497	229483	0.94	cps
Selenium	82-1	279	276	227	261	11.26	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	327	353	300	327	8.16	cps
Silicon	28-1	582206	580810	583543	582186	0.23	cps
Silver	107-1	287	217	187	230	22.31	cps
Silver	109-1	277	217	207	233	16.23	cps
Sodium	23-2	40009	39905	39046	39653	1.33	cps
Strontium	86-1	563	547	630	580	7.60	cps
Strontium	88-1	203	150	133	162	22.54	cps
Sulfur	34-1	152391	151963	149469	151274	1.04	cps
Terbium	159-1	4526984	4474653	4377576	4459738	1.70	cps
Terbium	159-2	3320731	3362792	3430070	3371198	1.64	cps
Thallium	203-1	273	277	270	273	1.22	cps
Thallium	205-1	687	620	670	659	5.27	cps
Tin	118-1	1180	1187	1317	1228	6.28	cps
Titanium	47-1	87	80	77	81	6.28	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 20:31:49	DataFile Name :	132CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	97	100	87	94	7.35	cps
Vanadium	51-2	20	13	27	20	33.35	cps
Yttrium	89-1	6252844	6140719	6282399	6225321	1.20	cps
Yttrium	89-2	1951332	1938291	1916328	1935317	0.91	cps
Zinc	66-2	1307	1420	1380	1369	4.20	cps
Zirconium	90-1	597	607	563	589	3.85	cps
Zirconium	91-1	150	120	133	134	11.18	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:35:12	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2286176	2325464	2277447	2296362	1.11	cps
Antimony	121-1	1117	1193	1253	1188	5.77	cps
Arsenic	75-2	9808	9470	9580	9620	1.79	cps
Barium	135-1	198132	202519	200405	200352	1.10	cps
Barium	137-1	348177	351396	347287	348953	0.62	cps
Beryllium	9-1	1100	1120	1110	1110	0.90	cps
Bismuth	209-1	2750993	2917322	2827123	2831812	2.94	cps
Bismuth	209-2	2644130	2641701	2579835	2621888	1.39	cps
Bromine	81-1	101786	130024	139742	123851	15.92	cps
Bromine	81-2	30802	30752	30826	30793	0.12	cps
Cadmium	108-1	1020	980	1123	1041	7.10	cps
Cadmium	106-1	3104	3047	2924	3025	3.04	cps
Cadmium	111-1	13050	13522	12755	13109	2.95	cps
Calcium	43-1	106236	105377	104971	105528	0.61	cps
Calcium	44-1	1667705	1682381	1713179	1687755	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	777912	780027	763977	773972	1.13	cps
Cobalt	59-2	65861	65352	66078	65764	0.57	cps
Copper	63-2	1169306	1166304	1153681	1163097	0.71	cps
Dysprosium	156-1	18526	19096	19200	18941	1.92	cps
Dysprosium	156-2	18015	18436	18472	18308	1.39	cps
Erbium	164-1	18159	18419	18793	18457	1.73	cps
Erbium	164-2	14237	14224	14134	14198	0.40	cps
Gadolinium	160-1	20335	19964	20285	20195	1.00	cps
Gadolinium	160-2	16440	16653	16006	16366	2.02	cps
Holmium	165-1	4396118	4469511	4418136	4427922	0.85	cps
Holmium	165-2	3579383	3565505	3481399	3542096	1.50	cps
Indium	115-1	3604294	3575423	3590067	3589928	0.40	cps
Indium	115-2	1407819	1409590	1402752	1406720	0.25	cps
Iron	56-2	101824052	101035165	98464425	100441214	1.75	cps
Iron	57-2	2478890	2465979	2447654	2464174	0.64	cps
Iron	54-2	5493171	5693100	5499073	5561781	2.05	cps
Krypton	83-1	387	367	393	382	3.63	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:35:12	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3210326	3276774	3131198	3206099	2.27	cps
Lead	207-1	2733489	2696076	2699525	2709697	0.76	cps
Lead	208-1	12332987	12425901	12105340	12288076	1.34	cps
Lithium	6-1	580117	580305	583896	581439	0.37	cps
Magnesium	24-2	2924294	2973822	2965832	2954649	0.90	cps
Manganese	55-2	880115	872543	867304	873321	0.74	cps
Molybdenum	94-1	50223	51604	51153	50993	1.38	cps
Molybdenum	95-1	13350	13319	13783	13484	1.92	cps
Molybdenum	96-1	21539	21773	22227	21846	1.60	cps
Molybdenum	97-1	8232	8646	8442	8440	2.45	cps
Molybdenum	98-1	21392	21242	22117	21584	2.17	cps
Neodymium	150-1	28960	30323	29514	29599	2.32	cps
Neodymium	150-2	19677	19036	19470	19395	1.69	cps
Nickel	60-2	95080	94475	94402	94652	0.39	cps
Phosphorus	31-2	10374	10570	10537	10494	1.00	cps
Potassium	39-2	1135564	1145070	1138305	1139646	0.43	cps
Rhodium	103-1	3519580	3528089	3547459	3531709	0.40	cps
Rhodium	103-2	2442229	2416192	2415490	2424637	0.63	cps
Scandium	45-1	2212012	2229501	2167195	2202903	1.46	cps
Scandium	45-2	238666	238662	237743	238357	0.22	cps
Selenium	82-1	566	580	550	566	2.69	cps
Selenium	77-2	93	153	110	119	26.06	cps
Selenium	78-2	470	420	353	414	14.12	cps
Silicon	28-1	1379014	1387494	1395434	1387314	0.59	cps
Silver	107-1	52347	52940	53070	52786	0.73	cps
Silver	109-1	49545	49745	49795	49695	0.27	cps
Sodium	23-2	5662925	5669616	5562424	5631655	1.07	cps
Strontium	86-1	100745	101292	101826	101288	0.53	cps
Strontium	88-1	882128	897832	893701	891220	0.91	cps
Sulfur	34-1	662312	665752	663002	663689	0.27	cps
Terbium	159-1	4482746	4475967	4341843	4433519	1.79	cps
Terbium	159-2	3437637	3340109	3307306	3361684	2.02	cps
Thallium	203-1	1833	1950	1837	1873	3.55	cps
Thallium	205-1	4241	4427	4597	4422	4.04	cps
Tin	118-1	179634	183866	182865	182121	1.21	cps
Titanium	47-1	256052	256721	260062	257611	0.83	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-01DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S09-000051-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:35:12	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	29614	31058	30452	30375	2.39	cps
Vanadium	51-2	126859	126600	125995	126484	0.35	cps
Yttrium	89-1	6697546	6608179	6504857	6603527	1.46	cps
Yttrium	89-2	2065088	2012461	2007705	2028418	1.57	cps
Zinc	66-2	434732	436823	431100	434218	0.67	cps
Zirconium	90-1	114541	116113	115413	115356	0.68	cps
Zirconium	91-1	26120	25669	26484	26091	1.56	cps

Reviewed By:jaswal
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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:38:24	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2912468	2944920	2931438	2929609	0.56	cps
Antimony	121-1	1983	2037	1950	1990	2.20	cps
Arsenic	75-2	21446	21245	21319	21337	0.48	cps
Barium	135-1	342010	341008	344893	342637	0.59	cps
Barium	137-1	595171	597698	598083	596984	0.26	cps
Beryllium	9-1	1233	1230	1170	1211	2.94	cps
Bismuth	209-1	2947458	3011892	2872056	2943802	2.38	cps
Bismuth	209-2	2563727	2598857	2668868	2610484	2.05	cps
Bromine	81-1	114780	140064	153117	135987	14.33	cps
Bromine	81-2	32953	34133	33014	33367	1.99	cps
Cadmium	108-1	1080	1213	1263	1186	7.99	cps
Cadmium	106-1	3157	3207	3330	3232	2.76	cps
Cadmium	111-1	17146	16947	17039	17044	0.58	cps
Calcium	43-1	97515	98655	99635	98602	1.08	cps
Calcium	44-1	1580764	1628545	1561079	1590129	2.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1246571	1227020	1243497	1239029	0.85	cps
Cobalt	59-2	64451	65157	64377	64662	0.67	cps
Copper	63-2	1642348	1609798	1623552	1625233	1.01	cps
Dysprosium	156-1	23577	24294	23456	23776	1.91	cps
Dysprosium	156-2	23503	23563	23693	23587	0.41	cps
Erbium	164-1	23323	23396	23694	23471	0.84	cps
Erbium	164-2	17955	18018	17828	17934	0.54	cps
Gadolinium	160-1	25229	25203	24351	24928	2.00	cps
Gadolinium	160-2	20739	20695	20869	20768	0.43	cps
Holmium	165-1	4580725	4721276	4586405	4629469	1.72	cps
Holmium	165-2	3556222	3572006	3585541	3571256	0.41	cps
Indium	115-1	3622003	3498162	3550952	3557039	1.75	cps
Indium	115-2	1417874	1422867	1427936	1422892	0.35	cps
Iron	56-2	119268955	121498812	119896562	120221443	0.96	cps
Iron	57-2	2975467	2978917	2964550	2972978	0.25	cps
Iron	54-2	6734902	6715429	6676271	6708867	0.45	cps
Krypton	83-1	417	367	437	407	8.87	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:38:24	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2283808	2330969	2292658	2302478	1.09	cps
Lead	207-1	1870559	1883815	1854715	1869696	0.78	cps
Lead	208-1	8852010	8817320	8706626	8791986	0.86	cps
Lithium	6-1	606916	602557	598318	602597	0.71	cps
Magnesium	24-2	2833854	2899752	2937424	2890343	1.81	cps
Manganese	55-2	1040965	1033859	1056121	1043648	1.09	cps
Molybdenum	94-1	50273	49624	49484	49793	0.85	cps
Molybdenum	95-1	8883	8856	9036	8925	1.09	cps
Molybdenum	96-1	17320	17013	17234	17189	0.92	cps
Molybdenum	97-1	5441	5581	5664	5562	2.03	cps
Molybdenum	98-1	14344	14447	14377	14389	0.37	cps
Neodymium	150-1	37082	38088	37864	37678	1.40	cps
Neodymium	150-2	24341	24555	24895	24597	1.14	cps
Nickel	60-2	82180	82888	81718	82262	0.72	cps
Phosphorus	31-2	23986	24296	23969	24083	0.77	cps
Potassium	39-2	1208833	1183223	1194574	1195543	1.07	cps
Rhodium	103-1	3595497	3573846	3679327	3616223	1.54	cps
Rhodium	103-2	2489986	2461634	2485039	2478886	0.61	cps
Scandium	45-1	2252849	2249822	2258945	2253872	0.21	cps
Scandium	45-2	242117	245355	247230	244901	1.06	cps
Selenium	82-1	617	674	615	635	5.29	cps
Selenium	77-2	100	207	150	152	35.06	cps
Selenium	78-2	560	557	577	564	1.90	cps
Silicon	28-1	4576142	4229017	4305209	4370123	4.17	cps
Silver	107-1	55864	56791	57624	56759	1.55	cps
Silver	109-1	53007	54288	53441	53579	1.22	cps
Sodium	23-2	5141643	5153768	5134329	5143247	0.19	cps
Strontium	86-1	146203	148354	149503	148020	1.13	cps
Strontium	88-1	1295172	1318453	1304997	1306207	0.89	cps
Sulfur	34-1	653175	661985	658545	657901	0.67	cps
Terbium	159-1	4608120	4747332	4585062	4646838	1.89	cps
Terbium	159-2	3522847	3431515	3431929	3462097	1.52	cps
Thallium	203-1	2280	2400	2320	2334	2.62	cps
Thallium	205-1	5541	5608	5778	5642	2.16	cps
Tin	118-1	159847	187510	162736	170031	8.94	cps
Titanium	47-1	282322	295933	283855	287370	2.59	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:38:24	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	29805	30349	29431	29861	1.55	cps
Vanadium	51-2	175441	174808	174935	175061	0.19	cps
Yttrium	89-1	6812051	6742980	6751163	6768731	0.56	cps
Yttrium	89-2	2052660	2037522	2098625	2062935	1.54	cps
Zinc	66-2	427667	422306	425826	425266	0.64	cps
Zirconium	90-1	120759	123224	121858	121947	1.01	cps
Zirconium	91-1	27172	27316	27115	27201	0.38	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:41:32	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2942155	2947671	2952559	2947462	0.18	cps
Antimony	121-1	1850	1927	1913	1897	2.16	cps
Arsenic	75-2	21248	21427	21658	21444	0.96	cps
Barium	135-1	341047	349570	345767	345461	1.24	cps
Barium	137-1	589608	603018	597731	596786	1.13	cps
Beryllium	9-1	1053	1107	1190	1117	6.17	cps
Bismuth	209-1	2911356	2837340	2941589	2896762	1.85	cps
Bismuth	209-2	2678005	2588327	2612655	2626329	1.77	cps
Bromine	81-1	115556	145036	158213	139602	15.65	cps
Bromine	81-2	33321	33655	33962	33646	0.95	cps
Cadmium	108-1	1013	1127	1120	1087	5.85	cps
Cadmium	106-1	3134	3087	3277	3166	3.13	cps
Cadmium	111-1	16696	16951	17199	16948	1.48	cps
Calcium	43-1	99490	100138	99491	99706	0.37	cps
Calcium	44-1	1557295	1628239	1556212	1580582	2.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1232137	1245481	1238076	1238565	0.54	cps
Cobalt	59-2	65743	64461	64887	65030	1.00	cps
Copper	63-2	1593904	1615050	1629568	1612841	1.11	cps
Dysprosium	156-1	23643	23917	23233	23598	1.46	cps
Dysprosium	156-2	22658	22782	23383	22941	1.69	cps
Erbium	164-1	22879	23096	22919	22965	0.50	cps
Erbium	164-2	17992	18245	17778	18005	1.30	cps
Gadolinium	160-1	25213	25477	25410	25366	0.54	cps
Gadolinium	160-2	20849	20582	20642	20691	0.68	cps
Holmium	165-1	4573881	4551691	4584213	4569928	0.36	cps
Holmium	165-2	3652261	3600715	3512834	3588603	1.96	cps
Indium	115-1	3733522	3712664	3651621	3699269	1.15	cps
Indium	115-2	1449893	1440840	1431221	1440651	0.65	cps
Iron	56-2	117777425	120245675	119524778	119182626	1.06	cps
Iron	57-2	2925539	2979332	3008205	2971025	1.41	cps
Iron	54-2	6791357	6630099	6713466	6711641	1.20	cps
Krypton	83-1	400	407	400	402	0.96	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:41:32	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2175682	2290080	2168111	2211291	3.09	cps
Lead	207-1	1807925	1842853	1842805	1831194	1.10	cps
Lead	208-1	8439963	8757548	8560102	8585871	1.87	cps
Lithium	6-1	601735	609106	608281	606374	0.67	cps
Magnesium	24-2	2930371	2930788	2867532	2909564	1.25	cps
Manganese	55-2	1038847	1032906	1046832	1039529	0.67	cps
Molybdenum	94-1	49912	51029	50032	50324	1.22	cps
Molybdenum	95-1	8759	8809	8869	8813	0.63	cps
Molybdenum	96-1	16890	17557	18048	17498	3.32	cps
Molybdenum	97-1	5618	5691	5698	5669	0.78	cps
Molybdenum	98-1	13997	14471	13810	14092	2.42	cps
Neodymium	150-1	37116	38720	37911	37915	2.12	cps
Neodymium	150-2	24561	23937	24435	24311	1.36	cps
Nickel	60-2	82653	82971	81896	82507	0.67	cps
Phosphorus	31-2	24396	24149	24036	24194	0.76	cps
Potassium	39-2	1202223	1199726	1181565	1194505	0.94	cps
Rhodium	103-1	3643254	3631078	3637113	3637149	0.17	cps
Rhodium	103-2	2443896	2448756	2442773	2445141	0.13	cps
Scandium	45-1	2300552	2316416	2293489	2303486	0.51	cps
Scandium	45-2	246509	245240	244591	245447	0.40	cps
Selenium	82-1	630	776	656	687	11.37	cps
Selenium	77-2	133	147	177	152	14.58	cps
Selenium	78-2	577	580	570	576	0.88	cps
Silicon	28-1	5729667	5169976	4102296	5000646	16.53	cps
Silver	107-1	56356	56496	56195	56349	0.27	cps
Silver	109-1	53475	53960	53893	53776	0.49	cps
Sodium	23-2	5144915	5079238	5082644	5102266	0.72	cps
Strontium	86-1	150166	151930	150917	151004	0.59	cps
Strontium	88-1	1303939	1344226	1330602	1326256	1.55	cps
Sulfur	34-1	658244	658595	657203	658014	0.11	cps
Terbium	159-1	4800190	4524036	4571411	4631879	3.19	cps
Terbium	159-2	3569376	3475979	3383597	3476317	2.67	cps
Thallium	203-1	2247	2324	2230	2267	2.20	cps
Thallium	205-1	5441	5561	5581	5528	1.37	cps
Tin	118-1	161994	164414	162635	163014	0.77	cps
Titanium	47-1	287186	291333	288046	288855	0.76	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:41:32	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28916	29591	29166	29224	1.17	cps
Vanadium	51-2	174532	174335	175097	174654	0.23	cps
Yttrium	89-1	6740877	6809834	6802678	6784463	0.56	cps
Yttrium	89-2	2119832	2046145	2075534	2080504	1.78	cps
Zinc	66-2	424455	429477	427563	427165	0.59	cps
Zirconium	90-1	125783	124853	123832	124823	0.78	cps
Zirconium	91-1	27750	28254	28081	28028	0.91	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 20:44:41	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	577881	580927	573163	577324	0.68	cps
Antimony	121-1	420	467	527	471	11.35	cps
Arsenic	75-2	4290	4319	4283	4297	0.45	cps
Barium	135-1	67385	69244	69093	68574	1.51	cps
Barium	137-1	117138	120627	120291	119352	1.61	cps
Beryllium	9-1	303	180	277	253	25.62	cps
Bismuth	209-1	2813220	2879985	2869434	2854213	1.26	cps
Bismuth	209-2	2524137	2554918	2567327	2548794	0.87	cps
Bromine	81-1	38972	43655	44122	42250	6.74	cps
Bromine	81-2	7795	8086	7929	7937	1.83	cps
Cadmium	108-1	227	243	197	222	10.64	cps
Cadmium	106-1	1793	1913	1790	1832	3.84	cps
Cadmium	111-1	4244	4379	4306	4310	1.58	cps
Calcium	43-1	20187	20771	20230	20396	1.60	cps
Calcium	44-1	341253	345693	346290	344412	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	249441	247175	244354	246990	1.03	cps
Cobalt	59-2	13346	13166	13056	13189	1.11	cps
Copper	63-2	311725	312828	311174	311909	0.27	cps
Dysprosium	156-1	4861	4728	4804	4798	1.40	cps
Dysprosium	156-2	4527	4337	4571	4479	2.77	cps
Erbium	164-1	4644	4494	4411	4516	2.62	cps
Erbium	164-2	3604	3634	3567	3602	0.93	cps
Gadolinium	160-1	4968	4911	4931	4936	0.58	cps
Gadolinium	160-2	4091	4517	4287	4298	4.97	cps
Holmium	165-1	4435884	4506932	4596776	4513197	1.79	cps
Holmium	165-2	3555650	3561273	3490759	3535894	1.11	cps
Indium	115-1	3615717	3637235	3629869	3627607	0.30	cps
Indium	115-2	1440514	1435992	1421007	1432505	0.71	cps
Iron	56-2	24706171	24306460	24081540	24364724	1.30	cps
Iron	57-2	611427	602680	598260	604122	1.11	cps
Iron	54-2	1352639	1354891	1306353	1337961	2.05	cps
Krypton	83-1	350	373	327	350	6.67	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 20:44:41	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	400792	408220	396275	401762	1.50	cps
Lead	207-1	327051	326797	329310	327719	0.42	cps
Lead	208-1	1512343	1532482	1515225	1520017	0.72	cps
Lithium	6-1	593895	601918	605511	600442	0.99	cps
Magnesium	24-2	563105	564859	557871	561945	0.65	cps
Manganese	55-2	209723	207824	208106	208551	0.49	cps
Molybdenum	94-1	9900	10150	9987	10012	1.27	cps
Molybdenum	95-1	1893	1907	1990	1930	2.71	cps
Molybdenum	96-1	3410	3497	3577	3495	2.39	cps
Molybdenum	97-1	1300	1237	1243	1260	2.76	cps
Molybdenum	98-1	2934	2934	3090	2986	3.03	cps
Neodymium	150-1	7169	7629	7455	7418	3.13	cps
Neodymium	150-2	4884	4871	4671	4809	2.49	cps
Nickel	60-2	16382	17000	16452	16612	2.03	cps
Phosphorus	31-2	5251	5024	5234	5170	2.44	cps
Potassium	39-2	300410	295514	295428	297117	0.96	cps
Rhodium	103-1	3632464	3732471	3698205	3687713	1.38	cps
Rhodium	103-2	2475512	2491789	2472968	2480089	0.41	cps
Scandium	45-1	2180438	2254460	2269035	2234644	2.13	cps
Scandium	45-2	245616	240791	238998	241801	1.42	cps
Selenium	82-1	320	316	368	335	8.73	cps
Selenium	77-2	20	43	17	27	54.47	cps
Selenium	78-2	423	340	417	393	11.77	cps
Silicon	28-1	1455930	1462572	1451801	1456768	0.37	cps
Silver	107-1	11291	11491	11808	11530	2.26	cps
Silver	109-1	10474	10978	10671	10707	2.37	cps
Sodium	23-2	1039293	1045348	1032806	1039149	0.60	cps
Strontium	86-1	30031	31140	30913	30694	1.91	cps
Strontium	88-1	260928	267772	263342	264014	1.31	cps
Sulfur	34-1	229204	231925	232205	231111	0.72	cps
Terbium	159-1	4534082	4630126	4583447	4582552	1.05	cps
Terbium	159-2	3436754	3438256	3339846	3404952	1.66	cps
Thallium	203-1	613	650	583	616	5.42	cps
Thallium	205-1	1473	1470	1420	1455	2.05	cps
Tin	118-1	33038	33743	33663	33481	1.15	cps
Titanium	47-1	57548	57459	57298	57435	0.22	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	25
Date & Time Acquired :	2025-10-22 20:44:41	DataFile Name :	136SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5441	5895	5931	5756	4.74	cps
Vanadium	51-2	35138	34900	34733	34924	0.58	cps
Yttrium	89-1	6513872	6690422	6392340	6532211	2.29	cps
Yttrium	89-2	2024185	2014536	1985078	2007933	1.01	cps
Zinc	66-2	86911	86455	85108	86158	1.09	cps
Zirconium	90-1	25724	25612	25299	25545	0.86	cps
Zirconium	91-1	6112	5561	5621	5765	5.24	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:48:04	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3242473	3143497	3248029	3211333	1.83	cps
Antimony	121-1	411275	417192	413166	413878	0.73	cps
Arsenic	75-2	65197	64274	65192	64888	0.82	cps
Barium	135-1	984062	1010448	986528	993679	1.47	cps
Barium	137-1	1799970	1850925	1762886	1804593	2.45	cps
Beryllium	9-1	76571	78503	77331	77468	1.26	cps
Bismuth	209-1	2902150	2981361	2842919	2908810	2.39	cps
Bismuth	209-2	2631716	2605766	2680190	2639224	1.43	cps
Bromine	81-1	122330	147489	165838	145219	15.04	cps
Bromine	81-2	35252	35149	35262	35221	0.18	cps
Cadmium	108-1	10137	10584	10337	10353	2.16	cps
Cadmium	106-1	15655	16560	16459	16225	3.06	cps
Cadmium	111-1	147849	150259	149503	149204	0.83	cps
Calcium	43-1	270645	272926	278985	274185	1.57	cps
Calcium	44-1	4292207	4354939	4421493	4356213	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1802909	1746755	1743524	1764396	1.89	cps
Cobalt	59-2	444231	438446	446727	443135	0.96	cps
Copper	63-2	4757100	4649629	4701570	4702767	1.14	cps
Dysprosium	156-1	24448	25226	24565	24746	1.70	cps
Dysprosium	156-2	24578	23637	24495	24237	2.15	cps
Erbium	164-1	24812	24996	24452	24753	1.12	cps
Erbium	164-2	19023	18669	18946	18880	0.99	cps
Gadolinium	160-1	26108	26378	26191	26226	0.53	cps
Gadolinium	160-2	21350	21056	21517	21307	1.09	cps
Holmium	165-1	4588941	4586996	4673028	4616321	1.06	cps
Holmium	165-2	3688443	3542306	3523166	3584638	2.52	cps
Indium	115-1	3707918	3820551	3774875	3767781	1.50	cps
Indium	115-2	1418902	1417557	1422248	1419569	0.17	cps
Iron	56-2	131923768	133194101	132277528	132465132	0.49	cps
Iron	57-2	3266326	3266286	3203516	3245376	1.12	cps
Iron	54-2	7371535	7231849	7312767	7305384	0.96	cps
Krypton	83-1	367	333	293	331	11.09	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:48:04	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5287716	5272676	5208338	5256243	0.80	cps
Lead	207-1	4338283	4394572	4354989	4362615	0.66	cps
Lead	208-1	20463775	20220099	19943634	20209170	1.29	cps
Lithium	6-1	600307	612121	607498	606642	0.98	cps
Magnesium	24-2	6432079	6434551	6509545	6458725	0.68	cps
Manganese	55-2	2817309	2757970	2859577	2811619	1.82	cps
Molybdenum	94-1	773382	773039	784899	777107	0.87	cps
Molybdenum	95-1	790997	789310	798777	793028	0.64	cps
Molybdenum	96-1	894008	903777	915926	904570	1.21	cps
Molybdenum	97-1	493257	497316	494517	495030	0.42	cps
Molybdenum	98-1	1270607	1283577	1283815	1279333	0.59	cps
Neodymium	150-1	40261	39896	39498	39885	0.96	cps
Neodymium	150-2	24835	25804	25653	25431	2.05	cps
Nickel	60-2	240196	240384	238061	239547	0.54	cps
Phosphorus	31-2	26099	25084	25815	25666	2.04	cps
Potassium	39-2	2445103	2397405	2389360	2410623	1.25	cps
Rhodium	103-1	3731857	3634148	3792913	3719639	2.15	cps
Rhodium	103-2	2456791	2422561	2501794	2460382	1.62	cps
Scandium	45-1	2294078	2319163	2350736	2321326	1.22	cps
Scandium	45-2	243461	247295	247242	245999	0.89	cps
Selenium	82-1	11348	10972	11540	11287	2.56	cps
Selenium	77-2	1430	1470	1393	1431	2.68	cps
Selenium	78-2	4904	4777	4851	4844	1.31	cps
Silicon	28-1	1577842	1420688	1661094	1553208	7.86	cps
Silver	107-1	115761	116412	114907	115693	0.65	cps
Silver	109-1	109907	110985	109262	110051	0.79	cps
Sodium	23-2	10316388	10007670	10153714	10159257	1.52	cps
Strontium	86-1	349212	341505	350704	347140	1.42	cps
Strontium	88-1	3135029	3123891	3197365	3152095	1.26	cps
Sulfur	34-1	727731	725549	741525	731602	1.18	cps
Terbium	159-1	4561234	4581738	4651326	4598099	1.03	cps
Terbium	159-2	3534320	3396027	3447251	3459199	2.02	cps
Thallium	203-1	363807	372589	369217	368538	1.20	cps
Thallium	205-1	869055	884428	866580	873354	1.11	cps
Tin	118-1	532008	543768	542259	539345	1.19	cps
Titanium	47-1	289674	299375	297956	295668	1.77	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-03DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:48:04	DataFile Name :	137SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1046451	1070767	1073125	1063448	1.39	cps
Vanadium	51-2	412927	414453	416499	414626	0.43	cps
Yttrium	89-1	7114943	7035617	7070634	7073731	0.56	cps
Yttrium	89-2	2059061	2117320	2139458	2105280	1.97	cps
Zinc	66-2	1178575	1175853	1186744	1180391	0.48	cps
Zirconium	90-1	854648	854770	877137	862185	1.50	cps
Zirconium	91-1	190931	194288	194204	193141	0.99	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:51:11	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3325529	3201442	3251679	3259550	1.91	cps
Antimony	121-1	411704	414869	407644	411405	0.88	cps
Arsenic	75-2	66495	64894	65265	65551	1.28	cps
Barium	135-1	982811	1009135	983708	991885	1.51	cps
Barium	137-1	1788735	1836189	1815492	1813472	1.31	cps
Beryllium	9-1	75767	78802	78326	77632	2.10	cps
Bismuth	209-1	2871244	3033182	2975866	2960098	2.77	cps
Bismuth	209-2	2657026	2621271	2681376	2653225	1.14	cps
Bromine	81-1	124071	150482	163771	146108	13.83	cps
Bromine	81-2	35954	35563	36157	35891	0.84	cps
Cadmium	108-1	10444	10377	10014	10278	2.25	cps
Cadmium	106-1	16253	15598	15882	15911	2.06	cps
Cadmium	111-1	146398	146674	145814	146296	0.30	cps
Calcium	43-1	265339	275276	273544	271387	1.96	cps
Calcium	44-1	4169393	4407174	4451237	4342601	3.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1813585	1717664	1774944	1768731	2.73	cps
Cobalt	59-2	449655	441312	443759	444909	0.96	cps
Copper	63-2	4884783	4648462	4760028	4764424	2.48	cps
Dysprosium	156-1	24334	24952	24642	24643	1.25	cps
Dysprosium	156-2	24468	24248	23947	24221	1.08	cps
Erbium	164-1	24151	24665	24605	24474	1.15	cps
Erbium	164-2	19140	18636	18799	18858	1.36	cps
Gadolinium	160-1	25293	26625	26592	26170	2.90	cps
Gadolinium	160-2	21326	21223	21500	21350	0.66	cps
Holmium	165-1	4557105	4608156	4579390	4581551	0.56	cps
Holmium	165-2	3682914	3408140	3632702	3574586	4.09	cps
Indium	115-1	3664559	3572878	3681985	3639808	1.61	cps
Indium	115-2	1446691	1410689	1418910	1425430	1.32	cps
Iron	56-2	135665541	130086688	132540788	132764339	2.11	cps
Iron	57-2	3268728	3253479	3189964	3237390	1.29	cps
Iron	54-2	7535364	7187595	7315977	7346312	2.39	cps
Krypton	83-1	353	403	460	406	13.16	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:51:11	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5076424	5576298	5449543	5367422	4.84	cps
Lead	207-1	4409998	4548561	4390878	4449813	1.93	cps
Lead	208-1	20079861	20870077	20628086	20526008	1.97	cps
Lithium	6-1	597813	617415	610760	608663	1.64	cps
Magnesium	24-2	6508218	6385882	6567739	6487280	1.43	cps
Manganese	55-2	2889200	2795827	2876230	2853752	1.77	cps
Molybdenum	94-1	763130	760141	750530	757934	0.87	cps
Molybdenum	95-1	780036	770692	770138	773622	0.72	cps
Molybdenum	96-1	882014	876243	877447	878568	0.35	cps
Molybdenum	97-1	490481	487705	480164	486117	1.10	cps
Molybdenum	98-1	1263358	1256369	1245053	1254927	0.74	cps
Neodymium	150-1	39204	41013	39983	40067	2.26	cps
Neodymium	150-2	25820	25690	25326	25612	1.00	cps
Nickel	60-2	242353	237985	241504	240614	0.96	cps
Phosphorus	31-2	25348	25391	26136	25625	1.73	cps
Potassium	39-2	2471908	2429028	2413426	2438121	1.24	cps
Rhodium	103-1	3686538	3543792	3582478	3604269	2.05	cps
Rhodium	103-2	2534270	2474249	2414894	2474471	2.41	cps
Scandium	45-1	2282895	2292578	2341165	2305546	1.35	cps
Scandium	45-2	253980	243053	247234	248089	2.22	cps
Selenium	82-1	11207	11193	10823	11074	1.96	cps
Selenium	77-2	1457	1283	1333	1358	6.57	cps
Selenium	78-2	5024	4804	4938	4922	2.25	cps
Silicon	28-1	1475348	1412191	1405793	1431110	2.69	cps
Silver	107-1	135251	136441	133881	135191	0.95	cps
Silver	109-1	127738	128107	127926	127924	0.14	cps
Sodium	23-2	10453701	10329941	10390002	10391214	0.60	cps
Strontium	86-1	339759	341273	341178	340737	0.25	cps
Strontium	88-1	3112450	3088210	3119227	3106629	0.52	cps
Sulfur	34-1	712876	742751	744683	733436	2.43	cps
Terbium	159-1	4594469	4626991	4589906	4603789	0.44	cps
Terbium	159-2	3620525	3399238	3385812	3468525	3.80	cps
Thallium	203-1	360617	377697	374277	370864	2.44	cps
Thallium	205-1	849507	898720	901325	883184	3.31	cps
Tin	118-1	533693	533918	528660	532090	0.56	cps
Titanium	47-1	288854	304790	296046	296563	2.69	cps

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LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-04DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:51:11	DataFile Name :	138SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1050242	1108204	1096557	1085001	2.83	cps
Vanadium	51-2	417588	415191	417450	416743	0.32	cps
Yttrium	89-1	7027939	6883356	6756413	6889236	1.97	cps
Yttrium	89-2	2109544	2040081	2060524	2070050	1.72	cps
Zinc	66-2	1197686	1174019	1189584	1187096	1.01	cps
Zirconium	90-1	853677	850154	854048	852626	0.25	cps
Zirconium	91-1	191401	190681	187035	189706	1.23	cps

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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:54:13	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2912468	2972973	2951960	2945800	1.04	cps
Antimony	121-1	419719	421957	421338	421005	0.27	cps
Arsenic	75-2	58828	58693	59556	59026	0.79	cps
Barium	135-1	744954	754033	750717	749902	0.61	cps
Barium	137-1	1277358	1295887	1277097	1283447	0.84	cps
Beryllium	9-1	77167	77669	77495	77444	0.33	cps
Bismuth	209-1	2886208	2830640	2790015	2835621	1.70	cps
Bismuth	209-2	2609380	2507305	2598482	2571722	2.18	cps
Bromine	81-1	102826	126466	139985	123092	15.28	cps
Bromine	81-2	29416	30051	30495	29987	1.81	cps
Cadmium	108-1	9567	9650	10154	9790	3.24	cps
Cadmium	106-1	15238	15031	15302	15190	0.93	cps
Cadmium	111-1	139845	140065	140026	139979	0.08	cps
Calcium	43-1	216596	218232	215834	216887	0.56	cps
Calcium	44-1	3446917	3455846	3430059	3444274	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1413757	1413284	1399224	1408755	0.59	cps
Cobalt	59-2	430051	428642	425722	428138	0.52	cps
Copper	63-2	4281896	4253477	4206659	4247344	0.89	cps
Dysprosium	156-1	22114	22244	21914	22091	0.75	cps
Dysprosium	156-2	21730	20962	21303	21332	1.80	cps
Erbium	164-1	21493	21493	21513	21500	0.05	cps
Erbium	164-2	16603	16860	16673	16712	0.79	cps
Gadolinium	160-1	22842	23453	22869	23055	1.50	cps
Gadolinium	160-2	18686	19404	19547	19212	2.40	cps
Holmium	165-1	4569897	4594335	4483770	4549334	1.28	cps
Holmium	165-2	3564991	3523624	3566382	3551666	0.68	cps
Indium	115-1	3719770	3578379	3678485	3658878	1.99	cps
Indium	115-2	1412222	1413011	1431785	1419006	0.78	cps
Iron	56-2	121659362	120545705	120028922	120744663	0.69	cps
Iron	57-2	3017792	3009405	2913571	2980256	1.94	cps
Iron	54-2	6752472	6770256	6714075	6745601	0.43	cps
Krypton	83-1	413	397	473	428	9.43	cps

Reviewed By:jaswal
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:54:13	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3803010	3937639	3733052	3824567	2.72	cps
Lead	207-1	3117494	3259122	3144695	3173770	2.37	cps
Lead	208-1	14825173	15110683	14521659	14819172	1.99	cps
Lithium	6-1	598304	599495	589612	595804	0.91	cps
Magnesium	24-2	5282979	5270642	5214127	5255916	0.70	cps
Manganese	55-2	2894060	2886600	2924348	2901669	0.69	cps
Molybdenum	94-1	763727	770370	780757	771618	1.11	cps
Molybdenum	95-1	798162	794977	798727	797289	0.25	cps
Molybdenum	96-1	900283	894601	914516	903133	1.14	cps
Molybdenum	97-1	501881	492332	498802	497672	0.98	cps
Molybdenum	98-1	1295778	1286675	1305449	1295967	0.72	cps
Neodymium	150-1	33824	33924	34065	33937	0.36	cps
Neodymium	150-2	22695	22618	22708	22674	0.21	cps
Nickel	60-2	167810	169687	167286	168261	0.75	cps
Phosphorus	31-2	22887	22423	22199	22503	1.56	cps
Potassium	39-2	2353728	2334279	2322847	2336952	0.67	cps
Rhodium	103-1	3645710	3602199	3595742	3614551	0.75	cps
Rhodium	103-2	2408279	2436404	2529024	2457902	2.57	cps
Scandium	45-1	2306004	2347779	2242086	2298623	2.32	cps
Scandium	45-2	243838	248719	247125	246560	1.01	cps
Selenium	82-1	11036	11319	11088	11148	1.35	cps
Selenium	77-2	1507	1453	1497	1486	1.91	cps
Selenium	78-2	4901	4931	4918	4916	0.31	cps
Silicon	28-1	2561264	2080619	2050702	2230861	12.84	cps
Silver	107-1	147704	146808	148093	147535	0.45	cps
Silver	109-1	139494	137971	138179	138548	0.60	cps
Sodium	23-2	8826389	8743972	8793239	8787867	0.47	cps
Strontium	86-1	296122	298064	298070	297419	0.38	cps
Strontium	88-1	2760511	2713323	2798456	2757430	1.55	cps
Sulfur	34-1	613972	621073	613829	616291	0.67	cps
Terbium	159-1	4557797	4505428	4514291	4525839	0.62	cps
Terbium	159-2	3377175	3441186	3377719	3398693	1.08	cps
Thallium	203-1	374696	378614	369599	374303	1.21	cps
Thallium	205-1	884142	911051	883989	893061	1.74	cps
Tin	118-1	468818	468152	469072	468681	0.10	cps
Titanium	47-1	247546	252270	251788	250535	1.04	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-000102-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:54:13	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1067225	1079029	1060971	1069075	0.86	cps
Vanadium	51-2	363818	366153	362089	364020	0.56	cps
Yttrium	89-1	6761564	6693927	6678946	6711479	0.66	cps
Yttrium	89-2	2062056	2050531	2066643	2059743	0.40	cps
Zinc	66-2	929770	930724	928343	929612	0.13	cps
Zirconium	90-1	845455	849727	853627	849603	0.48	cps
Zirconium	91-1	188790	188855	189925	189190	0.34	cps

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Inst Id :P7
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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:57:18	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3565056	3635788	3574902	3591915	1.07	cps
Antimony	121-1	1453	1577	1440	1490	5.06	cps
Arsenic	75-2	34077	33424	33800	33767	0.97	cps
Barium	135-1	651618	661733	663099	658817	0.95	cps
Barium	137-1	1143981	1143140	1134748	1140623	0.45	cps
Beryllium	9-1	1347	1353	1543	1415	7.90	cps
Bismuth	209-1	2906812	2904439	2931141	2914131	0.51	cps
Bismuth	209-2	2644578	2688661	2619539	2650926	1.32	cps
Bromine	81-1	151523	192537	210957	185005	16.45	cps
Bromine	81-2	45587	46439	45142	45723	1.44	cps
Cadmium	108-1	820	930	1040	930	11.83	cps
Cadmium	106-1	2977	2917	2890	2928	1.52	cps
Cadmium	111-1	14189	14117	13827	14044	1.36	cps
Calcium	43-1	138450	140356	140736	139847	0.88	cps
Calcium	44-1	2152297	2250757	2258524	2220526	2.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	846433	853698	841579	847237	0.72	cps
Cobalt	59-2	82539	83406	82653	82866	0.57	cps
Copper	63-2	1806858	1898828	1863141	1856276	2.50	cps
Dysprosium	156-1	28636	30253	29391	29426	2.75	cps
Dysprosium	156-2	28385	29418	28586	28796	1.90	cps
Erbium	164-1	29104	29181	29311	29198	0.36	cps
Erbium	164-2	23006	22835	22729	22857	0.61	cps
Gadolinium	160-1	31215	32030	30897	31381	1.86	cps
Gadolinium	160-2	26248	26034	25754	26012	0.95	cps
Holmium	165-1	4480872	4562157	4498792	4513940	0.95	cps
Holmium	165-2	3568918	3559882	3595015	3574605	0.51	cps
Indium	115-1	3496291	3576225	3692760	3588425	2.75	cps
Indium	115-2	1430660	1443209	1429236	1434368	0.54	cps
Iron	56-2	149519991	149382998	150588768	149830586	0.44	cps
Iron	57-2	3659806	3717737	3707111	3694885	0.83	cps
Iron	54-2	8456435	8336146	8531968	8441516	1.17	cps
Krypton	83-1	333	407	383	374	10.01	cps

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LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:57:18	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3418547	3461662	3589064	3489758	2.54	cps
Lead	207-1	2886794	2877182	2858041	2874006	0.51	cps
Lead	208-1	13256992	13457189	13545125	13419769	1.10	cps
Lithium	6-1	591500	600230	607113	599615	1.30	cps
Magnesium	24-2	3687233	3740457	3654154	3693948	1.18	cps
Manganese	55-2	1371203	1368612	1391933	1377249	0.93	cps
Molybdenum	94-1	59765	59347	59962	59691	0.53	cps
Molybdenum	95-1	7655	7856	7725	7745	1.31	cps
Molybdenum	96-1	17951	18388	17975	18105	1.36	cps
Molybdenum	97-1	4677	4858	4687	4741	2.13	cps
Molybdenum	98-1	12128	12562	12419	12370	1.79	cps
Neodymium	150-1	44821	45533	45604	45319	0.96	cps
Neodymium	150-2	29741	30269	30416	30142	1.18	cps
Nickel	60-2	103230	102447	102045	102574	0.59	cps
Phosphorus	31-2	23959	23799	23081	23613	1.98	cps
Potassium	39-2	1501886	1497609	1409251	1469582	3.56	cps
Rhodium	103-1	3600462	3644272	3600795	3615176	0.70	cps
Rhodium	103-2	2473038	2491197	2470511	2478249	0.46	cps
Scandium	45-1	2213862	2353623	2311231	2292905	3.13	cps
Scandium	45-2	247944	252107	245151	248401	1.41	cps
Selenium	82-1	948	904	933	928	2.39	cps
Selenium	77-2	193	190	160	181	10.14	cps
Selenium	78-2	757	673	683	704	6.46	cps
Silicon	28-1	1490874	1463800	2977202	1977292	43.80	cps
Silver	107-1	57433	58845	59073	58450	1.52	cps
Silver	109-1	54449	55707	56021	55392	1.50	cps
Sodium	23-2	4353598	4333695	4218067	4301786	1.70	cps
Strontium	86-1	165717	164868	165130	165238	0.26	cps
Strontium	88-1	1504164	1548308	1548644	1533705	1.67	cps
Sulfur	34-1	759345	759343	759902	759530	0.04	cps
Terbium	159-1	4568219	4540448	4516150	4541605	0.57	cps
Terbium	159-2	3454799	3513740	3520875	3496471	1.04	cps
Thallium	203-1	3961	3971	4051	3994	1.24	cps
Thallium	205-1	9503	9644	9557	9568	0.74	cps
Tin	118-1	319802	327654	321192	322883	1.30	cps
Titanium	47-1	265389	269658	269088	268045	0.86	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-05DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S07-102116-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 20:57:18	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	35378	35362	35365	35368	0.02	cps
Vanadium	51-2	169559	171220	169825	170202	0.52	cps
Yttrium	89-1	6767009	6972887	6952298	6897398	1.64	cps
Yttrium	89-2	2111728	2129384	2138187	2126433	0.63	cps
Zinc	66-2	623277	624305	618457	622013	0.50	cps
Zirconium	90-1	149162	151399	150726	150429	0.76	cps
Zirconium	91-1	33709	33081	33495	33428	0.96	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 21:00:24	DataFile Name :	141SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2167155	2176388	2213102	2185548	1.11	cps
Antimony	121-1	1693	1697	1667	1686	0.98	cps
Arsenic	75-2	31600	31673	32044	31773	0.75	cps
Barium	135-1	351746	357825	359838	356470	1.18	cps
Barium	137-1	619354	621711	633473	624846	1.21	cps
Beryllium	9-1	797	767	863	809	6.12	cps
Bismuth	209-1	2908852	2863273	2883378	2885168	0.79	cps
Bismuth	209-2	2559918	2560251	2605612	2575260	1.02	cps
Bromine	81-1	54086	59312	63449	58949	7.96	cps
Bromine	81-2	12642	12539	12802	12661	1.05	cps
Cadmium	108-1	283	300	327	303	7.21	cps
Cadmium	106-1	2137	2067	1867	2023	6.93	cps
Cadmium	111-1	4875	4491	4612	4659	4.21	cps
Calcium	43-1	64276	64128	64614	64339	0.39	cps
Calcium	44-1	1063236	1056437	1061850	1060508	0.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	350699	344760	346347	347269	0.89	cps
Cobalt	59-2	57168	57781	58266	57738	0.95	cps
Copper	63-2	982219	990199	981972	984796	0.48	cps
Dysprosium	156-1	18466	18452	19010	18642	1.71	cps
Dysprosium	156-2	17885	17995	17985	17955	0.34	cps
Erbium	164-1	18002	18062	18175	18080	0.49	cps
Erbium	164-2	13800	13764	13910	13825	0.55	cps
Gadolinium	160-1	19701	19657	20238	19865	1.63	cps
Gadolinium	160-2	15752	15769	16179	15900	1.52	cps
Holmium	165-1	4497762	4554970	4458111	4503615	1.08	cps
Holmium	165-2	3539484	3531745	3527513	3532914	0.17	cps
Indium	115-1	3565966	3609036	3654603	3609869	1.23	cps
Indium	115-2	1418846	1412868	1414173	1415296	0.22	cps
Iron	56-2	123110842	120377508	119780332	121089560	1.47	cps
Iron	57-2	2961291	2990180	2999701	2983724	0.67	cps
Iron	54-2	6681778	6628273	6760109	6690054	0.99	cps
Krypton	83-1	397	363	367	376	4.89	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 21:00:24	DataFile Name :	141SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3083384	3085723	3158897	3109335	1.38	cps
Lead	207-1	2518539	2550231	2461745	2510172	1.79	cps
Lead	208-1	11909210	11879780	11708199	11832396	0.92	cps
Lithium	6-1	604480	596644	603052	601392	0.69	cps
Magnesium	24-2	2068091	1995491	2037081	2033555	1.79	cps
Manganese	55-2	1178237	1195354	1185249	1186280	0.73	cps
Molybdenum	94-1	37535	38394	37698	37876	1.20	cps
Molybdenum	95-1	8216	7872	7929	8006	2.30	cps
Molybdenum	96-1	14597	14808	14047	14484	2.71	cps
Molybdenum	97-1	5151	4968	5078	5065	1.82	cps
Molybdenum	98-1	13046	12612	13139	12932	2.18	cps
Neodymium	150-1	29524	29244	29291	29353	0.51	cps
Neodymium	150-2	18980	18823	18786	18863	0.55	cps
Nickel	60-2	65864	66815	66018	66232	0.77	cps
Phosphorus	31-2	7312	7128	6952	7131	2.53	cps
Potassium	39-2	797299	794819	791763	794627	0.35	cps
Rhodium	103-1	3696819	3605164	3684888	3662291	1.36	cps
Rhodium	103-2	2463212	2448817	2427328	2446453	0.74	cps
Scandium	45-1	2292046	2240797	2282264	2271702	1.20	cps
Scandium	45-2	240321	242651	242820	241931	0.58	cps
Selenium	82-1	765	745	682	731	5.98	cps
Selenium	77-2	177	177	183	179	2.15	cps
Selenium	78-2	560	583	537	560	4.17	cps
Silicon	28-1	3322694	3071639	3378542	3257625	5.02	cps
Silver	107-1	23910	24377	24477	24255	1.25	cps
Silver	109-1	22965	23058	22584	22869	1.10	cps
Sodium	23-2	403153	400569	402033	401918	0.32	cps
Strontium	86-1	65840	64799	64310	64983	1.20	cps
Strontium	88-1	573410	567670	578274	573118	0.93	cps
Sulfur	34-1	519818	522571	524048	522146	0.41	cps
Terbium	159-1	4500640	4513221	4448666	4487509	0.76	cps
Terbium	159-2	3393192	3409302	3344165	3382220	1.00	cps
Thallium	203-1	2464	2434	2234	2377	5.26	cps
Thallium	205-1	5451	5778	5948	5726	4.41	cps
Tin	118-1	107924	108304	110335	108854	1.19	cps
Titanium	47-1	196579	193910	192671	194387	1.03	cps

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On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	Q3395-07DLX5	Instrumnet Name :	P7
Client Sample ID :	PR132-S08-038048-2025	Dilution Factor :	5
Date & Time Acquired :	2025-10-22 21:00:24	DataFile Name :	141SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25011	24941	25288	25080	0.73	cps
Vanadium	51-2	105113	102261	103412	103595	1.39	cps
Yttrium	89-1	6871277	6638011	6831549	6780279	1.84	cps
Yttrium	89-2	2019108	2088514	2065349	2057657	1.72	cps
Zinc	66-2	379336	378410	380278	379341	0.25	cps
Zirconium	90-1	90991	88807	89695	89831	1.22	cps
Zirconium	91-1	20381	20194	19970	20182	1.02	cps

Reviewed By:jaswal
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Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:03:39	DataFile Name :	142CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7420285	7203105	7169931	7264440	1.87	cps
Antimony	121-1	2329717	2345838	2381940	2352498	1.14	cps
Arsenic	75-2	186302	186732	184550	185861	0.62	cps
Barium	135-1	2679861	2777587	2745675	2734374	1.82	cps
Barium	137-1	4687209	4802918	4781545	4757224	1.29	cps
Beryllium	9-1	413409	415302	412904	413871	0.31	cps
Bismuth	209-1	2713448	2785395	2773207	2757350	1.40	cps
Bismuth	209-2	2524953	2437918	2445460	2469444	1.95	cps
Bromine	81-1	17894	17300	16336	17177	4.58	cps
Bromine	81-2	1717	1683	1787	1729	3.05	cps
Cadmium	108-1	46290	45698	45993	45994	0.64	cps
Cadmium	106-1	65678	66914	65480	66024	1.18	cps
Cadmium	111-1	638841	648068	648108	645006	0.83	cps
Calcium	43-1	3125319	3185402	3202409	3171043	1.28	cps
Calcium	44-1	51485998	50779953	51064021	51109990	0.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1272764	1300033	1257924	1276907	1.67	cps
Cobalt	59-2	1985202	1956783	2006248	1982745	1.25	cps
Copper	63-2	14992620	15279541	15102757	15124973	0.96	cps
Dysprosium	156-1	180	150	137	156	14.27	cps
Dysprosium	156-2	320	310	293	308	4.38	cps
Erbium	164-1	313	283	323	307	6.79	cps
Erbium	164-2	257	270	197	241	16.20	cps
Gadolinium	160-1	140	197	207	181	19.85	cps
Gadolinium	160-2	310	410	370	363	13.85	cps
Holmium	165-1	4558211	4652935	4554646	4588597	1.21	cps
Holmium	165-2	3658152	3623152	3554678	3611994	1.46	cps
Indium	115-1	3495328	3592099	3515677	3534368	1.44	cps
Indium	115-2	1385620	1375371	1351133	1370708	1.29	cps
Iron	56-2	288510669	291907509	284481742	288299973	1.29	cps
Iron	57-2	7262543	7433224	7302314	7332694	1.22	cps
Iron	54-2	15974776	15831576	15836915	15881089	0.51	cps
Krypton	83-1	367	287	363	339	13.35	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:03:39	DataFile Name :	142CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9138708	9325831	9221365	9228635	1.02	cps
Lead	207-1	7714370	7792404	7759641	7755472	0.51	cps
Lead	208-1	35606783	36157096	36003887	35922589	0.79	cps
Lithium	6-1	596070	603620	602098	600596	0.66	cps
Magnesium	24-2	66482182	64553067	65068589	65367946	1.53	cps
Manganese	55-2	10684129	10752073	10617098	10684433	0.63	cps
Molybdenum	94-1	8621031	8735217	8813883	8723377	1.11	cps
Molybdenum	95-1	12096852	12462579	12271127	12276853	1.49	cps
Molybdenum	96-1	13293031	13528362	13617611	13479668	1.24	cps
Molybdenum	97-1	7519469	7659612	7571807	7583630	0.93	cps
Molybdenum	98-1	20045141	20239178	20318981	20201100	0.70	cps
Neodymium	150-1	160	180	157	166	7.62	cps
Neodymium	150-2	70	80	90	80	12.50	cps
Nickel	60-2	491121	496307	486281	491237	1.02	cps
Phosphorus	31-2	87036	86610	85799	86482	0.73	cps
Potassium	39-2	34181018	33921014	33499511	33867181	1.02	cps
Rhodium	103-1	3503982	3456190	3472436	3477536	0.70	cps
Rhodium	103-2	2351732	2341657	2329783	2341057	0.47	cps
Scandium	45-1	2201221	2208578	2249037	2219612	1.16	cps
Scandium	45-2	239973	237837	235075	237628	1.03	cps
Selenium	82-1	52754	53529	52890	53058	0.78	cps
Selenium	77-2	6602	6235	6205	6347	3.48	cps
Selenium	78-2	21512	21065	20945	21174	1.41	cps
Silicon	28-1	24625882	25030699	24045180	24567254	2.02	cps
Silver	107-1	3147340	3240276	3273625	3220414	2.03	cps
Silver	109-1	3045393	3032845	3058459	3045566	0.42	cps
Sodium	23-2	103025058	102271788	99819762	101705536	1.65	cps
Strontium	86-1	750376	759446	761626	757149	0.79	cps
Strontium	88-1	6947131	6964997	6881256	6931128	0.64	cps
Sulfur	34-1	373126	371417	369603	371382	0.47	cps
Terbium	159-1	4586095	4666066	4603782	4618648	0.91	cps
Terbium	159-2	3517908	3507431	3425244	3483528	1.46	cps
Thallium	203-1	2242862	2263175	2256484	2254174	0.46	cps
Thallium	205-1	5341220	5406683	5358696	5368867	0.63	cps
Tin	118-1	1943030	2015231	1984011	1980757	1.83	cps
Titanium	47-1	3211942	3195182	3194558	3200561	0.31	cps

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:03:39	DataFile Name :	142CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6655832	6814445	6830461	6766912	1.43	cps
Vanadium	51-2	1077267	1079121	1064835	1073741	0.72	cps
Yttrium	89-1	6372663	6345912	6251849	6323475	1.00	cps
Yttrium	89-2	1959796	1959238	1922576	1947203	1.10	cps
Zinc	66-2	2870264	2845490	2827288	2847681	0.76	cps
Zirconium	90-1	4249204	4285798	4214363	4249788	0.84	cps
Zirconium	91-1	909478	929692	928600	922590	1.23	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:06:31	DataFile Name :	143CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	480	417	430	442	7.55	cps
Antimony	121-1	873	883	993	917	7.26	cps
Arsenic	75-2	4	1	8	5	75.83	cps
Barium	135-1	53	37	33	41	26.06	cps
Barium	137-1	87	97	107	97	10.34	cps
Beryllium	9-1	20	23	30	24	20.83	cps
Bismuth	209-1	2937697	2886104	2911967	2911923	0.89	cps
Bismuth	209-2	2643415	2626849	2578357	2616207	1.29	cps
Bromine	81-1	12088	11685	11665	11813	2.02	cps
Bromine	81-2	957	910	870	912	4.76	cps
Cadmium	108-1	7	7	3	6	34.70	cps
Cadmium	106-1	1600	1520	1610	1577	3.13	cps
Cadmium	111-1	1159	1106	1158	1141	2.65	cps
Calcium	43-1	180	150	123	151	18.76	cps
Calcium	44-1	15425	15805	15575	15602	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1437	1490	1483	1470	1.98	cps
Cobalt	59-2	47	67	47	53	21.65	cps
Copper	63-2	1213	1233	1163	1203	3.00	cps
Dysprosium	156-1	0	0	7	2	173.21	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	23	23	40	29	33.32	cps
Erbium	164-2	13	13	27	18	43.33	cps
Gadolinium	160-1	13	10	7	10	33.30	cps
Gadolinium	160-2	250	197	270	239	15.87	cps
Holmium	165-1	4582840	4673618	4539930	4598796	1.48	cps
Holmium	165-2	3547739	3574827	3431721	3518096	2.16	cps
Indium	115-1	3619478	3559639	3579789	3586302	0.85	cps
Indium	115-2	1395257	1407630	1396665	1399851	0.48	cps
Iron	56-2	25715	26223	25518	25819	1.41	cps
Iron	57-2	1413	1500	1483	1466	3.14	cps
Iron	54-2	2350	2387	2234	2324	3.45	cps
Krypton	83-1	327	307	387	340	12.25	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:06:31	DataFile Name :	143CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	707	730	680	706	3.55	cps
Lead	207-1	543	557	550	550	1.21	cps
Lead	208-1	2580	2687	2500	2589	3.62	cps
Lithium	6-1	601768	591347	594519	595878	0.90	cps
Magnesium	24-2	630	657	583	623	5.96	cps
Manganese	55-2	590	570	660	607	7.79	cps
Molybdenum	94-1	583	577	553	571	2.76	cps
Molybdenum	95-1	640	447	473	520	20.15	cps
Molybdenum	96-1	723	697	623	681	7.60	cps
Molybdenum	97-1	383	347	377	369	5.29	cps
Molybdenum	98-1	1000	907	760	889	13.61	cps
Neodymium	150-1	7	3	3	4	43.40	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	357	350	313	340	6.86	cps
Phosphorus	31-2	297	313	337	316	6.37	cps
Potassium	39-2	59553	58713	58817	59027	0.78	cps
Rhodium	103-1	3659290	3641447	3544230	3614989	1.71	cps
Rhodium	103-2	2476371	2491285	2468002	2478553	0.48	cps
Scandium	45-1	2186226	2184600	2128909	2166578	1.51	cps
Scandium	45-2	229421	231124	229879	230142	0.38	cps
Selenium	82-1	263	316	260	280	11.10	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	313	323	317	318	1.60	cps
Silicon	28-1	564075	565416	561565	563685	0.35	cps
Silver	107-1	333	307	223	288	19.94	cps
Silver	109-1	290	270	257	272	6.16	cps
Sodium	23-2	37953	37572	36831	37452	1.52	cps
Strontium	86-1	547	557	627	577	7.56	cps
Strontium	88-1	187	150	160	166	11.45	cps
Sulfur	34-1	150002	149512	150516	150010	0.33	cps
Terbium	159-1	4583090	4714830	4609115	4635678	1.51	cps
Terbium	159-2	3433450	3446913	3405021	3428461	0.62	cps
Thallium	203-1	463	327	323	371	21.53	cps
Thallium	205-1	1010	927	850	929	8.62	cps
Tin	118-1	1290	1123	1263	1226	7.31	cps
Titanium	47-1	100	63	63	76	28.02	cps

Reviewed By:jaswal
On:10/24/2025 6:19:47 PM
Inst Id :P7
LB :LB137619

LB Number :	LB137619	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired :	2025-10-22 21:06:31	DataFile Name :	143CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	127	107	73	102	26.36	cps
Vanadium	51-2	17	27	17	20	28.86	cps
Yttrium	89-1	6273824	6268233	6413467	6318508	1.30	cps
Yttrium	89-2	1941813	1930595	1923636	1932015	0.47	cps
Zinc	66-2	1460	1523	1340	1441	6.46	cps
Zirconium	90-1	653	617	577	616	6.23	cps
Zirconium	91-1	160	147	97	134	24.83	cps

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170170

SOP ID : M7471B-Mercury-19

SDG No : NA

Start Digest Date: 10/20/2025 **Time :** 09:30 **Temp :** 94 °C

Matrix : SOIL

End Digest Date: 10/20/2025 **Time :** 10:05 **Temp :** 94 °C

Pippete ID: HG A

Digestion tube ID: M5595

Balance ID : M SC-3

Block thermometer ID: HG-DIG#3

Filter paper ID : N/A

Dig Technician Signature: MB

pH Strip ID : NA

Supervisor Signature: MB

Hood ID : #1

Temp : 1. 94°C 2. N/A

Block ID: 1. HG HOT BLOCK#3 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87659
CCV	30mL	MP87661
CRA	30mL	MP87663
Blank Spike	0.48mL	MP87652
Matrix Spike	0.48mL	MP87652

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5Ml	MP87665
KMnO4 (5%)	4.5mL	MP87072
Hydroxylamine HCL (12%)	2.0Ml	MP87149
PTFE Boiling Stones	--------	M5582
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	MP87653
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30Ml	MP87654
2.5 ppb	S2.5	30Ml	MP87655
5.0 ppb	S5.0	30Ml	MP87656
7.5 ppb	S7.5	30mL	MP87657
10.0 ppb	S10.0	30mL	MP87658
ICV	ICV	30Ml	MP87659
ICB	ICB	30Ml	MP87660
CCV	CCV	30Ml	MP87661
CCB	CCB	30Ml	MP87662
CRI	CRI	30Ml	MP87663
CHK STD	CHK STD	30Ml	MP87664

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/20/25 11:05	MB met dig	MB met lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB170170

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB170170BL	PBS170	0.50	35	N/A	N/A	3-1
PB170170BS	LCS170	0.50	35	N/A	MP87652	2
Q3374-01	TP-4-WC	0.54	35	N/A	N/A	3
Q3374-05	TP-5-WC	0.58	35	N/A	N/A	4
Q3374-05MS	TP-5-WCMS	0.53	35	N/A	MP87652	6
Q3374-05MSD	TP-5-WCMSD	0.53	35	N/A	MP87652	7
Q3374-05DUP	TP-5-WCDUP	0.58	35	N/A	N/A	5
Q3375-01	PR132-S02-074099-20251016	0.60	35	N/A	N/A	8
Q3375-02	PR132-S04-000013-20251016	0.60	35	N/A	N/A	9
Q3375-03	PR132-S05-000057-20251016	0.60	35	N/A	N/A	10
Q3375-04	PR132-S02-010074-20251016	0.55	35	N/A	N/A	11
Q3375-05	PR132-DP02-074099-20251016	0.60	35	N/A	N/A	12
Q3376-01	PR132-S05-057082-20251016	0.56	35	N/A	N/A	13
Q3376-02	PR132-DP01-20251016	0.13	35	N/A	N/A	14
Q3376-03	PR132-COMP2-20251016	0.57	35	N/A	N/A	15
Q3376-04	PR132-S12-047072-20251016	0.60	35	N/A	N/A	16
Q3376-05	PR132-S12-020047-20251016	0.60	35	N/A	N/A	17

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB170170 **WorkList ID :** 192614 **Department :** Digestion **Date :** 10-20-2025 08:20:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3374-01	TP-4-WC	Solid	Mercury	Cool 4 deg C	PSEG03	D41	10/16/2025	7471B
Q3374-05	TP-5-WC	Solid	Mercury	Cool 4 deg C	PSEG03	D41	10/17/2025	7471B
Q3375-01	PR132-S02-074099-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3375-02	PR132-S04-000013-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3375-03	PR132-S05-000057-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3375-04	PR132-S02-010074-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3375-05	PR132-DP02-074099-2025101(	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3376-01	PR132-S05-057082-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3376-02	PR132-DP01-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3376-03	PR132-COMP2-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3376-04	PR132-S12-047072-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B
Q3376-05	PR132-S12-020047-20251016	Solid	Mercury	Cool 4 deg C	AECO02	D31	10/16/2025	7471B

Date/Time 10/20/25 09:10
Raw Sample Received by: SLS met div
Raw Sample Relinquished by: CR CSM

Date/Time 10/20/25 10:10
Raw Sample Received by: CR CSM
Raw Sample Relinquished by: SLS met div

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170158

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 10/20/2025 **Time :** 11:50 **Temp :** 95 °C

End Digest Date: 10/20/2025 **Time :** 13:50 **Temp :** 95 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SJB

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	1.00	MP87570
Spike Sol 2	2.00	MP87575
Spike Sol 3	2.00	MP87578
Spike Sol 4	2.00	MP87581
Spike Sol 5	2.00	MP87582

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HNO3	10.00	MP86978
30% H2O2	3.00	M6170
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL#35 96 C
X*MP87578,MP87581,MP87582

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/20/25 14:50	SJB met dig	SJ Metals Cook
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB170158

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB170158BL	PBS158	N/A	1.00	100	Colorless	Colorless	Fine	No	N/A	1
PB170158BS	LCS158	N/A	1.00	100	Colorless	Colorless	Fine	No	MP87570,MP87575,X*	2
Q3375-01	PR132-S02-074099-202510~~16~~	N/A	1.22	100	Brown	Yellow	Medium	No	N/A	3
Q3375-02	PR132-S04-000013-202510~~16~~	N/A	1.22	100	Brown	Yellow	Medium	No	N/A	4
Q3375-03	PR132-S05-000057-202510~~16~~	N/A	1.26	100	Brown	Yellow	Medium	No	N/A	5
Q3375-04	PR132-S02-010074-202510~~16~~	N/A	1.26	100	Brown	Yellow	Medium	No	N/A	6
Q3375-05	PR132-DP02-074099-20251~~016~~	N/A	1.15	100	Brown	Yellow	Medium	No	N/A	7
Q3376-01	PR132-S05-057082-202510~~16~~	N/A	1.20	100	Brown	Yellow	Medium	No	N/A	8
Q3376-02	PR132-DP01-20251016	N/A	1.12	100	Brown	Yellow	Medium	No	N/A	9
Q3376-03	PR132-COMP2-20251016	N/A	1.16	100	Brown	Yellow	Medium	No	N/A	10
Q3376-04	PR132-S12-047072-202510~~16~~	N/A	1.18	100	Brown	Yellow	Medium	No	N/A	11
Q3376-05	PR132-S12-020047-202510~~16~~	N/A	1.20	100	Brown	Yellow	Medium	No	N/A	12
Q3376-05MS	PR132-S12-020047-202510~~16MS~~	N/A	1.18	100	Brown	Yellow	Medium	No	MP87570,MP87575,X*	14
Q3376-05MSD	PR132-S12-020047-202510~~16MSD~~	N/A	1.16	100	Brown	Yellow	Medium	No	MP87570,MP87575,X*	15
Q3376-05DUP	PR132-S12-020047-202510~~16DUP~~	N/A	1.14	100	Brown	Yellow	Medium	No	N/A	13

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB170158 **WorkList ID :** 192558 **Department :** Digestion **Date :** 10-20-2025 11:07:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3375-01	PR132-S02-074099-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3375-02	PR132-S04-000013-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3375-03	PR132-S05-000057-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3375-04	PR132-S02-010074-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3375-05	PR132-DP02-074099-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3376-01	PR132-S05-057082-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3376-02	PR132-DP01-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3376-03	PR132-COMP2-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3376-04	PR132-S12-047072-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B
Q3376-05	PR132-S12-020047-20251016	Solid	Metals ICP-TAL	Cool 4 deg C	AECO02	D31	10/16/2025	6020B

Date/Time 10/20/25 11:20
Raw Sample Received by: SLS metals
Raw Sample Relinquished by: CLP CSM

Date/Time 10/20/25 12:20
Raw Sample Received by: CLP CSM
Raw Sample Relinquished by: SLS metals

Q3376-METALS

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB137576

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3373-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3373-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3373-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3373-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3373-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3373-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3374-01	TP-4-WC	7	1.15	10.69	11.84	10.25	85.1	
Q3374-02	TP-4-WC-EPH	8	1.11	10.86	11.97	11.38	94.6	
Q3374-03	TP-4-WC-VOC	9	1.15	10.45	11.6	10.31	87.7	
Q3374-05	TP-5-WC	10	1.13	10.30	11.43	10.72	93.1	
Q3374-06	TP-5-WC-EPH	11	1.17	10.34	11.51	9.95	84.9	
Q3374-07	TP-5-WC-VOC	12	1.18	10.94	12.12	11.19	91.5	
Q3375-01	PR132-S02-074099-20251016	13	1.12	10.21	11.33	8.19	69.2	
Q3375-02	PR132-S04-000013-20251016	14	1.15	10.84	11.99	9.25	74.7	
Q3375-03	PR132-S05-000057-20251016	15	1.16	10.58	11.74	8.22	66.7	
Q3375-04	PR132-S02-010074-20251016	16	1.14	10.34	11.48	6.86	55.3	
Q3375-05	PR132-DP02-074099-20251016	17	1.15	10.84	11.99	8.38	66.7	
Q3376-01	PR132-S05-057082-20251016	18	1.13	10.84	11.97	6.93	53.5	
Q3376-02	PR132-DP01-20251016	19	1.16	10.07	11.23	6.56	53.6	
Q3376-03	PR132-COMP2-20251016	20	1.11	10.13	11.24	6.45	52.7	
Q3376-04	PR132-S12-047072-20251016	21	1.15	10.70	11.85	6.64	51.3	
Q3376-05	PR132-S12-020047-20251016	22	1.13	10.49	11.62	8.14	66.8	
Q3381-01	VNJ-222	23	1.18	10.38	11.56	10.46	89.4	
Q3381-03	VNJ-245	24	1.18	10.64	11.82	9.86	81.6	
Q3381-05	RBR200059	25	1.11	10.71	11.82	10.6	88.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB137576

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3381-07	VNJ-255	26	1.16	10.11	11.27	10.51	92.5	
Q3382-01	CENTRAL-AVE-TP	27	1.14	10.73	11.87	10.25	84.9	
Q3382-02	CENTRAL-AVE-TP-EPH-2	28	1.16	10.81	11.97	9.78	79.7	
Q3383-01	OR-03-101725	29	1.13	10.60	11.73	10.88	92.0	
Q3383-02	OR-03-101725-E2	30	1.14	10.91	12.05	11.07	91.0	
Q3386-01	237	38	1.15	10.68	11.83	11.2	94.1	
Q3386-02	237-E2	39	1.15	10.85	12.00	11.2	92.6	
Q3387-01	BC289050-1-1	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-02	BC289050-1-2	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-03	BC289050-2-1	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-04	BC289050-2-2	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3388-01	461	44	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3389-01	KMH472J-1-1	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3389-02	KMH472J-1-2	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3390-01	4175	47	1.00	1.00	2.00	2.00	100.0	debris
Q3390-03	340	48	1.18	10.76	11.94	10.34	85.1	
Q3390-04	340-E2	49	1.16	10.88	12.04	9.11	73.1	
Q3391-01	RCA	31	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3392-01	MH-20	32	1.18	10.77	11.95	10.9	90.3	
Q3392-02	MH-20-EPH	33	1.16	11.00	12.16	11.07	90.1	
Q3392-03	MH-20-VOC	34	1.18	10.89	12.07	10.69	87.3	
Q3392-05	MH-19	35	1.16	10.50	11.66	10.34	87.4	
Q3392-06	MH-19-EPH	36	1.12	10.87	11.99	10.41	85.5	
Q3392-07	MH-19-VOC	37	1.16	10.50	11.66	10.37	87.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Q3376-METALS

WORKLIST(Hardcopy Internal Chain)

VR 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3373-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3374-01	TP-4-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-02	TP-4-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-03	TP-4-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-05	TP-5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-06	TP-5-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-07	TP-5-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3375-01	PR132-S02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-02	PR132-S04-000013-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-03	PR132-S05-000057-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-04	PR132-S02-010074-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-05	PR132-DP02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-01	PR132-S05-057082-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-02	PR132-DP01-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-03	PR132-COMP2-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-04	PR132-S12-047072-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO

854 of 1114

Date/Time 10/17/25 16:00

Raw Sample Received by: BB WC)

Raw Sample Relinquished by: CP (CSM)

Date/Time 10/17/25 17:35

Raw Sample Received by: CP (CSM)

Raw Sample Relinquished by: BB WC)

Q3376-METALS

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-05	PR132-S12-020047-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3381-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-03	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-05	RBR200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-07	VNJ-255	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-01	CENTRAL-AVE-TP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-02	CENTRAL-AVE-TP-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-01	OR-03-101725	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-02	OR-03-101725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-01	237	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-02	237-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-01	BC289050-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-02	BC289050-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-03	BC289050-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-04	BC289050-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3388-01	461	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-01	KMH472J-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-02	KMH472J-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-01	4175	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-03	340	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-04	340-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03		10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: JB WC

Raw Sample Relinquished by: CR (SM)

Date/Time 10/17/25 17:35

Raw Sample Received by: CR (SM)

Raw Sample Relinquished by: JB WC

Q3376-METALS

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3391-01	RCA	Solid	Percent Solids	Cool 4 deg C	YANN01	D31	09/18/2025	Chemtech -SO
Q3392-01	MH-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-02	MH-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-03	MH-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-05	MH-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-06	MH-19-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-07	MH-19-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO

856 of 1114

Date/Time 10/17/25 16:00

Raw Sample Received by: TB WC

Raw Sample Relinquished by: CP CSM

Date/Time 10/17/25 17:35

Raw Sample Received by: CP CSM

Raw Sample Relinquished by: TB WC

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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 # LB137584

Review By	mohan	Review On	10/21/2025 6:15:17 PM
Supervise By	jaswal	Supervise On	10/24/2025 10:42:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP87653,MP87654,MP87655,MP87656,MP87657,MP87658
ICV Standard	MP87659
CCV Standard	MP87661
ICSA Standard	
CRI Standard	MP87663
LCS Standard	
Chk Standard	MP87660,MP87664,MP87666

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/20/25 13:58		Sagar	OK
2	S0.2	S0.2	CAL2	10/20/25 14:01		Sagar	OK
3	S2.5	S2.5	CAL3	10/20/25 14:03		Sagar	OK
4	S5	S5	CAL4	10/20/25 14:05		Sagar	OK
5	S7.5	S7.5	CAL5	10/20/25 14:08		Sagar	OK
6	S10	S10	CAL6	10/20/25 14:17		Sagar	OK
7	ICV79	ICV79	ICV	10/20/25 14:21		Sagar	OK
8	ICB79	ICB79	ICB	10/20/25 14:23		Sagar	OK
9	CCV57	CCV57	CCV	10/20/25 14:26		Sagar	OK
10	CCB57	CCB57	CCB	10/20/25 14:28		Sagar	OK
11	CRA	CRA	CRDL	10/20/25 14:35		Sagar	OK
12	HighStd	HighStd	HIGH STD	10/20/25 14:37		Sagar	OK
13	ChkStd	ChkStd	SAM	10/20/25 14:39		Sagar	OK
14	PB170170BL	PB170170BL	MB	10/20/25 14:42		Sagar	OK
15	PB170170BS	PB170170BS	LCS	10/20/25 14:48		Sagar	OK
16	Q3374-01	TP-4-WC	SAM	10/20/25 14:50		Sagar	OK
17	Q3374-05	TP-5-WC	SAM	10/20/25 14:53		Sagar	OK
18	Q3374-05DUP	TP-5-WCDUP	DUP	10/20/25 14:55		Sagar	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137584

Review By	mohan	Review On	10/21/2025 6:15:17 PM
Supervise By	jaswal	Supervise On	10/24/2025 10:42:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP87653,MP87654,MP87655,MP87656,MP87657,MP87658
ICV Standard	MP87659
CCV Standard	MP87661
ICSA Standard	
CRI Standard	MP87663
LCS Standard	
Chk Standard	MP87660,MP87664,MP87666

19	Q3374-05MS	TP-5-WCMS	MS	10/20/25 15:00		Sagar	OK
20	Q3374-05MSD	TP-5-WCMSD	MSD	10/20/25 15:02		Sagar	OK
21	CCV58	CCV58	CCV	10/20/25 15:05		Sagar	OK
22	CCB58	CCB58	CCB	10/20/25 15:08		Sagar	OK
23	Q3375-01	PR132-S02-074099-2	SAM	10/20/25 15:10	Hg is high	Sagar	Dilution
24	Q3375-02	PR132-S04-000013-2	SAM	10/20/25 15:13		Sagar	OK
25	Q3375-03	PR132-S05-000057-2	SAM	10/20/25 15:15	Hg is high	Sagar	Dilution
26	Q3375-04	PR132-S02-010074-2	SAM	10/20/25 15:18	Hg is high	Sagar	Dilution
27	Q3375-05	PR132-DP02-202510	SAM	10/20/25 15:21	Hg is high	Sagar	Dilution
28	Q3376-01	PR132-S05-057082-2	SAM	10/20/25 15:24	Hg is high	Sagar	Dilution
29	Q3376-02	PR132-DP01-202510	SAM	10/20/25 15:27	Hg is high	Sagar	Dilution
30	Q3376-03	PR132-COMP2-2025	SAM	10/20/25 15:31	Hg is high	Sagar	Dilution
31	Q3376-04	PR132-S12-047072-2	SAM	10/20/25 15:34	Hg is high	Sagar	Dilution
32	Q3376-05	PR132-S12-020047-2	SAM	10/20/25 15:37	Hg is high	Sagar	Dilution
33	CCV59	CCV59	CCV	10/20/25 15:40		Sagar	OK
34	CCB59	CCB59	CCB	10/20/25 15:43		Sagar	OK
35	PB170171BL	PB170171BL	MB	10/20/25 15:51		Sagar	OK
36	PB170171BS	PB170171BS	LCS	10/20/25 15:53		Sagar	OK
37	Q3381-01	VNJ-222	SAM	10/20/25 15:55		Sagar	OK
38	Q3381-01DUP	VNJ-222DUP	DUP	10/20/25 16:01		Sagar	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137584

Review By	mohan	Review On	10/21/2025 6:15:17 PM
Supervise By	jaswal	Supervise On	10/24/2025 10:42:37 PM

STD. NAME	STD REF.#
ICAL Standard	MP87653,MP87654,MP87655,MP87656,MP87657,MP87658
ICV Standard	MP87659
CCV Standard	MP87661
ICSA Standard	
CRI Standard	MP87663
LCS Standard	
Chk Standard	MP87660,MP87664,MP87666

39	Q3381-01MS	VNJ-222MS	MS	10/20/25 16:03		Sagar	OK
40	Q3381-01MSD	VNJ-222MSD	MSD	10/20/25 16:05		Sagar	OK
41	Q3381-03	VNJ-245	SAM	10/20/25 16:08		Sagar	OK
42	Q3381-05	RBR200059	SAM	10/20/25 16:10		Sagar	OK
43	Q3381-07	VNJ-255	SAM	10/20/25 16:13		Sagar	OK
44	Q3382-01	CENTRAL-AVE-TP	SAM	10/20/25 16:15		Sagar	OK
45	CCV60	CCV60	CCV	10/20/25 16:17		Sagar	OK
46	CCB60	CCB60	CCB	10/20/25 16:20		Sagar	OK
47	Q3383-01	OR-03-101725	SAM	10/20/25 16:23		Sagar	OK
48	Q3386-01	237	SAM	10/20/25 16:25		Sagar	OK
49	Q3390-03	340	SAM	10/20/25 16:27		Sagar	OK
50	Q3392-01	MH-20	SAM	10/20/25 16:29		Sagar	OK
51	Q3392-05	MH-19	SAM	10/20/25 16:32		Sagar	OK
52	Q3374-05L	TP-5-WCL	SD	10/20/25 16:34		Sagar	OK
53	Q3374-05A	TP-5-WCA	PS	10/20/25 16:36		Sagar	OK
54	Q3381-01L	VNJ-222L	SD	10/20/25 16:39		Sagar	OK
55	Q3381-01A	VNJ-222A	PS	10/20/25 16:41		Sagar	OK
56	CCV61	CCV61	CCV	10/21/25 08:57		Sagar	OK
57	CCB61	CCB61	CCB	10/21/25 09:00		Sagar	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137610

Review By	jaswal	Review On	10/24/2025 6:54:44 PM
Supervise By	Janvi	Supervise On	10/28/2025 3:11:04 PM

STD. NAME	STD REF.#
ICAL Standard	MP87670,MP87671,MP87672,MP87673,MP87674,MP87675
ICV Standard	MP87676
CCV Standard	MP87678
ICSA Standard	
CRI Standard	MP87680
LCS Standard	
Chk Standard	MP87677,MP87679,MP87681,MP87699

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/22/25 11:13		Sagar	OK
2	S0.2	S0.2	CAL2	10/22/25 11:16		Sagar	OK
3	S2.5	S2.5	CAL3	10/22/25 11:18		Sagar	OK
4	S5	S5	CAL4	10/22/25 11:20		Sagar	OK
5	S7.5	S7.5	CAL5	10/22/25 11:23		Sagar	OK
6	S10	S10	CAL6	10/22/25 11:25		Sagar	OK
7	ICV83	ICV83	ICV	10/22/25 11:29		Sagar	OK
8	ICB83	ICB83	ICB	10/22/25 11:31		Sagar	OK
9	CCV71	CCV71	CCV	10/22/25 11:34		Sagar	OK
10	CCB71	CCB71	CCB	10/22/25 11:36		Sagar	OK
11	CRA	CRA	CRDL	10/22/25 11:39		Sagar	OK
12	HighStd	HighStd	HIGH STD	10/22/25 11:41		Sagar	OK
13	ChkStd	ChkStd	SAM	10/22/25 11:43		Sagar	OK
14	PB170201BL	PB170201BL	MB	10/22/25 11:49		Sagar	OK
15	PB170201BS	PB170201BS	LCS	10/22/25 11:51		Sagar	OK
16	Q3393-01	PR132-S10-000022-2	SAM	10/22/25 11:54	Hg High	Sagar	Dilution
17	Q3393-02	PR132-S10-022047-2	SAM	10/22/25 11:57	Hg High	Sagar	Dilution
18	Q3393-03	PR132-S08-013038-2	SAM	10/22/25 12:00	Hg High	Sagar	Dilution

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137610

Review By	jaswal	Review On	10/24/2025 6:54:44 PM
Supervise By	Janvi	Supervise On	10/28/2025 3:11:04 PM

STD. NAME	STD REF.#
ICAL Standard	MP87670,MP87671,MP87672,MP87673,MP87674,MP87675
ICV Standard	MP87676
CCV Standard	MP87678
ICSA Standard	
CRI Standard	MP87680
LCS Standard	
Chk Standard	MP87677,MP87679,MP87681,MP87699

19	Q3393-04	PR132-S06-000021-2	SAM	10/22/25 12:03	Hg High	Sagar	Dilution
20	Q3393-05	PR132-S08-000013-2	SAM	10/22/25 12:06	Hg High	Sagar	Dilution
21	CCV72	CCV72	CCV	10/22/25 12:14		Sagar	OK
22	CCB72	CCB72	CCB	10/22/25 12:16		Sagar	OK
23	Q3395-01	PR132-S09-000051-2	SAM	10/22/25 12:19	Hg High	Sagar	Dilution
24	Q3395-02	PR132-S07-000102-2	SAM	10/22/25 12:21	Hg High	Sagar	Dilution
25	Q3395-02DUP	PR132-S07-000102-2	DUP	10/22/25 12:24	Hg High	Sagar	Dilution
26	Q3395-03	PR132-S07-000102-2	MS	10/22/25 12:28	Hg High	Sagar	Dilution
27	Q3395-04	PR132-S07-000102-2	MSD	10/22/25 12:31	Hg High	Sagar	Dilution
28	Q3395-05	PR132-S07-102116-2	SAM	10/22/25 12:34	Hg High	Sagar	Dilution
29	Q3395-06	PR132-COMP03-2025	SAM	10/22/25 12:37		Sagar	OK
30	Q3395-07	PR132-S08-038048-2	SAM	10/22/25 12:40	Hg High	Sagar	Dilution
31	Q3397-01	TP-7-WC	SAM	10/22/25 12:43		Sagar	OK
32	Q3402-01	41-LA	SAM	10/22/25 12:46		Sagar	OK
33	CCV73	CCV73	CCV	10/22/25 12:48		Sagar	OK
34	CCB73	CCB73	CCB	10/22/25 12:54		Sagar	OK
35	Q3402-04	41-RA	SAM	10/22/25 12:57		Sagar	OK
36	Q3402-07	41-LB	SAM	10/22/25 13:00	Hg High	Sagar	Dilution
37	Q3402-10	41-RB	SAM	10/22/25 13:02	Hg High	Sagar	Dilution
38	Q3403-01	MH-18	SAM	10/22/25 13:05		Sagar	OK

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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137610

Review By	jaswal	Review On	10/24/2025 6:54:44 PM
Supervise By	Janvi	Supervise On	10/28/2025 3:11:04 PM

STD. NAME	STD REF.#
ICAL Standard	MP87670,MP87671,MP87672,MP87673,MP87674,MP87675
ICV Standard	MP87676
CCV Standard	MP87678
ICSA Standard	
CRI Standard	MP87680
LCS Standard	
Chk Standard	MP87677,MP87679,MP87681,MP87699

39	Q3395-02L	PR132-S07-000102-2	SD	10/22/25 13:08		Sagar	OK
40	Q3393-01DL	PR132-S10-000022-2	SAM	10/22/25 13:13	5X For Hg	Sagar	Confirms
41	Q3393-02DL	PR132-S10-022047-2	SAM	10/22/25 13:15	5X For Hg	Sagar	Confirms
42	Q3393-03DL	PR132-S08-013038-2	SAM	10/22/25 13:18	5X For Hg	Sagar	Confirms
43	Q3393-04DL	PR132-S06-000021-2	SAM	10/22/25 13:20	5X For Hg	Sagar	Confirms
44	CCV74	CCV74	CCV	10/22/25 13:23		Sagar	OK
45	CCB74	CCB74	CCB	10/22/25 13:26		Sagar	OK
46	Q3393-05DL	PR132-S08-000013-2	SAM	10/22/25 13:35	10X For Hg	Sagar	Confirms
47	Q3395-01DL	PR132-S09-000051-2	SAM	10/22/25 13:43	10X For Hg	Sagar	Confirms
48	Q3395-02DL	PR132-S07-000102-2	SAM	10/22/25 13:45	10X For Hg	Sagar	Confirms
49	Q3395-02DUPDL	PR132-S07-000102-2	DUP	10/22/25 13:52	10X For Hg	Sagar	Confirms
50	Q3395-03DL	PR132-S07-000102-2	MS	10/22/25 13:54	10X For Hg	Sagar	Confirms
51	Q3395-04DL	PR132-S07-000102-2	MSD	10/22/25 13:57	10X For Hg	Sagar	Confirms
52	Q3395-05DL	PR132-S07-102116-2	SAM	10/22/25 14:00	10X For Hg	Sagar	Confirms
53	Q3395-07DL	PR132-S08-038048-2	SAM	10/22/25 14:03	10X For Hg	Sagar	Confirms
54	Q3402-07DL	41-LBDL	SAM	10/22/25 14:06	10X For Hg	Sagar	Confirms
55	Q3402-10DL	41-RBDL	SAM	10/22/25 14:08	10X For Hg	Sagar	Confirms
56	CCV75	CCV75	CCV	10/22/25 14:11		Sagar	OK
57	CCB75	CCB75	CCB	10/22/25 14:13		Sagar	OK
58	Q3395-02LDL	PR132-S07-000102-2	SD	10/22/25 14:16	Not Use	Sagar	Not Ok

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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137610

Review By	jaswal	Review On	10/24/2025 6:54:44 PM
Supervise By	Janvi	Supervise On	10/28/2025 3:11:04 PM

STD. NAME	STD REF.#
ICAL Standard	MP87670,MP87671,MP87672,MP87673,MP87674,MP87675
ICV Standard	MP87676
CCV Standard	MP87678
ICSA Standard	
CRI Standard	MP87680
LCS Standard	
Chk Standard	MP87677,MP87679,MP87681,MP87699

59	Q3395-02ADL	PR132-S07-000102-2	PS	10/22/25 14:18	10X For Hg	Sagar	Confirms
60	Q3375-01DL	PR132-S02-074099-2	SAM	10/22/25 14:21	10X For Hg	Sagar	Confirms
61	Q3375-03DL	PR132-S05-000057-2	SAM	10/22/25 14:23	10X For Hg	Sagar	Confirms
62	Q3375-04DL	PR132-S02-010074-2	SAM	10/22/25 14:26	10X For Hg	Sagar	Confirms
63	Q3375-05DL	PR132-DP02-202510	SAM	10/22/25 14:28	10X For Hg	Sagar	Confirms
64	Q3376-01DL	PR132-S05-057082-2	SAM	10/22/25 14:31	10X For Hg	Sagar	Confirms
65	Q3376-02DL	PR132-DP01-202510	SAM	10/22/25 14:33	10X For Hg	Sagar	Confirms
66	Q3376-03DL	PR132-COMP2-2025	SAM	10/22/25 14:36	10X For Hg	Sagar	Confirms
67	Q3376-04DL	PR132-S12-047072-2	SAM	10/22/25 14:39	10X For Hg	Sagar	Confirms
68	CCV76	CCV76	CCV	10/22/25 14:42		Sagar	OK
69	CCB76	CCB76	CCB	10/22/25 14:44		Sagar	OK
70	Q3376-05DL	PR132-S12-020047-2	SAM	10/22/25 14:47	10X For Hg	Sagar	Confirms
71	Q3376-07DL	PR132-FB01-202510	SAM	10/22/25 14:49	Wrong Method	Sagar	Not Ok
72	Q3395-02A	PR132-S07-000102-2	PS	10/22/25 14:53		Sagar	OK
73	CCV77	CCV77	CCV	10/22/25 14:59		Sagar	OK
74	CCB77	CCB77	CCB	10/22/25 15:02		Sagar	OK

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Fax : 908 789 8922

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB137619

Review By	Janvi	Review On	10/24/2025 4:51:23 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:19:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP87545,MP87554,MP87553,MP87551,MP87550,MP87549,MP87548,MP87547,MP87546
ICV Standard	MP87566,MP87553
CCV Standard	MP87555
ICSA Standard	MP87556,MP87557
CRI Standard	MP87553
LCS Standard	
Chk Standard	MP87559,MP87560

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	10/22/25 10:45		Jaswal	OK
2	S0	S0	CAL1	10/22/25 11:54		Jaswal	OK
3	S2	S2	CAL3	10/22/25 11:57		Jaswal	OK
4	S3	S3	CAL4	10/22/25 12:04		Jaswal	OK
5	S4	S4	CAL5	10/22/25 12:07		Jaswal	OK
6	S5	S5	CAL6	10/22/25 12:10		Jaswal	OK
7	S6	S6	CAL7	10/22/25 12:13		Jaswal	OK
8	S7	S7	CAL8	10/22/25 12:16		Jaswal	OK
9	S8	S8	CAL9	10/22/25 12:19		Jaswal	OK
10	ICV01	ICV01	ICV	10/22/25 12:38		Jaswal	OK
11	LLICV01	LLICV01	LLICV	10/22/25 13:12		Jaswal	OK
12	ICB01	ICB01	ICB	10/22/25 13:16		Jaswal	OK
13	ICSA01	ICSA01	ICSA	10/22/25 13:20		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	10/22/25 13:23		Jaswal	OK
15	CCV01	CCV01	CCV	10/22/25 13:27		Jaswal	OK
16	CCB01	CCB01	CCB	10/22/25 13:30		Jaswal	OK
17	CRI01	CRI01	CRDL	10/22/25 13:33		Jaswal	OK
18	PB170191BS	PB170191BS	LCS	10/22/25 13:40		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB137619

Review By	Janvi	Review On	10/24/2025 4:51:23 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:19:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP87545,MP87554,MP87553,MP87551,MP87550,MP87549,MP87548,MP87547,MP87546
ICV Standard	MP87566,MP87553
CCV Standard	MP87555
ICSA Standard	MP87556,MP87557
CRI Standard	MP87553
LCS Standard	
Chk Standard	MP87559,MP87560

19	Q3386-03	3443	SAM	10/22/25 13:43		Jaswal	OK
20	Q3386-04	3444	SAM	10/22/25 13:46		Jaswal	OK
21	Q3386-04DUP	3444DUP	DUP	10/22/25 13:49		Jaswal	OK
22	Q3386-04L	3444L	SD	10/22/25 13:53		Jaswal	OK
23	Q3386-04MS	3444MS	MS	10/22/25 13:56		Jaswal	OK
24	Q3386-04MSD	3444MSD	MSD	10/22/25 13:59		Jaswal	OK
25	Q3386-04A	3444A	PS	10/22/25 14:02	0.1ml mp87570,0.2ml each mp87575,mp87578,mp875 81-10ml sample	Jaswal	OK
26	PB170191BL	PB170191BL	MB	10/22/25 14:08		Jaswal	OK
27	CCV02	CCV02	CCV	10/22/25 14:11		Jaswal	OK
28	CCB02	CCB02	CCB	10/22/25 14:18		Jaswal	OK
29	Q3363-01	PR132-SO1-085011-2	SAM	10/22/25 14:21		Jaswal	OK
30	Q3363-02	PR132-SO1-039085-2	SAM	10/22/25 14:24	Cr High	Jaswal	Dilution
31	Q3363-03	PR132-SO3-028010-2	SAM	10/22/25 14:27	Cr High	Jaswal	Dilution
32	Q3363-04	PR132-SO3-010013-2	SAM	10/22/25 14:30	INT_STD 89Y(1) Fail	Jaswal	Dilution
33	Q3363-05	COMP01-20251015	SAM	10/22/25 14:34	Al,Fe High, INT_STD 89Y(1&2) Fail	Jaswal	Dilution
34	Q3363-05DUP	COMP01-20251015D	DUP	10/22/25 14:37	Al,Fe High, INT_STD 89Y(1&2) Fail	Jaswal	Dilution
35	Q3363-05L	COMP01-20251015L	SD	10/22/25 14:40	Al,Fe High, INT_STD 89Y(1&2) Fail	Jaswal	Dilution
36	Q3363-05MS	COMP01-20251015M	MS	10/22/25 14:43	Al,Fe,Pb High, INT_STD 89Y(1&2) Fail	Jaswal	Dilution

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Supervise By	jaswal	Supervise On	10/24/2025 6:19:47 PM

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ICV Standard	MP87566,MP87553
CCV Standard	MP87555
ICSA Standard	MP87556,MP87557
CRI Standard	MP87553
LCS Standard	
Chk Standard	MP87559,MP87560

37	Q3363-05MSD	COMP01-20251015M	MSD	10/22/25 14:46	Al,Fe,Pb High, INT_STD 89Y(1&2) Fail	Jaswal	Dilution
38	Q3363-05A	COMP01-20251015A	PS	10/22/25 14:49	INT_STD 89Y(1&2) Fail(0.1ml mp87570,0.2ml each mp87575,mp87578,mp87581-10ml sample)	Jaswal	Dilution
39	CCV03	CCV03	CCV	10/22/25 14:54		Jaswal	OK
40	CCB03	CCB03	CCB	10/22/25 15:05		Jaswal	OK
41	PB170139BL	PB170139BL	MB	10/22/25 15:14		Jaswal	OK
42	PB170139BS	PB170139BS	LCS	10/22/25 15:17		Jaswal	OK
43	PB170158BL	PB170158BL	MB	10/22/25 15:20		Jaswal	OK
44	PB170158BS	PB170158BS	LCS	10/22/25 15:24		Jaswal	OK
45	PB170186BL	PB170186BL	MB	10/22/25 15:27		Jaswal	OK
46	PB170186BS	PB170186BS	LCS	10/22/25 15:30		Jaswal	OK
47	Q3375-01	PR132-S02-074099-2	SAM	10/22/25 15:33		Jaswal	OK
48	Q3375-02	PR132-S04-000013-2	SAM	10/22/25 15:36		Jaswal	OK
49	Q3375-03	PR132-S05-000057-2	SAM	10/22/25 15:39	Cr High	Jaswal	Dilution
50	Q3375-04	PR132-S02-010074-2	SAM	10/22/25 15:42		Jaswal	OK
51	CCV04	CCV04	CCV	10/22/25 15:45		Jaswal	OK
52	CCB04	CCB04	CCB	10/22/25 16:00		Jaswal	OK
53	Q3375-05	PR132-DP02-202510	SAM	10/22/25 16:03	Cr,Fe,Pb High	Jaswal	Dilution
54	Q3376-01	PR132-S05-057082-2	SAM	10/22/25 16:06	Cr High	Jaswal	Dilution

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Supervise By	jaswal	Supervise On	10/24/2025 6:19:47 PM

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ICAL Standard	MP87545,MP87554,MP87553,MP87551,MP87550,MP87549,MP87548,MP87547,MP87546
ICV Standard	MP87566,MP87553
CCV Standard	MP87555
ICSA Standard	MP87556,MP87557
CRI Standard	MP87553
LCS Standard	
Chk Standard	MP87559,MP87560

55	Q3376-02	PR132-DP01-202510	SAM	10/22/25 16:09	Cr High	Jaswal	Dilution
56	Q3376-03	PR132-COMP2-2025	SAM	10/22/25 16:13	Cr High	Jaswal	Dilution
57	Q3376-04	PR132-S12-047072-2	SAM	10/22/25 16:16	Cr High	Jaswal	Dilution
58	Q3376-05	PR132-S12-020047-2	SAM	10/22/25 16:19		Jaswal	OK
59	Q3376-05L	PR132-S12-020047-2	SD	10/22/25 16:25		Jaswal	OK
60	Q3376-05MSD	PR132-S12-020047-2	MSD	10/22/25 16:31		Jaswal	OK
61	Q3376-05DUP	PR132-S12-020047-2	DUP	10/22/25 16:40		Jaswal	OK
62	Q3376-05MS	PR132-S12-020047-2	MS	10/22/25 16:43		Jaswal	OK
63	CCV05	CCV05	CCV	10/22/25 16:46		Jaswal	OK
64	CCB05	CCB05	CCB	10/22/25 16:55		Jaswal	OK
65	Q3376-05A	PR132-S12-020047-2	PS	10/22/25 17:00	0.1ml mp87570,0.2ml each mp87575,mp87578,mp875 81-10ml sample	Jaswal	OK
66	Q3393-01	PR132-S10-000022-2	SAM	10/22/25 17:15	Cr High	Jaswal	Dilution
67	Q3393-02	PR132-S10-022047-2	SAM	10/22/25 17:18	Cr High	Jaswal	Dilution
68	Q3393-03	PR132-S08-013038-2	SAM	10/22/25 17:22	Al,Fe High, INT_STD 89Y(1&2) Fail	Jaswal	Dilution
69	Q3393-04	PR132-S06-000021-2	SAM	10/22/25 17:25	Cr High	Jaswal	Dilution
70	Q3393-05	PR132-S08-000013-2	SAM	10/22/25 17:28	Cr,Fe High, INT_STD 89Y(2) Fail	Jaswal	Dilution
71	Q3395-01	PR132-S09-000051-2	SAM	10/22/25 17:31	Cr High	Jaswal	Dilution
72	Q3395-02	PR132-S07-000102-2	SAM	10/22/25 17:34	Cr High	Jaswal	Dilution

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ICV Standard	MP87566,MP87553
CCV Standard	MP87555
ICSA Standard	MP87556,MP87557
CRI Standard	MP87553
LCS Standard	
Chk Standard	MP87559,MP87560

73	Q3395-02DUP	PR132-S07-000102-2	DUP	10/22/25 17:41	Cr High	Jaswal	Dilution
74	Q3395-02L	PR132-S07-000102-2	SD	10/22/25 17:44		Jaswal	OK
75	CCV06	CCV06	CCV	10/22/25 17:59		Jaswal	OK
76	CCB06	CCB06	CCB	10/22/25 18:10		Jaswal	OK
77	Q3395-03	PR132-S07-000102-2	MS	10/22/25 18:15	Cr,Fe,Pb,Ni High	Jaswal	Dilution
78	Q3395-04	PR132-S07-000102-2	MSD	10/22/25 18:18	Cr,Fe,Pb,Ni High	Jaswal	Dilution
79	Q3395-02A	PR132-S07-000102-2	PS	10/22/25 18:21	Pb High(0.1ml mp87570,0.2ml each mp87575,mp87578,mp875 81-10ml sample	Jaswal	Dilution
80	Q3395-05	PR132-S07-102116-2	SAM	10/22/25 18:23	Al,Cr,Fe High	Jaswal	Dilution
81	Q3395-06	PR132-COMP03-2025	SAM	10/22/25 18:26		Jaswal	OK
82	Q3395-07	PR132-S08-038048-2	SAM	10/22/25 18:29	Fe High	Jaswal	Dilution
83	CCV07	CCV07	CCV	10/22/25 18:41		Jaswal	OK
84	CCB07	CCB07	CCB	10/22/25 18:49		Jaswal	OK
85	Q3363-02DL	PR132-SO1-039085-2	SAM	10/22/25 19:12	5X For Cr	Jaswal	Confirms
86	Q3363-03DL	PR132-SO3-028010-2	SAM	10/22/25 19:15	5X For Cr	Jaswal	Confirms
87	Q3363-04DL	PR132-SO3-010013-2	SAM	10/22/25 19:18	5X For INT_STD 89Y(1)	Jaswal	Confirms
88	Q3363-05DL	COMP01-20251015DI	SAM	10/22/25 19:22	5X For INT_STD 89Y(1&2),5X For Al,Fe	Jaswal	Confirms
89	Q3363-05DUPDL	COMP01-20251015DI	DUP	10/22/25 19:25	5X For INT_STD 89Y(1&2),5X For Al,Fe	Jaswal	Confirms
90	Q3363-05LDL	COMP01-20251015LI	SD	10/22/25 19:28	25X For INT_STD 89Y(1&2),5X For Al,Fe	Jaswal	Confirms

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CCV Standard	MP87555
ICSA Standard	MP87556,MP87557
CRI Standard	MP87553
LCS Standard	
Chk Standard	MP87559,MP87560

91	Q3363-05MSDL	COMP01-20251015M	MS	10/22/25 19:31	5X For INT_STD 89Y(1&2),5X For Al,Fe,Pb	Jaswal	Confirms
92	Q3363-05MSDDL	COMP01-20251015M	MSD	10/22/25 19:34	5X For INT_STD 89Y(1&2),5X For Al,Fe,Pb	Jaswal	Confirms
93	Q3363-05ADL	COMP01-20251015Al	PS	10/22/25 19:37	5X For INT_STD 89Y(1&2)	Jaswal	Confirms
94	Q3375-03DL	PR132-S05-000057-2	SAM	10/22/25 19:41	5X For Cr	Jaswal	Confirms
95	CCV08	CCV08	CCV	10/22/25 19:44		Jaswal	OK
96	CCB08	CCB08	CCB	10/22/25 19:52		Jaswal	OK
97	Q3375-05DL	PR132-DP02-202510	SAM	10/22/25 19:57	5X For Cr,Fe,Pb	Jaswal	Confirms
98	Q3376-01DL	PR132-S05-057082-2	SAM	10/22/25 20:00	5X For Cr	Jaswal	Confirms
99	Q3376-02DL	PR132-DP01-202510	SAM	10/22/25 20:03	5X For Cr	Jaswal	Confirms
100	Q3376-03DL	PR132-COMP2-2025	SAM	10/22/25 20:06	5X For Cr	Jaswal	Confirms
101	Q3376-04DL	PR132-S12-047072-2	SAM	10/22/25 20:09	5X For Cr	Jaswal	Confirms
102	Q3393-01DL	PR132-S10-000022-2	SAM	10/22/25 20:12	5X For Cr	Jaswal	Confirms
103	Q3393-02DL	PR132-S10-022047-2	SAM	10/22/25 20:16	5X For Cr	Jaswal	Confirms
104	Q3393-03DL	PR132-S08-013038-2	SAM	10/22/25 20:19	5X For Al,Fe, 5X For INT_STD 89Y(1&2)	Jaswal	Confirms
105	Q3393-04DL	PR132-S06-000021-2	SAM	10/22/25 20:22	5X For Cr	Jaswal	Confirms
106	Q3393-05DL	PR132-S08-000013-2	SAM	10/22/25 20:25	5X For Cr,Fe , 5X For INT_STD 89Y(2)	Jaswal	Confirms
107	CCV09	CCV09	CCV	10/22/25 20:28		Jaswal	OK
108	CCB09	CCB09	CCB	10/22/25 20:31		Jaswal	OK
109	Q3395-01DL	PR132-S09-000051-2	SAM	10/22/25 20:35	5X For Cr	Jaswal	Confirms

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ICV Standard	MP87566,MP87553
CCV Standard	MP87555
ICSA Standard	MP87556,MP87557
CRI Standard	MP87553
LCS Standard	
Chk Standard	MP87559,MP87560

110	Q3395-02DL	PR132-S07-000102-2	SAM	10/22/25 20:38	5X For Cr	Jaswal	Confirms
111	Q3395-02DUPDL	PR132-S07-000102-2	DUP	10/22/25 20:41	5X For Cr	Jaswal	Confirms
112	Q3395-02LDL	PR132-S07-000102-2	SD	10/22/25 20:44	Not Required	Jaswal	Not Ok
113	Q3395-03DL	PR132-S07-000102-2	MS	10/22/25 20:48	5X For Cr,Pb,Fe,Ni	Jaswal	Confirms
114	Q3395-04DL	PR132-S07-000102-2	MSD	10/22/25 20:51	5X For Cr,Pb,Fe,Ni	Jaswal	Confirms
115	Q3395-02ADL	PR132-S07-000102-2	PS	10/22/25 20:54	5X For Pb,Ni	Jaswal	Confirms
116	Q3395-05DL	PR132-S07-102116-2	SAM	10/22/25 20:57	5X For Al,Cr,Fe	Jaswal	Confirms
117	Q3395-07DL	PR132-S08-038048-2	SAM	10/22/25 21:00	5X For Fe	Jaswal	Confirms
118	CCV10	CCV10	CCV	10/22/25 21:03		Jaswal	OK
119	CCB10	CCB10	CCB	10/22/25 21:06		Jaswal	OK

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Prep Standard - Chemical Standard Summary

Order ID : Q3376

Test : Mercury,Metals ICP-TAL

Prepbatch ID : PB170157,PB170158,PB170170,PB170192,

Sequence ID/Qc Batch ID: LB137583,LB137584,LB137610,LB137613,LB137613,LB137619,LB137630,LB137630,

Standard ID :
MP86978,MP87071,MP87072,MP87073,MP87148,MP87149,MP87545,MP87546,MP87547,MP87548,MP87549,MP87550,MP87551,MP87552,MP87553,MP87554,MP87555,MP87556,MP87557,MP87558,MP87559,MP87560,MP87566,MP87570,MP87575,MP87578,MP87581,MP87582,MP87637,MP87638,MP87639,MP87640,MP87641,MP87642,MP87643,MP87644,MP87645,MP87646,MP87647,MP87648,MP87649,MP87650,MP87651,MP87652,MP87653,MP87654,MP87655,MP87656,MP87657,MP87658,MP87659,MP87660,MP87661,MP87663,MP87664,MP87665,MP87666,MP87668,MP87669,MP87670,MP87671,MP87672,MP87673,MP87674,MP87675,MP87676,MP87677,MP87678,MP87679,MP87680,MP87681,MP87699,

Chemical ID :
M4397,M4916,M5062,M5245,M5467,M5581,M5582,M5658,M5697,M5739,M5748,M5798,M5799,M5800,M5801,M5814,M5815,M5817,M5820,M5882,M5884,M5962,M5969,M5971,M5979,M5981,M5985,M5998,M6021,M6023,M6025,M6026,M6027,M6028,M6030,M6032,M6055,M6058,M6077,M6079,M6086,M6128,M6137,M6140,M6142,M6144,M6145,M6151,M6153,M6157,M6158,M6159,M6160,M6161,M6162,M6163,M6164,M6165,M6170,M6171,M6172,M6174,M6175,M6176,M6177,M6178,M6179,M6182,M6184,M6185,M6187,M6196,M6200,M6201,M6209,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
169	1:1HNO3	MP86978	08/28/2025	11/27/2025	Sagar Kanani	None	None	Sarabjit Jaswal 08/28/2025

FROM 1250.00000ml of M6162 + 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	MP87071	09/04/2025	11/07/2025	Mohan Bera	None	None	Sarabjit Jaswal 09/04/2025

FROM 1600.00000ml of M6157 + 800.00000ml of M6187 = 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 %	MP87072	09/04/2025	03/04/2026	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 09/04/2025

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 %	MP87073	09/04/2025	03/05/2026	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 09/04/2025

FROM 100.00000ml of M4397 + 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
170	1:1HCL	MP87148	09/09/2025	02/17/2026	Sagar Kanani	None	None	Sarabjit Jaswal 09/10/2025

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
67	SODIUM CHLORIDE - HYDROXYL- CHLORIDE SOLUTION	MP87149	09/09/2025	02/03/2026	Mohan Bera	METALS_SCALE_2 (M SC-2)	None	Sarabjit Jaswal 09/10/2025

FROM 2000.00000ml of W3112 + 240.00000gram of M5884 + 240.00000ml of M6196 = 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
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP87545	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 25.00000ml of M6200 + 4925.00000ml of W3112 + 50.00000ml of M6187 = Final Quantity: 5000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP87546	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

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 MP87545 = 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
3947	S7(SFAM,6020,200.8)	MP87547	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.10000ml of M6153 + 1.00000ml of M5799 + 1.00000ml of M5981 + 1.00000ml of M6079 + 1.00000ml of M6137 + 1.90000ml of M6159 + 10.00000ml of M5697 + 10.00000ml of M5979 + 10.00000ml of M6128 + 10.00000ml of M6145 + 10.00000ml of M6178 + 10.00000ml of M6187 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6025 + 4.00000ml of M6032 + 4.90000ml of M6140 + 4.90000ml of M6142 + 5.00000ml of M6200 + 50.00000ml of M6175 + 827.50000ml of W3112 + 9.90000ml of M6086 + 9.90000ml of M6171 + 9.90000ml of M6172 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3948	S6(SFAM,6020,200.8)	MP87548	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.50000ml of M6200 + 1.00000ml of M6187 + 48.50000ml of W3112 + 50.00000ml of MP87547 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP87549	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.50000ml of M6200 + 1.00000ml of M6187 + 73.50000ml of W3112 + 25.00000ml of MP87547 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3954	S4(SFAM,6020,200.8)	MP87550	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.50000ml of M6200 + 1.00000ml of M6187 + 86.00000ml of W3112 + 12.50000ml of MP87547 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP87551	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 10/16/2025

FROM 0.50000ml of M6200 + 1.00000ml of M6187 + 88.50000ml of W3112 + 10.00000ml of MP87548 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3955	S2CONC(SFAM,6020,200.8)	MP87552	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 10/16/2025

FROM 0.00500ml of M6153 + 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 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M6159 + 0.10000ml of M6160 + 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 M6200 + 2.50000ml of M6086 + 2.50000ml of M6142 + 2.50000ml of M6171 + 2.50000ml of M6172 + 2.50000ml of M6187 + 230.04500ml of W3112 = Final Quantity: 250.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP87553	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.50000ml of M6200 + 1.00000ml of M6187 + 98.00000ml of W3112 + 0.50000ml of MP87552 = 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)	MP87554	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.50000ml of M6200 + 1.00000ml of M6187 + 88.50000ml of W3112 + 10.00000ml of MP87553 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP87555	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

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 M6187 + 12.45000ml of M6140 + 12.45000ml of M6142 + 2.00000ml of M6032 + 24.95000ml of M6086 + 24.95000ml of M6171 + 24.95000ml of M6172 + 25.00000ml of M6175 + 4.50000ml of M5697 + 4.50000ml of M6128 + 4.50000ml of M6145 + 4.95000ml of M6159 + 5.00000ml of M6200 + 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
1142	ICSA ICPMS	MP87556	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 10.00000ml of M6185 + 90.00000ml of MP87545 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP87557	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 10.00000ml of M5245 + 10.00000ml of M6185 + 80.00000ml of MP87545 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP87558	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.01000ml of M6171 + 9.99000ml of MP87545 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3894	TUNE 200PPB	MP87559	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 2.00000ml of M6055 + 2.00000ml of MP87558 + 96.00000ml of MP87545 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP87560	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 5.00000ml of M6187 + 75.00000ml of M5739 + 170.00000ml of MP87545 = Final Quantity: 250.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4213	NEW ICV-6020B	MP87566	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.00800ml of M6164 + 0.00800ml of M6165 + 0.01600ml of M6163 + 49.96800ml of MP87545 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3880	M&B SPIKE-1	MP87570	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

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 + 35.00000ml of MP87545 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3881	M&B SPIKE-2	MP87575	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

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 MP87545 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3882	M&B SPIKE-3	MP87578	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 0.62500ml of M6026 + 12.50000ml of M5697 + 12.50000ml of M6128 + 12.50000ml of M6145 + 11.87500ml of MP87545 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3900	M&B SPIKE-4	MP87581	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 6.25000ml of M6086 + 6.25000ml of M6171 + 6.25000ml of M6172 + 6.25000ml of MP87545 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4025	M&B SPIKE-5	MP87582	10/07/2025	11/07/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/16/2025

FROM 15.00000ml of M5979 + 15.00000ml of M6178 + 20.00000ml of MP87545 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP87637	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 125.00000ml of M6200 + 2350.00000ml of W3112 + 25.00000ml of M6187 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
907	ICP AES STD S (S5)	MP87638	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 5.00000ml of M5467 + 5.00000ml of M5820 + 5.00000ml of M5969 + 5.00000ml of M5971 + 5.00000ml of M5998 + 5.00000ml of M6077 + 5.00000ml of M6160 + 5.00000ml of M6174 + 5.00000ml of M6176 + 455.00000ml of MP87637 = Final Quantity: 500.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
910	ICP AES STD S4	MP87639	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 50.00000ml of MP87637 + 50.00000ml of MP87638 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
909	ICP AES STD S3	MP87640	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 25.00000ml of MP87638 + 75.00000ml of MP87637 = 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
3913	ICP AES STD S2	MP87641	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 16.00000ml of MP87638 + 184.00000ml of MP87637 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2950	ICP AES S1/CRI STOCK STD	MP87642	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 0.03000ml of M5798 + 0.03000ml of M6028 + 0.05000ml of M5658 + 0.05000ml of M6030 + 0.05000ml of M6140 + 0.05000ml of M6159 + 0.06000ml of M6177 + 0.10000ml of M5697 + 0.10000ml of M5801 + 0.10000ml of M5820 + 0.10000ml of M5962 + 0.10000ml of M5969 + 0.10000ml of M5971 + 0.10000ml of M6128 + 0.10000ml of M6176 + 0.15000ml of M5800 + 0.20000ml of M5799 + 0.20000ml of M5979 + 0.20000ml of M6021 + 0.20000ml of M6023 + 0.20000ml of M6027 + 0.20000ml of M6145 + 0.25000ml of M5467 + 0.25000ml of M6160 + 0.50000ml of M5814 + 0.50000ml of M6032 + 1.00000ml of M6086 + 1.00000ml of M6142 + 1.00000ml of M6144 + 1.00000ml of M6171 + 1.00000ml of M6178 + 2.00000ml of M6137 + 89.03000ml of MP87637 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2951	ICP AES S1/CRI WORK STD	MP87643	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 2.00000ml of MP87642 + 98.00000ml of MP87637 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4163	NEW ICV-060925	MP87644	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 0.20000ml of M6058 + 0.40000ml of M6163 + 0.40000ml of M6164 + 0.40000ml of M6165 + 48.60000ml of MP87637 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
904	ICP AES ICSA SOLN	MP87645	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 25.00000ml of M6182 + 225.00000ml of MP87637 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3494	ICP AES ICSAB SOLN-1	MP87646	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 0.10000ml of M6077 + 10.00000ml of M6182 + 10.00000ml of M6184 + 79.90000ml of MP87637 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
911	ICP AES CCV SOLN	MP87647	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 50.00000ml of MP87637 + 50.00000ml of MP87638 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
903	ICP AES RINSE SOLN	MP87648	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 200.00000ml of M6187 + 9800.00000ml of W3112 = Final Quantity: 10000.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4226	LR-2	MP87649	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 13.50000ml of M6140 + 9.00000ml of M6142 + 9.50000ml of M6159 + 18.00000ml of MP87637 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4227	LR-3	MP87650	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 1.15000ml of M6026 + 1.25000ml of M5658 + 1.25000ml of M5748 + 1.50000ml of M6145 + 2.50000ml of M5697 + 2.50000ml of M6128 + 39.85000ml of MP87637 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4225	LR-1	MP87651	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 10/28/2025

FROM 11.50000ml of M6086 + 11.50000ml of M6144 + 11.50000ml of M6171 + 15.50000ml of MP87637 = 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.	MP87652	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 1.00000ml of M6187 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1340	Hg 0.00 PPB STD	MP87653	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 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	MP87654	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 247.30000ml of W3112 + 0.20000ml of MP87652 = 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	MP87655	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 245.00000ml of W3112 + 2.50000ml of MP87652 = 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	MP87656	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 242.50000ml of W3112 + 5.00000ml of MP87652 = Final Quantity: 250.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1344	Hg 7.5 PPB STD	MP87657	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 240.00000ml of W3112 + 7.50000ml of MP87652 = 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	MP87658	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 237.50000ml of W3112 + 10.00000ml of MP87652 = 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	MP87659	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6161 + 2.50000ml of M6187 + 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)	MP87660	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 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)	MP87661	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 485.00000ml of W3112 + 5.00000ml of M6187 + 10.00000ml of MP87652 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1349	CRA/CRI (Hg 0.2 PPB SOLUTION)	MP87663	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 247.30000ml of W3112 + 0.20000ml of MP87652 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1350	CHK STD (Hg 7.0 PPB SOLUTION)	MP87664	10/20/2025	10/21/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 240.50000ml of W3112 + 7.00000ml of MP87652 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
887	AQUA REGIA FOR HG ON 7471A	MP87665	10/20/2025	10/21/2025	Sagar Kanani	None	None	Sarabjit Jaswal 10/28/2025

FROM 150.00000ml of M6151 + 50.00000ml of M6187 = Final Quantity: 200.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
68	STANNOUS CHLORIDE SOLUTION	MP87666	10/20/2025	10/21/2025	Sagar Kanani	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 10/28/2025

FROM 450.00000ml of W3112 + 50.00000gram of M5882 + 50.00000ml of M6200 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
919	ICP AES INTERNAL STD	MP87668	10/17/2025	11/11/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 1.00000ml of M6179 + 10.00000ml of M5985 + 1969.00000ml of W3112 + 20.00000ml of M6187 = Final Quantity: 2000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP87669	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 1.00000ml of M6187 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1340	Hg 0.00 PPB STD	MP87670	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1341	Hg 0.2 PPB STD	MP87671	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 247.30000ml of W3112 + 0.20000ml of MP87669 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1342	Hg 2.5 PPB STD	MP87672	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 245.00000ml of W3112 + 2.50000ml of MP87669 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1343	Hg 5.0 PPB STD	MP87673	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 242.50000ml of W3112 + 5.00000ml of MP87669 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1344	Hg 7.5 PPB STD	MP87674	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 240.00000ml of W3112 + 7.50000ml of MP87669 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1345	Hg 10.0 PPB STD	MP87675	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 237.50000ml of W3112 + 10.00000ml of MP87669 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1346	Hg ICV SOLUTION	MP87676	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6161 + 2.50000ml of M6187 + 245.00000ml of W3112 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1351	ICB (Hg 0.00 PPB SOLUTION)	MP87677	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1358	CCV (Hg 5.0 PPB SOLUTION)	MP87678	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 485.00000ml of W3112 + 5.00000ml of M6187 + 10.00000ml of MP87669 = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1352	CCB (Hg 0.00 PPB SOLUTION)	MP87679	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 495.00000ml of W3112 + 5.00000ml of M6187 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1349	CRA/CRI (Hg 0.2 PPB SOLUTION)	MP87680	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 247.30000ml of W3112 + 0.20000ml of MP87669 = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1350	CHK STD (Hg 7.0 PPB SOLUTION)	MP87681	10/21/2025	10/22/2025	Sagar Kanani	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 10/28/2025

FROM 2.50000ml of M6187 + 240.50000ml of W3112 + 7.00000ml of MP87669 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
68	STANNOUS CHLORIDE SOLUTION	MP87699	10/22/2025	10/23/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 10/28/2025

FROM 450.00000ml of W3112 + 50.00000gram of M5882 + 50.00000ml of M6200 = Final Quantity: 500.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3238-05 / Potassium Persulfate (2.5kg)	0000227540	09/24/2025	08/16/2019 / RICHARD	07/17/2019 / RICHARD	M4397

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 #
Absolute Standards, Inc.	57058 / Cerium, 1000PPM, 100ML	020623	02/06/2026	03/06/2023 / bin	03/01/2023 / bin	M5467

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	26397-103 / PTFE BOILING STONES	W126678	03/20/2026	03/20/2025 /jaswal	06/12/2023 / jaswal	M5581

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	26397-103 / PTFE BOILING STONES	W126678	12/31/2025	06/17/2023 / Al-Terek	06/12/2023 / jaswal	M5582

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 #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Nickel (Ni) 1000PPM	091223	09/12/2026	01/02/2024 / bin	12/20/2023 / jaswal	M5748

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57005 / B, 1000 PPM, 125 ml	071123	07/11/2026	03/26/2024 / Sohil	01/03/2024 / jaswal	M5814

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3980-01 / Stannous Chloride (cs/4x500g)	232820	08/31/2028	04/30/2024 / mohan	04/25/2024 / mohan	M5882

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 #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	03/31/2026	03/31/2025 / kareem	06/11/2024 / Jaswal	M5969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57003 / Li, 1000 PPM, 125 ml	061224	06/21/2027	06/06/2025 / Janvi	07/01/2024 / Jaswal	M5971

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGIN10-5 / INDIUM 1 x 500 ml	U2-IN729349	02/21/2028	10/08/2024 / Jaswal	06/14/2024 / Jaswal	M5985

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	T2-MEB727800	07/30/2026	07/30/2025 / Janvi	02/22/2024 / kareem	M5998

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	110923	11/09/2026	12/05/2024 / janvi	08/05/2024 / Jaswal	M6026

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL	U2-MEB734294	06/21/2028	08/21/2024 / Jaswal	08/19/2024 / Jaswal	M6055

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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 #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	V2-MEB746762	09/06/2029	01/23/2025 / kareem	09/19/2024 / kareem	M6077

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	01/15/2025 / Jaswal	09/30/2024 / Jaswal	M6079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Calcium, 500 ml, 10000 PPM	082324	08/23/2027	03/06/2025 / JANVI	10/14/2024 / jaswal	M6086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	101124	10/11/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6128

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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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	121724	12/17/2027	02/04/2025 /jaswal	01/13/2025 / Jaswal	M6145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSR10 / Strontium (SR), 125mL 10,000ppm	V2-SR754329	02/28/2026	02/28/2025 / JANVI	01/07/2025 / JANVI	M6153

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

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	10/30/2025	03/10/2025 / Eman	02/02/2025 / Sagar	M6158

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 #
EPA	ICV-5 / ICV (HG) STOCK SOLN	ICV 5 0415	12/31/2025	05/01/2025 / mohan	03/30/2024 / mohan	M6161

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-2186-03 / Hydrogen Peroxide (cs/4x4L)	24D1961001	10/31/2025	06/25/2025 /Sagar	05/20/2025 / Sagar	M6170

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 /Janvi	02/13/2025 / Janvi	M6171

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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	CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL	V2-MEB742428	07/31/2026	07/31/2025 / Janvi	05/05/2025 / Janvi	M6174

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.	/ Lead (Pb) 1000PPM	031525	03/15/2028	08/06/2025 / Janvi	08/06/2025 / Janvi	M6177

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGY10-1 / YTTRIUM 125mL 10,000ug/mL	V2-Y740548	08/05/2026	08/06/2025 / Janvi	06/02/2024 / Janvi	M6179

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICP) STOCK SOLN	ICSA-1211	02/05/2026	08/06/2025 / Janvi	03/06/2024 / Janvi	M6182

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSAB (ICP) STOCK SOLN	ICSB-0710	02/05/2026	08/06/2025 / Janvi	03/06/2024 / Janvi	M6184

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 /Janvi	07/14/2022 / Janvi	M6185

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	01/28/2026	08/29/2025 / Sagar	08/08/2025 / Sagar	M6187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	H330-500 / HYDROXYLAMINE HYDROCHLORIDE ACS 500G	243373	02/03/2026	09/04/2025 / mohan	08/04/2025 / mohan	M6196

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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-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/10/2026	09/11/2025 / Sagar	08/25/2025 / Sagar	M6200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-2 / Laboratory Fortified Stock Solution 2, 125 ml	V2-MEB743480	10/15/2026	10/15/2025 /Janvi	07/20/2025 / janvi	M6201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-1 / Laboratory Fortified Stock Solution 1, 125 ml	V2-MEB752149	10/15/2026	10/15/2025 / Janvi	07/20/2025 / Janvi	M6209

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

ThermoFisher SCIENTIFIC

M5882 M3

Certificate of Analysis

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Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	T142	Quality Test / Release Date	08/17/2023
Lot Number	232820		
Description	STANNOUS CHLORIDE, DIHYDRATE CERTIFIED ACS (Suitable for Mercury Determination)		
Country of Origin	United States	Suggested Retest Date	Aug/2028
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear crystals
ASSAY	%	Inclusive Between 98 - 103	100.65
CALCIUM	%	<= 0.005	0.0017
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	%	<= 0.003	0.0011
LEAD (Pb)	%	<= 0.01	0.0006
MERCURY (Hg)	ppm	<= 0.05	<0.05
POTASSIUM (K)	%	<= 0.005	0.0001
SODIUM (Na)	%	<= 0.01	<0.01
SOLUBILITY IN HCL	PASS/FAIL	= PASS TEST	PASS TEST
SULFATE (SO4)	PASS/FAIL	= P.T. (ABOUT 0.003%)	P.T. (ABOUT 0.003%)

Harout Sahagian - Quality Control Supervisor - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

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M6032

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R 8/5/24

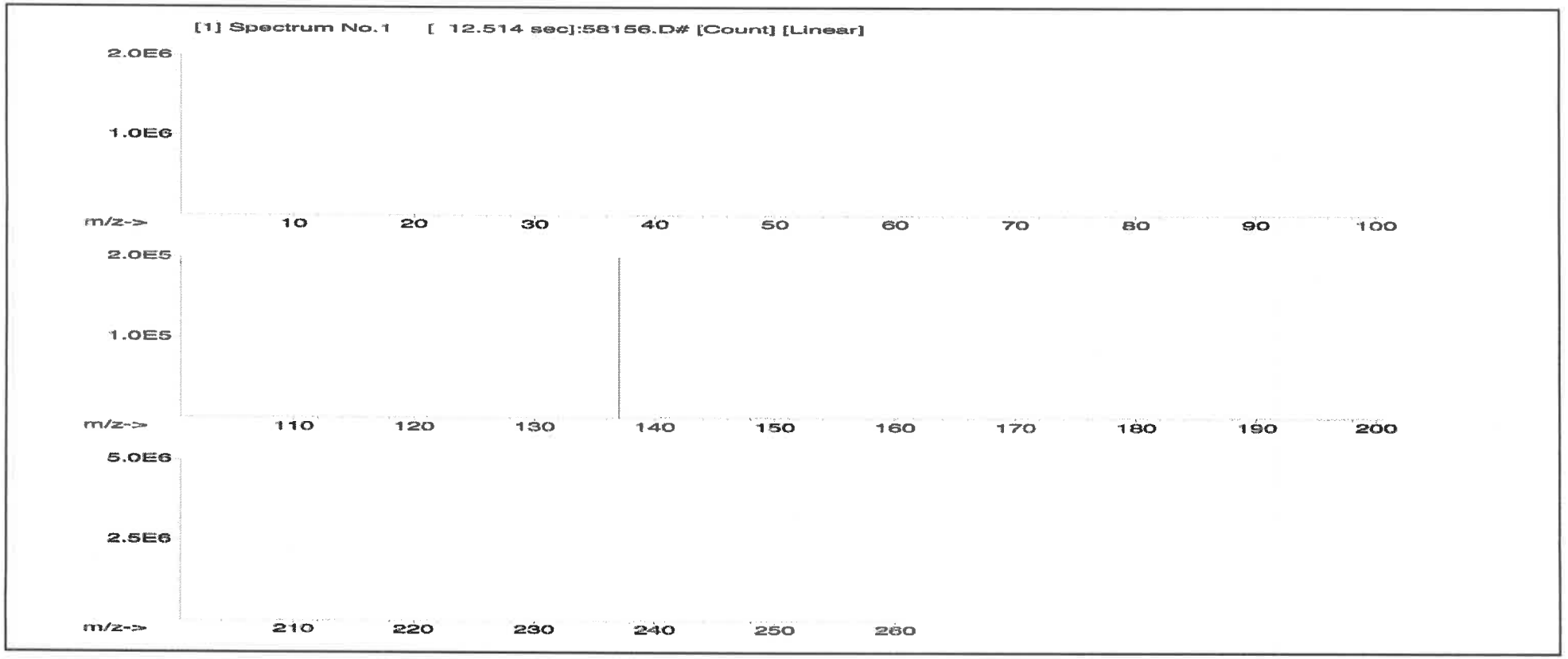
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Solvent:**	**Lot #** 24002546	Nitric Acid
Lot Number:	**010924**				
Description:	**Barium (Ba)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	010927				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	010924
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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Q3376-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	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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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

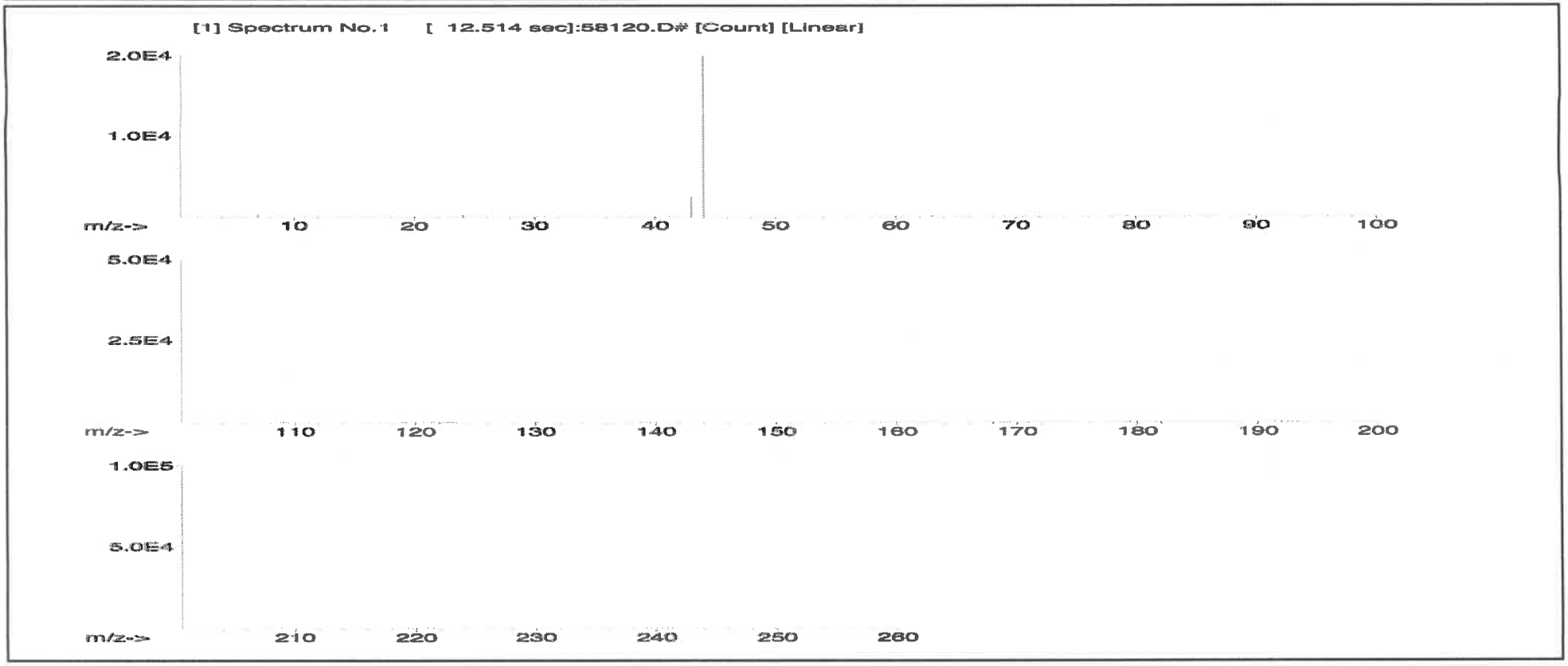
	Lot #		
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.15 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 082324

Pedro Rentas
Reviewed By: Pedro L. Rentas 082324

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD03203383	10000	99.999	0.10	39.9	100.2537	100.2656	**10001.2**	**20.0**	471-34-1	5 mg/m3	ori-rat >2000mg/kg	3109a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	30	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* 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: 57048
Lot Number: 070124
Description: Cadmium (Cd)

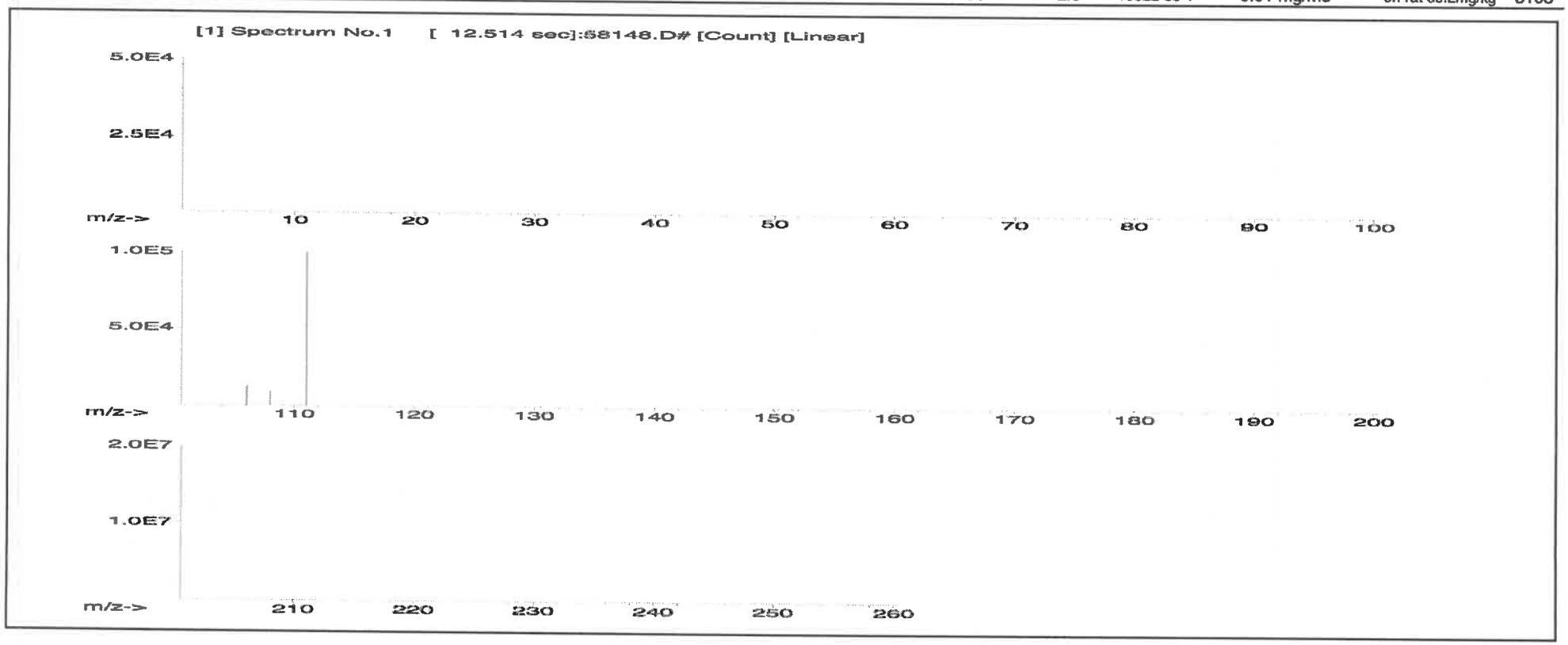
Expiration Date: 070127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

		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
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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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	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 8/5/24 M6025

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

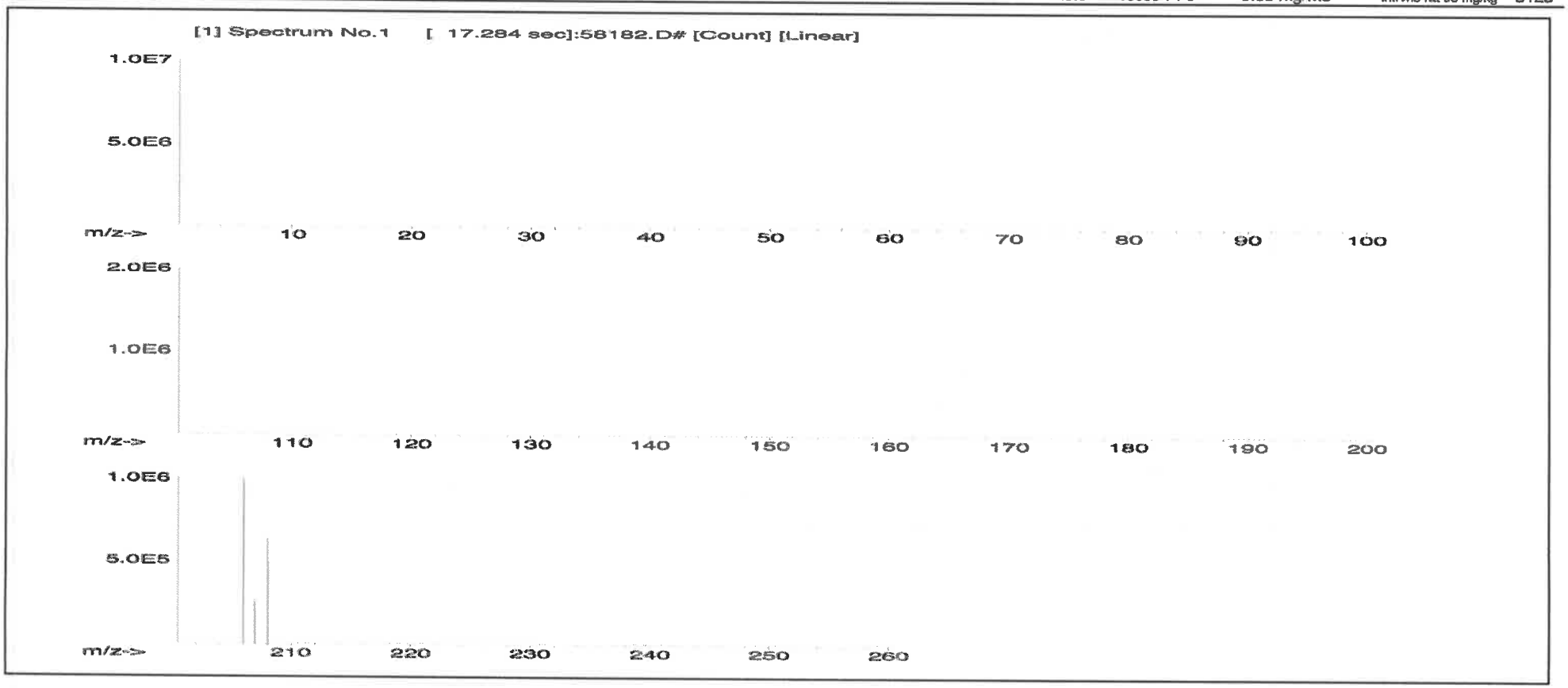
Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

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

	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



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	<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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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6026

R: 8/5/24

ANAB ISO 17034 Accredited
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

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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
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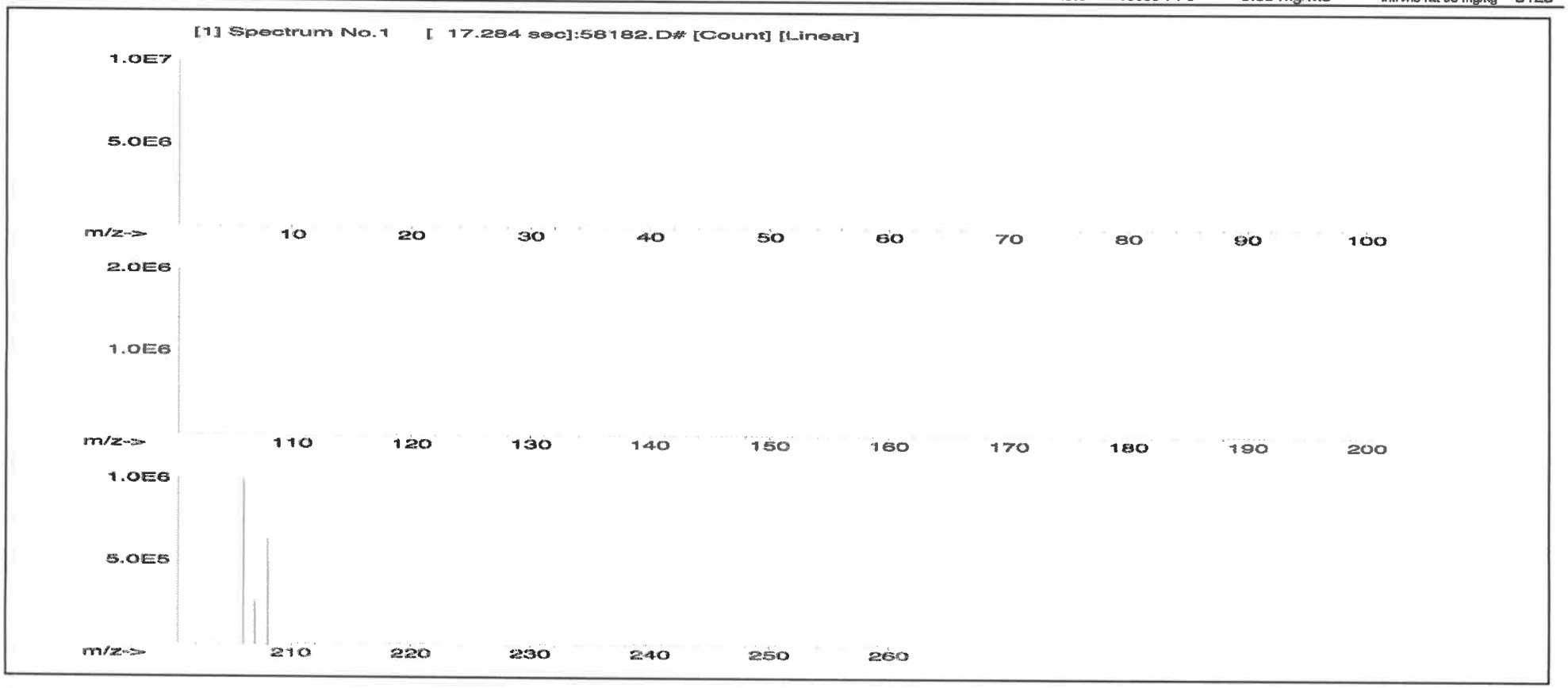

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	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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Potassium Permanganate
BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination

avantor™ | J.T.Baker®

M4397
Supplied – 07.17.19
Opened – 08.16.19
exp – 09.24.25

Material No.: 3227-05
Batch No.: 0000227540
Manufactured Date: 2018/09/26
Retest Date: 2025/09/24
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS - Assay ($KMnO_4$)	>= 99.0 %	99.0
ACS - Insoluble Matter	<= 0.2 %	< 0.1
ACS - Chloride and Chlorate (as Cl)	<= 0.005 %	0.005
ACS - Sulfate (SO_4)	<= 0.02 %	0.02
Trace Impurities - Mercury (Hg)	<= 0.050 ppm	0.004

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

RS
08.16.19

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

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

M5062
M5063
M3

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Mass Spec Solution
Catalog Number:	MSHG-10PPM
Lot Number:	S2-HG709270
Matrix:	10% (v/v) HCl
Value / Analyte(s):	10 µg/mL ea: Mercury
Starting Material:	Hg metal
Starting Material Lot#:	1959
Starting Material Purity:	99.9994%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10.001 ± 0.053 µg/mL

Density: 1.020 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
Hg	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \Sigma(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a)(u_{char\ a})$$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

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.

O	Ag		0.000011	M	Eu	<	0.000201	O	Na		0.000004	M	Se	<	0.015915	O	Zn	<	0.001510
O	Al		0.000001	O	Fe		0.000001	M	Nb	<	0.000201	O	Si		0.000005	M	Zr	<	0.000201
M	As	<	0.000402	M	Ga	<	0.000201	M	Nd	<	0.000201	M	Sm	<	0.000201				
M	Au	<	0.003631	M	Gd	<	0.000201	M	Ni	<	0.000402	M	Sn	<	0.001007				
M	B	<	0.001208	M	Ge	<	0.000201	M	Os	<	0.000605	M	Sr	<	0.000201				
M	Ba	<	0.000201	M	Hf	<	0.000201	O	P	<	0.032370	M	Ta	<	0.000201				
M	Be	<	0.000201	s	Hg	<		M	Pb	<	0.000201	M	Tb	<	0.000201				
M	Bi	<	0.000201	M	Ho	<	0.000201	M	Pd	<	0.000403	M	Te	<	0.002216				
O	Ca		0.000007	M	In	<	0.000201	M	Pr	<	0.000201	M	Th	<	0.000201				
M	Cd	<	0.000201	M	Ir	<	0.000201	M	Pt	<	0.000402	M	Ti	<	0.000402				
M	Ce	<	0.000201	O	K		0.000020	M	Rb	<	0.000201	O	Tl	<	0.016508				
M	Co	<	0.000201	M	La	<	0.000201	M	Re	<	0.000201	M	Tm	<	0.000201				
O	Cr	<	0.003021	O	Li	<	0.000107	M	Rh	<	0.000201	M	U	<	0.008058				
M	Cs	<	0.001208	M	Lu	<	0.000201	M	Ru	<	0.000201	M	V	<	0.000201				
M	Cu	<	0.000402	O	Mg		0.000001	O	S	<	0.053950	M	W	<	0.000604				
M	Dy	<	0.000201	M	Mn	<	0.000604	M	Sb	<	0.001208	M	Y	<	0.000201				
M	Er	<	0.000201	M	Mo		0.000009	M	Sc	<	0.000201	M	Yb	<	0.000201				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 200.59 +2 4 Hg(OH)(aq) 1+

Chemical Compatibility - Stable in HNO_3. Avoid basic media forming insoluble carbonate. The sulfide, basic carbonate, oxalate, phosphate, arsenite, arsenate and iodide are insoluble in water.

Stability - 2-100 ppb levels not stable in 1% HNO_3 / LDPE container, stable in 10% HNO_3 packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO_3 packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO_3 / LDPE container.

Hg Containing Samples (Preparation and Solution) - Metal (soluble in HNO_3); Oxide (Soluble in HNO_3); Ores and Organic based (The literature has more references to the preparation of Hg containing samples than any other element. Please consult the literature for your specific sample type, since such preparations are prone to error. Or e-mail our technical staff and we will contact you to discuss your particular sample preparation questions in further detail.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 202 amu	9 ppt	n/a	186W16O
ICP-OES 184.950 nm	0.03 / 0.005 µg/mL	1	
ICP-OES 194.227 nm	0.03 / 0.005 µg/mL	1	V
ICP-OES 253.652 nm	0.1 / 0.03 µg/mL	1	Ta, Co, Th ,Rh , Fe, U

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 22, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 22, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5467 R: 03/01/23 (LA)

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57058
Lot Number: 020623
Description: Cerium (Ce)

Expiration Date: 020626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

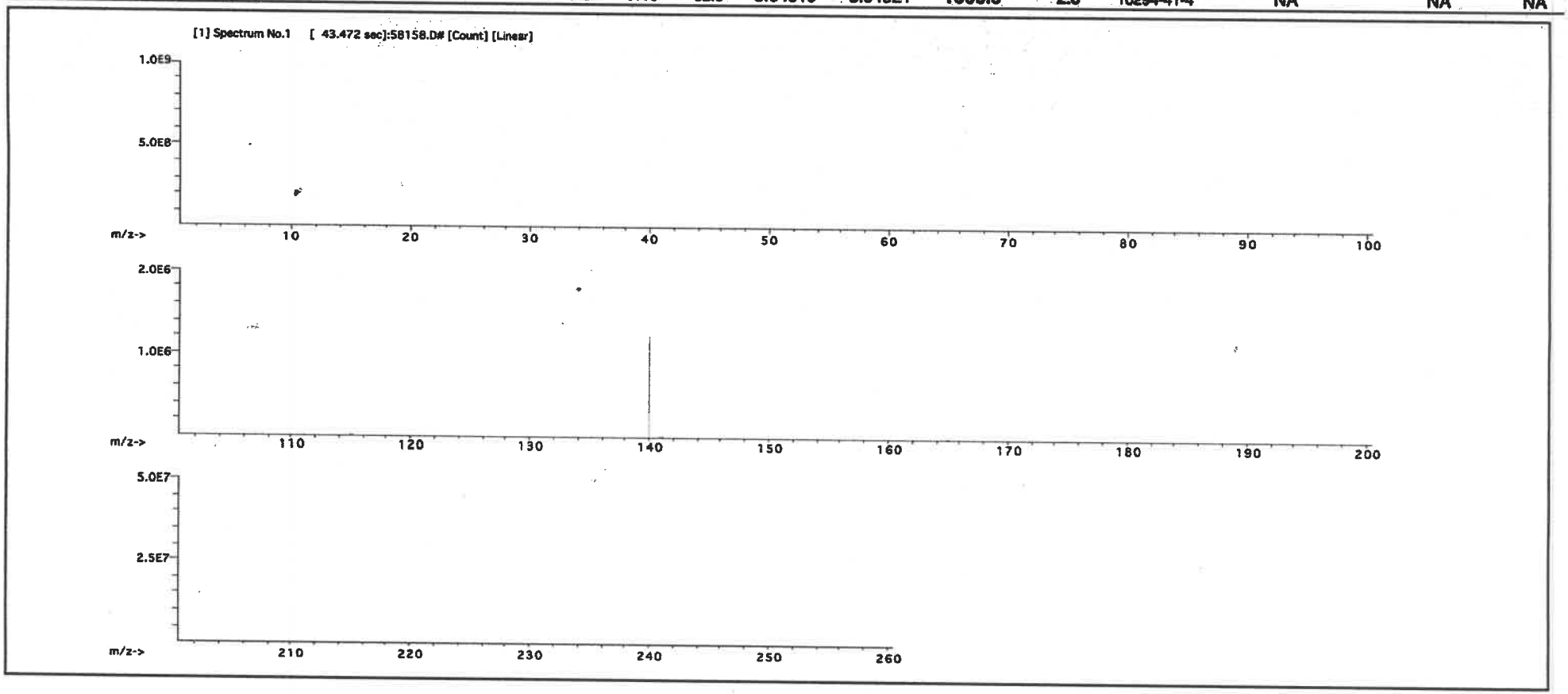
Weight shown below was diluted to (mL): 1000.12 0.058 Flask Uncertainty

		Lot #	
Solvent:	21110221	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	020623
Reviewed By:	Pedro L. Rentas	020623

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. Cerium nitrate hexahydrate (Ce)	IN146	Z512CEB1	1000	99.999	0.10	32.8	3.04919	3.04921	1000.0	2.0	10294-41-4	NA	NA	NA



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	T	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).

JENSEN INERT PRODUCTS

MATERIAL CERTIFICATE OF COMPLIANCE

DATE: JUNE 12, 2023

CUSTOMER:	PCI SCIENTIFIC SUPPLY, INC
PURCHASE ORDER NO.	6054931
CATALOG NO.	BOI5021-450L
PRODUCT DESCRIPTION:	BOILING STONES, TFE, 454GMS
QUANTITY:	10 EACH
LOT NO.	W126678
SPECIFICATION (S):	Made from Virgin PTFE Resin

We certify that we have complied with the terms and conditions of the above Purchase Order and the Part Specifications in the manufacturing of the above product.

Laura Valencia

Laura Valencia
Quality Assurance Inspector

F:U:J:CF:PCISCI:COC-55114-BOI5021-061223

3773 NW 126th Avenue • Coral Springs, Florida 33065 • Fax (954) 344-2008 • 1-800 446-3781
Email: jensen@jenseninert.com Visit our Web Site at www.jenseninert.com

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MATERIAL CERTIFICATE OF COMPLIANCE

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CATALOG NO.	BOI5021-450L
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We certify that we have complied with the terms and conditions of the above Purchase Order and the Part Specifications in the manufacturing of the above product.

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Quality Assurance Inspector

F:U:J:CF:PCISCI:COC-55114-BOI5021-061223

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Email: jensen@jenseninert.com Visit our Web Site at www.jenseninert.com

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Certified Reference Material CRM

M5658 R ! 8/25/23

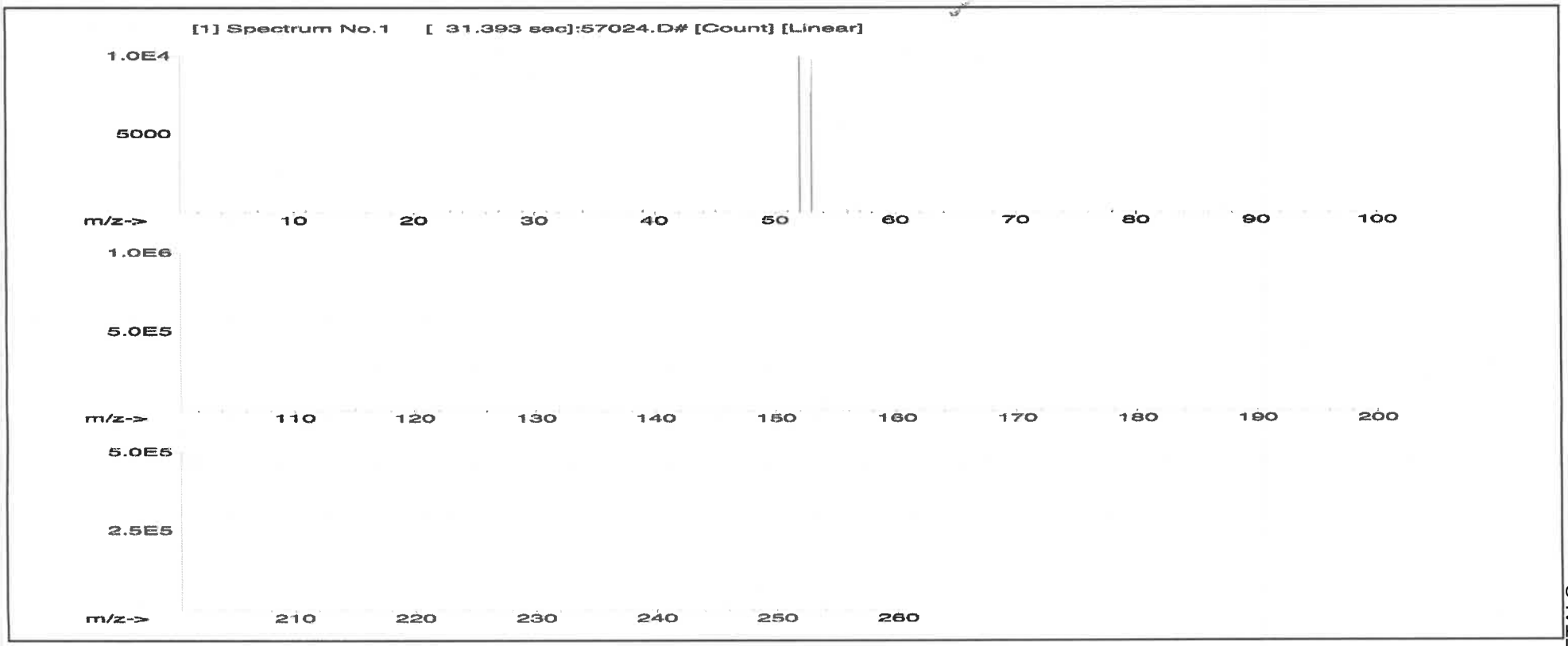
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



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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.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Certified Reference Material CRM

M5697 R: 10/27/23

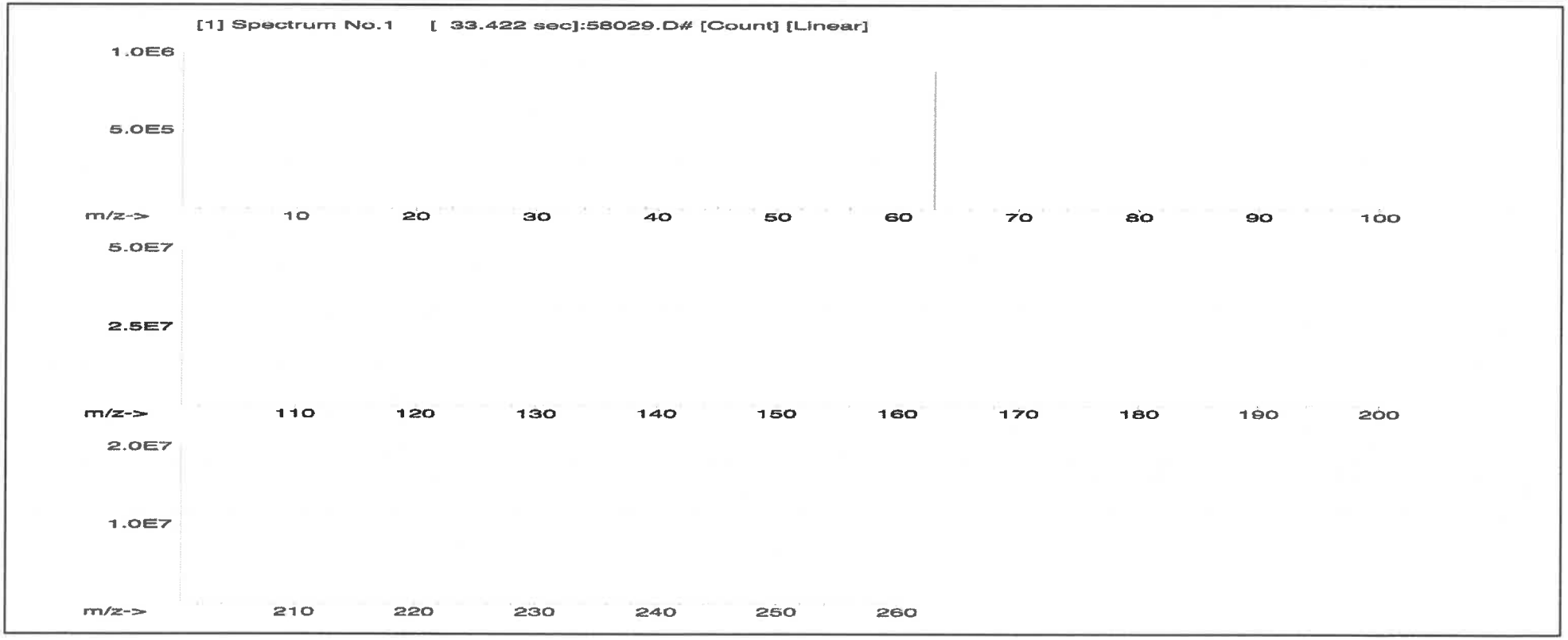
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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Certified Reference Material CRM

R: 12/20/23 M5748

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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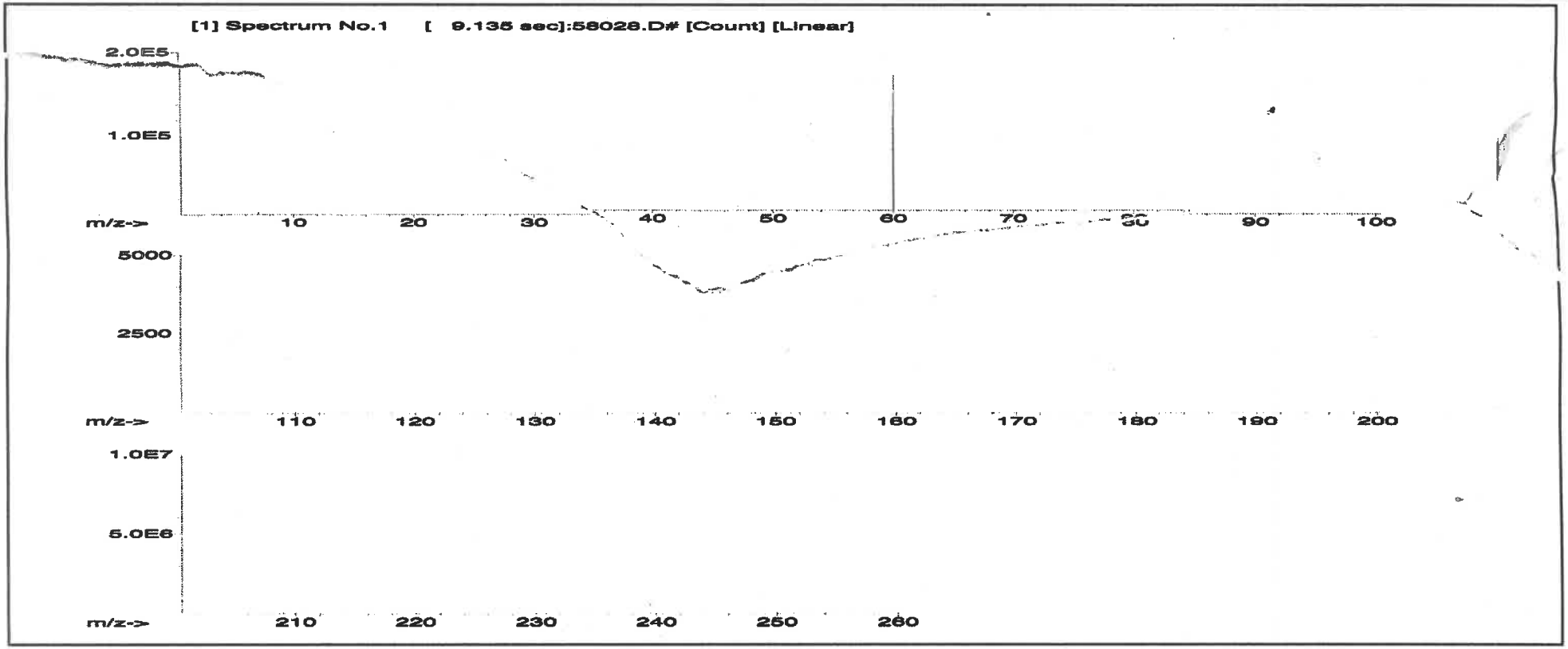
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57028**	24002546	Nitric Acid	
Lot Number:	**091223**			
Description:	**Nickel (Ni)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	091226			
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	091223
Reviewed By:	Pedro L. Rentas	091223

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 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	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
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Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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Certified Reference Material CRM

R: 02/09/24 M5798

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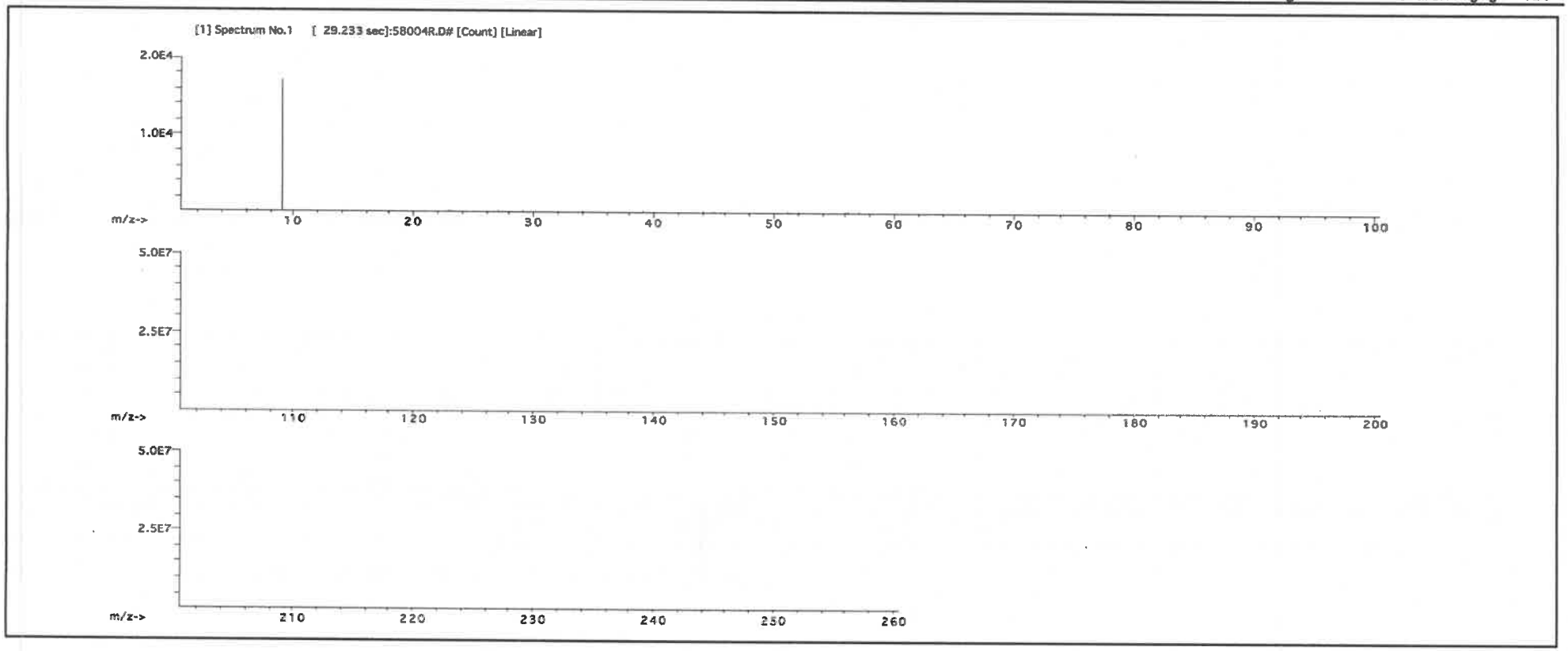
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57004**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Q33756-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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* 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: 57050
Lot Number: 071123
Description: Tin (Sn)

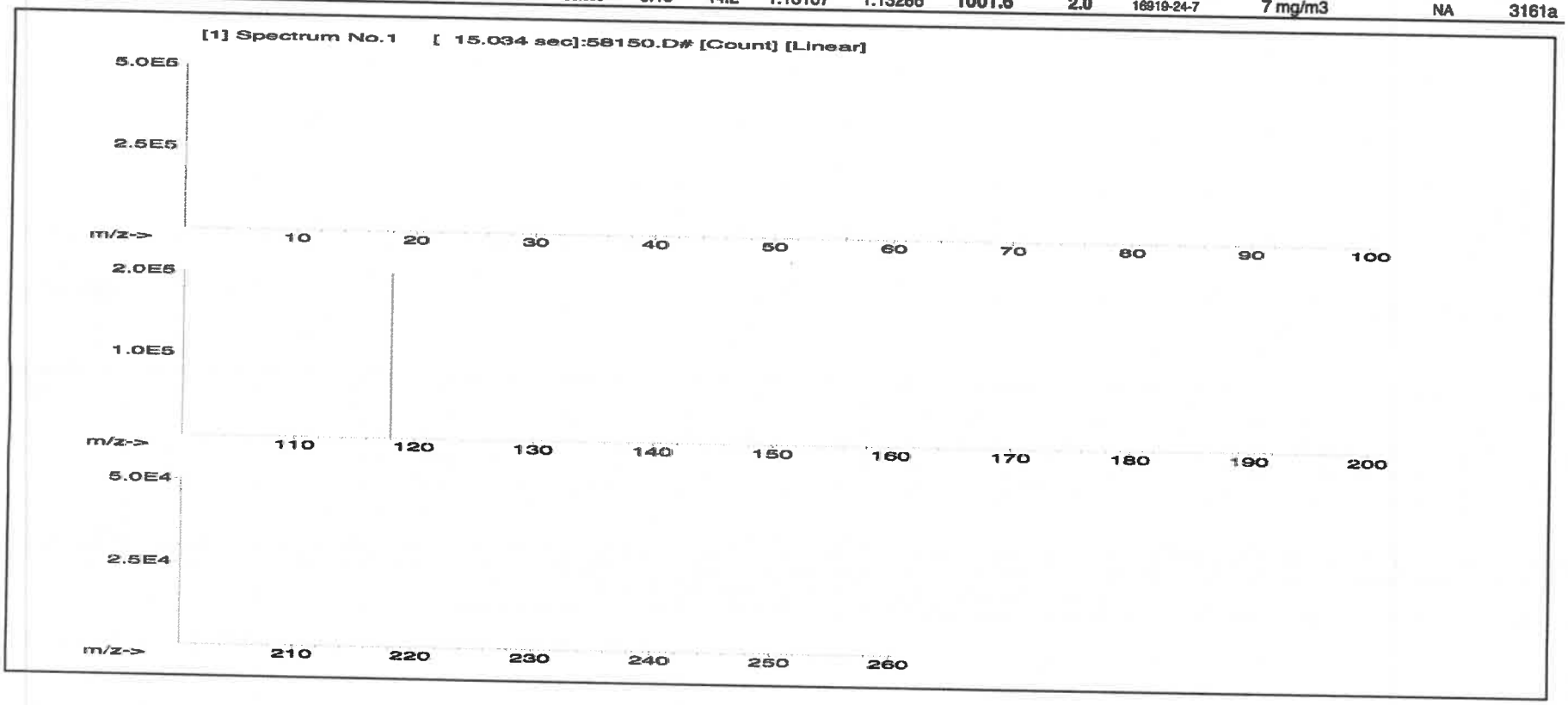
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	Lot #	
Solvents:	21110221	Nitric Acid
	22D0562008	Hydrochloric acid
2%	10.0	Nitric Acid
6%	30.0	Hydrochloric acid
	(mL)	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorostannate(IV) (Sn)	IN010	SND042023A1	1000	99.999	0.10	44.2	1.13107	1.13286	**1001.6**	**2.0**	16919-24-7	7 mg/m3	NA	3161a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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* 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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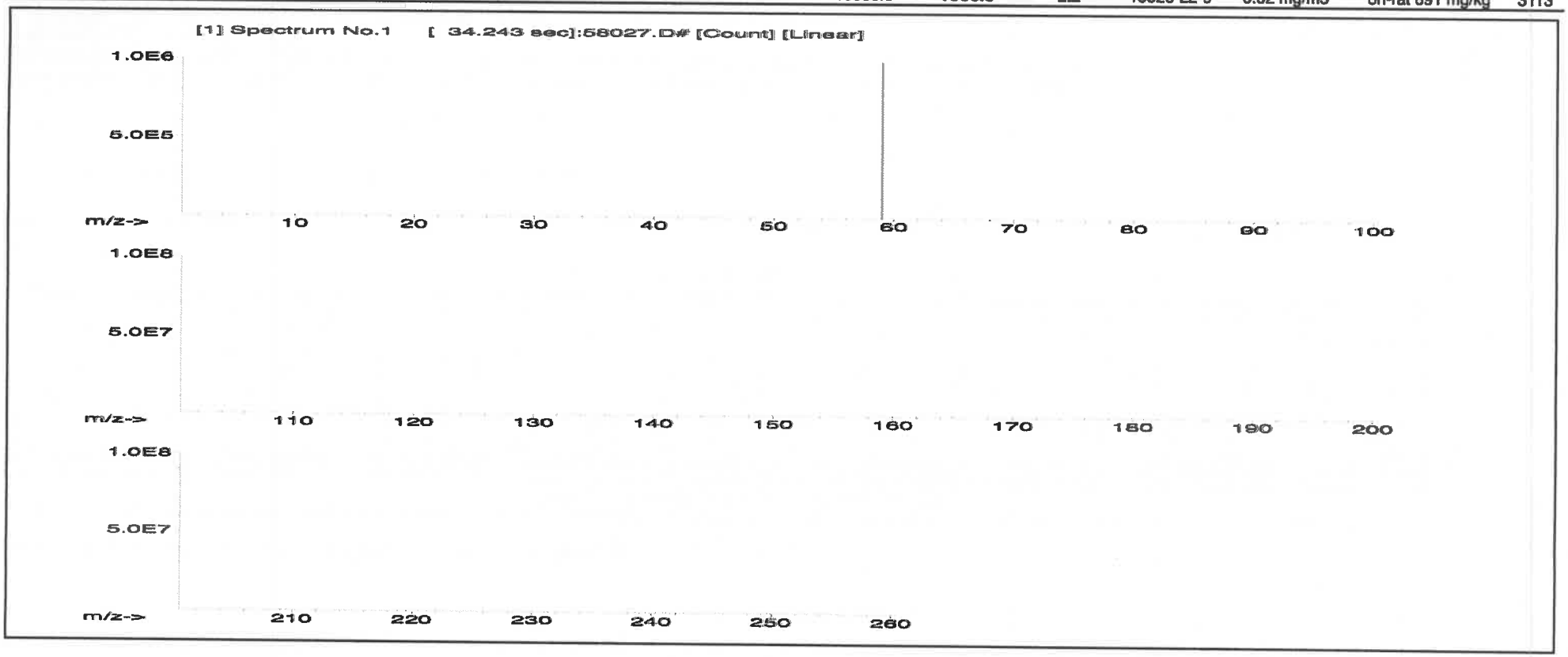
CERTIFIED WEIGHT REPORT:

		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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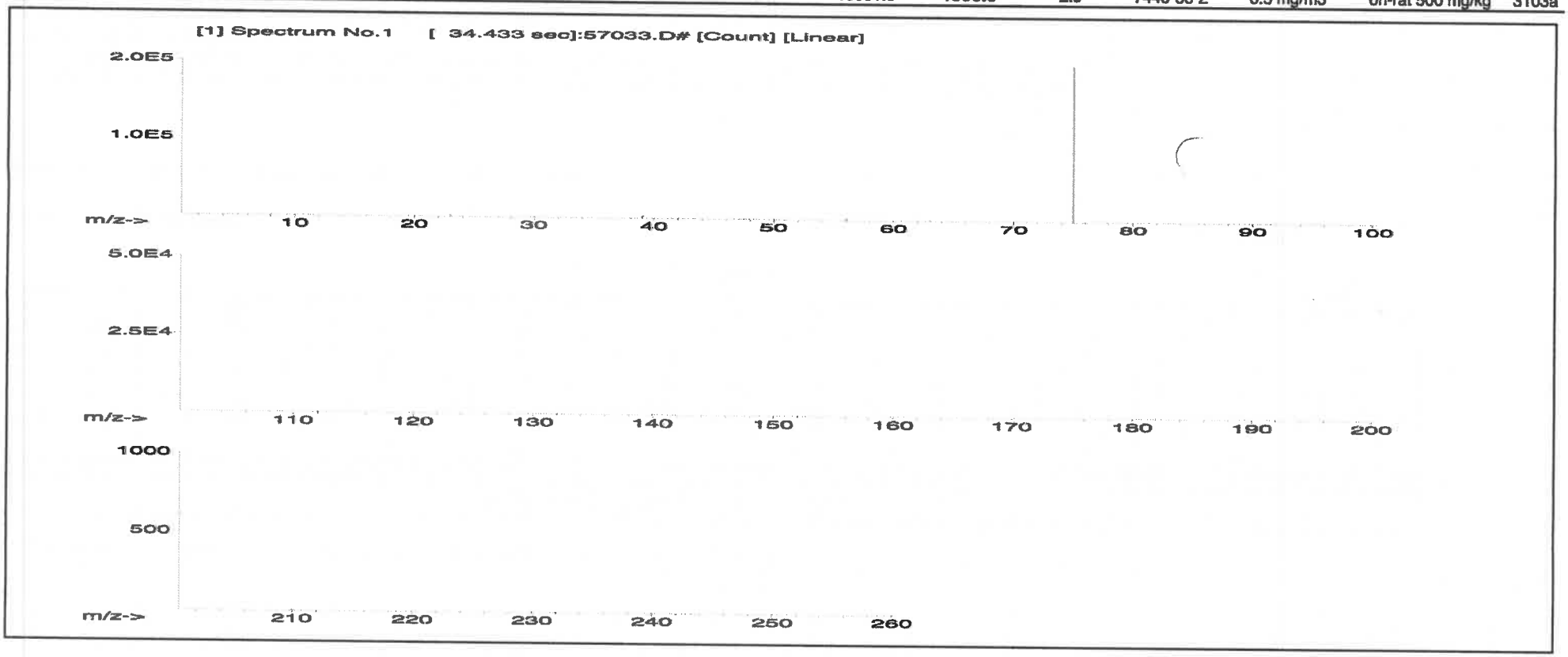
CERTIFIED **WEIGHT** REPORT:

		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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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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A: 02/09/24 M.5814

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CERTIFIED WEIGHT REPORT:

Part Number: 57005
Lot Number: 071123
Description: Boron (B)

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

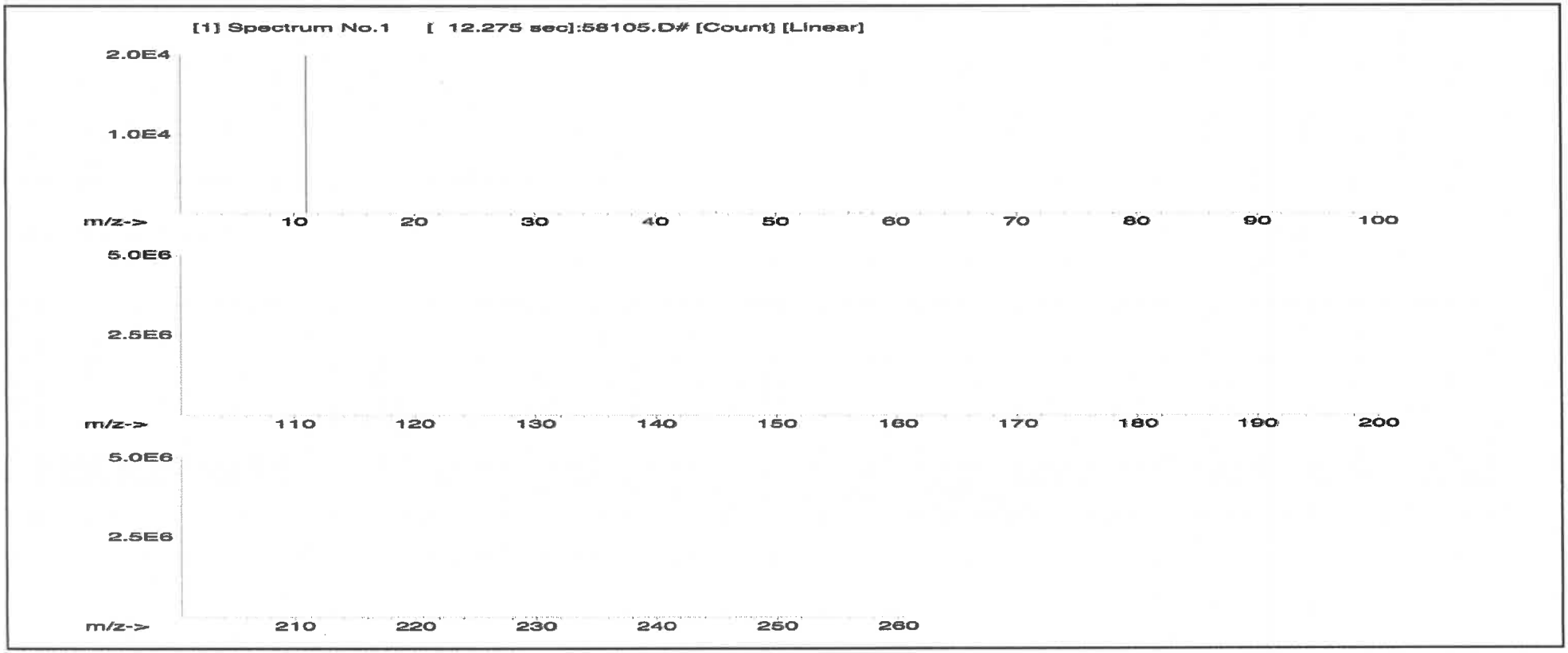
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

	Lot #		
Solvent:	MKBQ8597V	Ammonium hydroxide	
	2.0%	40.0 (mL)	Ammonium hydroxide
	5E-05	Balance 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. Boric acid (B)	IN018	BV092016A1	1000	99.9999	0.10	17.3	11.55772	11.56201	**1000.4**	**2.0**	10043-35-3	2 mg/m3	orl-rat 2660 mg/kg	3107



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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	<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	T	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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R1 02/09/24. M58165

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CERTIFIED WEIGHT REPORT:

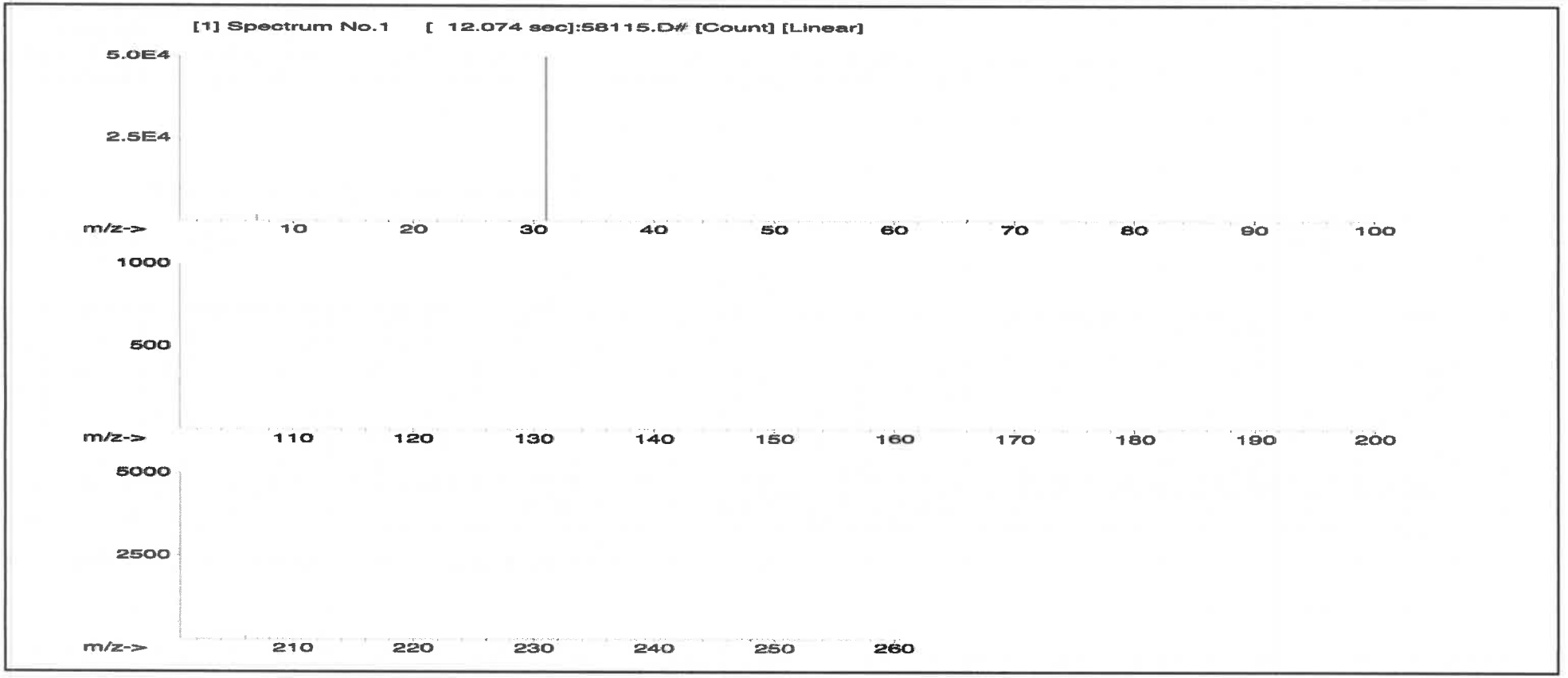
Part Number: 57115
Lot Number: 041723
Description: Phosphorous (P)

Expiration Date: 041726
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

R: 02/09/24 M5817

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CERTIFIED WEIGHT REPORT:

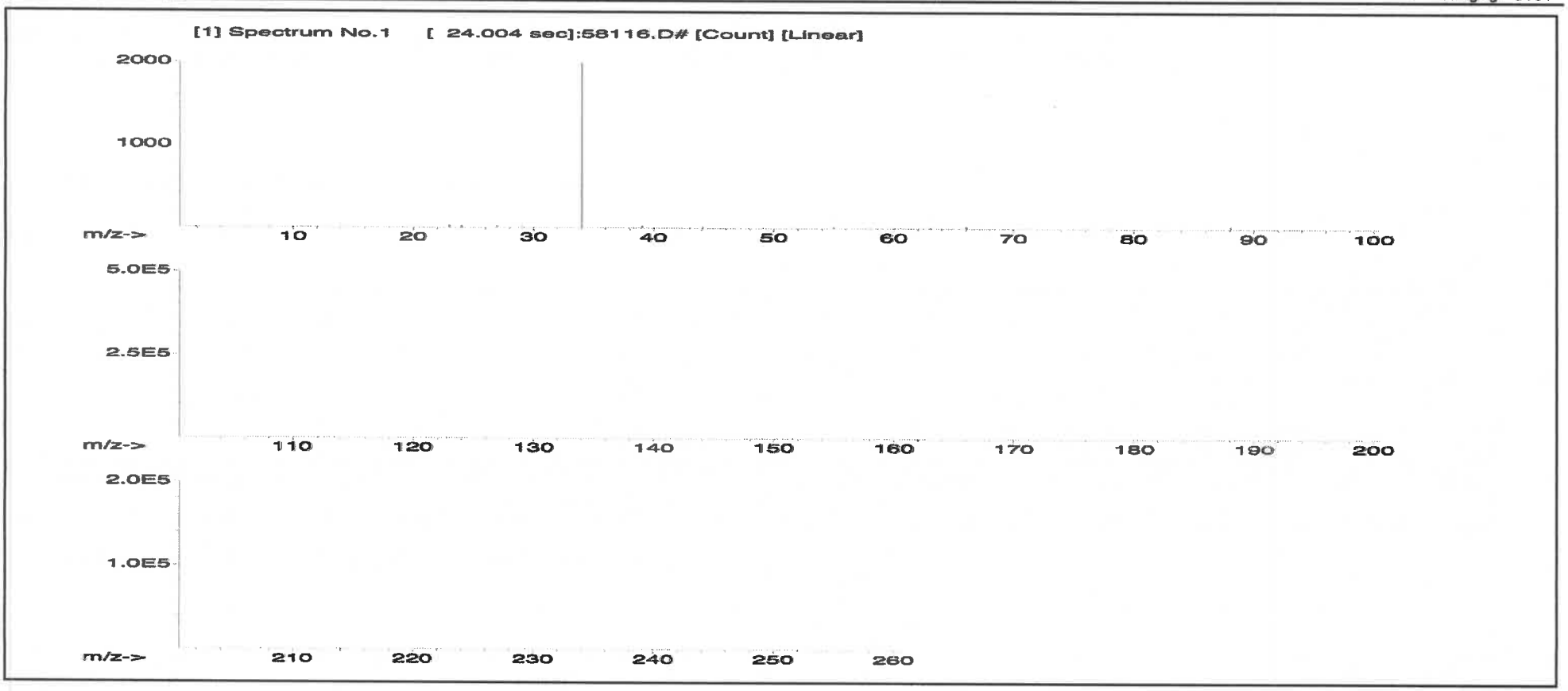
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty 5E-05 Balance 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:

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Certified by:

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Certified Reference Material CRM

R: 02/09/24 M5820

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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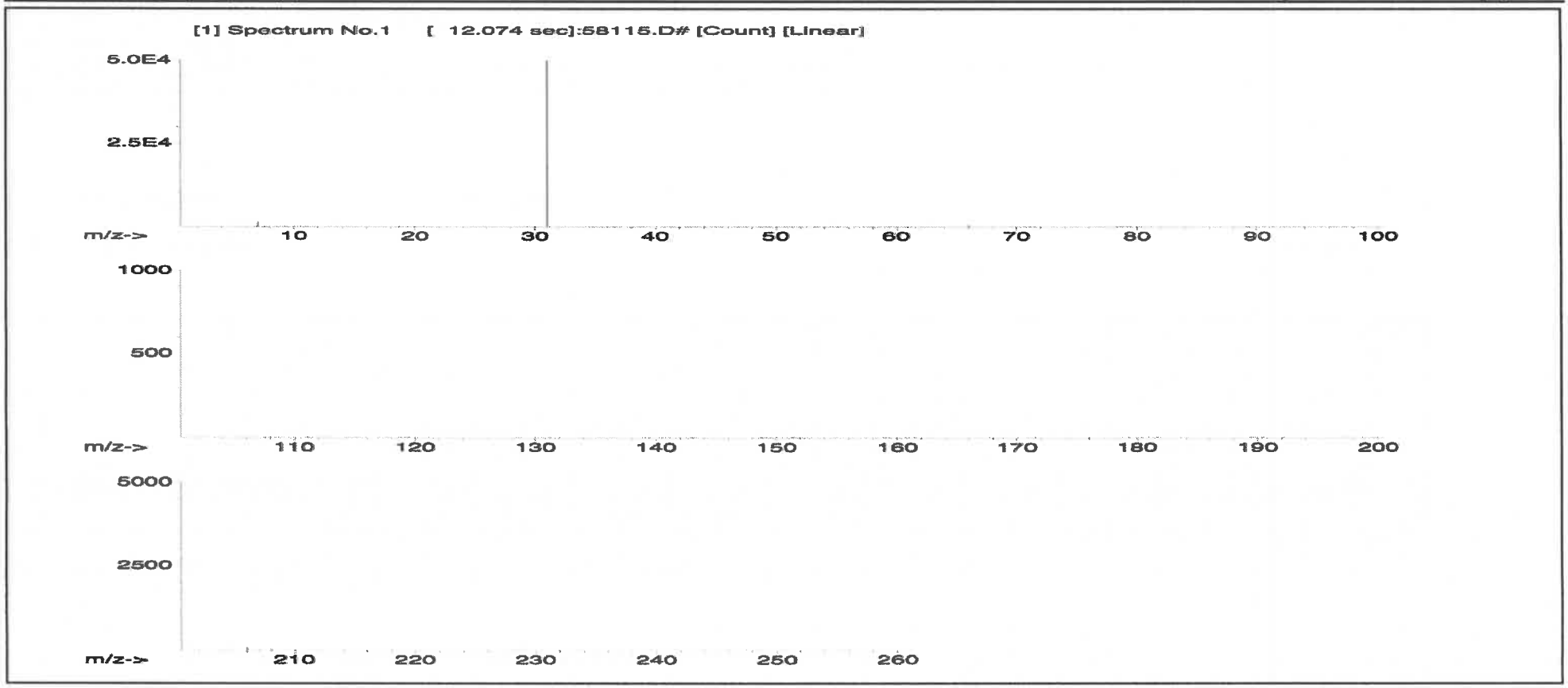
CERTIFIED WEIGHT REPORT:

Part Number:	**57015**		**Lot #**		
Lot Number:	**091123**	**Solvent:**	24002546	Nitric Acid	
Description:	**Phosphorous (P)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	091126				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091123
Reviewed By:	Pedro L. Rentas	091123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	1000	99.999	0.10	27.5	7.2729	7.2730	**1000.0**	**2.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/k	3186



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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	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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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

M5962 R! 06/14/24.

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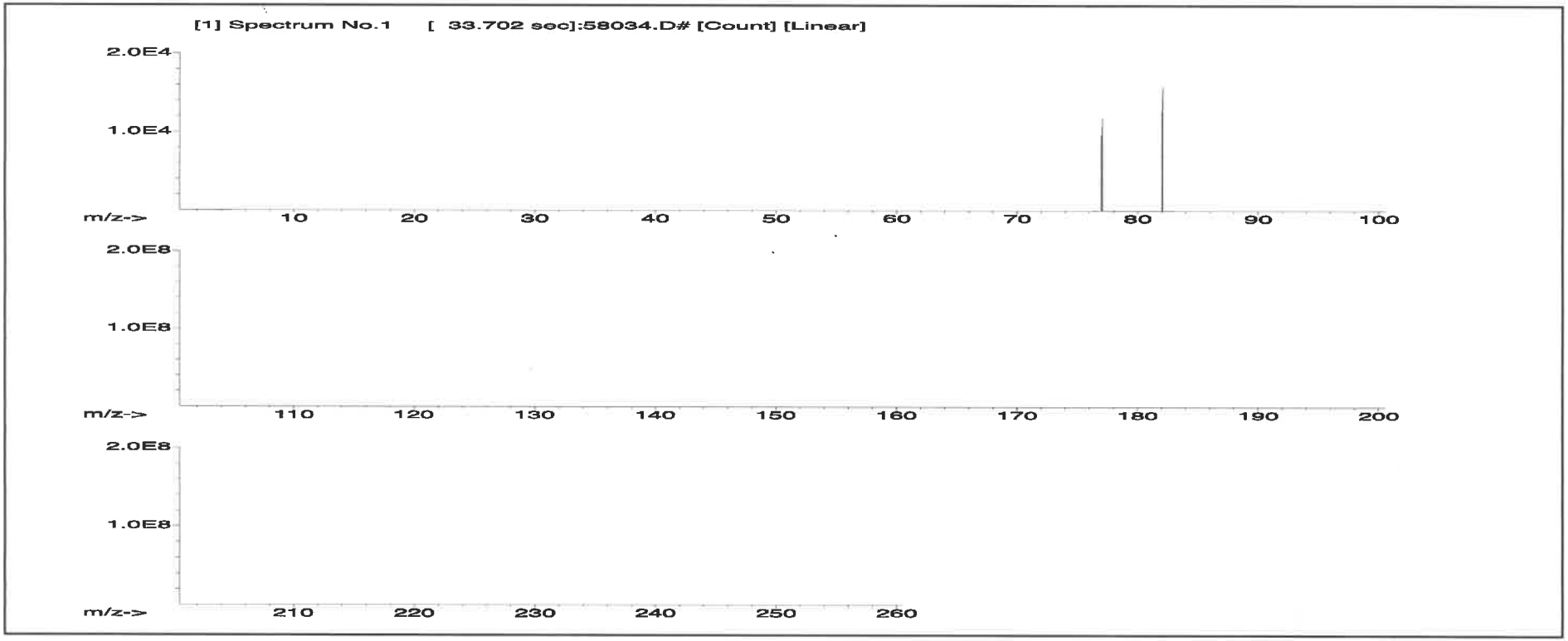
CERTIFIED WEIGHT REPORT:

		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:

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Certified by:

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M5969 R: 06/11/24

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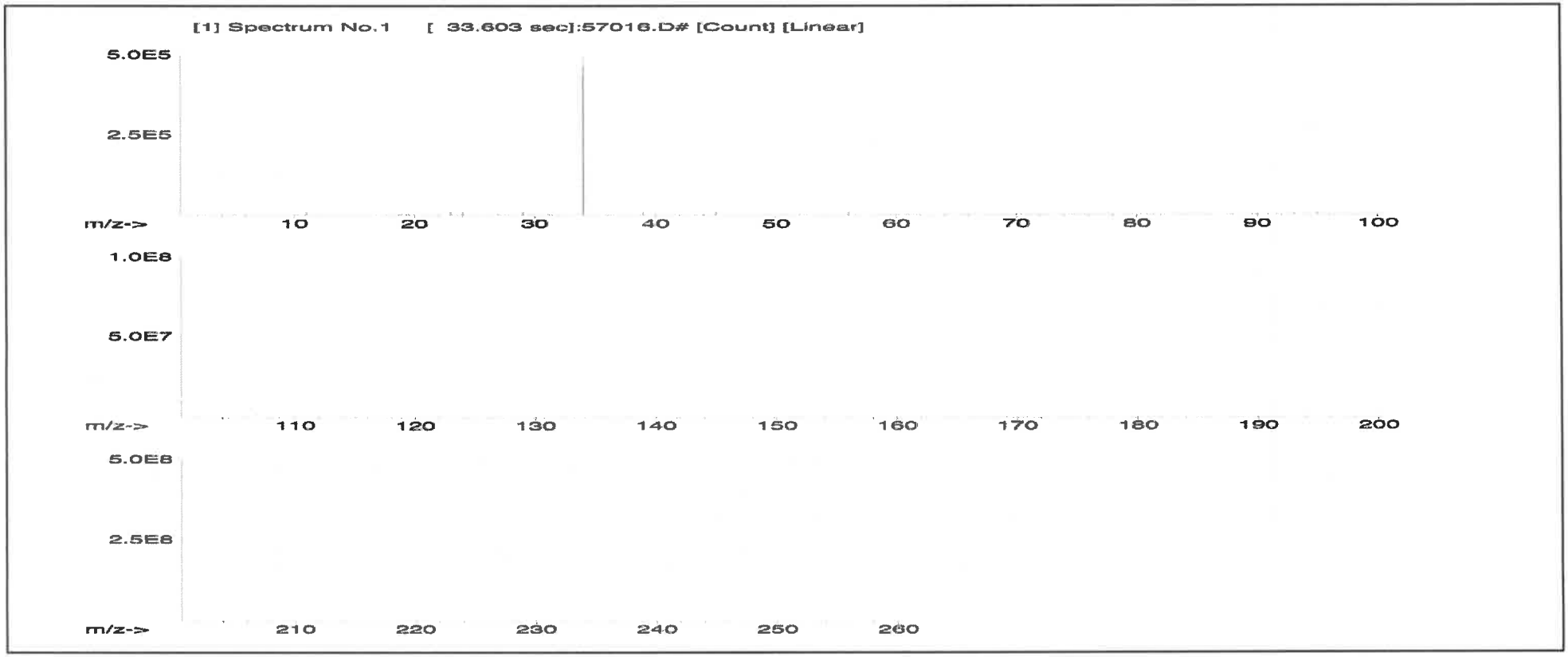
CERTIFIED WEIGHT REPORT:

Part Number:	**57016**		**Lot #**	
Lot Number:	**122923**	**Solvent:**	122923	ASTM Type 1 Water
Description:	**Sulfur (S)**			
Expiration Date:	122926			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty	

Formulated By:	Benson Chan	122923
Reviewed By:	Pedro L. Rentas	122923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	1000	99.9	0.10	24.3	16.4979	16.4980	**1000.0**	**2.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



Q3376-METALS

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Certified Reference Material CRM

M5970, M5971 R: 7/01/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

Part Number: 57003
Lot Number: 062124
Description: Lithium (Li)
Expiration Date: 062127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 250.11

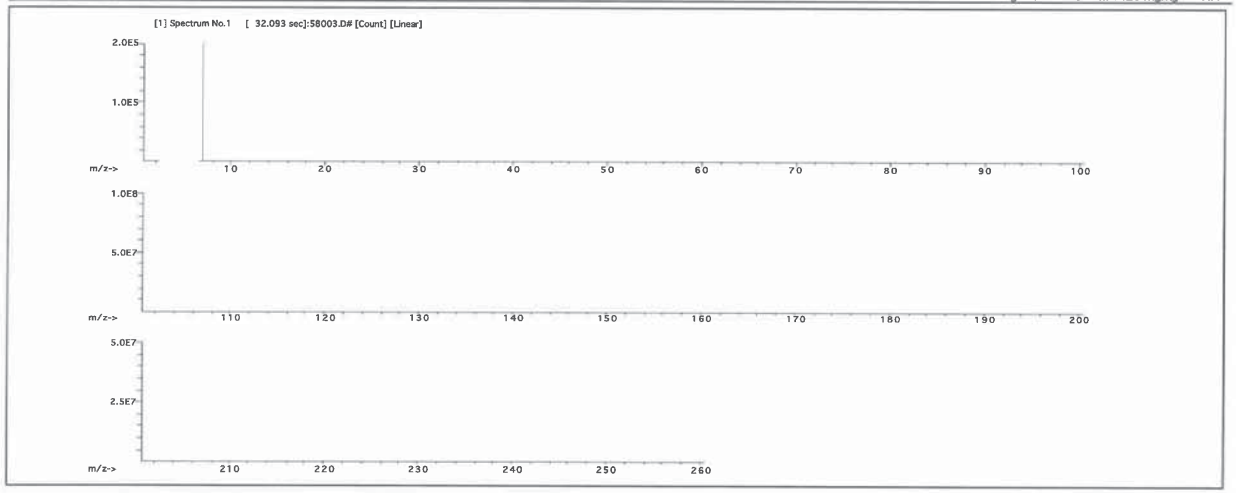
Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	5.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.016 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 062124

Pedro Rentas
Reviewed By: Pedro L. Rentas 062124

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. Lithium nitrate (Li)	58103	070622	0.1000	25.0	0.004	1000	10000.4	**1000.0**	**2.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	T	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
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Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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Certified by:

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inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

R: 2/22/24

Certificate of Analysis

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 865.01 — ACCREDITED Reference Material Producer Certificate 865.02

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 TI Metal
Starting Material:	
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, $X_{CRM/MM}$, 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)

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

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

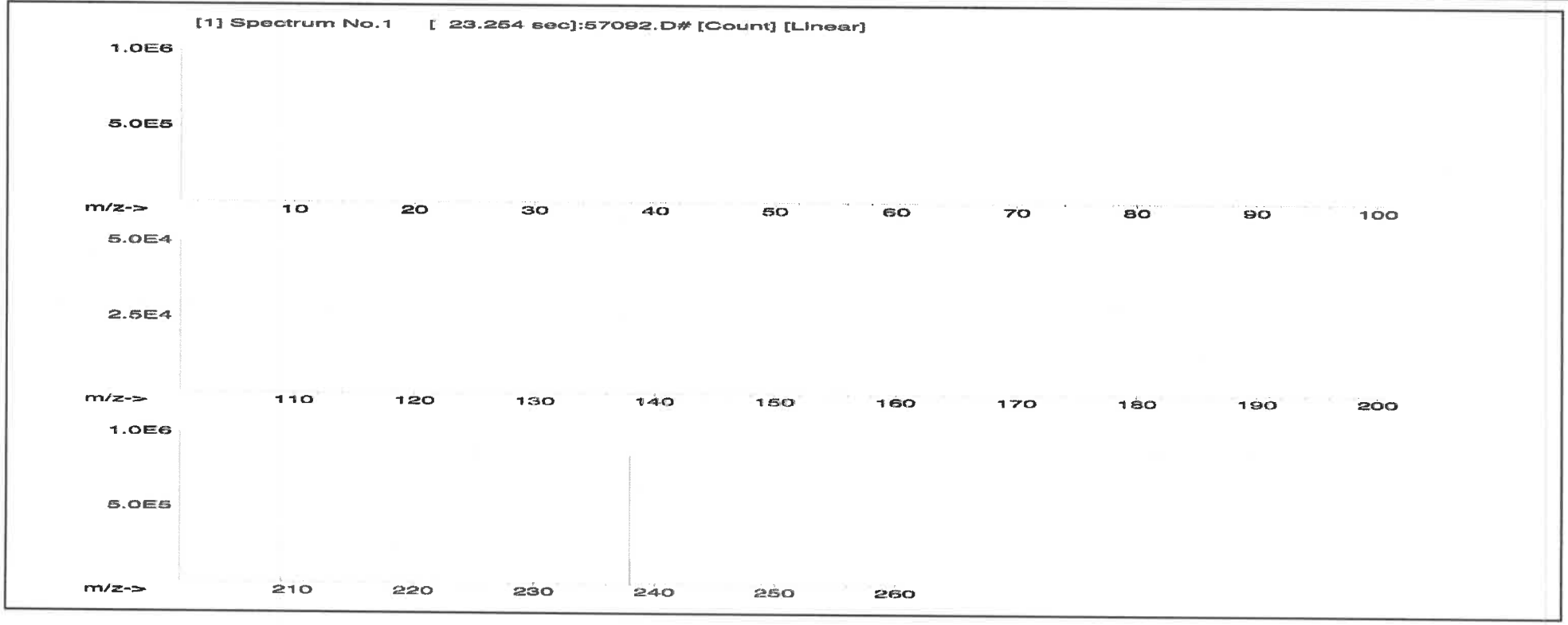
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



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	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).

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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

MS985
R: 6/14/24

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 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGIN10
Lot Number:	U2-IN729349
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Indium
Starting Material:	Indium Metal
Starting Material Lot#:	2511
Starting Material Purity:	99.9995%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10022 ± 30 µg/mL

Density: 1.044 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10021 ± 56 µg/mL** ICP Assay NIST SRM 3124a Lot Number: 110516
Assay Method #2	**10035 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #3	**10001 ± 33 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	<	0.000760	M	Eu	<	0.000760	O	Na		0.012771	M	Se	<	0.023000	M	Zn	<	0.006100
M	Al		0.003385	O	Fe		0.004462	M	Nb	<	0.000760	O	Si		0.024619	M	Zr	<	0.000760
M	As	<	0.004600	M	Ga	<	0.000760	M	Nd	<	0.000760	M	Sm	<	0.000760				
M	Au	<	0.002300	M	Gd	<	0.000760	O	Ni	<	0.005100	M	Sn	<	0.000760				
O	B		0.003692	M	Ge	<	0.001600	M	Os	<	0.000760	O	Sr	<	0.000610				
M	Ba	<	0.001600	M	Hf	<	0.000760	n	P	<		M	Ta	<	0.000760				
O	Be	<	0.000130	M	Hg	<	0.003100	M	Pb		0.001400	M	Tb	<	0.000760				
M	Bi	<	0.000760	M	Ho	<	0.000760	M	Pd	<	0.001600	M	Te	<	0.000760				
O	Ca		0.004616	s	In	<		M	Pr	<	0.000760	M	Th	<	0.000760				
M	Cd	<	0.000760	M	Ir	<	0.000760	M	Pt	<	0.000760	O	Ti	<	0.001100				
M	Ce	<	0.000760	O	K		0.007078	M	Rb	<	0.000760	M	Tl	<	0.000760				
M	Co	<	0.000760	M	La	<	0.000760	M	Re	<	0.000760	M	Tm	<	0.000760				
O	Cr	<	0.001300	O	Li	<	0.000130	M	Rh	<	0.000760	M	U	<	0.000760				
M	Cs	<	0.000760	M	Lu	<	0.000760	M	Ru	<	0.000760	M	V	<	0.001600				
M	Cu	<	0.003800	O	Mg		0.000707	n	S	<		M	W	<	0.001600				
M	Dy	<	0.000760	O	Mn		0.000149	M	Sb	<	0.000760	M	Y	<	0.000760				
M	Er	<	0.000760	M	Mo	<	0.002300	M	Sc	<	0.000760	M	Yb	<	0.000760				

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 - 114.82 +3 6 In(H2O)6+3

Chemical Compatibility -Soluble in HCl, HNO3, and H2SO4. Avoid neutral and basic media. Stable with most metals and inorganic anions. The oxalate, sulfide, carbonate, hydroxide and phosphate are insoluble in water.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

In Containing Samples (Preparation and Solution) -Metal (Best dissolved in HCl / HNO3); Oxide (Soluble in mineral acids); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric/peroxide digestion or 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 115 amu	1 ppt	n/a	115Sn, 99Ru16O
ICP-OES 158.583 nm	0.05 / 0.002 µg/mL	1	
ICP-OES 230.606 nm	0.1 / 0.03 µg/mL	1	Ni, Os
ICP-OES 325.609 nm	0.2 / 0.05 µg/mL	1	Mn, Mo, Th

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

February 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

- February 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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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

R: 2/22/24
MS-997

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-3
Lot Number:	T2-MEB727800
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 500 µg/mL ea: Cadmium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	1 000 ± 7 µg/mL	Cadmium, Cd	500.0 ± 2.2 µg/mL
Lead, Pb	1 000 ± 4 µg/mL	Selenium, Se	1 000 ± 6 µg/mL
Thallium, Tl	1 000 ± 7 µg/mL		

Density: 1.042 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i}^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

December 21, 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

- December 21, 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

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Certificate of Analysis

R 18/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

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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:	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

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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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300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

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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:	CHEM-CLP-4
Lot Number:	V2-MEB746172
Matrix:	3% (v/v) HNO3 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

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$X_{CRM/RM} = \Sigma(w_i)(X_i)$

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.

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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.

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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"

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- 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

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300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

EXP.: 9/6/2029

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:	CHEM-CLP-4
Lot Number:	V2-MEB746762
Matrix:	3% (v/v) HNO3 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: 1.033 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 (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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**

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

September 06, 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

- September 06, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6079 R: 9/30/24

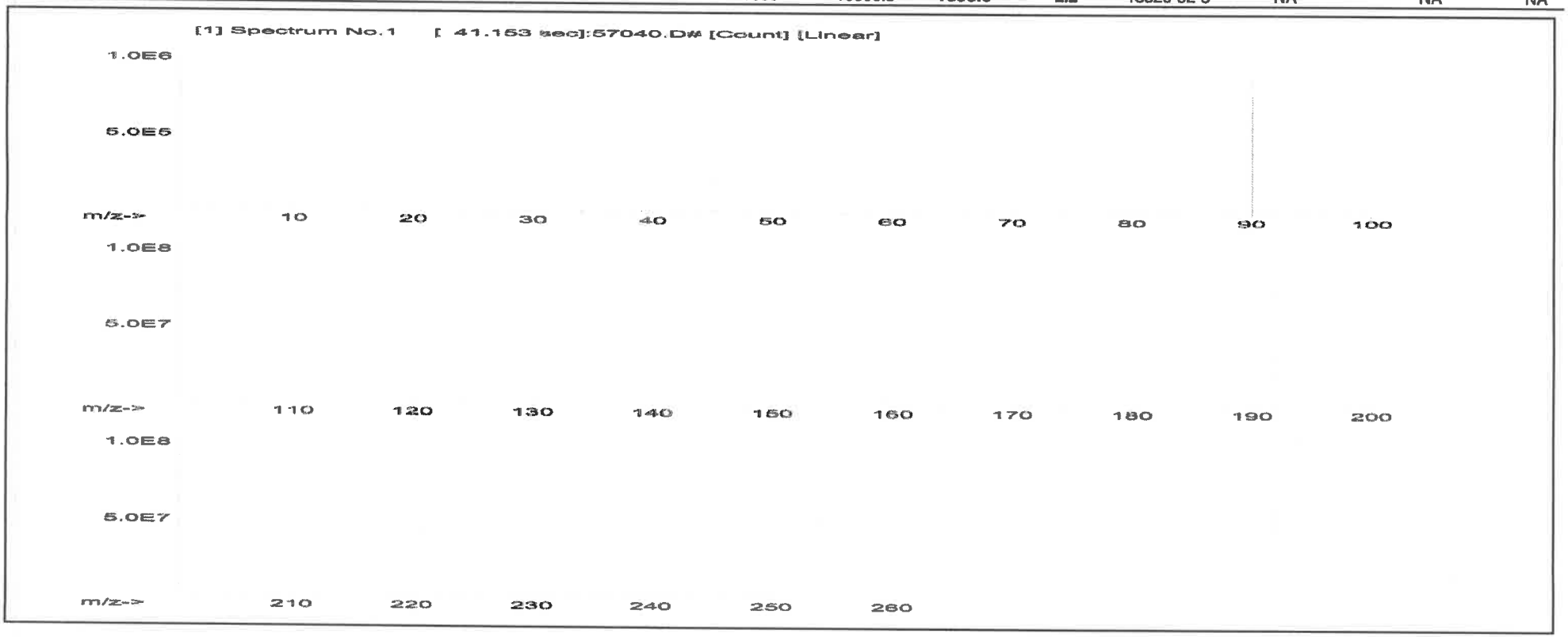
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57040**	21110221	Nitric Acid		
Lot Number:	**071423**				
Description:	**Zirconium (Zr)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	071426				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	071423
Reviewed By:	Pedro L. Rentas	071423

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	13520-92-8	NA	NA	NA



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
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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:

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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www.absolutestandards.com

Certified Reference Material CRM

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

R->1/13/25
M6128

Part Number: 58025
Lot Number: 101124
Description: Manganese (Mn)
Expiration Date: 101127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

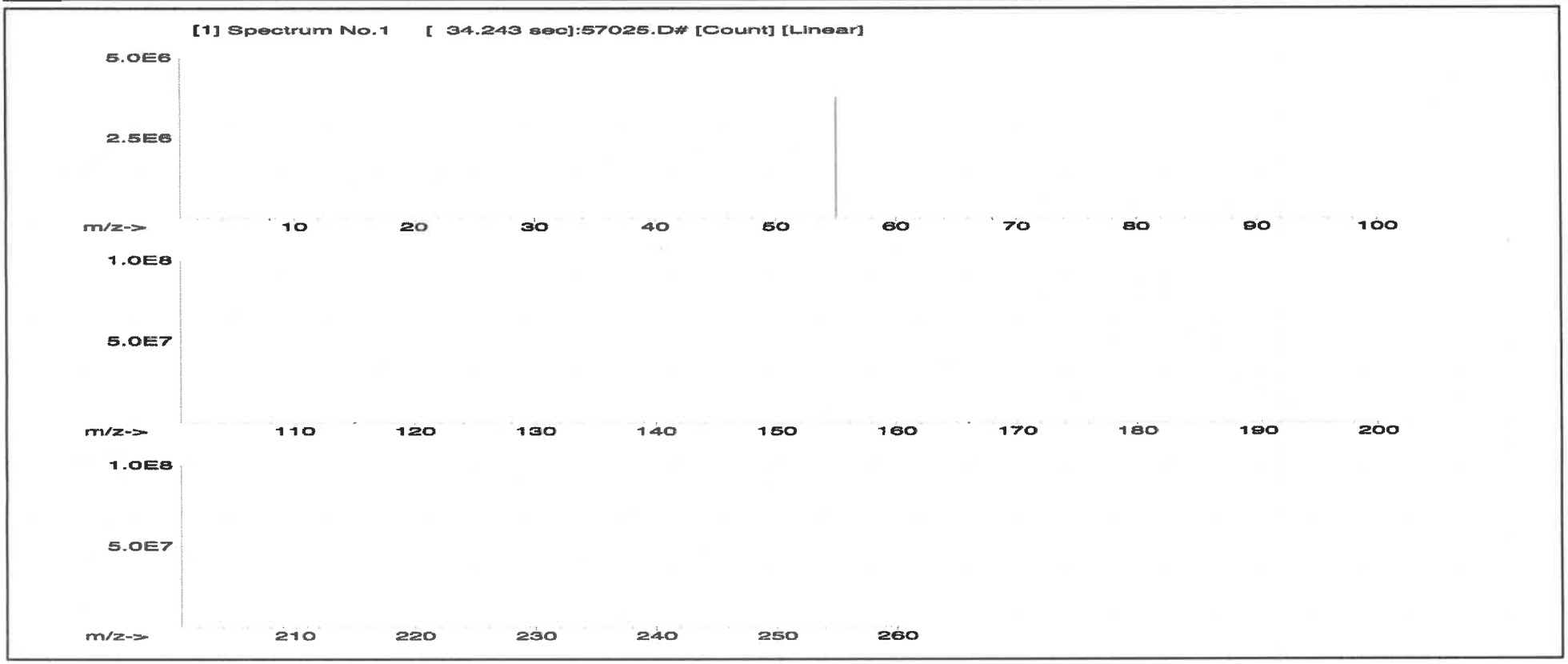
		Lot #	
Solvent:	24002546	Nitric Acid	
	2%	80.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Weight shown below was diluted to (mL): 4000.2 0.10 Flask Uncertainty

Giovanni Esposito		
Formulated By:	Giovanni Esposito	101124
Pedro Rentas		
Reviewed By:	Pedro L. Rentas	101124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	**SDS Information** (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Manganese(II) nitrate hydrate (Mn)	IN031	MNM092020A1	1000	99.999	0.10	20.8	19.2322	19.2344	**1000.1**	**2.0**	15710-66-4	5 mg/m3	orl-rat >300mg/kg	3132



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Certified Reference Material CRM

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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.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES
Refine your results. Redefine your industry.

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

M6137 R→10/3/24

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSI1
Lot Number:	V2-SI744713
Matrix:	tr. HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Silicon
Starting Material:	Silica
Starting Material Lot#:	1771
Starting Material Purity:	99.9981%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 999 ± 6 µg/mL

Density: 1.003 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **999 ± 5 µg/mL**
ICP Assay NIST SRM Traceable to 3150 Lot Number: S2-SI702546

Assay Method #2 **1000 ± 7 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000310	M	Eu	<	0.000310	O	Na		0.001656	M	Se	<	0.022000	M	Zn	<	0.002500
M	Al		0.010787	M	Fe	<	0.027000	M	Nb	<	0.001300	s	Si	<		O	Zr	<	0.001900
M	As	<	0.001900	M	Ga	<	0.001300	M	Nd	<	0.000310	M	Sm	<	0.000310				
M	Au	<	0.000910	M	Gd	<	0.000310	M	Ni	<	0.005500	M	Sn		0.000096				
M	B		0.016180	M	Ge	<	0.001900	M	Os	<	0.000610	O	Sr		0.000092				
M	Ba		0.000096	M	Hf		0.000423	i	P	<		M	Ta		0.002542				
O	Be	<	0.000570	M	Hg	<	0.000610	M	Pb	<	0.000310	M	Tb	<	0.000310				
M	Bi	<	0.000310	M	Ho	<	0.000610	M	Pd	<	0.000610	M	Te	<	0.000910				
O	Ca		0.011557	M	In	<	0.000310	M	Pr	<	0.000310	M	Th	<	0.001900				
M	Cd	<	0.000310	M	Ir	<	0.000310	M	Pt	<	0.000310	M	Ti		0.001078				
M	Ce	<	0.000610	O	K		0.000577	M	Rb	<	0.009100	M	Tl	<	0.000310				
M	Co	<	0.001600	M	La	<	0.000310	M	Re	<	0.000310	M	Tm	<	0.000310				
M	Cr	<	0.010000	O	Li	<	0.000460	M	Rh	<	0.000310	M	U	<	0.000310				
M	Cs	<	0.000310	M	Lu	<	0.000310	M	Ru	<	0.000310	O	V	<	0.001300				
M	Cu	<	0.002500	O	Mg		0.001348	O	S	<	0.570000	M	W	<	0.001900				
M	Dy	<	0.000310	M	Mn	<	0.002500	M	Sb	<	0.000310	M	Y	<	0.000310				
M	Er	<	0.000310	M	Mo	<	0.000310	O	Sc	<	0.000590	M	Yb	<	0.000310				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 28.09 +4 6 Si(OH)x(F)y2-

Chemical Compatibility -Soluble in HCl, HF, H3PO4 H2SO4 and HNO3 as the Si(OH)x(F)y2-. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths, or high levels of transition elements unless they are fluorinated. Stable with most inorganic anions with a tendency to hydrolyze forming silicic acid (silicic acid is soluble up to ∼100 ppm in water) in all dilute acids except HF.

Stability - 2-100 ppb levels - stability unknown - (alone or mixed with all other metals) as the Si(OH)x(F)y2-. 1-10,000 ppm single element solutions as the Si(OH)x(F)y2- chemically stable for years in 2-5 % HNO3 / trace HF in a LDPE container.

Si Containing Samples (Preparation and Solution) -Metal (Soluble in 1:1:1 H2O / HF / HNO3); Oxide - SiO2, amorphic (dissolve by heating in 1:1:1 H2O / HF / HNO3); Oxide - quartz (fuse in Pt0 with Na2CO3); Geological Samples(fuse in Pt0with Na2CO3 followed by HCl solution of the fuseate); Organic Matrices containing silicates and non volatile silicon compounds (dry ash at 4500C in Pt0 and dissolve by gently warming with 1:1:1 H2O / HF / H2SO4 or fuse / ash with Na2CO3 and dissolve fuseate with HCl / H2O); Silicone Oils - dimethyl silicones depolymerize to form volatile monomer units when heated (Measure directly in alcoholic KOH / xylene mixture where sample is treated first with the KOH at 60-1000C to "unzip" the Si- O-Si polymeric structure or digest with conc. H2SO4 / H2O2 followed by cooling and dissolution of the dehydrated silica with HF.) Note that the direct analysis of silicone oils in an organic solvent will result in false high results due to high vapor pressure of volatile monomer units like hexamethylcyclotrisiloxane. The KOH forms the K2+Si(CH3)2O= salt which is not volatile at room temperature.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 28 amu	4000 - 8000 ppt	N/A	N2, 12C16O
ICP-OES 212.412 nm	0.02/0.01 µg/mL	1	Hf, Os, Mo, Ta
ICP-OES 251.611 nm	0.012/0.003 µg/mL	1	Ta, U, Zn, Th
ICP-OES 288.158 nm	0.03/0.004 µg/mL	1	Ta, Ce, Cr, Cd, Th

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 10, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **July 10, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

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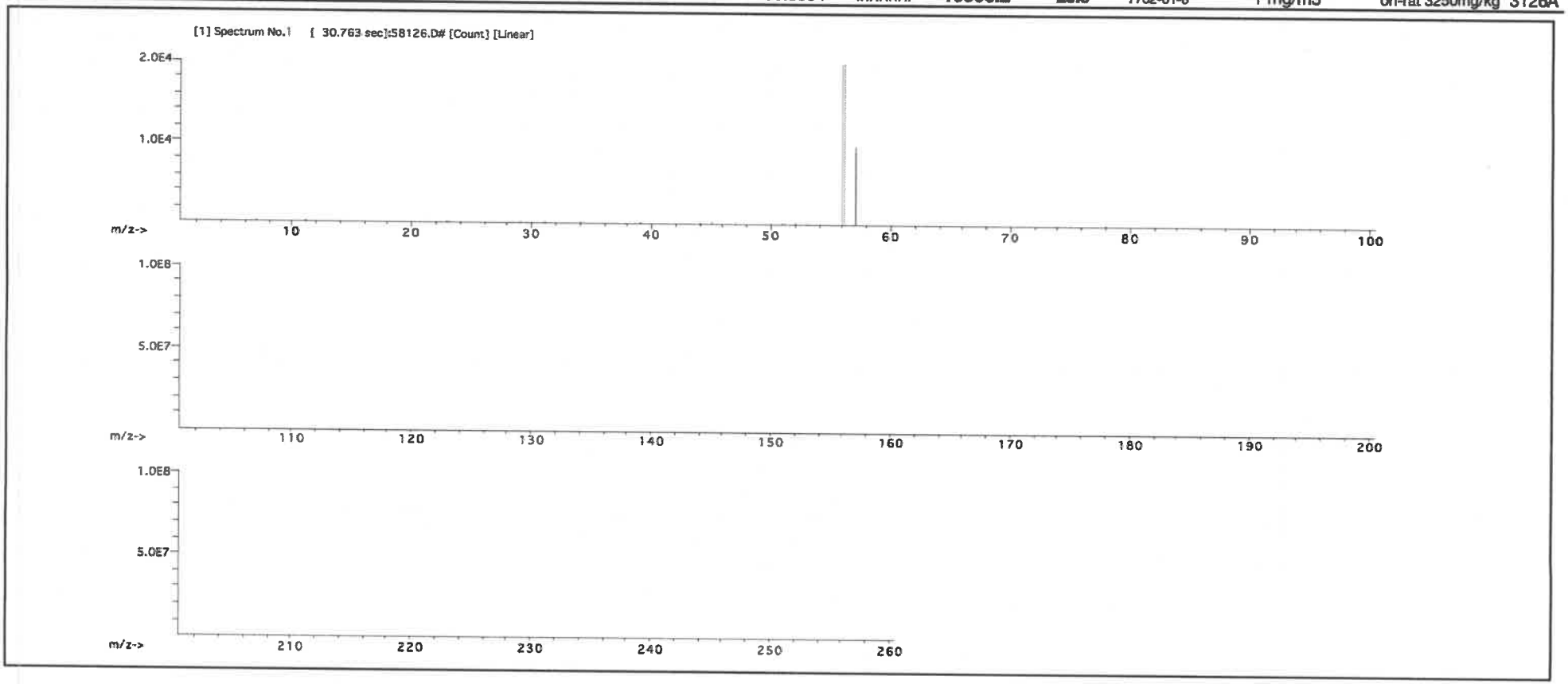
CERTIFIED WEIGHT REPORT:

Part Number:	58126 R->1|B|2S		**Lot #**		
Lot Number:	011025	**Solvent:**	24012496	Nitric Acid	
Description:	Iron (Fe) M6140				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	011028				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	10000				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

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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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	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.
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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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CERTIFIED WEIGHT REPORT:

R->1/13/25

Part Number:	**57119**		**Lot #**		
Lot Number:	**103024**		**Solvent:**	24002546	Nitric Acid
Description:	**Potassium (K)**	M6141 M6142 M6143	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			

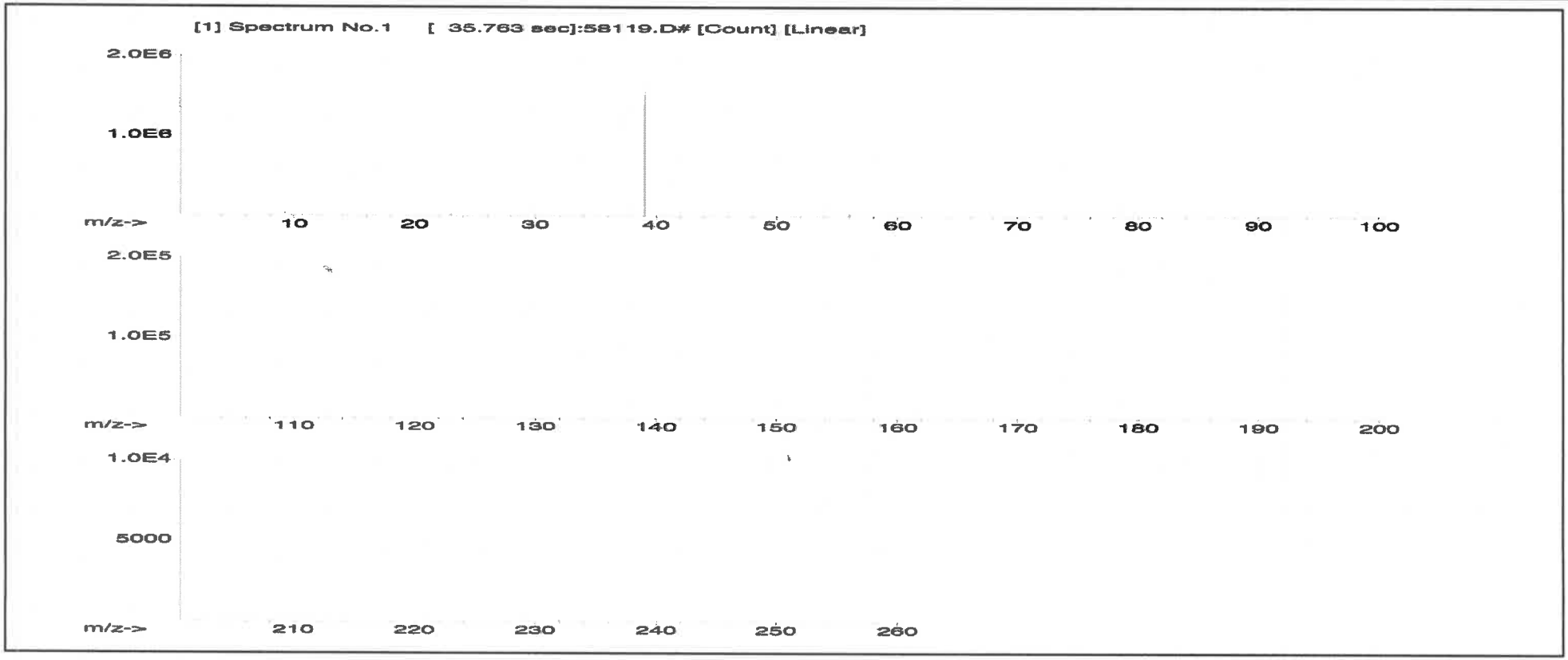
Giovanni Esposito

Formulated By:	Giovanni Esposito	103024

Pedro Rentas

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



1008 of 1114
Q3376-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	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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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:

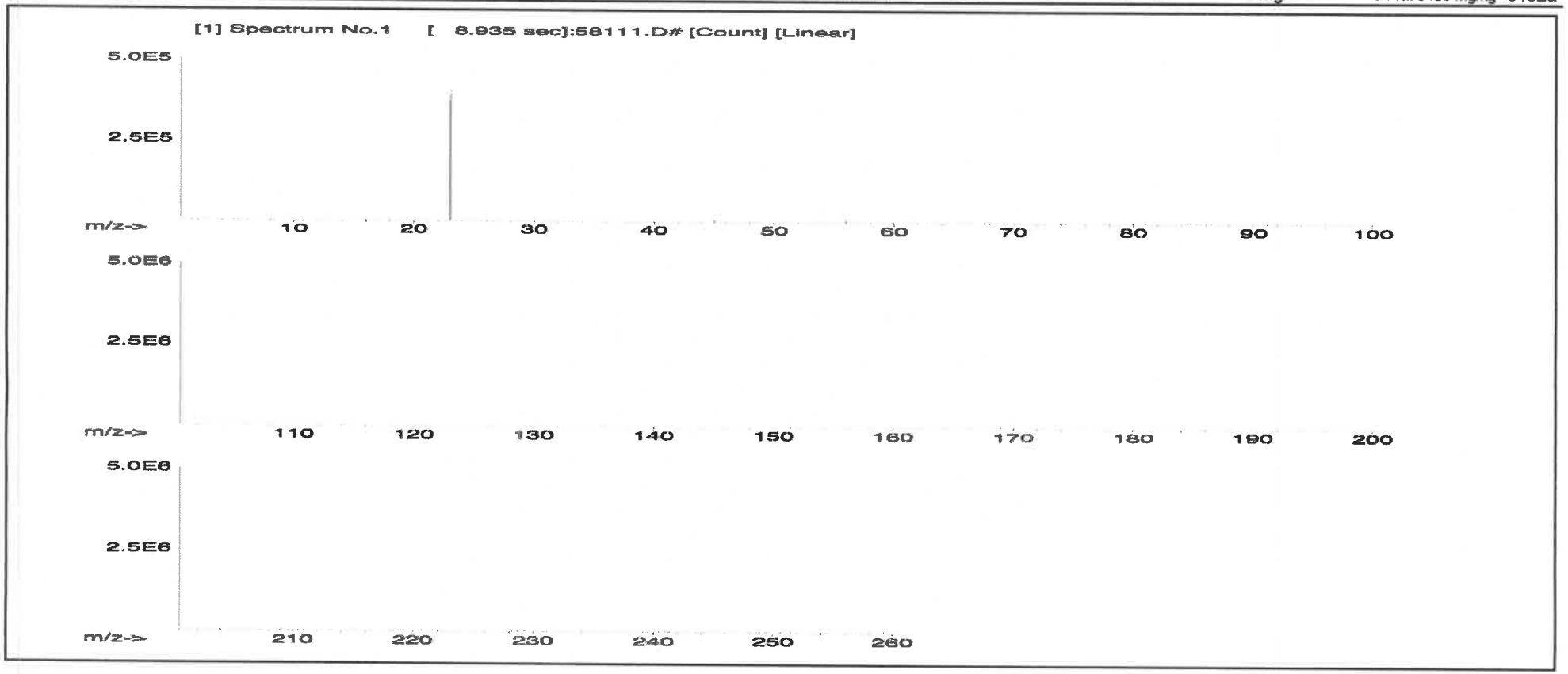
R->1/13/25

M6144

Part Number:	**58111**		**Lot #**		
Lot Number:	**072424**	**Solvent:**	24002546	Nitric Acid	
Description:	**Sodium (Na)**				
		2%	80.0 (mL)	Nitric Acid	
Expiration Date:	072427				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.2	0.10	Flask Uncertainty		

Formulated By:	Benson Chan	072424
Reviewed By:	Pedro L. Rentas	072424

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	148.7096	######	**10000.0**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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Certified Reference Material CRM

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AR-1539 Certificate Number
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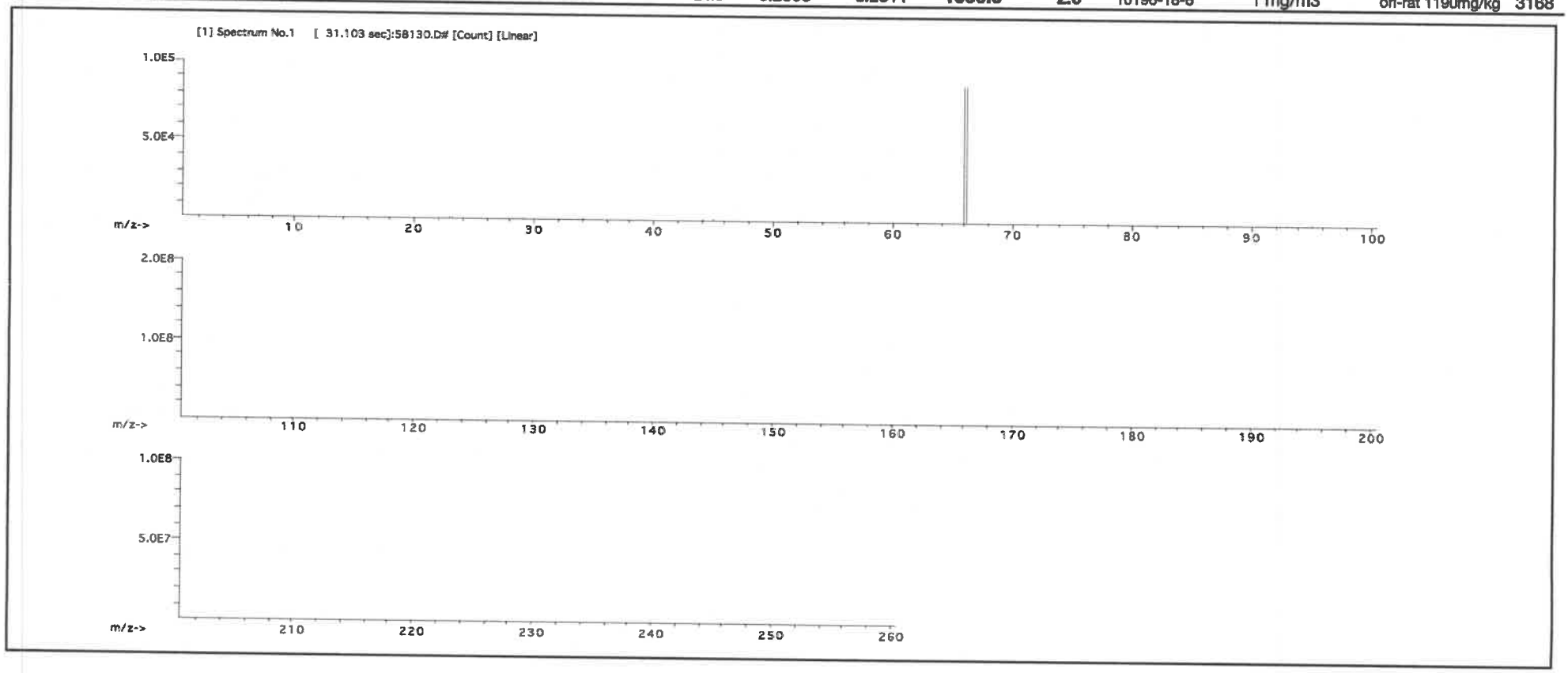
CERTIFIED WEIGHT REPORT:

Part Number:	**58030**	R→1/13/25		**Lot #**	
Lot Number:	**121724**		**Solvent:**	24012496	Nitric Acid
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:

Certified by:

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Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R→ 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

R→1/7/23
M6153

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSR10
Lot Number:	V2-SR745329
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Strontium
Starting Material:	Strontium Carbonate
Starting Material Lot#:	2647
Starting Material Purity:	99.9960%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10081 ± 39 µg/mL

Density: 1.030 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **10059 ± 50 µg/mL**
ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985

Assay Method #2 **10087 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / \langle\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000960	M	Eu	<	0.000480	O	Na		0.002964	M	Se	<	0.042000	M	Zn	0.004560
M	Al		0.003420	O	Fe		0.013225	M	Nb	<	0.000480	O	Si		0.012997	M	Zr	0.001847
M	As	<	0.007200	M	Ga	<	0.002900	M	Nd	<	0.000480	M	Sm	<	0.000480			
M	Au	<	0.003900	M	Gd	<	0.000480	O	Ni		0.001482	M	Sn	<	0.000480			
O	B	<	0.003200	M	Ge	<	0.004800	M	Os	<	0.001500	s	Sr	<				
M	Ba		0.638494	M	Hf	<	0.000480	O	P	<	0.017000	M	Ta	<	0.000480			
O	Be	<	0.000450	M	Hg	<	0.000960	M	Pb		0.010717	M	Tb	<	0.000480			
M	Bi	<	0.002000	M	Ho	<	0.000480	M	Pd	<	0.002000	M	Te	<	0.016000			
O	Ca		0.025083	M	In	<	0.008600	M	Pr		0.000547	M	Th	<	0.000480			
M	Cd	<	0.000960	M	Ir	<	0.000480	M	Pt	<	0.000480	M	Ti		0.004560			
M	Ce		0.000661	O	K		0.025083	M	Rb	<	0.003400	M	Tl	<	0.000480			
M	Co		0.001527	M	La	<	0.000480	M	Re	<	0.000480	M	Tm		0.004332			
O	Cr	<	0.004700	O	Li	<	0.005600	O	Rh	<	0.013000	M	U	<	0.000480			
M	Cs	<	0.000480	M	Lu	<	0.000480	M	Ru	<	0.000960	M	V	<	0.000960			
O	Cu	<	0.003800	O	Mg		0.001048	O	S	<	0.045000	M	W	<	0.002400			
M	Dy	<	0.000960	O	Mn		0.000319	M	Sb	<	0.009600	O	Y	<	0.001200			
M	Er	<	0.000480	M	Mo	<	0.002900	M	Sc	<	0.001500	M	Yb	<	0.000480			

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 $Sr(H_2O)_{6}^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

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

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

M615 MB

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
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 & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 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	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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, Bioscience Production

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

M-6162

R. Date :- 04/27/2025

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 386 1700

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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.

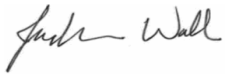
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor

Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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Certificate of Analysis

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Christiansburg, VA 24073 USA
inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	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

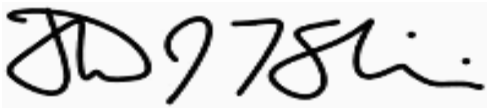
- Sealed TCT Bag Open Date: _____

- 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

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inorganicventures.com

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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

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X_a = mean of Assay Method A with

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k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

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4.0 TRACEABILITY TO NIST

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4.3 Glassware Calibration

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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.

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- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 02, 2025

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 02, 2030**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

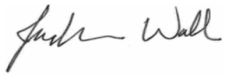
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor

Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Hydrogen Peroxide, 30%
CMOS
(Stabilized)

M-6170
R.Date . 8-05/20/2025

avantor™ | J.T.Baker®

Material No.: 2190-03
Batch No.: 24D1961001

Test	Specification	Result
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 600.0 ppb	176.7 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	190.0 – 500.0 ppb	272.3 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)	≤ 50 ppb	< 1 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.2 µm and greater	≤ 1175 par/ml	202 par/ml
Particle Count – 0.5 µm and greater	≤ 100 par/ml	33 par/ml

>>> Continued on page 3 >>>

Hydrogen Peroxide, 30%
CMOS
(Stabilized)

avantor™ | J.T.Baker®

Material No.: 2190-03
Batch No.: 24D1961001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Hydrogen Peroxide, 30%
CMOS
(Stabilized)

avantor™ | J.T.Baker®

Material No.: 2190-03
Batch No.: 24D1961001
Manufactured Date: 2024-04-17
Expiration Date: 2025-10-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (H_2O_2)	30.0 - 32.0 %	31.6 %
Color (APHA)	≤ 10	< 5
Free Acid (µeq/g)	≤ 0.2	0.1
Residue after Evaporation	≤ 10 ppm	2 ppm
Ammonium (NH_4)	≤ 3 ppm	< 3 ppm
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Nitrate (NO_3)	≤ 2 ppm	< 2 ppm
Phosphate (PO_4)	≤ 1 ppm	1 ppm
Sulfate (SO_4)	≤ 3 ppm	< 3 ppm
Trace Impurities - Aluminum (Al)	≤ 70.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 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)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Chromium (Cr)	≤ 20.0 ppb	1.5 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)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	< 5.0 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 250.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	4.6 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

R -> 013125

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

M 6171

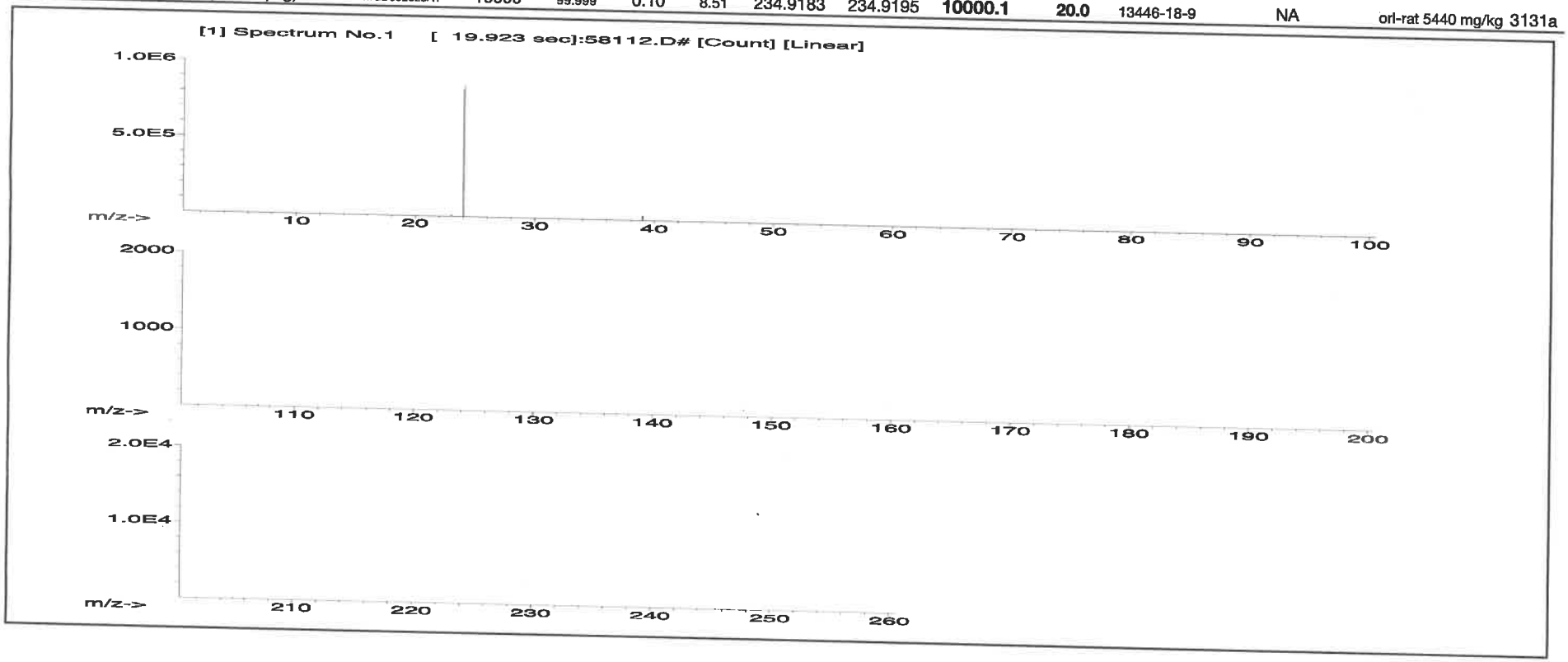
Part Number: 58112
Lot Number: 011525
Description: Magnesium (Mg)

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



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Certified Reference Material CRM

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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).

R-> 1/25/25 M6172

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Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	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

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	<	0.000860	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

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

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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inorganicventures.com

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M6174
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-1
Lot Number:	V2-MEB742428
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Magnesium, Potassium, Sodium, 2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Nickel, Zinc, Manganese, Vanadium, Cobalt, 250 µg/mL ea: Silver, Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.03 ± 0.30 µg/mL	Calcium, Ca	5 000 ± 16 µg/mL
Chromium, Cr	200.0 ± 1.1 µg/mL	Cobalt, Co	500.0 ± 2.3 µg/mL
Copper, Cu	250.0 ± 1.1 µg/mL	Iron, Fe	1 000 ± 4 µg/mL
Magnesium, Mg	5 000 ± 22 µg/mL	Manganese, Mn	499.9 ± 2.2 µg/mL
Nickel, Ni	500.1 ± 2.3 µg/mL	Potassium, K	5 000 ± 22 µg/mL
Silver, Ag	250.0 ± 1.1 µg/mL	Sodium, Na	5 000 ± 22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.117 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
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
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

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- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 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

- March 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:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Jodie Wall
Stock VSM Coordinator

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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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

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

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- March 11, 2029

- The date after which this CRM/RM should not be used.

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11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

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12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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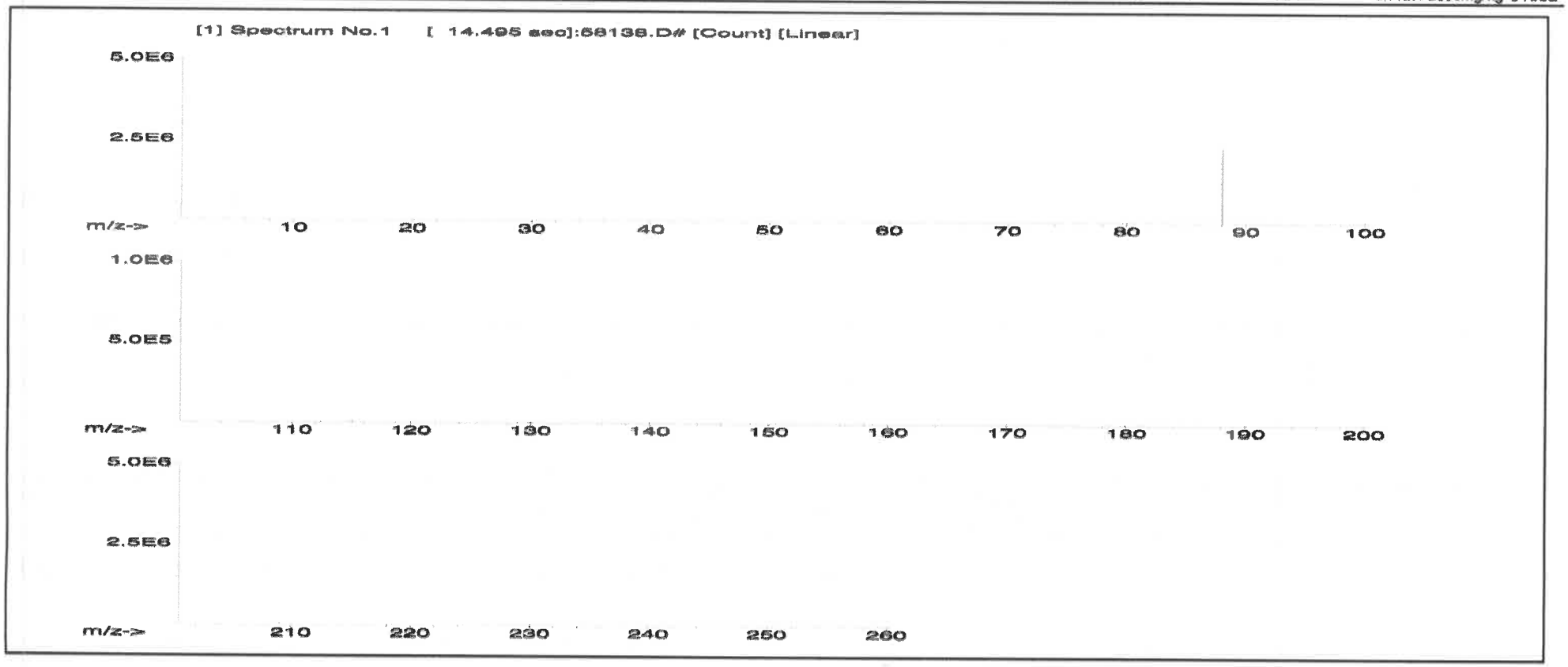
CERTIFIED WEIGHT REPORT:

R->8/6/29

Part Number:	**57038**		**Lot #**		
Lot Number:	**092724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Strontium (Sr)**				
	M6176	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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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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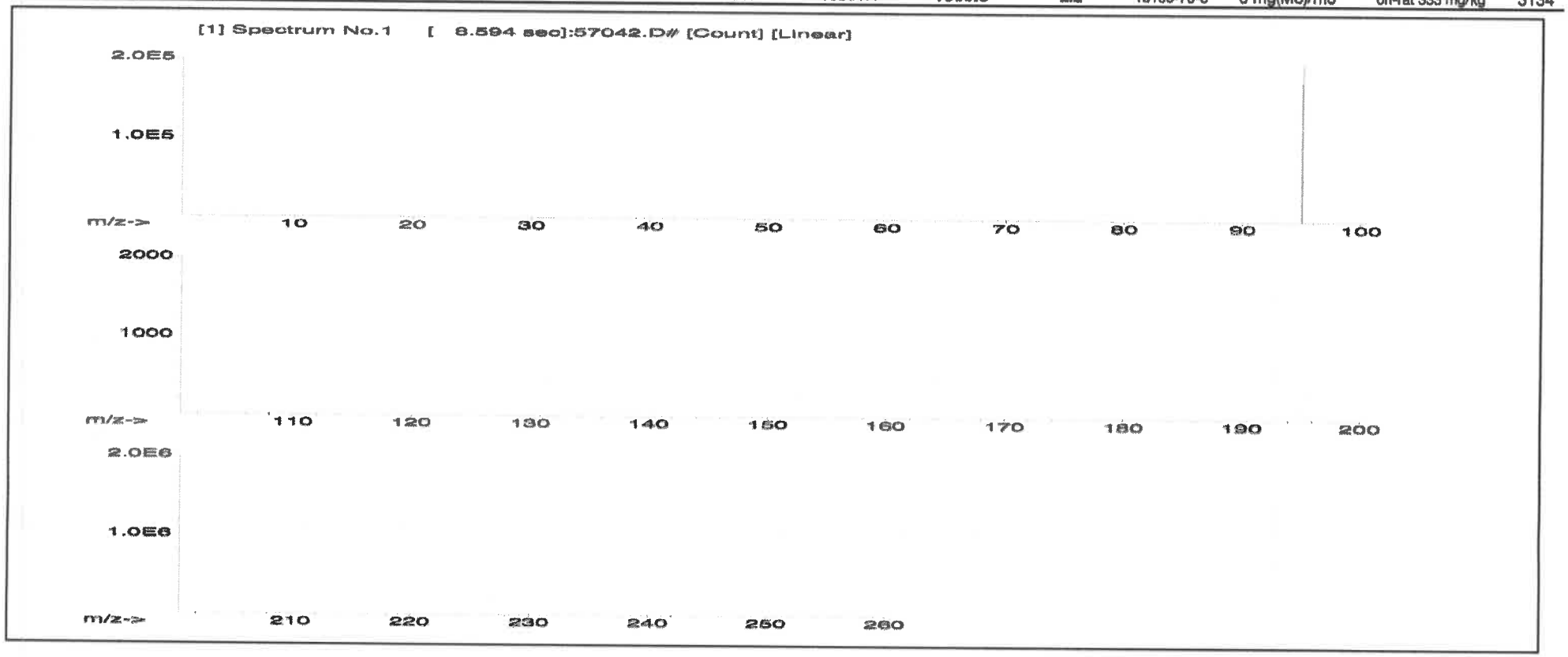
CERTIFIED WEIGHT REPORT:

R→ 8/6/25
M6177

		Lot #	Solvent:		
Part Number:	57042	MKBQ8597V	Ammonium hydroxide		
Lot Number:	080525	080525	ASTM Type 1 Water		
Description:	Molybdenum (Mo)	0.5%	10.0 (mL)	Ammonium hydroxide	
Expiration Date:	080528				
Recommended Storage:	Ambient (15 - 30 °C)				
Nominal Concentration (µg/mL):	1000				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	1999.41	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	080525
Reviewed By:	Pedro L. Rentas	080525

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	200.0	0.084	1000	10001.4	**1000.5**	**2.2**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



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Certified Reference Material CRM

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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	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware, and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated by an ISO17025 certified organization with weights traceable through NIST to the SI kilogram (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).
Rev 1.0, 2/25/2025

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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		

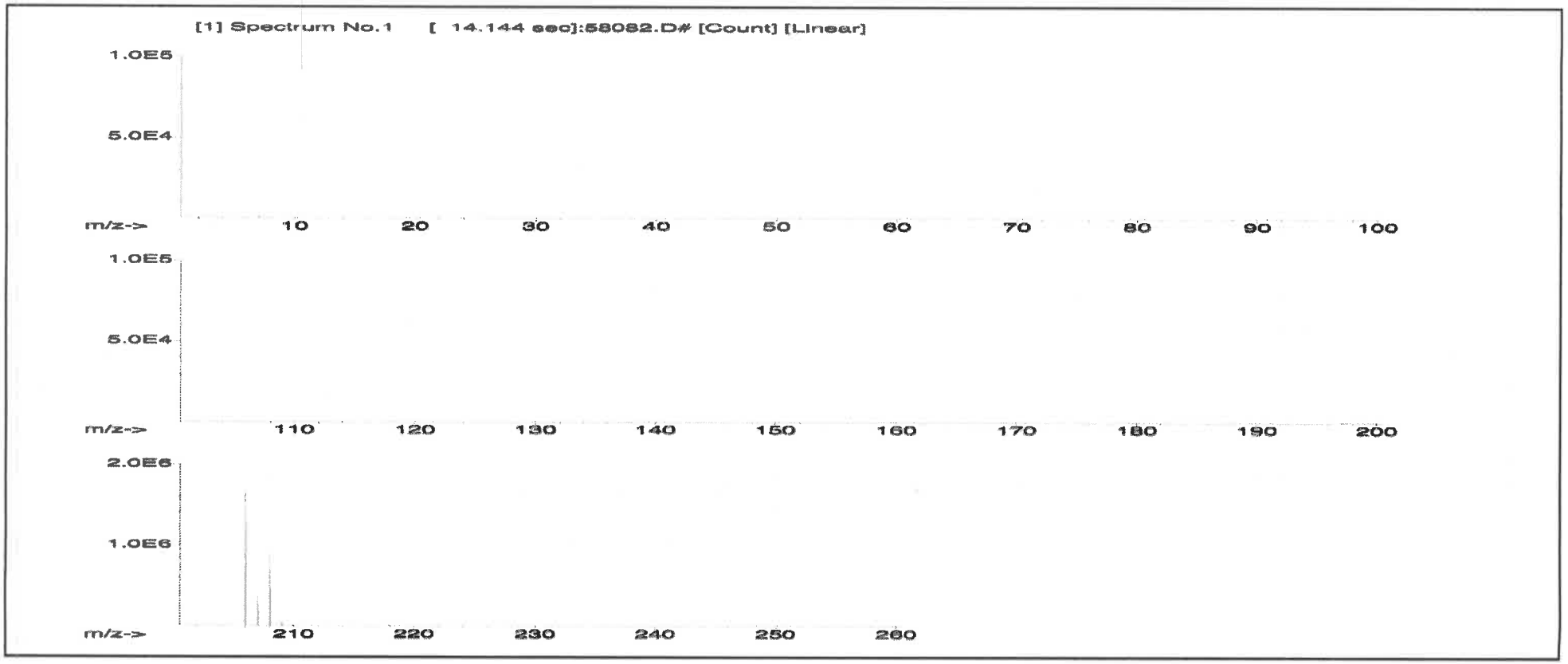
Giovanni Esposito

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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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:

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* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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

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R -> 6/2/24

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:	CGY10
Lot Number:	V2-Y740548
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Yttrium
Starting Material:	Yttrium Oxide
Starting Material Lot#:	2661 and 06230520YL
Starting Material Purity:	99.9984%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10000 ± 30 µg/mL

Density: 1.032 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10011 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #2	**9997 ± 50 µg/mL** ICP Assay NIST SRM 3167a Lot Number: 190730
Assay Method #3	**9984 ± 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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.004600	M	Eu		0.009037	M	Na		0.086360	M	Se	<	0.005200	M	Zn		0.030125
M	Al		0.014862	O	Fe		0.002410	M	Nb	<	0.000570	O	Si		0.024100	O	Zr	<	0.002600
M	As	<	0.003500	M	Ga	<	0.000570	M	Nd		0.000923	M	Sm		0.000461				
M	Au	<	0.001700	M	Gd	<	0.003500	M	Ni	<	0.005700	M	Sn	<	0.002300				
O	B		0.002209	M	Ge	<	0.005200	M	Os	<	0.001200	M	Sr	<	0.004600				
O	Ba	<	0.002500	M	Hf	<	0.000570	n	P	<		M	Ta	<	0.000570				
O	Be	<	0.001400	M	Hg	<	0.000570	M	Pb		0.005020	M	Tb		0.001044				
M	Bi	<	0.003500	M	Ho		0.009037	M	Pd	<	0.005100	M	Te	<	0.002300				
O	Ca		0.009841	M	In	<	0.002300	M	Pr	<	0.002300	M	Th	<	0.000570				
M	Cd	<	0.000570	M	Ir	<	0.000570	M	Pt	<	0.000570	M	Ti	<	0.003500				
M	Ce	<	0.002300	O	K		0.018677	M	Rb	<	0.000570	M	Tl	<	0.000570				
M	Co	<	0.000570	M	La		0.000461	M	Re	<	0.000570	M	Tm	<	0.003500				
M	Cr	<	0.004000	O	Li	<	0.009300	M	Rh	<	0.008000	M	U	<	0.000570				
M	Cs	<	0.000570	M	Lu		0.000582	M	Ru	<	0.000570	M	V		0.001265				
M	Cu		0.002610	O	Mg		0.001486	n	S	<		M	W	<	0.002300				
M	Dy		0.003815	M	Mn		0.000582	M	Sb		0.005422	s	Y	<					
M	Er		0.003615	M	Mo	<	0.005700	M	Sc	<	0.001200	M	Yb		0.001827				

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 - 88.91 +3 6 Y(OH)(H2O)x+2

Chemical Compatibility -Soluble in HCl, H2SO4 and HNO3. Avoid HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming an insoluble carbonate, oxide, oxalate, and fluoride. Avoid mixing with elements / solutions containing moderate amounts of fluoride.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Y Containing Samples (Preparation and Solution) - Metal (Soluble in acids); Oxide (Dissolve by heating in H2O/ HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolve in 1:1 H2O / HCl or HNO3).

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 89 amu	0.8 ppt	N/A	73Ge16O, 178Hf+2
ICP-OES 360.073 nm	0.005 / 0.000036 µg/mL	1	Ce, Th
ICP-OES 371.030 nm	0.004 / 0.00007 µg/mL	1	Ce
ICP-OES 377.433 nm	0.005 / 0.0009 µg/mL	1	Ta, Th

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

February 20, 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 20, 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

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (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.

M6182

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 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-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

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*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. 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 ICP-AES 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-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, 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 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (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

M6184

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of 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-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

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*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. 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 ICP-AES 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-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, 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 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

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.

Nitric Acid 69%
CMOS

M6187
R.D :- 08/08/25

avantor™ | J.T.Baker®

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

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

M6200
R.0 → 08/25/25

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.6 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.192
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

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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:	WW-LFS-2
Lot Number:	V2-MEB743480
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Silica,
	80 µg/mL ea: Antimony,
	70 µg/mL ea: Tin,
	40 µg/mL ea: Molybdenum,
	20 µg/mL ea: Titanium

R - 7/20/23
M6201
M6202
M6203
M6204

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	80.1 ± 0.5 µg/mL	Molybdenum, Mo	40.05 ± 0.22 µg/mL
Silica, SiO2	200.3 ± 1.4 µg/mL	Tin, Sn	70.1 ± 0.4 µg/mL
Titanium, Ti	20.03 ± 0.12 µg/mL		

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
SiO2	Calculated		See Sec. 4.2
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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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**

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

May 07, 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 07, 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:

Thomas Kozikowski
Stock VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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Christiansburg, VA 24073 USA
inorganicventures.com

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ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-1
Lot Number:	W2-MEB752149
Matrix:	5% (v/v) HNO3

R -> 7/20/23

M6209
M6210
M6211
M6212

Value / Analyte(s):		
	1 000 µg/mL ea: Potassium,	
	600 µg/mL ea: Phosphorus,	
	300 µg/mL ea: Sodium,	Iron,
	200 µg/mL ea: Magnesium, Cerium, Thallium,	Aluminum, Selenium,
	100 µg/mL ea: Lead,	Calcium,
	80 µg/mL ea: Arsenic,	
	70 µg/mL ea: Mercury,	
	50 µg/mL ea: Nickel,	
	40 µg/mL ea: Chromium,	
	30 µg/mL ea: Copper, Vanadium,	Boron,
	20 µg/mL ea: Zinc, Barium, Cadmium, Manganese,	Strontium, Beryllium, Cobalt, Lithium,
	7.5 µg/mL ea: Silver	

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	200.2 ± 0.7 µg/mL	Arsenic, As	80.1 ± 0.5 µg/mL
Barium, Ba	20.02 ± 0.12 µg/mL	Beryllium, Be	20.02 ± 0.11 µg/mL
Boron, B	30.02 ± 0.15 µg/mL	Cadmium, Cd	20.04 ± 0.09 µg/mL
Calcium, Ca	100.1 ± 0.3 µg/mL	Cerium, Ce	200.2 ± 1.0 µg/mL
Chromium, Cr	40.02 ± 0.26 µg/mL	Cobalt, Co	20.03 ± 0.09 µg/mL
Copper, Cu	30.03 ± 0.13 µg/mL	Iron, Fe	300.3 ± 1.3 µg/mL
Lead, Pb	100.1 ± 0.5 µg/mL	Lithium, Li	20.03 ± 0.09 µg/mL
Magnesium, Mg	200.2 ± 0.9 µg/mL	Manganese, Mn	19.99 ± 0.09 µg/mL
Mercury, Hg	70.0 ± 0.3 µg/mL	Nickel, Ni	50.05 ± 0.22 µg/mL
Phosphorus, P	600.5 ± 2.9 µg/mL	Potassium, K	1 001 ± 4 µg/mL
Selenium, Se	200.2 ± 1.1 µg/mL	Silver, Ag	7.52 ± 0.03 µg/mL
Sodium, Na	300.3 ± 1.3 µg/mL	Strontium, Sr	20.02 ± 0.10 µg/mL
Thallium, Tl	200.2 ± 1.0 µg/mL	Vanadium, V	30.02 ± 0.13 µg/mL
Zinc, Zn	20.05 ± 0.09 µg/mL		

Density: 1.037 g/mL (measured at 20 ± 5 °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
B	ICP Assay	3107	190605
B	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
Ce	ICP Assay	3110	160830
Ce	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
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	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
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
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 (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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° - 25° C to minimize the effects of transpiration. Use at 20° ± 5° 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

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 08, 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

- April 08, 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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6027

R1 8/05/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

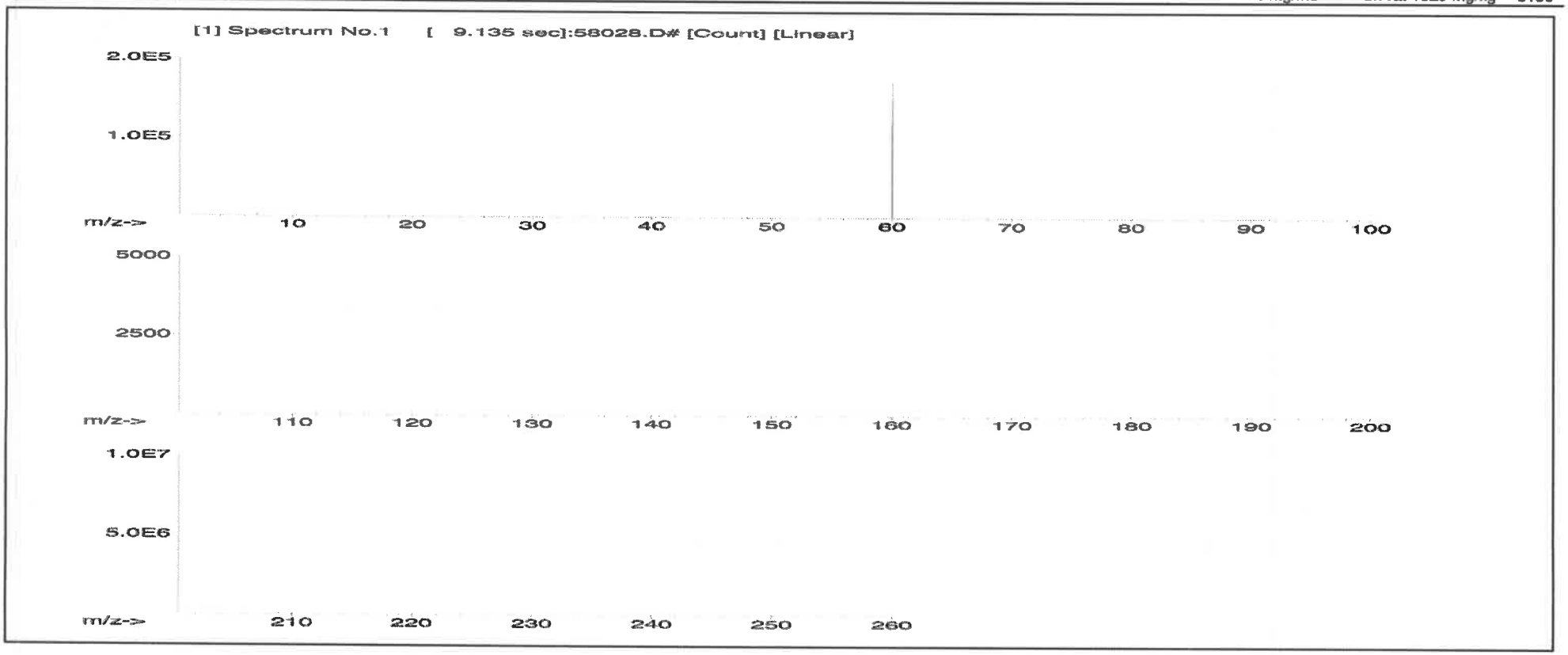
CERTIFIED WEIGHT REPORT:

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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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	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).

INORGANIC VENTURES™

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A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6030

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57047
Lot Number: 122823
Description: Silver (Ag)

Expiration Date: 122826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

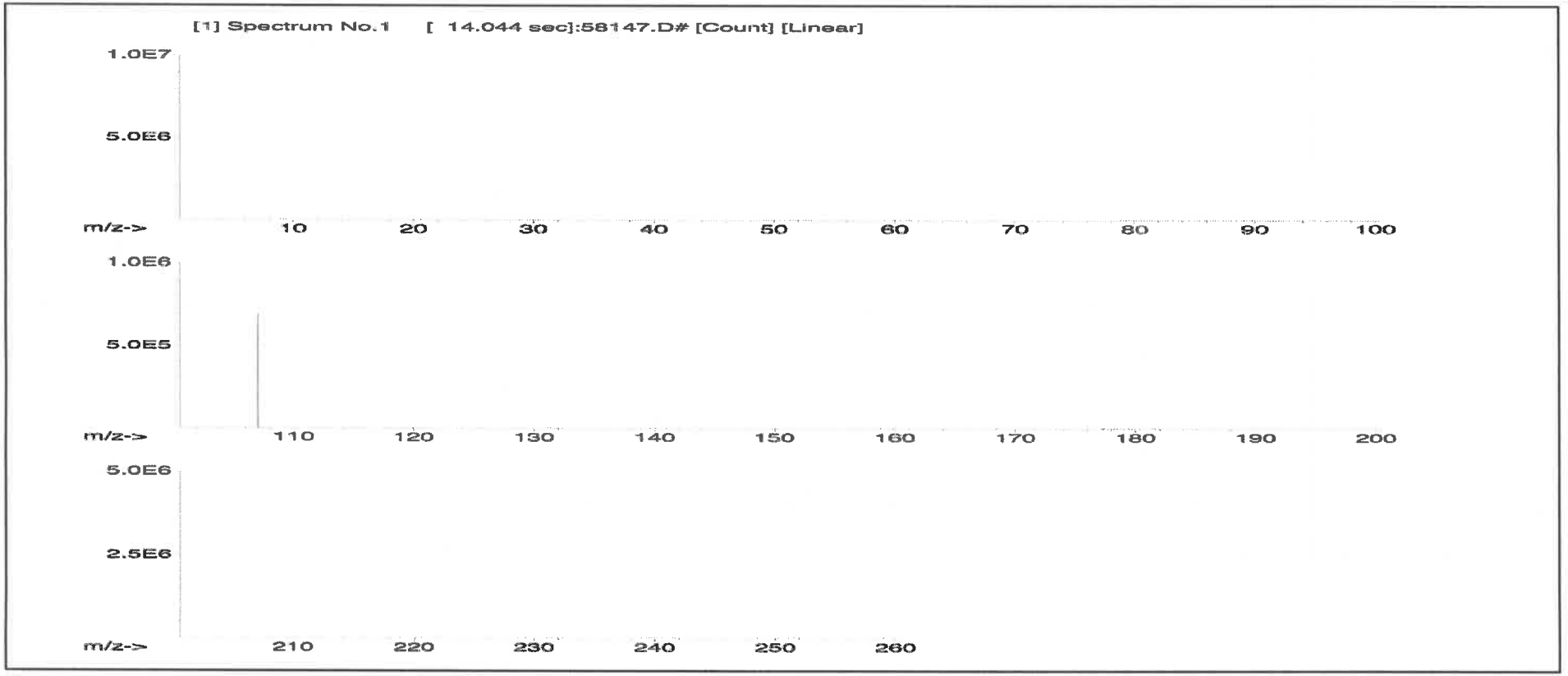
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



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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	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

opened : 3/24/25

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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 ± 0.058

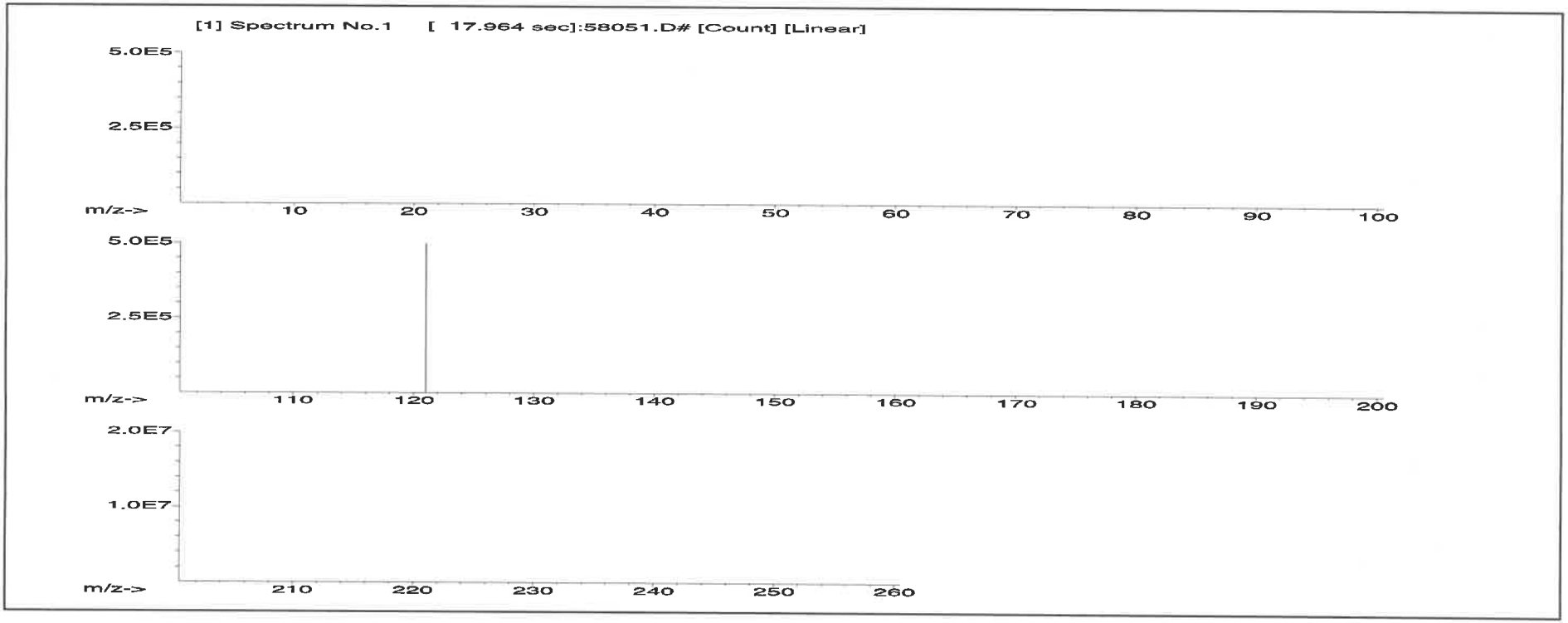
5E-05 Balance Uncertainty
Flask Uncertainty

Lot #	Solvent:	
24002546	Nitric Acid	
2.0%	40.0 (mL)	Nitric Acid

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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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	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

B ! 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57081
Lot Number: 062724
Description: Thallium (Tl)

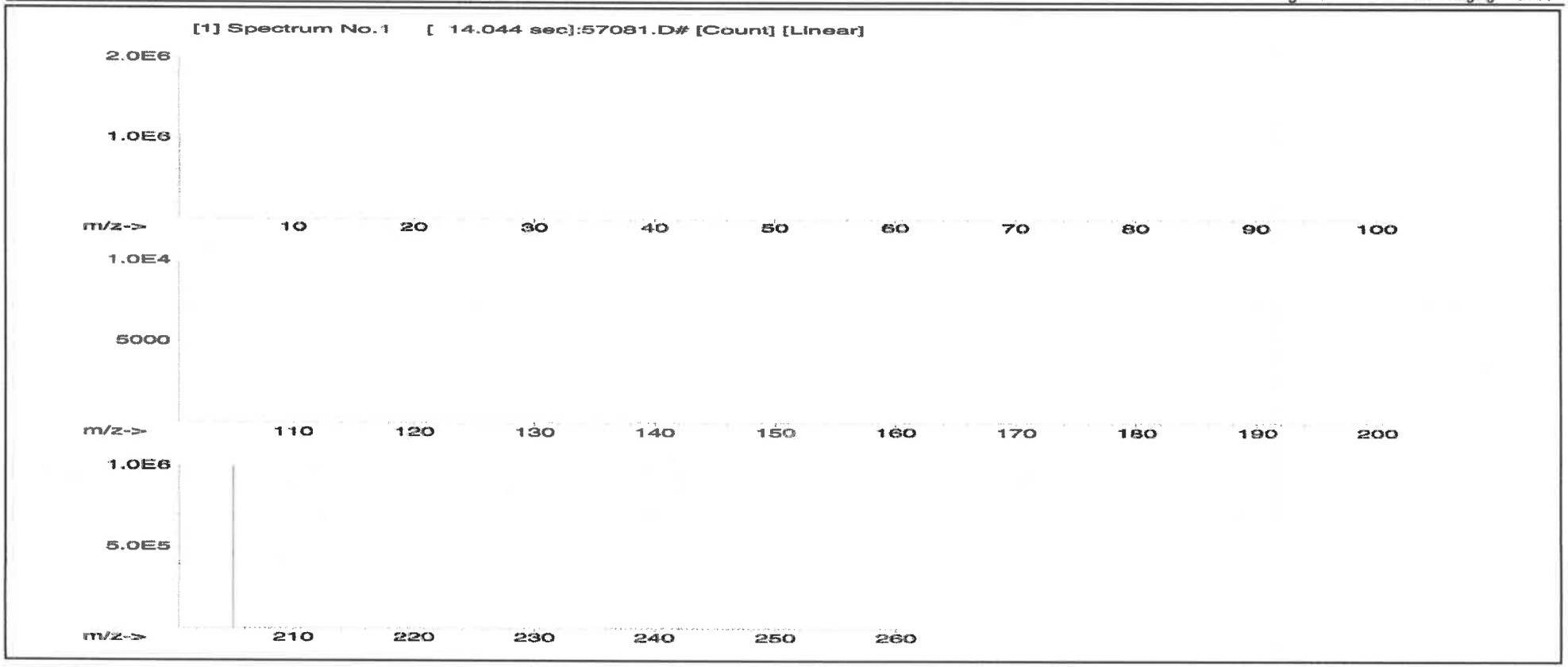
Expiration Date: 062727
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.1

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.10	Flask Uncertainty	

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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Certified Reference Material CRM

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Rc. 8/5/24

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**			
Description:	**Vanadium (V)**	24002546	Nitric Acid	
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

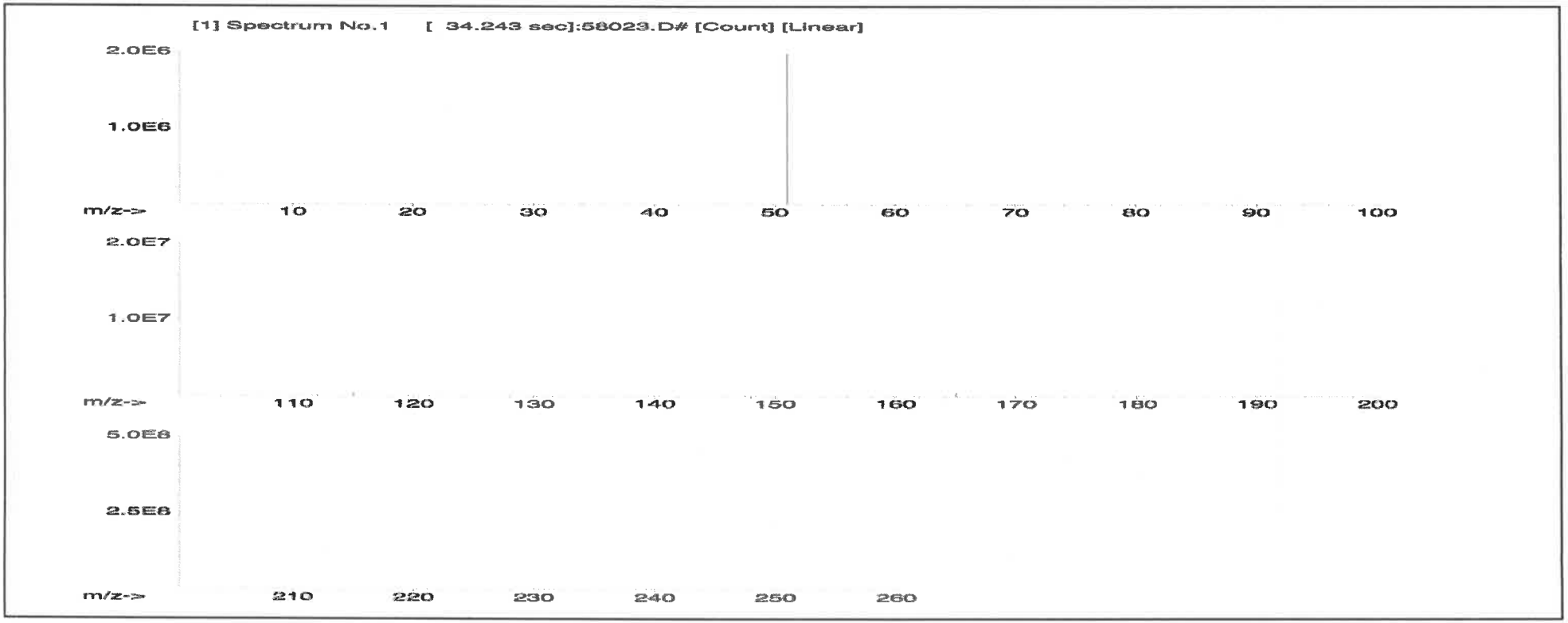
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



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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)

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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	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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SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3376
QUOTE NO.
COC Number 2045167 Q3379

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: robert.forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner PHONE: 212-377-8721

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ 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 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: SVOCs
2: Pesticides-TCL
3: Mercury-Metals
4: PCBs/Hexchrom
5: Dioxin
6: Grain Size
7: TOC
8: VOCs
9:

PRESERVATIVES

Method

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	1	2	3	4	5	6	7	8	9
1.	PR132-SO5-057082-20251016	S		X	10/16	1035	11	X	X	X	X	X	X	X	X	
2.	PR132-DP01-20251016	S		X	10/16	1050	11	X	X	X	X	X	X	X	X	
3.	PR132-COMP2-20251016	S	X		10/16	1250	11	X	X	X	X	X	X	X	X	
4.	PR132-SI2-047072-20251016	S		X	10/16	1325	11	X	X	X	X	X	X	X	X	
5.	PR132-SI2-020047-20251016	S		X	10/16	1315	11	X	X	X	X	X	X	X	X	
6.	PR132-FB01-20251016	A			10/16	1355	1	X	X	X	X	X			X	
7.	Temp Blank	A													X	
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. Jim Aldersen	10/16/25 1650	1. 1650 10-16-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 10-16-25 1815	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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 : Q3376 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/17/2025 10:34:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/16/2025 6:15:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3376-01	PR132-S05-057082-20251016	Solid	10/16/2025	10:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-02	PR132-DP01-20251016	Solid	10/16/2025	10:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-03	PR132-COMP2-20251016	Solid	10/16/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-04	PR132-S12-047072-20251016	Solid	10/16/2025	13:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-05	PR132-S12-020047-20251016	Solid	10/16/2025	13:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-07	PR132-FB01-20251016	Water	10/16/2025	13:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3376 AECO02	**Order Date :**	10/17/2025 10:34:00 AM	**Project Mgr :**	Yazmeen
Client Name :	AECOM	**Project Name :**	AE1-CTY 3.2.Z-PR-DOCK	**Report Type :**	NYS ASP A
Client Contact :	Rob Forstner	**Receive DateTime :**	10/16/2025 6:15:00 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Rob Forstner			**Date Signoff :**	10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 10/17/25 14:10

Received By : _____
Date / Time : 10/17/25 14:10

Storage Area : VOA Refridgerator Room

Rg #6
Rg 2
Rg #5