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

DATA PACKAGE

METALS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2555

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q2555

1) METALS DATA 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 12

9) Sample Data 13

- 9.1) OU4-TS-29-070925 14
- 9.2) OU4-TS-30-070925 15

10) METALS CALIBRATION DATA 16

- 10.1) Initial and Continuing Calibration Verification 17
- 10.2) CRDL Standard For AA & ICP 27
- 10.3) Initial and Continuing Calibration Blank Summary 28
- 10.4) Preparation Blank Summary 36
- 10.5) Interference Check Sample 38

11) METALS QC DATA 40

- 11.1) Matrix Spike Summary 41
- 11.2) Post Digest Spike Summary 43
- 11.3) Duplicate Sample Summary 44
- 11.4) Laboratory Control Sample Summary 46
- 11.5) Internal Standard Relative Intensity Summary8A 48
- 11.6) Internal Standard Relative Intensity Summary8B 54
- 11.7) ICP Serial Dilutions 62

12) METALS PREPARATION & INSTRUMENT DATA 63

13) PREPARATION & ANALYTICAL SUMMARY 64

- 13.1) Sample Preparation Summary 65
- 13.2) Analysis Run Log 67

14) METALS RAW DATA 70

- 14.1) METALS RAW DATA - ANALYTICAL 71
- 14.2) LB136476 71
- 14.3) LB136512 73
- 14.4) LB136601 538
- 14.5) METALS RAW DATA - PREP 745

14.5.1) PB168860 745
14.5.2) PB168856 748
15) Analytical Runlogs 751
16) Extraction Logs 760
16.1) PB168838.pdf 760
17) Standard Prep Logs 764
18) Shipping Document 936
18.1) Chain Of Custody 937
18.2) Lab Certificate 938
18.3) Internal COC 939

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

Cover Page

Order ID : Q2555

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2555-01	OU4-TS-29-070925
Q2555-02	OU4-TS-29-070925
Q2555-03	OU4-TS-30-070925
Q2555-04	OU4-TS-30-070925

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:03 am, Jul 25, 2025

Date: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2555
Test Name: SPLP Mercury,SPLP MetalGroup3

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 07/10/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup2, SPLP MetalGroup3, SPLP MetalGroup4, SVOCMS Group3 and VOCMS Group3. This data package contains results for SPLP Mercury,SPLP MetalGroup3.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (OU4-TS-29-070925MS) analysis met criteria for all compounds except for Barium, and Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (OU4-TS-29-070925MSD) analysis met criteria for all compounds except for Barium, and Silver due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
The Post Digest Spike (OU4-TS-29-070925A) analysis met criteria for all compounds except for Barium and Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

Q2555 SPLP all samples diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

Internal standard 89Y(1) and 89Y(2) was outside qc limit for samples Q2555-02+QCs and Q2555-04 in Original so for these samples affected parameters are reported from its Dilution.

In analytical Sequence LB136601, The % Recovery Outside limit for Beryllium of ICV01, CCV01 and LLICV01 but, no any sample parameter affected under these calibration. Only Internal standard 89Y(1&2) affected parameters are reported from this analytical sequence.

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_ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 9:04 am, Jul 25, 2025

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2555 MATRIX: Water

METHOD: 6020B,7470A

		NA	NO	YES
1.	Calibration Summary met criteria.			✓
2.	ICP Interference Check Sample Results Summary Submitted.			✓
3.	Serial Dilution Summary (if applicable) Submitted.			✓
4.	Laboratory Control Sample Summary (if applicable) Submitted.			✓
5.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Matrix Spike (OU4-TS-29-070925MS) analysis met criteria for all compounds except for Barium, and Silver due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (OU4-TS-29-070925MSD) analysis met criteria for all compounds except for Barium, and Silver due to Chemical Interference during Digestion Process.			
7.	Sample Duplicate Analysis Met QC Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Duplicate analysis met criteria for all compounds.			
8.	Digestion Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS: The Post Digest Spike (OU4-TS-29-070925A) analysis met criteria for all compounds except for Barium and Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

Q2555 SPLP all samples diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

Internal standard 89Y(1) and 89Y(2) was outside qc limit for samples Q2555-02+QCs and Q2555-04 in Original so for these samples affected parameters are reported from 5X Dilution.

In analytical Sequence LB136601, The % Recovery Outside limit for Beryllium of ICV01, CCV01 and LLICV01 but, no any sample parameter affected under these calibration. Only Internal standard 89Y(1&2) affected parameters are reported from this analytical sequence.

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

REVIEWED
By Sohil Jodhani, QA/QC Director at 8:41 am, Jul 25, 2025

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2555

	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:** 07/24/2025

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

LAB CHRONICLE

OrderID:	Q2555	**OrderDate:**	7/10/2025 10:17:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-02	**OU4-TS-29-070925**	**Water**			**07/09/25**			**07/10/25**
			SPLP Mercury	7470A		07/15/25	07/15/25	
			SPLP MetalGroup3	6020B		07/15/25	07/16/25	
			SPLP MetalGroup3	6020B		07/15/25	07/24/25	
Q2555-04	**OU4-TS-30-070925**	**Water**			**07/09/25**			**07/10/25**
			SPLP Mercury	7470A		07/15/25	07/15/25	
			SPLP MetalGroup3	6020B		07/15/25	07/16/25	
			SPLP MetalGroup3	6020B		07/15/25	07/24/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2555 **Order ID:** Q2555

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-29-070925									
Q2555-02	OU4-TS-29-070925	Water	Arsenic	127	D	8.90	25.0	100	ug/L
Q2555-02	OU4-TS-29-070925	Water	Barium	120	D	1.05	6.25	50.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Beryllium	16.6	D	1.60	3.75	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Cadmium	9.60	D	1.70	2.50	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Chromium	53.3	D	1.05	3.75	10.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Copper	442	D	1.50	7.50	10.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Lead	81.4	D	1.05	3.75	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Nickel	217	D	1.35	3.75	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Silver	0.45	JD	0.30	2.50	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Thallium	0.40	JD	0.30	2.50	5.00	ug/L
Q2555-02	OU4-TS-29-070925	Water	Vanadium	129	D	0.39	1.25	25.0	ug/L
Q2555-02	OU4-TS-29-070925	Water	Zinc	1670	D	6.25	7.50	25.0	ug/L
Client ID : OU4-TS-30-070925									
Q2555-04	OU4-TS-30-070925	Water	Arsenic	53.0	D	4.45	12.5	50.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Barium	109	D	1.05	6.25	50.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Beryllium	17.7	D	1.60	3.75	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Cadmium	10.8	D	1.70	2.50	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Chromium	54.7	D	1.05	3.75	10.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Copper	468	D	1.50	7.50	10.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Lead	75.4	D	1.05	3.75	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Nickel	238	D	1.35	3.75	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Silver	0.50	JD	0.30	2.50	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Thallium	0.35	JD	0.30	2.50	5.00	ug/L
Q2555-04	OU4-TS-30-070925	Water	Vanadium	133	D	0.39	1.25	25.0	ug/L
Q2555-04	OU4-TS-30-070925	Water	Zinc	1630	D	6.25	7.50	25.0	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UD	5	0.55	1.25	10.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-38-2	Arsenic	127	D	100	8.90	25.0	100	ug/L	07/15/25 12:32	07/24/25 12:04	6020B	3010A
7440-39-3	Barium	120	DN	5	1.05	6.25	50.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-41-7	Beryllium	16.6	D	5	1.60	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-43-9	Cadmium	9.60	D	5	1.70	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-47-3	Chromium	53.3	D	5	1.05	3.75	10.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-50-8	Copper	442	D	5	1.50	7.50	10.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7439-92-1	Lead	81.4	D	5	1.05	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	07/15/25 08:35	07/15/25 13:34	7470A	
7440-02-0	Nickel	217	D	5	1.35	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7782-49-2	Selenium	450	UD	100	290	450	500	ug/L	07/15/25 12:32	07/24/25 12:04	6020B	3010A
7440-22-4	Silver	0.45	JDN	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-28-0	Thallium	0.40	JD	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-62-2	Vanadium	129	D	5	0.39	1.25	25.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A
7440-66-6	Zinc	1670	D	5	6.25	7.50	25.0	ug/L	07/15/25 12:32	07/16/25 16:46	6020B	3010A

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

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

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.25	UD	5	0.55	1.25	10.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-38-2	Arsenic	53.0	D	50	4.45	12.5	50.0	ug/L	07/15/25 12:32	07/24/25 12:24	6020B	3010A
7440-39-3	Barium	109	DN	5	1.05	6.25	50.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-41-7	Beryllium	17.7	D	5	1.60	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-43-9	Cadmium	10.8	D	5	1.70	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-47-3	Chromium	54.7	D	5	1.05	3.75	10.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-50-8	Copper	468	D	5	1.50	7.50	10.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7439-92-1	Lead	75.4	D	5	1.05	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	07/15/25 08:35	07/15/25 13:50	7470A	
7440-02-0	Nickel	238	D	5	1.35	3.75	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/15/25 12:32	07/24/25 12:24	6020B	3010A
7440-22-4	Silver	0.50	JDN	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-28-0	Thallium	0.35	JD	5	0.30	2.50	5.00	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-62-2	Vanadium	133	D	5	0.39	1.25	25.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A
7440-66-6	Zinc	1630	D	5	6.25	7.50	25.0	ug/L	07/15/25 12:32	07/16/25 17:19	6020B	3010A

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

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

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

METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group
SDG No.: Q2555
Contract: NOBI03
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV27	Mercury	3.81	4.0	95	90 - 110	CV	07/15/2025	12:06	LB136476

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Mercury	5.31	5.0	106	90 - 110	CV	07/15/2025	12:11	LB136476
CCV02	Mercury	5.14	5.0	103	90 - 110	CV	07/15/2025	12:48	LB136476
CCV03	Mercury	5.16	5.0	103	90 - 110	CV	07/15/2025	13:16	LB136476
CCV04	Mercury	4.72	5.0	94	90 - 110	CV	07/15/2025	13:53	LB136476
CCV05	Mercury	4.82	5.0	96	90 - 110	CV	07/15/2025	14:22	LB136476

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	190	200	95	90 - 110	P	07/16/2025	11:30	LB136512
	Arsenic	212	200	106	90 - 110	P	07/16/2025	11:30	LB136512
	Barium	97.1	100	97	90 - 110	P	07/16/2025	11:30	LB136512
	Beryllium	94.9	100	95	90 - 110	P	07/16/2025	11:30	LB136512
	Cadmium	104	100	104	90 - 110	P	07/16/2025	11:30	LB136512
	Chromium	98.9	100	99	90 - 110	P	07/16/2025	11:30	LB136512
	Copper	95.2	100	95	90 - 110	P	07/16/2025	11:30	LB136512
	Lead	210	200	105	90 - 110	P	07/16/2025	11:30	LB136512
	Nickel	112	110	102	90 - 110	P	07/16/2025	11:30	LB136512
	Selenium	205	200	102	90 - 110	P	07/16/2025	11:30	LB136512
	Silver	54.4	50.0	109	90 - 110	P	07/16/2025	11:30	LB136512
	Thallium	213	210	102	90 - 110	P	07/16/2025	11:30	LB136512
	Vanadium	93.5	100	94	90 - 110	P	07/16/2025	11:30	LB136512
	Zinc	192	200	96	90 - 110	P	07/16/2025	11:30	LB136512

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Antimony	2.06	2.0	103	80 - 120	P	07/16/2025	11:40	LB136512
	Arsenic	1.06	1.0	106	80 - 120	P	07/16/2025	11:40	LB136512
	Barium	9.52	10.0	95	80 - 120	P	07/16/2025	11:40	LB136512
	Beryllium	1.18	1.0	118	80 - 120	P	07/16/2025	11:40	LB136512
	Cadmium	1.01	1.0	101	80 - 120	P	07/16/2025	11:40	LB136512
	Chromium	1.96	2.0	98	80 - 120	P	07/16/2025	11:40	LB136512
	Copper	1.98	2.0	99	80 - 120	P	07/16/2025	11:40	LB136512
	Lead	0.80	1.0	80	80 - 120	P	07/16/2025	11:40	LB136512
	Nickel	0.99	1.0	99	80 - 120	P	07/16/2025	11:40	LB136512
	Selenium	4.99	5.0	100	80 - 120	P	07/16/2025	11:40	LB136512
	Silver	1.11	1.0	111	80 - 120	P	07/16/2025	11:40	LB136512
	Thallium	0.91	1.0	91	80 - 120	P	07/16/2025	11:40	LB136512
	Vanadium	4.83	5.0	97	80 - 120	P	07/16/2025	11:40	LB136512
	Zinc	4.70	5.0	94	80 - 120	P	07/16/2025	11:40	LB136512

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	508	500	102	90 - 110	P	07/16/2025	12:51	LB136512
	Arsenic	511	500	102	90 - 110	P	07/16/2025	12:51	LB136512
	Barium	2540	2500	102	90 - 110	P	07/16/2025	12:51	LB136512
	Beryllium	539	500	108	90 - 110	P	07/16/2025	12:51	LB136512
	Cadmium	482	500	96	90 - 110	P	07/16/2025	12:51	LB136512
	Chromium	532	500	106	90 - 110	P	07/16/2025	12:51	LB136512
	Copper	5370	5000	108	90 - 110	P	07/16/2025	12:51	LB136512
	Lead	2610	2500	104	90 - 110	P	07/16/2025	12:51	LB136512
	Nickel	524	500	105	90 - 110	P	07/16/2025	12:51	LB136512
	Selenium	479	500	96	90 - 110	P	07/16/2025	12:51	LB136512
	Silver	500	500	100	90 - 110	P	07/16/2025	12:51	LB136512
	Thallium	516	500	103	90 - 110	P	07/16/2025	12:51	LB136512
	Vanadium	532	500	106	90 - 110	P	07/16/2025	12:51	LB136512
	Zinc	5260	5000	105	90 - 110	P	07/16/2025	12:51	LB136512
CCV02	Antimony	508	500	102	90 - 110	P	07/16/2025	13:41	LB136512
	Arsenic	499	500	100	90 - 110	P	07/16/2025	13:41	LB136512
	Barium	2530	2500	101	90 - 110	P	07/16/2025	13:41	LB136512
	Beryllium	536	500	107	90 - 110	P	07/16/2025	13:41	LB136512
	Cadmium	477	500	95	90 - 110	P	07/16/2025	13:41	LB136512
	Chromium	523	500	105	90 - 110	P	07/16/2025	13:41	LB136512
	Copper	5200	5000	104	90 - 110	P	07/16/2025	13:41	LB136512
	Lead	2580	2500	103	90 - 110	P	07/16/2025	13:41	LB136512
	Nickel	506	500	101	90 - 110	P	07/16/2025	13:41	LB136512
	Selenium	485	500	97	90 - 110	P	07/16/2025	13:41	LB136512
	Silver	462	500	92	90 - 110	P	07/16/2025	13:41	LB136512
	Thallium	521	500	104	90 - 110	P	07/16/2025	13:41	LB136512
	Vanadium	521	500	104	90 - 110	P	07/16/2025	13:41	LB136512
	Zinc	5120	5000	102	90 - 110	P	07/16/2025	13:41	LB136512
CCV03	Antimony	520	500	104	90 - 110	P	07/16/2025	14:40	LB136512
	Arsenic	511	500	102	90 - 110	P	07/16/2025	14:40	LB136512
	Barium	2590	2500	104	90 - 110	P	07/16/2025	14:40	LB136512
	Beryllium	540	500	108	90 - 110	P	07/16/2025	14:40	LB136512
	Cadmium	480	500	96	90 - 110	P	07/16/2025	14:40	LB136512
	Chromium	520	500	104	90 - 110	P	07/16/2025	14:40	LB136512

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Copper	5310	5000	106	90 - 110	P	07/16/2025	14:40	LB136512
	Lead	2630	2500	105	90 - 110	P	07/16/2025	14:40	LB136512
	Nickel	510	500	102	90 - 110	P	07/16/2025	14:40	LB136512
	Selenium	483	500	97	90 - 110	P	07/16/2025	14:40	LB136512
	Silver	526	500	105	90 - 110	P	07/16/2025	14:40	LB136512
	Thallium	529	500	106	90 - 110	P	07/16/2025	14:40	LB136512
	Vanadium	528	500	106	90 - 110	P	07/16/2025	14:40	LB136512
	Zinc	5210	5000	104	90 - 110	P	07/16/2025	14:40	LB136512
CCV04	Antimony	544	500	109	90 - 110	P	07/16/2025	15:45	LB136512
	Arsenic	514	500	103	90 - 110	P	07/16/2025	15:45	LB136512
	Barium	2690	2500	108	90 - 110	P	07/16/2025	15:45	LB136512
	Beryllium	550	500	110	90 - 110	P	07/16/2025	15:45	LB136512
	Cadmium	499	500	100	90 - 110	P	07/16/2025	15:45	LB136512
	Chromium	523	500	104	90 - 110	P	07/16/2025	15:45	LB136512
	Copper	5280	5000	106	90 - 110	P	07/16/2025	15:45	LB136512
	Lead	2680	2500	107	90 - 110	P	07/16/2025	15:45	LB136512
	Nickel	512	500	102	90 - 110	P	07/16/2025	15:45	LB136512
	Selenium	489	500	98	90 - 110	P	07/16/2025	15:45	LB136512
	Silver	543	500	109	90 - 110	P	07/16/2025	15:45	LB136512
	Thallium	544	500	109	90 - 110	P	07/16/2025	15:45	LB136512
	Vanadium	531	500	106	90 - 110	P	07/16/2025	15:45	LB136512
	Zinc	5210	5000	104	90 - 110	P	07/16/2025	15:45	LB136512
CCV05	Antimony	530	500	106	90 - 110	P	07/16/2025	17:02	LB136512
	Arsenic	509	500	102	90 - 110	P	07/16/2025	17:02	LB136512
	Barium	2630	2500	105	90 - 110	P	07/16/2025	17:02	LB136512
	Beryllium	549	500	110	90 - 110	P	07/16/2025	17:02	LB136512
	Cadmium	474	500	95	90 - 110	P	07/16/2025	17:02	LB136512
	Chromium	529	500	106	90 - 110	P	07/16/2025	17:02	LB136512
	Copper	5290	5000	106	90 - 110	P	07/16/2025	17:02	LB136512
	Lead	2630	2500	105	90 - 110	P	07/16/2025	17:02	LB136512
	Nickel	515	500	103	90 - 110	P	07/16/2025	17:02	LB136512
	Selenium	483	500	97	90 - 110	P	07/16/2025	17:02	LB136512
	Silver	512	500	102	90 - 110	P	07/16/2025	17:02	LB136512
	Thallium	533	500	107	90 - 110	P	07/16/2025	17:02	LB136512

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Vanadium	537	500	107	90 - 110	P	07/16/2025	17:02	LB136512
	Zinc	5240	5000	105	90 - 110	P	07/16/2025	17:02	LB136512
CCV06	Antimony	524	500	105	90 - 110	P	07/16/2025	17:57	LB136512
	Arsenic	502	500	100	90 - 110	P	07/16/2025	17:57	LB136512
	Barium	2630	2500	105	90 - 110	P	07/16/2025	17:57	LB136512
	Beryllium	549	500	110	90 - 110	P	07/16/2025	17:57	LB136512
	Cadmium	477	500	95	90 - 110	P	07/16/2025	17:57	LB136512
	Chromium	525	500	105	90 - 110	P	07/16/2025	17:57	LB136512
	Copper	5320	5000	106	90 - 110	P	07/16/2025	17:57	LB136512
	Lead	2610	2500	104	90 - 110	P	07/16/2025	17:57	LB136512
	Nickel	502	500	100	90 - 110	P	07/16/2025	17:57	LB136512
	Selenium	474	500	95	90 - 110	P	07/16/2025	17:57	LB136512
	Silver	527	500	106	90 - 110	P	07/16/2025	17:57	LB136512
	Thallium	523	500	104	90 - 110	P	07/16/2025	17:57	LB136512
	Vanadium	524	500	105	90 - 110	P	07/16/2025	17:57	LB136512
	Zinc	5160	5000	103	90 - 110	P	07/16/2025	17:57	LB136512

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	419	400	105	90 - 110	P	07/24/2025	11:25	LB136601
	Arsenic	433	400	108	90 - 110	P	07/24/2025	11:25	LB136601
	Barium	1720	1600	108	90 - 110	P	07/24/2025	11:25	LB136601
	Beryllium	47.9	40.0	120	90 - 110	P	07/24/2025	11:25	LB136601
	Cadmium	219	200	110	90 - 110	P	07/24/2025	11:25	LB136601
	Chromium	152	160	95	90 - 110	P	07/24/2025	11:25	LB136601
	Copper	186	200	93	90 - 110	P	07/24/2025	11:25	LB136601
	Lead	393	400	98	90 - 110	P	07/24/2025	11:25	LB136601
	Nickel	429	400	107	90 - 110	P	07/24/2025	11:25	LB136601
	Selenium	436	400	109	90 - 110	P	07/24/2025	11:25	LB136601
	Silver	212	200	106	90 - 110	P	07/24/2025	11:25	LB136601
	Thallium	409	400	102	90 - 110	P	07/24/2025	11:25	LB136601
	Vanadium	391	400	98	90 - 110	P	07/24/2025	11:25	LB136601
	Zinc	380	400	95	90 - 110	P	07/24/2025	11:25	LB136601

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Antimony	1.85	2.0	92	80 - 120	P	07/24/2025	11:34	LB136601
	Arsenic	1.12	1.0	112	80 - 120	P	07/24/2025	11:34	LB136601
	Barium	9.01	10.0	90	80 - 120	P	07/24/2025	11:34	LB136601
	Beryllium	1.25	1.0	125	80 - 120	P	07/24/2025	11:34	LB136601
	Cadmium	1.10	1.0	110	80 - 120	P	07/24/2025	11:34	LB136601
	Chromium	1.87	2.0	94	80 - 120	P	07/24/2025	11:34	LB136601
	Copper	1.92	2.0	96	80 - 120	P	07/24/2025	11:34	LB136601
	Lead	0.88	1.0	88	80 - 120	P	07/24/2025	11:34	LB136601
	Nickel	1.11	1.0	111	80 - 120	P	07/24/2025	11:34	LB136601
	Selenium	5.50	5.0	110	80 - 120	P	07/24/2025	11:34	LB136601
	Silver	0.95	1.0	95	80 - 120	P	07/24/2025	11:34	LB136601
	Thallium	0.86	1.0	86	80 - 120	P	07/24/2025	11:34	LB136601
	Vanadium	4.61	5.0	92	80 - 120	P	07/24/2025	11:34	LB136601
	Zinc	5.02	5.0	100	80 - 120	P	07/24/2025	11:34	LB136601

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	511	500	102	90 - 110	P	07/24/2025	11:52	LB136601
	Arsenic	503	500	101	90 - 110	P	07/24/2025	11:52	LB136601
	Barium	2570	2500	103	90 - 110	P	07/24/2025	11:52	LB136601
	Beryllium	559	500	112	90 - 110	P	07/24/2025	11:52	LB136601
	Cadmium	522	500	104	90 - 110	P	07/24/2025	11:52	LB136601
	Chromium	524	500	105	90 - 110	P	07/24/2025	11:52	LB136601
	Copper	5330	5000	107	90 - 110	P	07/24/2025	11:52	LB136601
	Lead	2600	2500	104	90 - 110	P	07/24/2025	11:52	LB136601
	Nickel	498	500	100	90 - 110	P	07/24/2025	11:52	LB136601
	Selenium	493	500	99	90 - 110	P	07/24/2025	11:52	LB136601
	Silver	525	500	105	90 - 110	P	07/24/2025	11:52	LB136601
	Thallium	522	500	104	90 - 110	P	07/24/2025	11:52	LB136601
	Vanadium	528	500	106	90 - 110	P	07/24/2025	11:52	LB136601
	Zinc	5200	5000	104	90 - 110	P	07/24/2025	11:52	LB136601
CCV02	Antimony	504	500	101	90 - 110	P	07/24/2025	12:39	LB136601
	Arsenic	490	500	98	90 - 110	P	07/24/2025	12:39	LB136601
	Barium	2550	2500	102	90 - 110	P	07/24/2025	12:39	LB136601
	Beryllium	541	500	108	90 - 110	P	07/24/2025	12:39	LB136601
	Cadmium	520	500	104	90 - 110	P	07/24/2025	12:39	LB136601
	Chromium	512	500	102	90 - 110	P	07/24/2025	12:39	LB136601
	Copper	5170	5000	103	90 - 110	P	07/24/2025	12:39	LB136601
	Lead	2560	2500	102	90 - 110	P	07/24/2025	12:39	LB136601
	Nickel	483	500	97	90 - 110	P	07/24/2025	12:39	LB136601
	Selenium	480	500	96	90 - 110	P	07/24/2025	12:39	LB136601
	Silver	527	500	105	90 - 110	P	07/24/2025	12:39	LB136601
	Thallium	522	500	104	90 - 110	P	07/24/2025	12:39	LB136601
	Vanadium	513	500	103	90 - 110	P	07/24/2025	12:39	LB136601
	Zinc	5050	5000	101	90 - 110	P	07/24/2025	12:39	LB136601

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.23	0.2	116	70 - 130	CV	07/15/2025	12:21	LB136476
CRI	Antimony	2.05	2.0	102	70 - 130	P	07/16/2025	13:02	LB136512
	Arsenic	1.19	1.0	119	70 - 130	P	07/16/2025	13:02	LB136512
	Barium	9.32	10.0	93	70 - 130	P	07/16/2025	13:02	LB136512
	Beryllium	1.17	1.0	117	70 - 130	P	07/16/2025	13:02	LB136512
	Cadmium	0.95	1.0	95	70 - 130	P	07/16/2025	13:02	LB136512
	Chromium	1.93	2.0	96	70 - 130	P	07/16/2025	13:02	LB136512
	Copper	2.08	2.0	104	70 - 130	P	07/16/2025	13:02	LB136512
	Lead	0.79	1.0	79	70 - 130	P	07/16/2025	13:02	LB136512
	Nickel	1.00	1.0	100	70 - 130	P	07/16/2025	13:02	LB136512
	Selenium	4.81	5.0	96	70 - 130	P	07/16/2025	13:02	LB136512
	Silver	1.06	1.0	106	70 - 130	P	07/16/2025	13:02	LB136512
	Thallium	0.99	1.0	99	70 - 130	P	07/16/2025	13:02	LB136512
	Vanadium	4.77	5.0	95	70 - 130	P	07/16/2025	13:02	LB136512
	Zinc	4.89	5.0	98	50 - 150	P	07/16/2025	13:02	LB136512
CRI	Antimony	1.77	2.0	88	70 - 130	P	07/24/2025	12:01	LB136601
	Arsenic	0.98	1.0	98	70 - 130	P	07/24/2025	12:01	LB136601
	Barium	8.47	10.0	85	70 - 130	P	07/24/2025	12:01	LB136601
	Beryllium	1.14	1.0	114	70 - 130	P	07/24/2025	12:01	LB136601
	Cadmium	0.89	1.0	89	70 - 130	P	07/24/2025	12:01	LB136601
	Chromium	1.81	2.0	90	70 - 130	P	07/24/2025	12:01	LB136601
	Copper	1.79	2.0	90	70 - 130	P	07/24/2025	12:01	LB136601
	Lead	0.75	1.0	75	70 - 130	P	07/24/2025	12:01	LB136601
	Nickel	0.95	1.0	95	70 - 130	P	07/24/2025	12:01	LB136601
	Selenium	4.70	5.0	94	70 - 130	P	07/24/2025	12:01	LB136601
	Silver	0.96	1.0	96	70 - 130	P	07/24/2025	12:01	LB136601
	Thallium	0.92	1.0	92	70 - 130	P	07/24/2025	12:01	LB136601
	Vanadium	4.38	5.0	88	70 - 130	P	07/24/2025	12:01	LB136601
	Zinc	4.87	5.0	97	50 - 150	P	07/24/2025	12:01	LB136601

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB27	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/15/2025	12:08	LB136476

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/15/2025	12:13	LB136476
CCB02	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/15/2025	12:51	LB136476
CCB03	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/15/2025	13:18	LB136476
CCB04	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/15/2025	13:58	LB136476
CCB05	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/15/2025	14:27	LB136476

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	0.11	+/-1	U	0.25	2.00	P	07/16/2025	11:47	LB136512
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/16/2025	11:47	LB136512
	Barium	0.21	+/-5	U	1.25	10.0	P	07/16/2025	11:47	LB136512
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/16/2025	11:47	LB136512
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/16/2025	11:47	LB136512
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/16/2025	11:47	LB136512
	Copper	0.30	+/-1	U	1.50	2.00	P	07/16/2025	11:47	LB136512
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/16/2025	11:47	LB136512
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/16/2025	11:47	LB136512
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/16/2025	11:47	LB136512
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/16/2025	11:47	LB136512
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/16/2025	11:47	LB136512
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/16/2025	11:47	LB136512
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/16/2025	11:47	LB136512

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	0.11	+/-1	U	0.25	2.00	P	07/16/2025	12:59	LB136512
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/16/2025	12:59	LB136512
	Barium	0.21	+/-5	U	1.25	10.0	P	07/16/2025	12:59	LB136512
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/16/2025	12:59	LB136512
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/16/2025	12:59	LB136512
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/16/2025	12:59	LB136512
	Copper	0.30	+/-1	U	1.50	2.00	P	07/16/2025	12:59	LB136512
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/16/2025	12:59	LB136512
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/16/2025	12:59	LB136512
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/16/2025	12:59	LB136512
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/16/2025	12:59	LB136512
	Thallium	0.080	+/-0.5	J	0.50	1.00	P	07/16/2025	12:59	LB136512
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/16/2025	12:59	LB136512
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/16/2025	12:59	LB136512
CCB02	Antimony	0.11	+/-1	U	0.25	2.00	P	07/16/2025	13:47	LB136512
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/16/2025	13:47	LB136512
	Barium	0.21	+/-5	U	1.25	10.0	P	07/16/2025	13:47	LB136512
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/16/2025	13:47	LB136512
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/16/2025	13:47	LB136512
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/16/2025	13:47	LB136512
	Copper	0.30	+/-1	U	1.50	2.00	P	07/16/2025	13:47	LB136512
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/16/2025	13:47	LB136512
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/16/2025	13:47	LB136512
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/16/2025	13:47	LB136512
	Silver	0.21	+/-0.5	J	0.50	1.00	P	07/16/2025	13:47	LB136512
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/16/2025	13:47	LB136512
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/16/2025	13:47	LB136512
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/16/2025	13:47	LB136512
CCB03	Antimony	0.11	+/-1	U	0.25	2.00	P	07/16/2025	14:50	LB136512
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/16/2025	14:50	LB136512
	Barium	0.21	+/-5	U	1.25	10.0	P	07/16/2025	14:50	LB136512
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/16/2025	14:50	LB136512
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/16/2025	14:50	LB136512
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/16/2025	14:50	LB136512
	Copper	0.30	+/-1	U	1.50	2.00	P	07/16/2025	14:50	LB136512
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/16/2025	14:50	LB136512
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/16/2025	14:50	LB136512
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/16/2025	14:50	LB136512
	Silver	0.060	+/-0.5	J	0.50	1.00	P	07/16/2025	14:50	LB136512

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/16/2025	14:50	LB136512
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/16/2025	14:50	LB136512
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/16/2025	14:50	LB136512
CCB04	Antimony	0.11	+/-1	U	0.25	2.00	P	07/16/2025	15:54	LB136512
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/16/2025	15:54	LB136512
	Barium	0.21	+/-5	U	1.25	10.0	P	07/16/2025	15:54	LB136512
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/16/2025	15:54	LB136512
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/16/2025	15:54	LB136512
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/16/2025	15:54	LB136512
	Copper	0.30	+/-1	U	1.50	2.00	P	07/16/2025	15:54	LB136512
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/16/2025	15:54	LB136512
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/16/2025	15:54	LB136512
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/16/2025	15:54	LB136512
	Silver	0.080	+/-0.5	J	0.50	1.00	P	07/16/2025	15:54	LB136512
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/16/2025	15:54	LB136512
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/16/2025	15:54	LB136512
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/16/2025	15:54	LB136512
CCB05	Antimony	0.11	+/-1	U	0.25	2.00	P	07/16/2025	17:08	LB136512
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/16/2025	17:08	LB136512
	Barium	0.21	+/-5	U	1.25	10.0	P	07/16/2025	17:08	LB136512
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/16/2025	17:08	LB136512
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/16/2025	17:08	LB136512
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/16/2025	17:08	LB136512
	Copper	0.30	+/-1	U	1.50	2.00	P	07/16/2025	17:08	LB136512
	Lead	0.50	+/-0.5	J	0.75	1.00	P	07/16/2025	17:08	LB136512
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/16/2025	17:08	LB136512
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/16/2025	17:08	LB136512
	Silver	0.080	+/-0.5	J	0.50	1.00	P	07/16/2025	17:08	LB136512
	Thallium	0.070	+/-0.5	J	0.50	1.00	P	07/16/2025	17:08	LB136512
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/16/2025	17:08	LB136512
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/16/2025	17:08	LB136512
CCB06	Antimony	0.11	+/-1	U	0.25	2.00	P	07/16/2025	18:05	LB136512
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/16/2025	18:05	LB136512
	Barium	0.21	+/-5	U	1.25	10.0	P	07/16/2025	18:05	LB136512
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/16/2025	18:05	LB136512
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/16/2025	18:05	LB136512
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/16/2025	18:05	LB136512
	Copper	0.30	+/-1	U	1.50	2.00	P	07/16/2025	18:05	LB136512
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/16/2025	18:05	LB136512

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/16/2025	18:05	LB136512
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/16/2025	18:05	LB136512
	Silver	0.14	+/-0.5	J	0.50	1.00	P	07/16/2025	18:05	LB136512
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/16/2025	18:05	LB136512
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/16/2025	18:05	LB136512
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/16/2025	18:05	LB136512

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	0.11	+/-1	U	0.25	2.00	P	07/24/2025	11:38	LB136601
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/24/2025	11:38	LB136601
	Barium	0.21	+/-5	U	1.25	10.0	P	07/24/2025	11:38	LB136601
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/24/2025	11:38	LB136601
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/24/2025	11:38	LB136601
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/24/2025	11:38	LB136601
	Copper	0.30	+/-1	U	1.50	2.00	P	07/24/2025	11:38	LB136601
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/24/2025	11:38	LB136601
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/24/2025	11:38	LB136601
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/24/2025	11:38	LB136601
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/24/2025	11:38	LB136601
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/24/2025	11:38	LB136601
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/24/2025	11:38	LB136601
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/24/2025	11:38	LB136601

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	0.11	+/-1	U	0.25	2.00	P	07/24/2025	11:57	LB136601
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/24/2025	11:57	LB136601
	Barium	0.21	+/-5	U	1.25	10.0	P	07/24/2025	11:57	LB136601
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/24/2025	11:57	LB136601
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/24/2025	11:57	LB136601
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/24/2025	11:57	LB136601
	Copper	0.30	+/-1	U	1.50	2.00	P	07/24/2025	11:57	LB136601
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/24/2025	11:57	LB136601
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/24/2025	11:57	LB136601
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/24/2025	11:57	LB136601
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/24/2025	11:57	LB136601
	Thallium	0.090	+/-0.5	J	0.50	1.00	P	07/24/2025	11:57	LB136601
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/24/2025	11:57	LB136601
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/24/2025	11:57	LB136601
CCB02	Antimony	0.11	+/-1	U	0.25	2.00	P	07/24/2025	12:45	LB136601
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/24/2025	12:45	LB136601
	Barium	0.21	+/-5	U	1.25	10.0	P	07/24/2025	12:45	LB136601
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/24/2025	12:45	LB136601
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/24/2025	12:45	LB136601
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/24/2025	12:45	LB136601
	Copper	0.30	+/-1	U	1.50	2.00	P	07/24/2025	12:45	LB136601
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/24/2025	12:45	LB136601
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/24/2025	12:45	LB136601
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/24/2025	12:45	LB136601
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/24/2025	12:45	LB136601
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/24/2025	12:45	LB136601
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/24/2025	12:45	LB136601
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/24/2025	12:45	LB136601

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168860BL		**WATER**		**Batch Number:**		**PB168860**		**Prep Date:**	**07/15/2025**	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	07/15/2025	13:27	LB136476
Sample ID	**Analyte**	**Result (ug/L)**	**Acceptance Limit**	**Conc Qual**	LOD **ug/L**	**CRQL ug/L**	**M**	**Analysis Date**	**Analysis Time**	**Run**
PB168860TB		**WATER**		**Batch Number:**		**PB168860**		**Prep Date:**	**07/15/2025**	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	07/15/2025	14:11	LB136476

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168856BL		**WATER**		**Batch Number:**		**PB168856**		**Prep Date:**	**07/15/2025**	
	Antimony	0.11	<1	U	0.25	2.00	P	07/16/2025	16:14	LB136512
	Arsenic	0.089	<0.5	U	0.25	1.00	P	07/16/2025	16:14	LB136512
	Barium	0.21	<5	U	1.25	10.0	P	07/16/2025	16:14	LB136512
	Beryllium	0.32	<0.5	U	0.75	1.00	P	07/16/2025	16:14	LB136512
	Cadmium	0.34	<0.5	U	0.50	1.00	P	07/16/2025	16:14	LB136512
	Chromium	0.21	<1	U	0.75	2.00	P	07/16/2025	16:14	LB136512
	Copper	0.30	<1	U	1.50	2.00	P	07/16/2025	16:14	LB136512
	Lead	0.21	<0.5	U	0.75	1.00	P	07/16/2025	16:14	LB136512
	Nickel	0.27	<0.5	U	0.75	1.00	P	07/16/2025	16:14	LB136512
	Selenium	2.90	<2.5	U	4.50	5.00	P	07/16/2025	16:14	LB136512
	Silver	0.060	<0.5	U	0.50	1.00	P	07/16/2025	16:14	LB136512
	Thallium	0.060	<0.5	U	0.50	1.00	P	07/16/2025	16:14	LB136512
	Vanadium	0.077	<2.5	U	0.25	5.00	P	07/16/2025	16:14	LB136512
	Zinc	1.25	<2.5	U	1.50	5.00	P	07/16/2025	16:14	LB136512

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168856TB		**WATER**		**Batch Number:**		**PB168856**		**Prep Date:**	**07/15/2025**	
	Antimony	0.11	<1	U	0.25	2.00	P	07/16/2025	17:16	LB136512
	Arsenic	0.089	<0.5	U	0.25	1.00	P	07/16/2025	17:16	LB136512
	Barium	0.21	<5	U	1.25	10.0	P	07/16/2025	17:16	LB136512
	Beryllium	0.32	<0.5	U	0.75	1.00	P	07/16/2025	17:16	LB136512
	Cadmium	0.34	<0.5	U	0.50	1.00	P	07/16/2025	17:16	LB136512
	Chromium	0.21	<1	U	0.75	2.00	P	07/16/2025	17:16	LB136512
	Copper	0.30	<1	U	1.50	2.00	P	07/16/2025	17:16	LB136512
	Lead	0.21	<0.5	U	0.75	1.00	P	07/16/2025	17:16	LB136512
	Nickel	0.27	<0.5	U	0.75	1.00	P	07/16/2025	17:16	LB136512
	Selenium	2.90	<2.5	U	4.50	5.00	P	07/16/2025	17:16	LB136512
	Silver	0.060	<0.5	U	0.50	1.00	P	07/16/2025	17:16	LB136512
	Thallium	0.060	<0.5	U	0.50	1.00	P	07/16/2025	17:16	LB136512
	Vanadium	0.077	<2.5	U	0.25	5.00	P	07/16/2025	17:16	LB136512
	Zinc	1.25	<2.5	U	1.50	5.00	P	07/16/2025	17:16	LB136512

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Antimony	1.03	1.5	69	-2.5	5.5	07/16/2025	12:21	LB136512
	Arsenic	0.37	0.1	370	-1.9	2.1	07/16/2025	12:21	LB136512
	Barium	1.23	1.2	102	-18.8	21.2	07/16/2025	12:21	LB136512
	Beryllium	0.24			-2	2	07/16/2025	12:21	LB136512
	Cadmium	0.15	0.7	21	-1.3	2.7	07/16/2025	12:21	LB136512
	Chromium	19.3	21.0	92	17	25	07/16/2025	12:21	LB136512
	Copper	7.65	8.0	96	4	12	07/16/2025	12:21	LB136512
	Lead	3.68	4.0	92	2	6	07/16/2025	12:21	LB136512
	Nickel	4.49	6.0	75	4	8	07/16/2025	12:21	LB136512
	Selenium	0.11	0.3	37	-9.7	10	07/16/2025	12:21	LB136512
	Silver	0.040			-2	2	07/16/2025	12:21	LB136512
	Thallium	0.050			-2	2	07/16/2025	12:21	LB136512
	Vanadium	0.17	0.5	34	-9.5	10.5	07/16/2025	12:21	LB136512
	Zinc	11.0	11.0	100	1	21	07/16/2025	12:21	LB136512
ICSAB01	Antimony	18.2	22.0	83	18	26	07/16/2025	12:28	LB136512
	Arsenic	20.1	19.0	106	16.2	21.9	07/16/2025	12:28	LB136512
	Barium	18.1	22.0	82	2	42	07/16/2025	12:28	LB136512
	Beryllium	16.8	19.0	88	16.2	21.9	07/16/2025	12:28	LB136512
	Cadmium	17.5	20.0	88	17	23	07/16/2025	12:28	LB136512
	Chromium	42.2	40.0	106	34	46	07/16/2025	12:28	LB136512
	Copper	25.7	25.0	103	21	29	07/16/2025	12:28	LB136512
	Lead	26.3	25.0	105	21.3	28.8	07/16/2025	12:28	LB136512
	Nickel	27.1	24.0	113	20.4	27.6	07/16/2025	12:28	LB136512
	Selenium	17.8	19.0	94	9	29	07/16/2025	12:28	LB136512
	Silver	16.5	18.0	92	15.3	20.7	07/16/2025	12:28	LB136512
	Thallium	17.9	21.0	85	17.9	24.2	07/16/2025	12:28	LB136512
	Vanadium	18.1	19.0	95	9	29	07/16/2025	12:28	LB136512
	Zinc	29.0	29.0	100	19	39	07/16/2025	12:28	LB136512
ICSA01	Antimony	1.02	1.5	68	-2.5	5.5	07/24/2025	11:41	LB136601
	Arsenic	0.31	0.1	310	-1.9	2.1	07/24/2025	11:41	LB136601
	Barium	1.26	1.2	105	-18.8	21.2	07/24/2025	11:41	LB136601
	Beryllium	0.33			-2	2	07/24/2025	11:41	LB136601
	Cadmium	0.38	0.7	54	-1.3	2.7	07/24/2025	11:41	LB136601
	Chromium	19.2	21.0	91	17	25	07/24/2025	11:41	LB136601
	Copper	7.22	8.0	90	4	12	07/24/2025	11:41	LB136601
	Lead	3.87	4.0	97	2	6	07/24/2025	11:41	LB136601
	Nickel	5.57	6.0	93	4	8	07/24/2025	11:41	LB136601
	Selenium	0	0.3		-9.7	10	07/24/2025	11:41	LB136601
	Silver	0.040			-2	2	07/24/2025	11:41	LB136601
	Thallium	0.050			-2	2	07/24/2025	11:41	LB136601
	Vanadium	0.16	0.5	32	-9.5	10.5	07/24/2025	11:41	LB136601
	Zinc	10.8	11.0	98	1	21	07/24/2025	11:41	LB136601

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Antimony	19.0	22.0	86	18	26	07/24/2025	11:49	LB136601
	Arsenic	21.3	19.0	112	16.2	21.9	07/24/2025	11:49	LB136601
	Barium	19.2	22.0	87	2	42	07/24/2025	11:49	LB136601
	Beryllium	23.8	19.0	125	16.2	21.9	07/24/2025	11:49	LB136601
	Cadmium	21.5	20.0	108	17	23	07/24/2025	11:49	LB136601
	Chromium	43.4	40.0	108	34	46	07/24/2025	11:49	LB136601
	Copper	25.8	25.0	103	21	29	07/24/2025	11:49	LB136601
	Lead	23.7	25.0	95	21.3	28.8	07/24/2025	11:49	LB136601
	Nickel	30.1	24.0	125	20.4	27.6	07/24/2025	11:49	LB136601
	Selenium	21.5	19.0	113	9	29	07/24/2025	11:49	LB136601
	Silver	18.0	18.0	100	15.3	20.7	07/24/2025	11:49	LB136601
	Thallium	18.0	21.0	86	17.9	24.2	07/24/2025	11:49	LB136601
	Vanadium	18.6	19.0	98	9	29	07/24/2025	11:49	LB136601
	Zinc	29.1	29.0	100	19	39	07/24/2025	11:49	LB136601

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2555

contract: NOBI03 **lab code:** ACE

matrix: Water **sample id:** Q2555-02 **client id:** OU4-TS-29-070925MS

Percent Solids for Sample: NA **Spiked ID:** Q2555-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	447	D	10.0	UD	500	89		P
Arsenic	ug/L	84 - 116	562	D	127	D	500	87		P
Barium	ug/L	86 - 114	2040	D	120	D	2500	77	N	P
Beryllium	ug/L	83 - 121	551	D	16.6	D	500	107		P
Cadmium	ug/L	87 - 115	467	D	9.60	D	500	92		P
Chromium	ug/L	85 - 116	489	D	53.3	D	500	87		P
Copper	ug/L	85 - 118	5540	D	442	D	5000	102		P
Lead	ug/L	88 - 115	2600	D	81.4	D	2500	101		P
Nickel	ug/L	85 - 117	689	D	217	D	500	94		P
Mercury	ug/L	82 - 119	3.95		0.20	U	4.0	99		CV
Selenium	ug/L	80 - 120	418	JD	500	UD	500	84		P
Silver	ug/L	85 - 116	89.5	D	0.45	JD	500	18	N	P
Thallium	ug/L	82 - 116	409	D	0.40	JD	500	82		P
Vanadium	ug/L	86 - 115	567	D	129	D	500	88		P
Zinc	ug/L	83 - 119	5980	D	1670	D	5000	86		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2555

contract: NOBI03 **lab code:** ACE

matrix: Water **sample id:** Q2555-02 **client id:** OU4-TS-29-070925MSD

Percent Solids for Sample: NA **Spiked ID:** Q2555-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	445	D	10.0	UD	500	89		P
Arsenic	ug/L	84 - 116	626	D	127	D	500	100		P
Barium	ug/L	86 - 114	2040	D	120	D	2500	77	N	P
Beryllium	ug/L	83 - 121	553	D	16.6	D	500	107		P
Cadmium	ug/L	87 - 115	471	D	9.60	D	500	92		P
Chromium	ug/L	85 - 116	497	D	53.3	D	500	89		P
Copper	ug/L	85 - 118	5690	D	442	D	5000	105		P
Lead	ug/L	88 - 115	2610	D	81.4	D	2500	101		P
Nickel	ug/L	85 - 117	699	D	217	D	500	96		P
Mercury	ug/L	82 - 119	4.10		0.20	U	4.0	102		CV
Selenium	ug/L	80 - 120	465	JD	500	UD	500	93		P
Silver	ug/L	85 - 116	89.0	D	0.45	JD	500	18	N	P
Thallium	ug/L	82 - 116	415	D	0.40	JD	500	83		P
Vanadium	ug/L	86 - 115	576	D	129	D	500	89		P
Zinc	ug/L	83 - 119	6080	D	1670	D	5000	88		P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** OU4-TS-29-070925A

Sample ID: Q2555-02 **Spiked ID:** Q2555-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	86 - 114	2090	D	120	D	2500	79	N	P
Silver	ug/L	85 - 116	91.4	D	0.45	JD	500	18	N	P

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2555-02 **Client ID:** OU4-TS-29-070925DUP

Percent Solids for Sample: NA **Duplicate ID** Q2555-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	10.0	UD	10.0	UD			P
Arsenic	ug/L	20	127	D	148	D	15		P
Barium	ug/L	20	120	D	118	D	2		P
Beryllium	ug/L	20	16.6	D	16.9	D	2		P
Cadmium	ug/L	20	9.60	D	9.50	D	1		P
Chromium	ug/L	20	53.3	D	50.5	D	5		P
Copper	ug/L	20	442	D	420	D	5		P
Lead	ug/L	20	81.4	D	78.0	D	4		P
Nickel	ug/L	20	217	D	207	D	5		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Selenium	ug/L	20	500	UD	500	UD			P
Silver	ug/L	20	0.45	JD	0.45	JD	0		P
Thallium	ug/L	20	0.40	JD	0.35	JD	13		P
Vanadium	ug/L	20	129	D	124	D	4		P
Zinc	ug/L	20	1670	D	1610	D	4		P

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

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2555-02MS **Client ID:** OU4-TS-29-070925MSD

Percent Solids for Sample: NA **Duplicate ID** Q2555-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	447	D	445	D	0		P
Arsenic	ug/L	20	562	D	626	D	11		P
Barium	ug/L	20	2040	D	2040	D	0		P
Beryllium	ug/L	20	551	D	553	D	0		P
Cadmium	ug/L	20	467	D	471	D	1		P
Chromium	ug/L	20	489	D	497	D	2		P
Copper	ug/L	20	5540	D	5690	D	3		P
Lead	ug/L	20	2600	D	2610	D	0		P
Nickel	ug/L	20	689	D	699	D	1		P
Mercury	ug/L	20	3.95		4.10		4		CV
Selenium	ug/L	20	418	JD	465	JD	11		P
Silver	ug/L	20	89.5	D	89.0	D	1		P
Thallium	ug/L	20	409	D	415	D	1		P
Vanadium	ug/L	20	567	D	576	D	2		P
Zinc	ug/L	20	5980	D	6080	D	2		P

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

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168856BS							
Antimony	ug/L	500	523		105	85 - 117	P
Arsenic	ug/L	500	503		101	84 - 116	P
Barium	ug/L	2500	2570		103	86 - 114	P
Beryllium	ug/L	500	523		105	83 - 121	P
Cadmium	ug/L	500	465		93	87 - 115	P
Chromium	ug/L	500	513		103	85 - 116	P
Copper	ug/L	5000	5050		101	85 - 118	P
Lead	ug/L	2500	2510		100	88 - 115	P
Nickel	ug/L	500	512		102	85 - 117	P
Selenium	ug/L	500	494		99	80 - 120	P
Silver	ug/L	500	521		104	85 - 116	P
Thallium	ug/L	500	501		100	82 - 116	P
Vanadium	ug/L	500	506		101	86 - 115	P
Zinc	ug/L	5000	5040		101	83 - 119	P

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2555

Contract: NOBI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168860BS							
Mercury	ug/L	4.0	4.15		104	82 - 119	CV

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/16/2025
Run Number: LB136512
End Date : 07/16/2025

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	1055	100		100		100		100		100	
S2	S2	1058	100		99		100		99		102	
S3	S3	1105	100		97		98		98		100	
S4	S4	1108	98		96		97		97		100	
S5	S5	1111	96		95		97		96		99	
S6	S6	1114	96		97		100		96		102	
S7	S7	1117	93		98		100		97		103	
S8	S8	1120	90		103		104		96		103	
ICV01	ICV01	1130	89		106		108		107		103	
LLICV01	LLICV01	1140	90		108		108		107		102	
ICB01	ICB01	1147	91		105		107		105		102	
ICSA01	ICSA01	1221	83		105		109		105		113	
ICSAB01	ICSAB01	1228	81		102		114		109		118	
CCV01	CCV01	1251	80		104		111		104		111	
CCB01	CCB01	1259	83		105		112		110		111	
CRI	CRI	1302	85		105		113		112		112	
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1315										
ZZZZZZ	ZZZZZZ	1318										
ZZZZZZ	ZZZZZZ	1322										
ZZZZZZ	ZZZZZZ	1325										
ZZZZZZ	ZZZZZZ	1328										
ZZZZZZ	ZZZZZZ	1337										
CCV02	CCV02	1341	85		104		110		103		110	
CCB02	CCB02	1347	85		104		110		109		109	
ZZZZZZ	ZZZZZZ	1350										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1403										
ZZZZZZ	ZZZZZZ	1407										
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1416										
ZZZZZZ	ZZZZZZ	1419										

Internal Standard %RI Limit: 30 - 120

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2555

Instrument ID: P7 | Start Date : 07/16/2025

Run Number: LB136512 | End Date : 07/16/2025

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	1422										
CCV03	CCV03	1440	89		108		111		103		108	
CCB03	CCB03	1450	87		107		109		106		106	
ZZZZZZ	ZZZZZZ	1454										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1503										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
ZZZZZZ	ZZZZZZ	1516										
ZZZZZZ	ZZZZZZ	1519										
ZZZZZZ	ZZZZZZ	1523										
ZZZZZZ	ZZZZZZ	1526										
ZZZZZZ	ZZZZZZ	1529										
CCV04	CCV04	1545	88		110		110		101		104	
CCB04	CCB04	1554	88		108		109		107		103	
ZZZZZZ	ZZZZZZ	1558										
ZZZZZZ	ZZZZZZ	1601										
PB168856BL	PB168856BL	1614	89		110		107		107		104	
PB168856BS	PB168856BS	1618	92		110		111		106		107	
Q2555-02L	OU4-TS-29-0	1627	89		108		114		107		107	
Q2555-02MS	OU4-TS-29-0	1630	88		105		125	*	103		105	
Q2555-02MSD	OU4-TS-29-0	1633	88		105		127	*	104		108	
Q2555-02A	OU4-TS-29-0	1636	87		105		126	*	104		106	
Q2555-02DUP	OU4-TS-29-0	1642	86		105		128	*	105		107	
Q2555-02	OU4-TS-29-0	1646	83		101		124	*	100		104	
CCV05	CCV05	1702	84		105		107		98		103	
CCB05	CCB05	1708	88		109		110		108		108	
PB168856TB	PB168856TB	1716	89		109		111		109		106	
Q2555-04	OU4-TS-30-0	1719	91		110		137	*	109		109	
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
Q2555-04	OU4-TS-30-0	1734	88		113		128	*	112		111	
CCV06	CCV06	1757	87		113		114		106		110	
CCB06	CCB06	1805	83		108		111		108		105	

Internal Standard %RI Limit: 30 - 120

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/16/2025
Run Number: LB136512
End Date : 07/16/2025

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	1055	100		100		100		100		100	
S2	S2	1058	99		99		100		99		99	
S3	S3	1105	97		96		97		97		98	
S4	S4	1108	99		98		99		99		101	
S5	S5	1111	97		97		97		99		98	
S6	S6	1114	99		99		100		102		101	
S7	S7	1117	101		101		99		103		101	
S8	S8	1120	107		107		99		103		102	
ICV01	ICV01	1130	112		113		110		107		107	
LLICV01	LLICV01	1140	110		110		110		106		104	
ICB01	ICB01	1147	109		108		108		105		103	
ICSA01	ICSA01	1221	108		110		109		108		108	
ICSAB01	ICSAB01	1228	107		109		109		109		108	
CCV01	CCV01	1251	106		106		104		105		104	
CCB01	CCB01	1259	108		111		114		108		108	
CRI	CRI	1302	111		112		113		110		108	
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1315										
ZZZZZZ	ZZZZZZ	1318										
ZZZZZZ	ZZZZZZ	1322										
ZZZZZZ	ZZZZZZ	1325										
ZZZZZZ	ZZZZZZ	1328										
ZZZZZZ	ZZZZZZ	1337										
CCV02	CCV02	1341	109		110		104		108		107	
CCB02	CCB02	1347	107		108		109		106		106	
ZZZZZZ	ZZZZZZ	1350										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1403										
ZZZZZZ	ZZZZZZ	1407										
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1416										
ZZZZZZ	ZZZZZZ	1419										

Internal Standard %RI Limit: 30 - 120

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2555

Instrument ID: P7 | Start Date : 07/16/2025

Run Number: LB136512 | End Date : 07/16/2025

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	1422										
CCV03	CCV03	1440	109		108		103		108		106	
CCB03	CCB03	1450	106		108		108		105		103	
ZZZZZZ	ZZZZZZ	1454										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1503										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
ZZZZZZ	ZZZZZZ	1516										
ZZZZZZ	ZZZZZZ	1519										
ZZZZZZ	ZZZZZZ	1523										
ZZZZZZ	ZZZZZZ	1526										
ZZZZZZ	ZZZZZZ	1529										
CCV04	CCV04	1545	112		112		105		107		107	
CCB04	CCB04	1554	108		110		108		106		104	
ZZZZZZ	ZZZZZZ	1558										
ZZZZZZ	ZZZZZZ	1601										
PB168856BL	PB168856BL	1614	108		110		108		105		104	
PB168856BS	PB168856BS	1618	111		111		109		107		107	
Q2555-02L	OU4-TS-29-0	1627	106		111		107		105		105	
Q2555-02MS	OU4-TS-29-0	1630	105		125	*	105		105		105	
Q2555-02MSD	OU4-TS-29-0	1633	104		122	*	104		103		103	
Q2555-02A	OU4-TS-29-0	1636	104		122	*	105		105		104	
Q2555-02DUP	OU4-TS-29-0	1642	104		125	*	106		104		105	
Q2555-02	OU4-TS-29-0	1646	99		121	*	100		102		101	
CCV05	CCV05	1702	105		106		99		101		102	
CCB05	CCB05	1708	108		110		110		106		106	
PB168856TB	PB168856TB	1716	107		110		108		106		104	
Q2555-04	OU4-TS-30-0	1719	111		136	*	110		111		110	
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
Q2555-04	OU4-TS-30-0	1734	111		126	*	113		110		110	
CCV06	CCV06	1757	114		114		109		112		110	
CCB06	CCB06	1805	108		109		110		105		104	

Internal Standard %RI Limit: 30 - 120

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/24/2025
Run Number: LB136601
End Date : 07/24/2025

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	1042	100		100		100		100		100	
S2	S2	1049	103		102		101		102		103	
S3	S3	1052	103		100		101		101		102	
S4	S4	1055	104		101		103		101		104	
S5	S5	1058	103		101		102		101		105	
S6	S6	1101	103		102		105		102		108	
S7	S7	1104	106		105		108		104		109	
S8	S8	1107	99		106		107		99		108	
ICV01	ICV01	1125	94		110		110		110		108	
LLICV01	LLICV01	1134	92		106		109		108		106	
ICB01	ICB01	1138	93		107		108		107		105	
ICSA01	ICSA01	1141	94		105		110		106		109	
ICSAB01	ICSAB01	1149	90		106		110		106		111	
CCV01	CCV01	1152	90		108		113		107		113	
CCB01	CCB01	1157	89		105		111		109		109	
CRI	CRI	1201	91		107		112		109		108	
Q2555-02	OU4-TS-29-01	1204	91		106		111		108		107	
Q2555-02DUP	OU4-TS-29-01	1207	90		105		111		108		108	
Q2555-02L	OU4-TS-29-01	1211	91		105		109		109		107	
Q2555-02MS	OU4-TS-29-01	1214	91		107		111		108		107	
Q2555-02MSD	OU4-TS-29-01	1217	91		106		112		108		107	
Q2555-02A	OU4-TS-29-01	1220	91		107		111		108		108	
Q2555-04	OU4-TS-30-01	1224	93		109		114		111		109	
ZZZZZZ	ZZZZZZ	1231										
ZZZZZZ	ZZZZZZ	1234										
CCV02	CCV02	1239	97		113		116		110		114	
CCB02	CCB02	1245	96		107		109		110		108	

Internal Standard %RI Limit: 30 - 120

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2555

Instrument ID: P7 | Start Date : 07/24/2025

Run Number: LB136601 | End Date : 07/24/2025

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	1042	100		100		100		100		100	
S2	S2	1049	101		100		101		101		98	
S3	S3	1052	99		100		100		101		99	
S4	S4	1055	100		101		100		102		101	
S5	S5	1058	100		101		101		103		102	
S6	S6	1101	102		104		103		104		106	
S7	S7	1104	104		106		102		107		106	
S8	S8	1107	106		109		100		107		107	
ICV01	ICV01	1125	106		108		107		106		107	
LLICV01	LLICV01	1134	104		106		107		106		104	
ICB01	ICB01	1138	103		106		107		105		104	
ICSA01	ICSA01	1141	104		106		105		108		106	
ICSAB01	ICSAB01	1149	103		106		105		105		107	
CCV01	CCV01	1152	106		110		104		109		106	
CCB01	CCB01	1157	102		105		105		104		102	
CRI	CRI	1201	102		107		107		106		104	
Q2555-02	OU4-TS-29-01	1204	102		108		106		105		103	
Q2555-02DUP	OU4-TS-29-01	1207	103		108		106		104		104	
Q2555-02L	OU4-TS-29-01	1211	103		107		106		106		103	
Q2555-02MS	OU4-TS-29-01	1214	103		108		106		105		103	
Q2555-02MSD	OU4-TS-29-01	1217	103		108		106		105		103	
Q2555-02A	OU4-TS-29-01	1220	104		108		106		105		104	
Q2555-04	OU4-TS-30-01	1224	105		111		108		107		105	
ZZZZZZ	ZZZZZZ	1231										
ZZZZZZ	ZZZZZZ	1234										
CCV02	CCV02	1239	109		112		106		110		109	
CCB02	CCB02	1245	102		108		106		105		103	

Internal Standard %RI Limit: 30 - 120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/16/2025
Run Number: LB136512
End Date : 07/16/2025

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	1055	100		100							
S2	S2	1058	100		98							
S3	S3	1105	99		98							
S4	S4	1108	99		97							
S5	S5	1111	100		97							
S6	S6	1114	103		100							
S7	S7	1117	102		99							
S8	S8	1120	102		90							
ICV01	ICV01	1130	102		97							
LLICV01	LLICV01	1140	102		97							
ICB01	ICB01	1147	101		97							
ICSA01	ICSA01	1221	113		104							
ICSAB01	ICSAB01	1228	116		105							
CCV01	CCV01	1251	111		99							
CCB01	CCB01	1259	110		104							
CRI	CRI	1302	111		105							
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1315										
ZZZZZZ	ZZZZZZ	1318										
ZZZZZZ	ZZZZZZ	1322										
ZZZZZZ	ZZZZZZ	1325										
ZZZZZZ	ZZZZZZ	1328										
ZZZZZZ	ZZZZZZ	1337										
CCV02	CCV02	1341	108		98							
CCB02	CCB02	1347	107		102							
ZZZZZZ	ZZZZZZ	1350										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1403										
ZZZZZZ	ZZZZZZ	1407										
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										

Internal Standard %RI Limit: 30 -120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2555

Instrument ID: P7 | Start Date : 07/16/2025

Run Number: LB136512 | End Date : 07/16/2025

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	1416										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1422										
CCV03	CCV03	1440	108		97							
CCB03	CCB03	1450	105		99							
ZZZZZZ	ZZZZZZ	1454										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1503										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
ZZZZZZ	ZZZZZZ	1516										
ZZZZZZ	ZZZZZZ	1519										
ZZZZZZ	ZZZZZZ	1523										
ZZZZZZ	ZZZZZZ	1526										
ZZZZZZ	ZZZZZZ	1529										
CCV04	CCV04	1545	102		91							
CCB04	CCB04	1554	102		94							
ZZZZZZ	ZZZZZZ	1558										
ZZZZZZ	ZZZZZZ	1601										
PB168856BL	PB168856BL	1614	103		96							
PB168856BS	PB168856BS	1618	106		99							
Q2555-02L	OU4-TS-29-07	1627	107		98							
Q2555-02MS	OU4-TS-29-07	1630	104		96							
Q2555-02MSD	OU4-TS-29-07	1633	105		97							
Q2555-02A	OU4-TS-29-07	1636	104		96							
Q2555-02DUP	OU4-TS-29-07	1642	108		98							
Q2555-02	OU4-TS-29-07	1646	104		95							
CCV05	CCV05	1702	100		90							
CCB05	CCB05	1708	103		97							
PB168856TB	PB168856TB	1716	104		97							
Q2555-04	OU4-TS-30-07	1719	110		99							
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
Q2555-04	OU4-TS-30-07	1734	110		99							

Internal Standard %RI Limit: 30 -120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/16/2025
Run Number: LB136512
End Date : 07/16/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
CCV06	CCV06	1757	108		96							
CCB06	CCB06	1805	104		96							

Internal Standard %RI Limit: 30 -120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/16/2025
Run Number: LB136512
End Date : 07/16/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1055	100									
S2	S2	1058	99									
S3	S3	1105	98									
S4	S4	1108	101									
S5	S5	1111	98									
S6	S6	1114	100									
S7	S7	1117	98									
S8	S8	1120	92									
ICV01	ICV01	1130	104									
LLICV01	LLICV01	1140	103									
ICB01	ICB01	1147	102									
ICSA01	ICSA01	1221	102									
ICSAB01	ICSAB01	1228	104									
CCV01	CCV01	1251	95									
CCB01	CCB01	1259	106									
CRI	CRI	1302	106									
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1315										
ZZZZZZ	ZZZZZZ	1318										
ZZZZZZ	ZZZZZZ	1322										
ZZZZZZ	ZZZZZZ	1325										
ZZZZZZ	ZZZZZZ	1328										
ZZZZZZ	ZZZZZZ	1337										
CCV02	CCV02	1341	97									
CCB02	CCB02	1347	102									
ZZZZZZ	ZZZZZZ	1350										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1403										
ZZZZZZ	ZZZZZZ	1407										
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										

Internal Standard %RI Limit: 30 -120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2555

Instrument ID: P7 | Start Date : 07/16/2025

Run Number: LB136512 | End Date : 07/16/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1416										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1422										
CCV03	CCV03	1440	95									
CCB03	CCB03	1450	100									
ZZZZZZ	ZZZZZZ	1454										
ZZZZZZ	ZZZZZZ	1500										
ZZZZZZ	ZZZZZZ	1503										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
ZZZZZZ	ZZZZZZ	1516										
ZZZZZZ	ZZZZZZ	1519										
ZZZZZZ	ZZZZZZ	1523										
ZZZZZZ	ZZZZZZ	1526										
ZZZZZZ	ZZZZZZ	1529										
CCV04	CCV04	1545	96									
CCB04	CCB04	1554	100									
ZZZZZZ	ZZZZZZ	1558										
ZZZZZZ	ZZZZZZ	1601										
PB168856BL	PB168856BL	1614	100									
PB168856BS	PB168856BS	1618	101									
Q2555-02L	OU4-TS-29-07	1627	100									
Q2555-02MS	OU4-TS-29-07	1630	98									
Q2555-02MSD	OU4-TS-29-07	1633	97									
Q2555-02A	OU4-TS-29-07	1636	98									
Q2555-02DUP	OU4-TS-29-07	1642	98									
Q2555-02	OU4-TS-29-07	1646	96									
CCV05	CCV05	1702	91									
CCB05	CCB05	1708	101									
PB168856TB	PB168856TB	1716	100									
Q2555-04	OU4-TS-30-07	1719	102									
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
Q2555-04	OU4-TS-30-07	1734	102									

Internal Standard %RI Limit: 30 -120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/16/2025
Run Number: LB136512
End Date : 07/16/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CCV06	CCV06	1757	99									
CCB06	CCB06	1805	100									

Internal Standard %RI Limit: 30 -120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/24/2025
Run Number: LB136601
End Date : 07/24/2025

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	1042	100		100							
S2	S2	1049	102		102							
S3	S3	1052	104		103							
S4	S4	1055	104		103							
S5	S5	1058	105		103							
S6	S6	1101	109		104							
S7	S7	1104	108		107							
S8	S8	1107	109		99							
ICV01	ICV01	1125	109		105							
LLICV01	LLICV01	1134	106		104							
ICB01	ICB01	1138	106		105							
ICSA01	ICSA01	1141	111		106							
ICSAB01	ICSAB01	1149	114		106							
CCV01	CCV01	1152	113		106							
CCB01	CCB01	1157	108		106							
CRI	CRI	1201	108		105							
Q2555-02	OU4-TS-29-07	1204	109		106							
Q2555-02DUP	OU4-TS-29-07	1207	107		104							
Q2555-02L	OU4-TS-29-07	1211	106		104							
Q2555-02MS	OU4-TS-29-07	1214	108		104							
Q2555-02MSD	OU4-TS-29-07	1217	107		104							
Q2555-02A	OU4-TS-29-07	1220	107		105							
Q2555-04	OU4-TS-30-07	1224	109		107							
ZZZZZZ	ZZZZZZ	1231										
ZZZZZZ	ZZZZZZ	1234										
CCV02	CCV02	1239	114		105							
CCB02	CCB02	1245	109		105							

Internal Standard %RI Limit: 30 -120

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2555
Instrument ID: P7
Start Date : 07/24/2025
Run Number: LB136601
End Date : 07/24/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1042	100									
S2	S2	1049	100									
S3	S3	1052	98									
S4	S4	1055	100									
S5	S5	1058	101									
S6	S6	1101	102									
S7	S7	1104	102									
S8	S8	1107	97									
ICV01	ICV01	1125	105									
LLICV01	LLICV01	1134	103									
ICB01	ICB01	1138	104									
ICSA01	ICSA01	1141	102									
ICSAB01	ICSAB01	1149	102									
CCV01	CCV01	1152	99									
CCB01	CCB01	1157	103									
CRI	CRI	1201	103									
Q2555-02	OU4-TS-29-07	1204	102									
Q2555-02DUP	OU4-TS-29-07	1207	102									
Q2555-02L	OU4-TS-29-07	1211	102									
Q2555-02MS	OU4-TS-29-07	1214	102									
Q2555-02MSD	OU4-TS-29-07	1217	103									
Q2555-02A	OU4-TS-29-07	1220	103									
Q2555-04	OU4-TS-30-07	1224	104									
ZZZZZZ	ZZZZZZ	1231										
ZZZZZZ	ZZZZZZ	1234										
CCV02	CCV02	1239	102									
CCB02	CCB02	1245	102									

Internal Standard %RI Limit: 30 -120

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-29-070925L

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **Lb No.:** lb136512 **Lab Sample ID :** Q2555-02L **SDG No.:** Q2555

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	10.0	UD	50.0	UD			P
Arsenic	127	D	125	JD	2		P
Barium	120	D	120	JD	0		P
Beryllium	16.6	D	16.8	JD	1		P
Cadmium	9.60	D	10.0	JD	4		P
Chromium	53.3	D	52.5	D	1		P
Copper	442	D	429	D	3		P
Lead	81.4	D	79.8	D	2		P
Nickel	217	D	208	D	4		P
Mercury	0.20	U	1.00	U			CV
Selenium	500	UD	2500	UD			P
Silver	0.45	JD	25.0	UD	100		P
Thallium	0.40	JD	25.0	UD	100		P
Vanadium	129	D	125	D	3		P
Zinc	1670	D	1630	D	3		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Nobis Group **SDG No.:** Q2555

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

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168856**						
PB168856BL	PB168856BL	MB	WATER	07/15/2025	50.0	50.0	
PB168856BS	PB168856BS	LCS	WATER	07/15/2025	50.0	50.0	
PB168856TB	PB168856TB	MB	WATER	07/15/2025	50.0	50.0	
Q2555-02	OU4-TS-29-070925	SAM	WATER	07/15/2025	50.0	50.0	
Q2555-02DUP	OU4-TS-29-070925DUP	DUP	WATER	07/15/2025	50.0	50.0	
Q2555-02MS	OU4-TS-29-070925MS	MS	WATER	07/15/2025	50.0	50.0	
Q2555-02MSD	OU4-TS-29-070925MSD	MSD	WATER	07/15/2025	50.0	50.0	
Q2555-04	OU4-TS-30-070925	SAM	WATER	07/15/2025	50.0	50.0	

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Nobis Group **SDG No.:** Q2555

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

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168860**						
PB168860BL	PB168860BL	MB	WATER	07/15/2025	30.0	30.0	
PB168860BS	PB168860BS	LCS	WATER	07/15/2025	30.0	30.0	
PB168860TB	PB168860TB	MB	WATER	07/15/2025	30.0	30.0	
Q2555-02	OU4-TS-29-070925	SAM	WATER	07/15/2025	30.0	30.0	
Q2555-02DUP	OU4-TS-29-070925DUP	DUP	WATER	07/15/2025	30.0	30.0	
Q2555-02MS	OU4-TS-29-070925MS	MS	WATER	07/15/2025	30.0	30.0	
Q2555-02MSD	OU4-TS-29-070925MSD	MSD	WATER	07/15/2025	30.0	30.0	
Q2555-04	OU4-TS-30-070925	SAM	WATER	07/15/2025	30.0	30.0	

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: ACE **Sdg no.:** Q2555

Instrument id number: **Method:** **Run number:** LB136476

Start date: 07/15/2025 **End date:** 07/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1146	HG
S0.2	S0.2	1	1149	HG
S2.5	S2.5	1	1151	HG
S5	S5	1	1153	HG
S7.5	S7.5	1	1156	HG
S10	S10	1	1203	HG
ICV27	ICV27	1	1206	HG
ICB27	ICB27	1	1208	HG
CCV01	CCV01	1	1211	HG
CCB01	CCB01	1	1213	HG
CRA	CRA	1	1221	HG
CCV02	CCV02	1	1248	HG
CCB02	CCB02	1	1251	HG
CCV03	CCV03	1	1316	HG
CCB03	CCB03	1	1318	HG
PB168860BL	PB168860BL	1	1327	HG
PB168860BS	PB168860BS	1	1332	HG
Q2555-02	OU4-TS-29-070925	1	1334	HG
Q2555-02DUP	OU4-TS-29-070925DUP	1	1339	HG
Q2555-02MS	OU4-TS-29-070925MS	1	1347	HG
Q2555-02MSD	OU4-TS-29-070925MSD	1	1349	HG
Q2555-04	OU4-TS-30-070925	1	1350	HG
CCV04	CCV04	1	1353	HG
CCB04	CCB04	1	1358	HG
PB168860TB	PB168860TB	1	1411	HG
Q2555-02L	OU4-TS-29-070925L	5	1418	HG
CCV05	CCV05	1	1422	HG
CCB05	CCB05	1	1427	HG

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: ACE **Sdg no.:** Q2555

Instrument id number: **Method:** **Run number:** LB136512

Start date: 07/16/2025 **End date:** 07/16/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1055	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1058	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1105	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1108	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1111	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1114	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1117	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1120	,
ICV01	ICV01	1	1130	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1140	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1147	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1221	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1228	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1251	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1259	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1302	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1341	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1347	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1440	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1450	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1545	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1554	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168856BL	PB168856BL	1	1614	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168856BS	PB168856BS	1	1618	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2555-02L	OU4-TS-29-070925L	25	1627	Ag,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
Q2555-02MS	OU4-TS-29-070925MS	5	1630	Ag,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
Q2555-02MSD	OU4-TS-29-070925MSD	5	1633	Ag,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
Q2555-02A	OU4-TS-29-070925A	5	1636	Ag,Ba
Q2555-02DUP	OU4-TS-29-070925DUP	5	1642	Ag,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
Q2555-02	OU4-TS-29-070925	5	1646	Ag,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
CCV05	CCV05	1	1702	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1708	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168856TB	PB168856TB	1	1716	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2555-04	OU4-TS-30-070925	5	1719	Ag,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
CCV06	CCV06	1	1757	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1805	Ag,As,Ba,Be,Cd,Cr,Cu,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: Nobis Group **Contract:** NOBI03

Lab code: ACE **Sdg no.:** Q2555

Instrument id number: **Method:** **Run number:** LB136601

Start date: 07/24/2025 **End date:** 07/24/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1042	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1049	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1052	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1055	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1058	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1101	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1104	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1107	,
ICV01	ICV01	1	1125	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1134	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1138	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1141	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1149	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1152	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1157	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1201	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2555-02	OU4-TS-29-070925	100	1204	As,Se
Q2555-02DUP	OU4-TS-29-070925DUP	100	1207	As,Se
Q2555-02L	OU4-TS-29-070925L	500	1211	As,Se
Q2555-02MS	OU4-TS-29-070925MS	100	1214	As,Se
Q2555-02MSD	OU4-TS-29-070925MSD	100	1217	As,Se
Q2555-04	OU4-TS-30-070925	50	1224	As,Se
CCV02	CCV02	1	1239	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1245	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

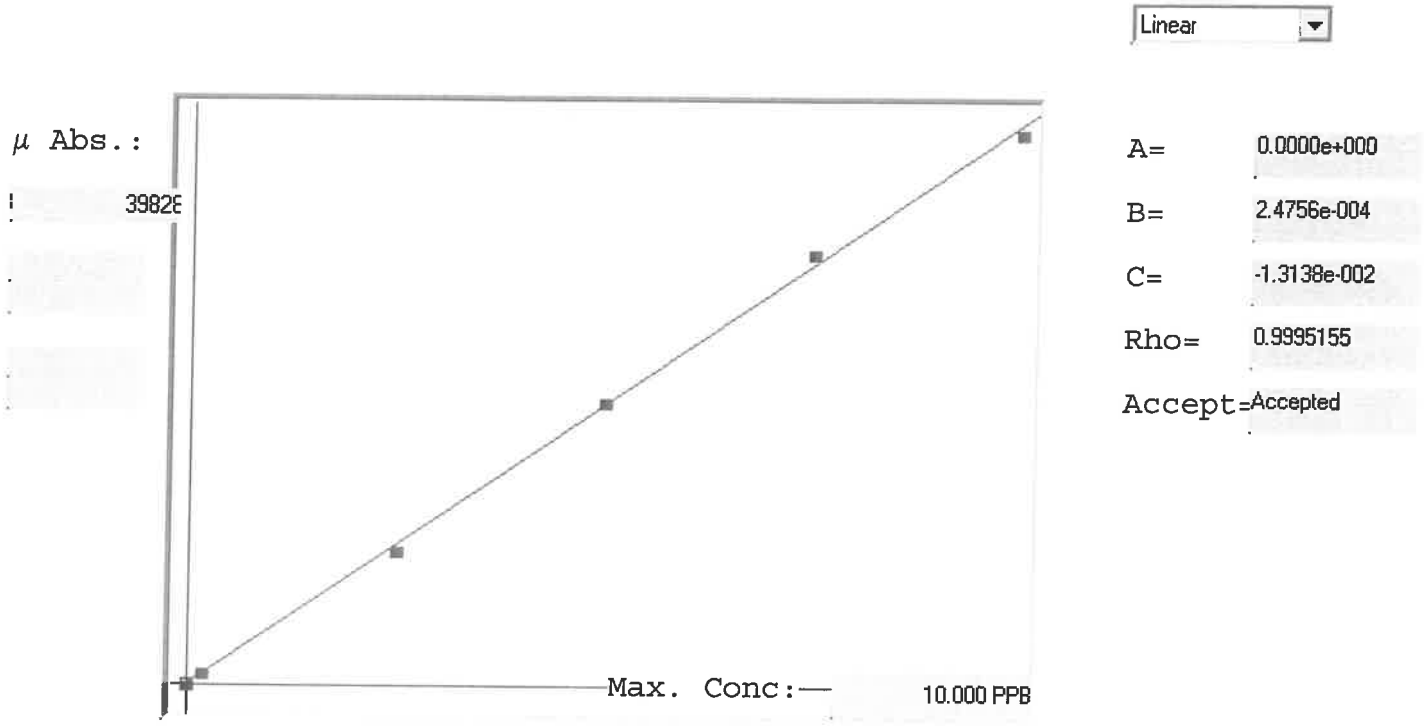
METAL
RAW DATA

Reviewed By:jaswal
On:7/17/2025 10:58:46 PM
Inst Id :CV1
LB :LB136476

LB136476

7470A

INSTRUMENT ID: CV1



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	O/D
0.0	0.000	0.002	0.002	62	0.000	62	0				1
0.2	0.200	0.218	0.018	935	0.0 %	935					9
2.5	2.500	2.389	-0.111	9703	0.0 %	9703					-4
5.0	5.000	5.040	0.040	20413	0.0 %	20413					1
7.5	7.500	7.703	0.203	31170	0.0 %	31170					3
10.0	10.000	9.847	-0.153	39828	0.0 %	39828					-2

Reviewed By:jaswal
On:7/17/2025 10:58:46 PM
Inst Id :CV1
LB :LB136476

LB136476 INSTRUMENT ID : CV1

Method: 7470A Operator: Admin Date of Analysis: 15 Jul 2025 10:41:48

Type	Sample ID	Extended ID	Conc.	µ Abs.	Units	Type	Stnd Conc	Method	Date
S	0.0 - 1	S0	-	62	PPB	Std	0.00000	7470A	15 Jul 2025 11:46:56
S	0.2 - 1	S0.2	-	935	PPB	Std	0.20000	7470A	15 Jul 2025 11:49:13
S	2.5 - 1	S2.5	-	9703	PPB	Std	2.50000	7470A	15 Jul 2025 11:51:1
S	5.0 - 1	S5	-	20413	PPB	Std	5.00000	7470A	15 Jul 2025 11:53:1
S	7.5 - 1	S7.5	-	31170	PPB	Std	7.50000	7470A	15 Jul 2025 11:56:2
S	10.0 - 1	S10	-	39828	PPB	Std	10.00000	7470A	15 Jul 2025 12:03:2
U	ICV27 - 1	ICV27	3.8137	15458	PPB	SMPL	-	7470A	15 Jul 2025 12:06:37
U	ICB27 - 1	ICB27	-0.0565	-175	PPB	SMPL	-	7470A	15 Jul 2025 12:08:3
U	CCV01 - 1	CCV01	5.3080	21494	PPB	SMPL	-	7470A	15 Jul 2025 12:11:11
U	CCB01 - 1	CCB01	-0.0718	-237	PPB	SMPL	-	7470A	15 Jul 2025 12:13:4
U	CRA - 1	CRA	0.2319	990	PPB	SMPL	-	7470A	15 Jul 2025 12:21:1
U	HighStd - 1	HighStd	9.5544	38647	PPB	SMPL	-	7470A	15 Jul 2025 12:23:5
U	ChkStd - 1	ChkStd	7.3929	29916	PPB	SMPL	-	7470A	15 Jul 2025 12:25:5
U	PB168849BL - 1	PBW	-0.0092	16	PPB	SMPL	-	7470A	15 Jul 2025 12:32:5
U	PB168849BS - 1	LCSW	4.0756	16516	PPB	SMPL	-	7470A	15 Jul 2025 12:35:6
U	Q2561-07 - 1	AUD-25-0117	-0.0542	-166	PPB	SMPL	-	7470A	15 Jul 2025 12:37:31
U	Q2565-06 - 1	MOO-25-0194-0195	-0.0374	-98	PPB	SMPL	-	7470A	15 Jul 2025 12:39:7
U	Q2565-07 - 1	MOO-25-0191	-0.0159	-11	PPB	SMPL	-	7470A	15 Jul 2025 12:42:07
U	Q2565-08 - 1	MOO-25-0196	-0.0045	35	PPB	SMPL	-	7470A	15 Jul 2025 12:44:8
U	Q2565-09 - 1	MOO-25-0180	-0.0097	14	PPB	SMPL	-	7470A	15 Jul 2025 12:46:8
U	CCV02 - 1	CCV02	5.1426	20826	PPB	SMPL	-	7470A	15 Jul 2025 12:48:9
U	CCB02 - 1	CCB02	-0.0691	-226	PPB	SMPL	-	7470A	15 Jul 2025 12:51:9
U	Q2571-04 - 1	TP-18	-0.0141	-4	PPB	SMPL	-	7470A	15 Jul 2025 12:53:28
U	Q2571-08 - 1	TP-17	-0.0141	-4	PPB	SMPL	-	7470A	15 Jul 2025 12:55:4
U	Q2578-03 - 1	WC-A5-01-C	-0.0074	23	PPB	SMPL	-	7470A	15 Jul 2025 12:57:58
U	Q2578-07 - 1	WC-A2-09-C	0.0015	59	PPB	SMPL	-	7470A	15 Jul 2025 13:00:1
U	Q2578-11 - 1	WC-A2-10-C	-0.0045	35	PPB	SMPL	-	7470A	15 Jul 2025 13:02:29
U	Q2578-15 - 1	WC-A2-11-C	-0.0104	11	PPB	SMPL	-	7470A	15 Jul 2025 13:04:4
U	Q2578-19 - 1	WC-A2-12-C	-0.0060	29	PPB	SMPL	-	7470A	15 Jul 2025 13:07:0
U	Q2579-03 - 1	WC-A2-13-C	-0.0008	50	PPB	SMPL	-	7470A	15 Jul 2025 13:09:1
U	Q2579-07 - 1	WC-A2-14-C	-0.0067	26	PPB	SMPL	-	7470A	15 Jul 2025 13:11:3
U	Q2586-04 - 1	TP-16	-0.0035	39	PPB	SMPL	-	7470A	15 Jul 2025 13:13:52
U	CCV03 - 1	CCV03	5.1604	20898	PPB	SMPL	-	7470A	15 Jul 2025 13:16:0
U	CCB03 - 1	CCB03	-0.0629	-201	PPB	SMPL	-	7470A	15 Jul 2025 13:18:24
U	Q2586-04DUP - 1	TP-16DUP	-0.0121	4	PPB	SMPL	-	7470A	15 Jul 2025 13:20:4
U	Q2586-04MS - 1	TP-16MS	4.6920	19006	PPB	SMPL	-	7470A	15 Jul 2025 13:22:5
U	Q2586-04MSD - 1	TP-16MSD	4.6779	18949	PPB	SMPL	-	7470A	15 Jul 2025 13:25:1
U	PB168860BL - 1	PBW	-0.0706	-232	PPB	SMPL	-	7470A	15 Jul 2025 13:27:3
U	PB168860BS - 1	LCSW	4.1476	16807	PPB	SMPL	-	7470A	15 Jul 2025 13:32:33
U	Q2555-02 - 1	OU4-TS-29-070925	0.0250	154	PPB	SMPL	-	7470A	15 Jul 2025 13:34:49
U	Q2555-02DUP - 1	OU4-TS-29-070925DUP	0.0223	143	PPB	SMPL	-	7470A	15 Jul 2025 13:39:56
U	Q2555-02MS - 1	OU4-TS-29-070925MS	3.9481	16001	PPB	SMPL	-	7470A	15 Jul 2025 13:47:19
U	Q2555-02MSD - 1	OU4-TS-29-070925MSD	4.1046	16633	PPB	SMPL	-	7470A	15 Jul 2025 13:49:37
U	Q2555-04 - 1	OU4-TS-30-070925	-0.0250	-48	PPB	SMPL	-	7470A	15 Jul 2025 13:50:54
U	CCV04 - 1	CCV04	4.7151	19099	PPB	SMPL	-	7470A	15 Jul 2025 13:53:12
U	CCB04 - 1	CCB04	-0.0230	-40	PPB	SMPL	-	7470A	15 Jul 2025 13:58:29
U	Q2558-02 - 1	OU4-TS-Denali-070925	0.0889	412	PPB	SMPL	-	7470A	15 Jul 2025 14:00:44
U	Q2558-04 - 1	OU4-TS-Grillo-OG-070925	0.0849	396	PPB	SMPL	-	7470A	15 Jul 2025 14:03:00
U	PB168803TB - 1	PB168803TB	-0.0181	-20	PPB	SMPL	-	7470A	15 Jul 2025 14:09:19
U	PB168860TB - 1	PB168838TB	-0.0228	-39	PPB	SMPL	-	7470A	15 Jul 2025 14:11:34
U	Q2586-04LX5 - 1		-0.0156	-10	PPB	SMPL	-	7470A	15 Jul 2025 14:13:50
U	Q2586-04A - 1		4.2452	17201	PPB	SMPL	-	7470A	15 Jul 2025 14:16:06
U	Q2555-02LX5 - 1		-0.0545	-167	PPB	SMPL	-	7470A	15 Jul 2025 14:18:22
U	Q2555-02A - 1		3.8528	15616	PPB	SMPL	-	7470A	15 Jul 2025 14:20:41
U	CCV05 - 1	CCV05	4.8180	19515	PPB	SMPL	-	7470A	15 Jul 2025 14:22:59
U	CCB05 - 1	CCB05	-0.0364	-94	PPB	SMPL	-	7470A	15 Jul 2025 14:27:47

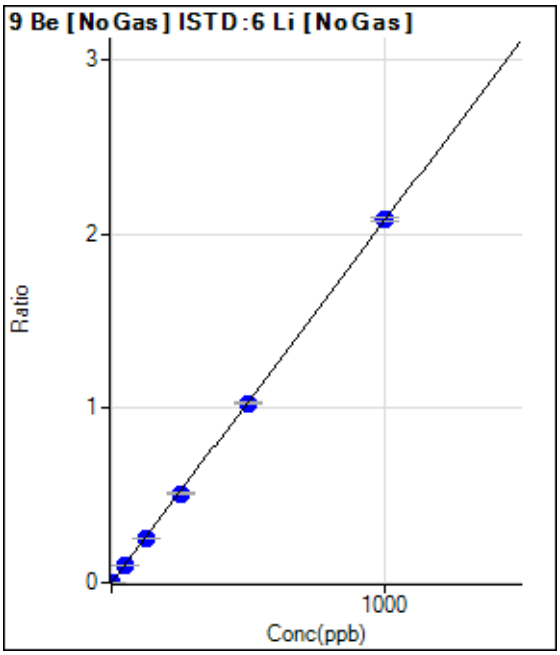
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

Calibration for 006CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7071625 MS.b\
Analysis File: P7071625 MS.batch.bin
DA Date-Time: 2025-07-16 16:19:23
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-07-16 10:55:37
2	005CALS.d	S02	2025-07-16 10:58:55
3	007CALS.d	S03	2025-07-16 11:05:30
4	008CALS.d	S04	2025-07-16 11:08:38
5	009CALS.d	S05	2025-07-16 11:11:38
6	010CALS.d	S06	2025-07-16 11:14:32
7	011CALS.d	S07	2025-07-16 11:17:17
8	012CALS.d	S08	2025-07-16 11:20:05

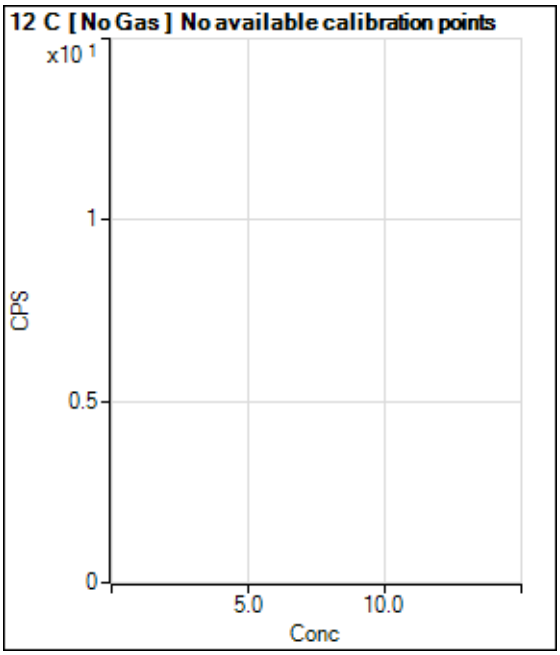
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.57	0.0000	P	109.
2	☐	1.000	1.053	1109.83	0.0022	P	2.0
3	☐	50.000	47.958	50023.37	0.0995	P	0.4
4	☐	125.000	121.592	124585.96	0.2523	P	0.9
5	☐	250.000	247.046	248008.01	0.5126	P	0.2
6	☐	500.000	496.297	496741.33	1.0297	P	1.4
7	☐	1000.000	1003.118	977241.41	2.0813	P	1.1
8	☐			154.35	0.0003	P	20.9

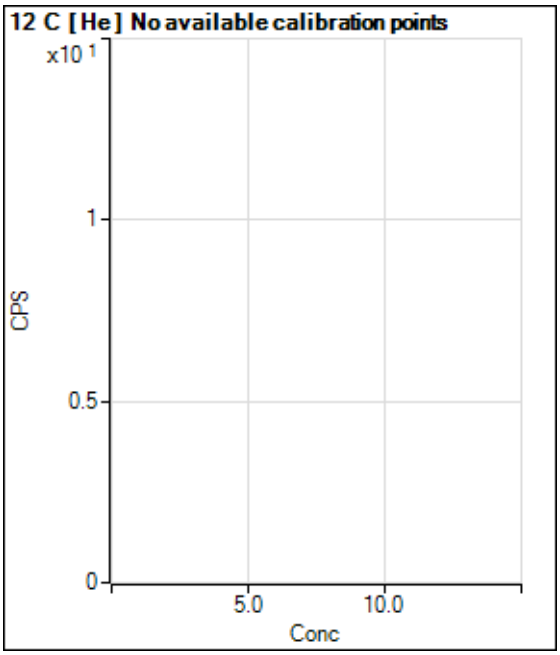
y = 0.0021 * x + 9.0889E-006
R = 1.0000
DL = 0.01442

Weight: <None>
Min Conc: 0

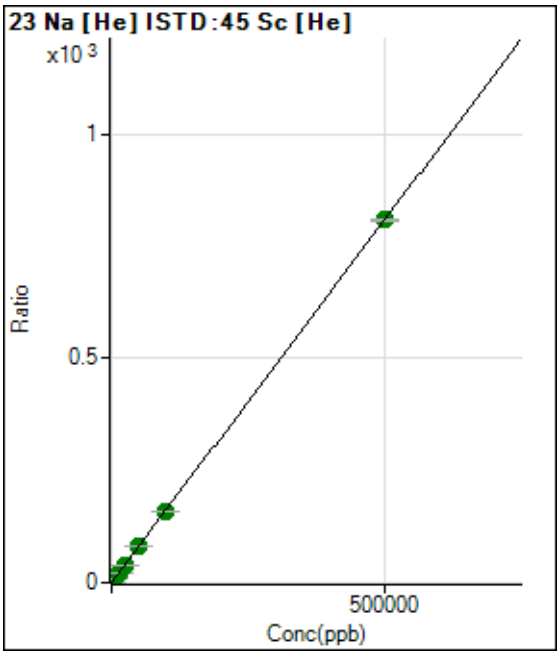


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



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

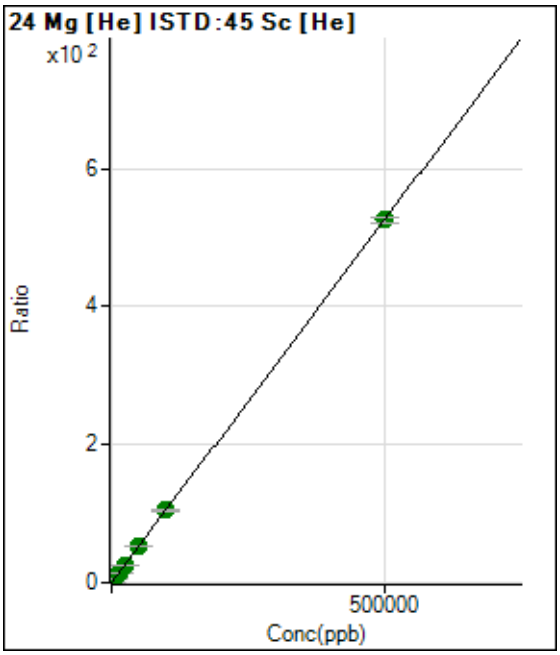


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17520.08	0.0569	P	1.4
2	☐	500.000	461.109	245889.99	0.8031	P	0.6
3	☐	5000.000	5046.403	2454124.48	8.2235	A	0.9
4	☐	12500.000	12140.726	5989391.51	19.7041	A	2.0
5	☐	25000.000	24829.621	11973044.41	40.2385	A	0.3
6	☐	50000.000	50163.916	24817378.24	81.2368	A	1.2
7	☐	100000.00	98738.066	49795484.26	159.8439	A	0.5
8	☐	500000.00	500253.07	266697727.1	809.6125	A	0.5

y = 0.0016 * x + 0.0569
R = 1.0000
DL = 1.494

Weight: <None>
Min Conc: 0

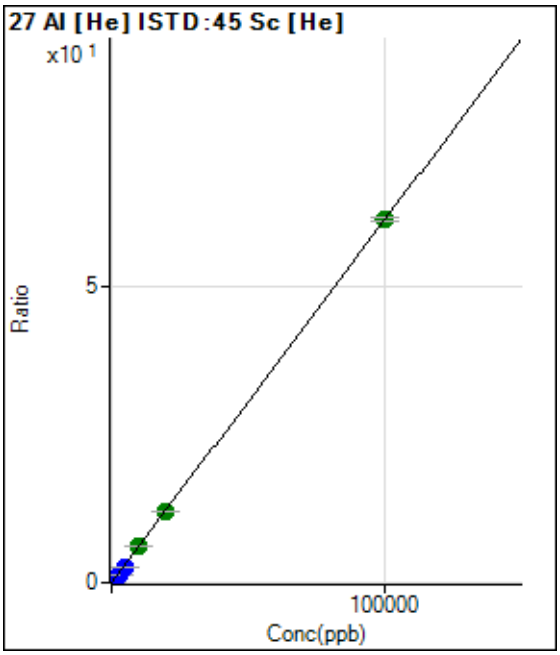
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	325.56	0.0011	P	9.1
2	☐	500.000	458.078	147754.30	0.4826	P	0.8
3	☐	5000.000	5118.400	1605989.12	5.3815	A	1.9
4	☐	12500.000	12321.504	3937308.62	12.9533	A	2.2
5	☐	25000.000	24818.792	7763265.09	26.0903	A	1.3
6	☐	50000.000	50991.877	16375797.54	53.6031	A	0.7
7	☐	100000.00	99468.383	32572073.13	104.5610	A	0.9
8	☐	500000.00	500019.51	173139341.8	525.6152	A	1.6

y = 0.0011 * x + 0.0011
R = 1.0000
DL = 0.2733

Weight: <None>
Min Conc: 0

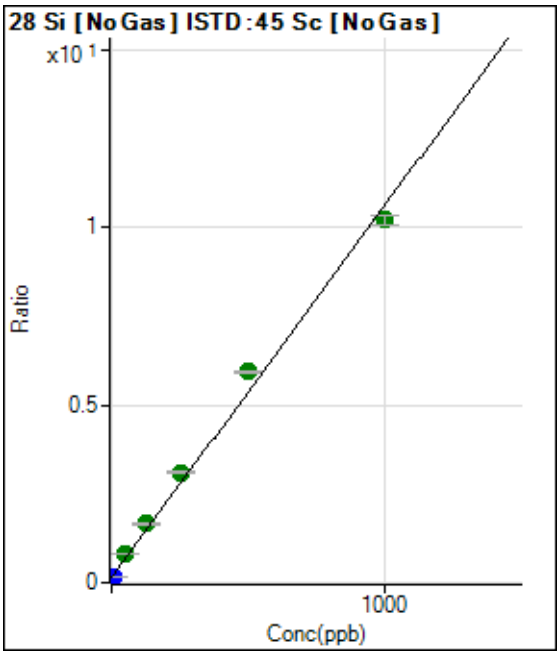


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	293.34	0.0010	P	1.9
2	☐	20.000	17.810	3627.13	0.0118	P	3.2
3	☐	1000.000	863.131	157864.18	0.5290	P	0.7
4	☐	2500.000	2108.367	392368.78	1.2908	P	1.2
5	☐	5000.000	4280.140	779404.98	2.6194	P	0.8
6	☐	10000.000	10118.298	1891367.68	6.1909	A	0.4
7	☐	20000.000	19682.175	3751218.76	12.0417	A	0.8
8	☐	100000.00	100098.88	20172719.56	61.2372	A	0.9

y = 6.1176E-004 * x + 9.5266E-004
R = 1.0000
DL = 0.08844

Weight: <None>
Min Conc: 0

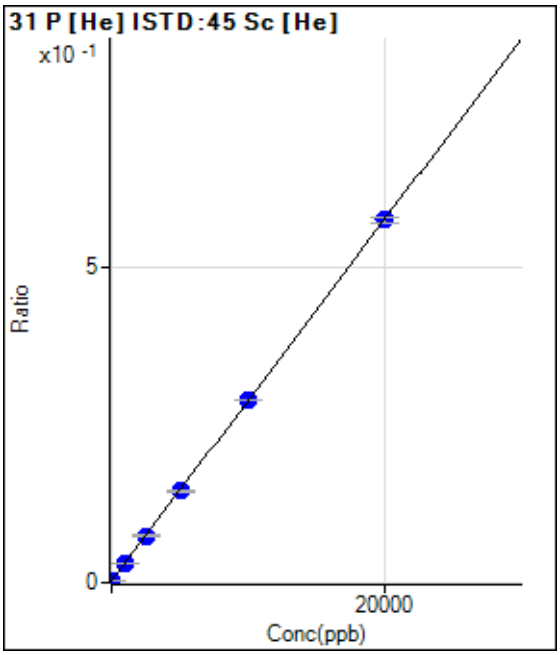
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	503035.08	0.1441	P	0.9
2	☐	10.000	0.896	527856.99	0.1535	P	1.4
3	☐	50.000	64.367	2763834.70	0.8174	A	1.8
4	☐	125.000	145.252	5592280.68	1.6634	A	1.7
5	☐	250.000	282.058	10278411.93	3.0943	A	1.9
6	☐	500.000	552.850	20142256.51	5.9267	A	0.6
7	☐	1000.000	962.401	34839894.20	10.2104	A	2.7
8	☐			650613.44	0.1814	P	0.3

y = 0.0105 * x + 0.1441
R = 0.9969
DL = 0.3762

Weight: <None>
Min Conc: 0

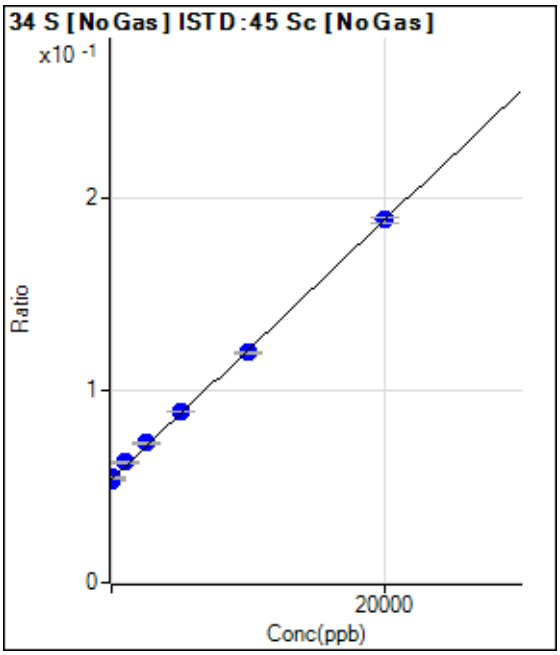


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-15.083	654.47	0.0021	P	2.5
2	☐	0.000	15.083	915.59	0.0030	P	0.5
3	☐	1000.000	1005.716	9366.28	0.0314	P	2.1
4	☐	2500.000	2485.367	22432.08	0.0738	P	3.1
5	☐	5000.000	4971.032	43157.46	0.1450	P	1.0
6	☐	10000.000	10035.906	88665.08	0.2902	P	0.3
7	☐	20000.000	19990.832	179289.17	0.5756	P	1.5
8	☐			661.13	0.0020	P	7.8

y = 2.8663E-005 * x + 0.0026
R = 1.0000
DL = 3.442

Weight: <None>
Min Conc: 0

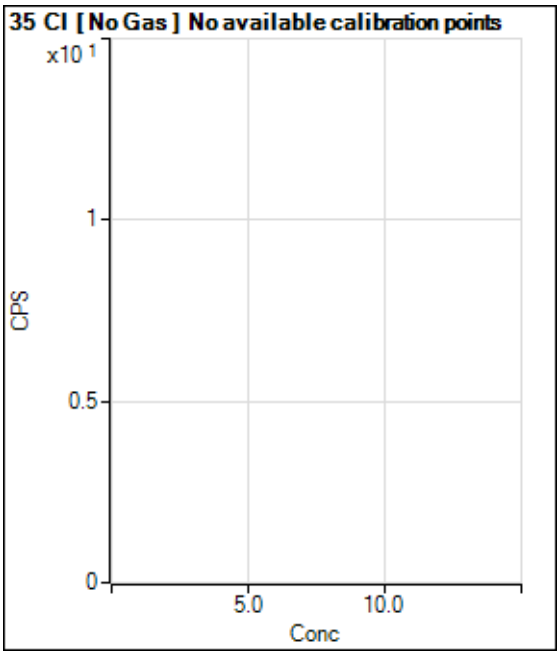
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-124.227	184225.79	0.0528	P	0.6
2	☐	0.000	124.227	187261.34	0.0545	P	0.8
3	☐	1000.000	1358.162	212252.14	0.0628	P	1.4
4	☐	2500.000	2813.352	243966.63	0.0726	P	0.8
5	☐	5000.000	5191.164	294220.46	0.0886	P	0.6
6	☐	10000.000	9784.822	406151.82	0.1195	P	0.6
7	☐	20000.000	20002.721	642537.91	0.1883	P	1.5
8	☐			161760.22	0.0451	P	3.2

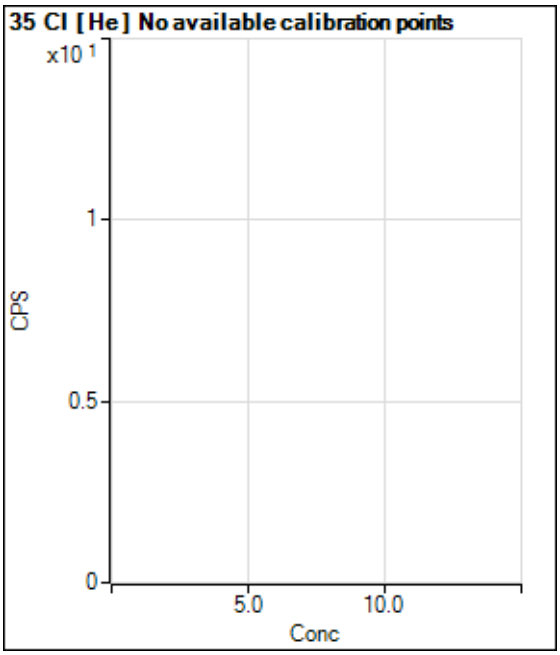
y = 6.7329E-006 * x + 0.0536
R = 0.9996
DL = 169.7

Weight: <None>
Min Conc: 0

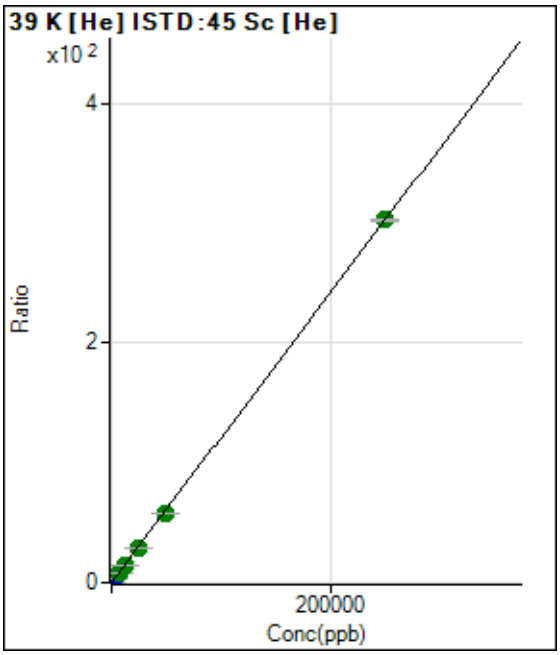


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



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

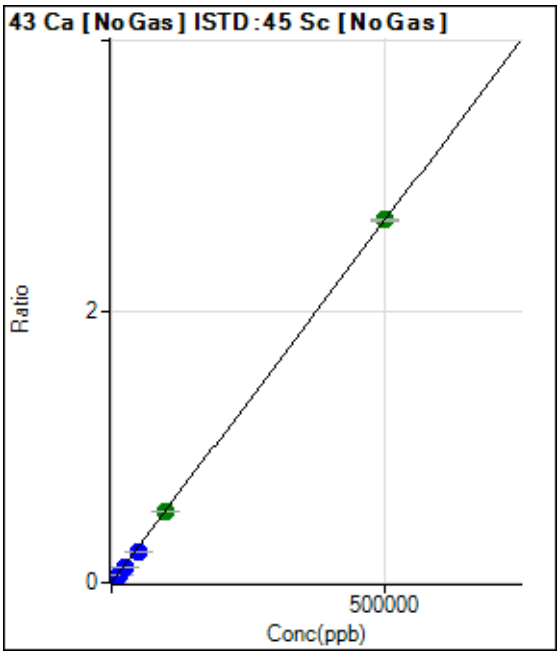


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	59771.21	0.1942	P	1.7
2	☐	500.000	455.900	227988.01	0.7447	P	0.8
3	☐	2500.000	2160.999	836676.29	2.8036	P	0.3
4	☐	6250.000	5855.531	2208392.59	7.2647	A	0.7
5	☐	12500.000	11707.874	4264237.61	14.3314	A	1.1
6	☐	25000.000	23676.322	8793556.33	28.7833	A	0.6
7	☐	50000.000	47736.138	18017635.43	57.8356	A	0.4
8	☐	250000.00	250638.08	99759075.18	302.8397	A	0.7

y = 0.0012 * x + 0.1942
R = 1.0000
DL = 8.326

Weight: <None>
Min Conc: 0

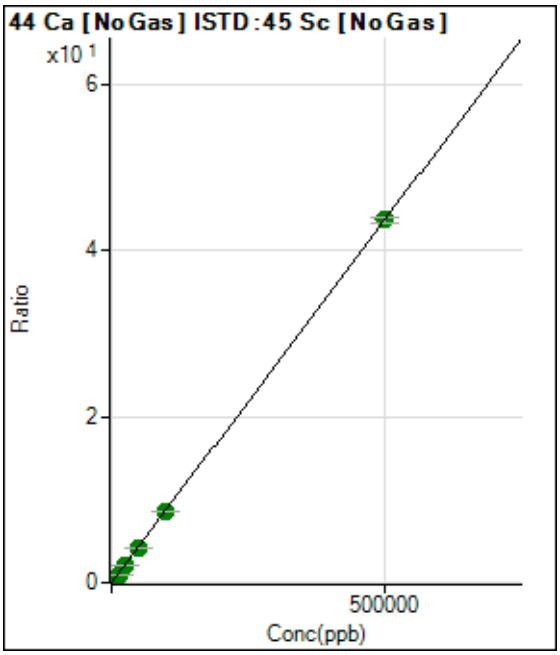
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	358.89	0.0001	P	6.4
2	☐	500.000	474.395	9076.14	0.0026	P	1.3
3	☐	5000.000	4481.027	81382.79	0.0241	P	0.7
4	☐	12500.000	10795.306	194423.73	0.0578	P	0.1
5	☐	25000.000	21957.681	390368.58	0.1175	P	1.4
6	☐	50000.000	43580.632	792383.14	0.2332	P	1.0
7	☐	100000.00	98384.507	1795637.51	0.5262	A	1.5
8	☐	500000.00	501164.98	9612720.34	2.6801	A	0.7

y = 5.3475E-006 * x + 1.0284E-004
R = 0.9999
DL = 3.712

Weight: <None>
Min Conc: 0

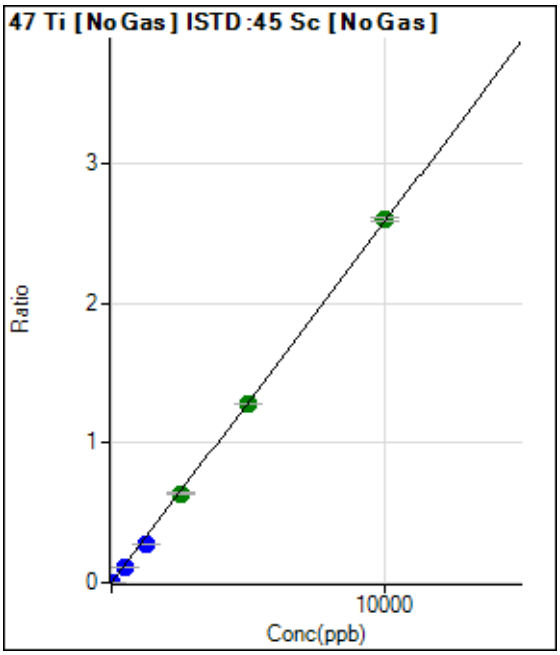


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22431.59	0.0064	P	0.9
2	☐	500.000	470.921	163429.02	0.0475	P	0.4
3	☐	5000.000	4839.760	1449877.60	0.4289	A	3.4
4	☐	12500.000	11809.770	3487072.13	1.0372	A	0.5
5	☐	25000.000	23965.517	6969375.94	2.0982	A	0.7
6	☐	50000.000	47799.624	14200640.48	4.1785	A	0.9
7	☐	100000.00	98025.776	29218230.12	8.5623	A	0.9
8	☐	500000.00	500685.49	156755404.3	43.7073	A	1.5

y = 8.7282E-005 * x + 0.0064
R = 1.0000
DL = 1.991

Weight: <None>
Min Conc: 0

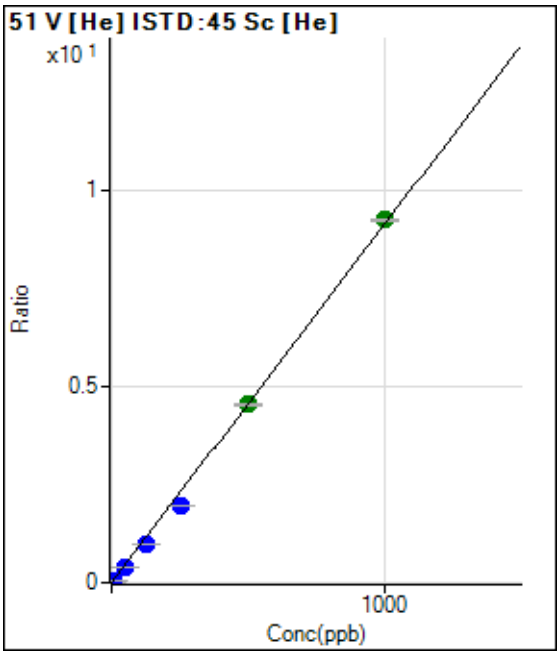
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85.56	0.0000	P	22.8
2	☐	5.000	4.499	4082.81	0.0012	P	2.1
3	☐	500.000	433.726	379268.01	0.1122	P	1.0
4	☐	1250.000	1059.991	921379.01	0.2741	P	0.3
5	☐	2500.000	2464.058	2116033.27	0.6370	A	1.6
6	☐	5000.000	4966.887	4364003.65	1.2841	A	0.3
7	☐	10000.000	10052.607	8868303.62	2.5989	A	1.1
8	☐			917.82	0.0003	P	5.4

y = 2.5853E-004 * x + 2.4490E-005
R = 0.9998
DL = 0.06471

Weight: <None>
Min Conc: 0

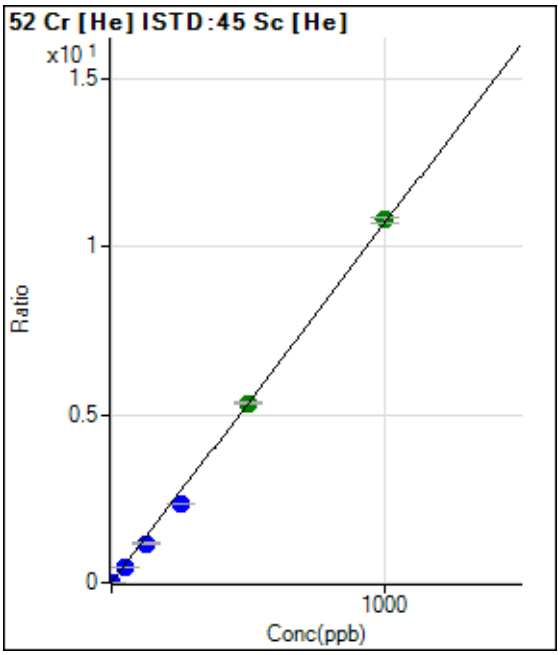


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.89	0.0001	P	37.4
2	☐	5.000	4.644	12985.68	0.0424	P	1.6
3	☐	50.000	42.832	116587.60	0.3907	P	0.4
4	☐	125.000	105.772	293241.20	0.9646	P	0.5
5	☐	250.000	216.758	588184.84	1.9768	P	0.4
6	☐	500.000	496.939	1384474.88	4.5319	A	0.9
7	☐	1000.000	1012.605	2876744.37	9.2345	A	0.7
8	☐			1043.38	0.0032	P	3.3

y = 0.0091 * x + 6.1472E-005
R = 0.9993
DL = 0.007564

Weight: <None>
Min Conc: 0

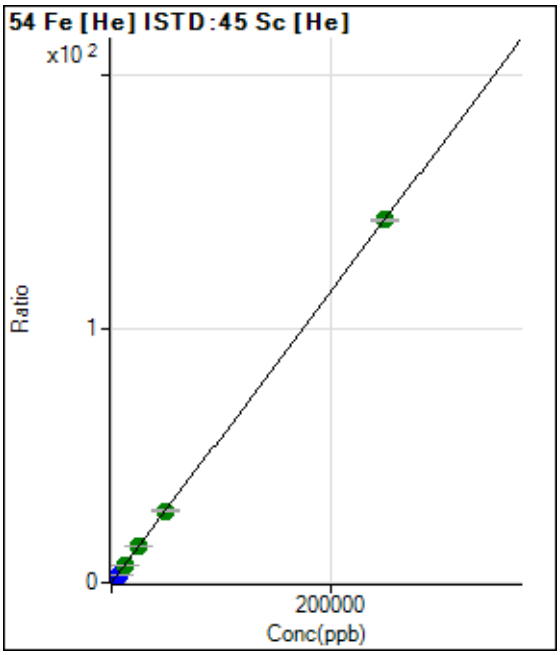
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1601.21	0.0052	P	5.6
2	☐	2.000	1.985	8077.78	0.0264	P	3.0
3	☐	50.000	44.125	142093.68	0.4761	P	0.9
4	☐	125.000	109.240	355992.35	1.1711	P	0.8
5	☐	250.000	220.565	701981.60	2.3592	P	0.6
6	☐	500.000	498.833	1628074.79	5.3291	A	1.0
7	☐	1000.000	1010.206	3360383.70	10.7868	A	1.3
8	☐			13284.82	0.0403	P	2.3

y = 0.0107 * x + 0.0052
R = 0.9995
DL = 0.08161

Weight: <None>
Min Conc: 0

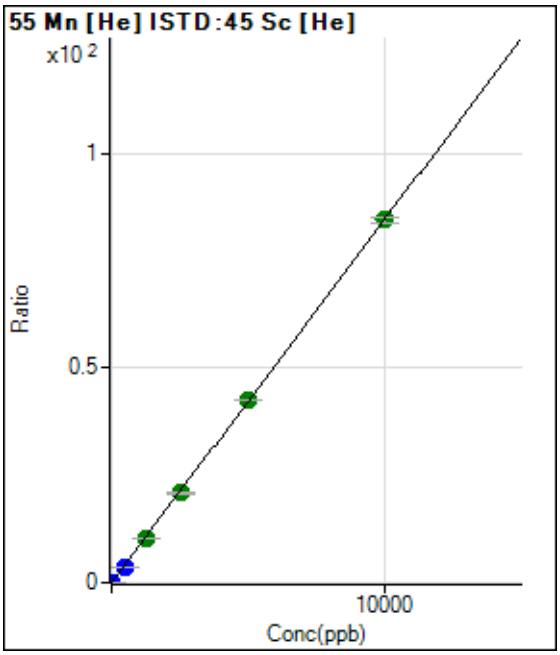


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2181.29	0.0071	P	5.9
2	☐	50.000	49.335	10783.96	0.0352	P	1.0
3	☐	2500.000	2239.485	383281.47	1.2843	P	0.2
4	☐	6250.000	5484.644	953016.26	3.1351	P	1.0
5	☐	12500.000	12487.059	2121153.61	7.1288	A	1.3
6	☐	25000.000	24922.702	4344756.71	14.2211	A	0.7
7	☐	50000.000	49469.742	8791349.18	28.2209	A	1.2
8	☐	250000.00	250136.16	46996479.85	142.6657	A	0.6

y = 5.7032E-004 * x + 0.0071
R = 1.0000
DL = 2.206

Weight: <None>
Min Conc: 0

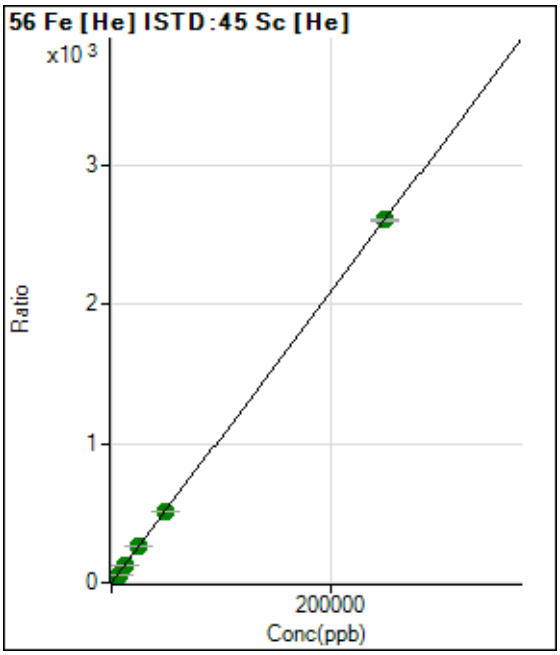
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	871.14	0.0028	P	3.7
2	☐	1.000	0.973	3383.74	0.0111	P	3.6
3	☐	500.000	431.737	1089404.66	3.6504	P	0.5
4	☐	1250.000	1210.602	3110195.92	10.2308	A	0.8
5	☐	2500.000	2475.966	6225009.28	20.9215	A	1.5
6	☐	5000.000	5035.883	12999080.36	42.5494	A	0.3
7	☐	10000.000	9996.405	26310042.94	84.4593	A	1.6
8	☐			15237.82	0.0463	P	1.2

y = 0.0084 * x + 0.0028
R = 1.0000
DL = 0.03692

Weight: <None>
Min Conc: 0

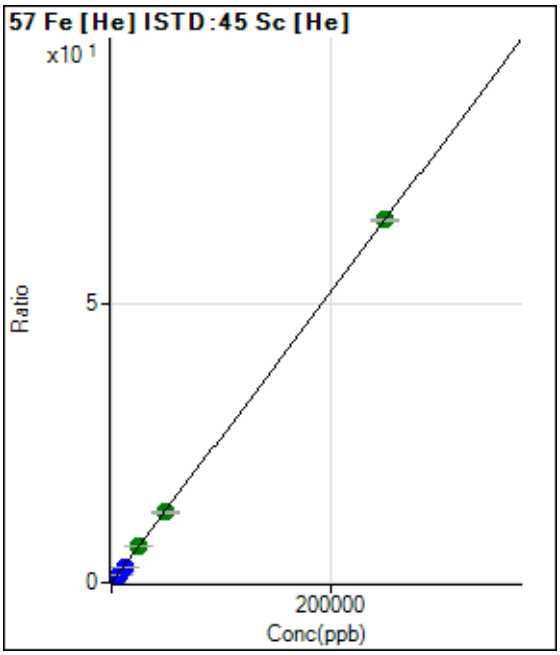


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17710.57	0.0575	P	1.2
2	☐	50.000	47.506	169109.42	0.5524	P	0.9
3	☐	2500.000	2415.634	7526177.46	25.2189	A	0.4
4	☐	6250.000	5917.026	18752694.44	61.6897	A	0.9
5	☐	12500.000	12113.955	37562508.33	126.2373	A	0.7
6	☐	25000.000	24649.402	78458753.28	256.8074	A	0.7
7	☐	50000.000	48940.011	158816874.3	509.8201	A	0.9
8	☐	250000.00	250275.52	858774920.5	2,606.944	A	0.4

y = 0.0104 * x + 0.0575
R = 1.0000
DL = 0.1917

Weight: <None>
Min Conc: 0

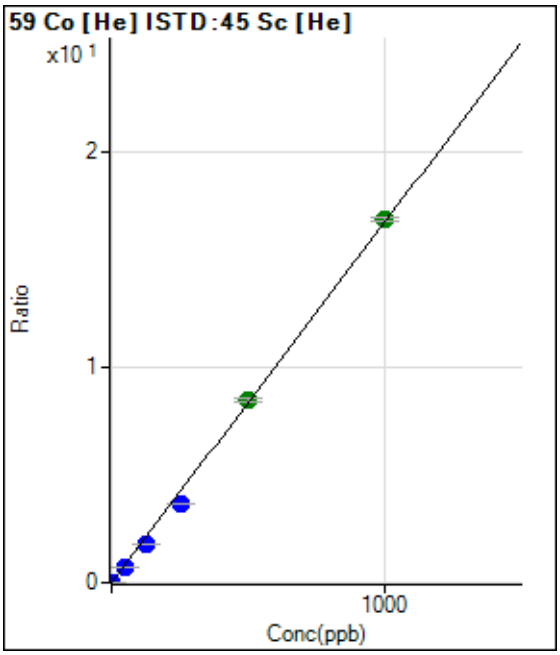
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1142.28	0.0037	P	4.6
2	☐	50.000	47.923	4951.98	0.0162	P	1.5
3	☐	2500.000	2206.340	172332.48	0.5775	P	0.1
4	☐	6250.000	5419.206	429505.50	1.4129	P	1.6
5	☐	12500.000	11054.726	856477.05	2.8784	P	0.5
6	☐	25000.000	24846.005	1975100.79	6.4648	A	0.8
7	☐	50000.000	48588.790	3936983.97	12.6390	A	2.1
8	☐	250000.00	250393.61	21450809.40	65.1174	A	0.6

y = 2.6005E-004 * x + 0.0037
R = 1.0000
DL = 1.975

Weight: <None>
Min Conc: 0

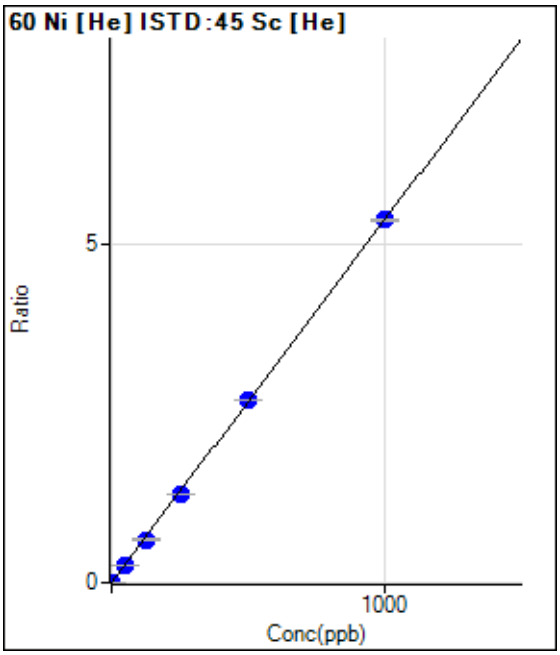


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	82.22	0.0003	P	10.3
2	☐	1.000	1.029	5363.23	0.0175	P	2.0
3	☐	50.000	43.592	218118.27	0.7309	P	0.5
4	☐	125.000	107.827	549458.99	1.8075	P	0.4
5	☐	250.000	218.661	1090543.02	3.6651	P	0.5
6	☐	500.000	506.757	2595028.90	8.4937	A	1.4
7	☐	1000.000	1006.923	5257269.58	16.8767	A	1.1
8	☐			8986.11	0.0273	P	1.3

y = 0.0168 * x + 2.6708E-004
R = 0.9994
DL = 0.00493

Weight: <None>
Min Conc: 0

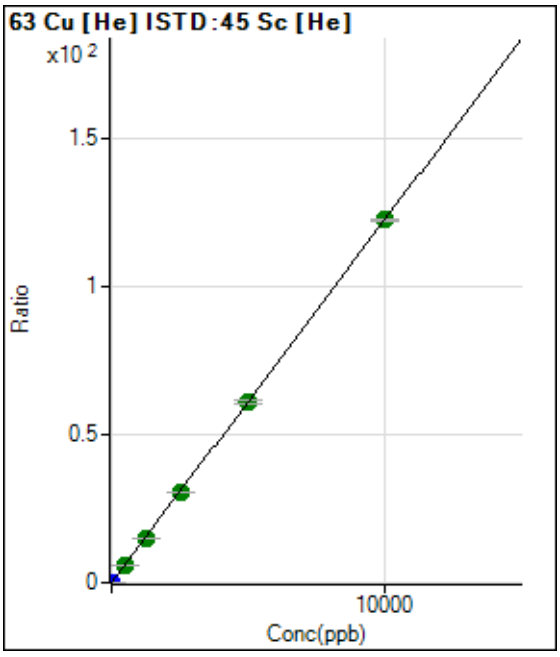
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	479.63	0.0016	P	10.9
2	☐	1.000	1.151	2363.94	0.0077	P	0.9
3	☐	50.000	48.626	78165.45	0.2619	P	0.5
4	☐	125.000	118.976	194128.48	0.6386	P	0.5
5	☐	250.000	243.350	388162.92	1.3046	P	0.9
6	☐	500.000	503.227	823681.67	2.6960	P	0.8
7	☐	1000.000	1000.871	1669908.33	5.3606	P	0.8
8	☐			5717.38	0.0174	P	1.3

y = 0.0054 * x + 0.0016
R = 1.0000
DL = 0.09497

Weight: <None>
Min Conc: 0

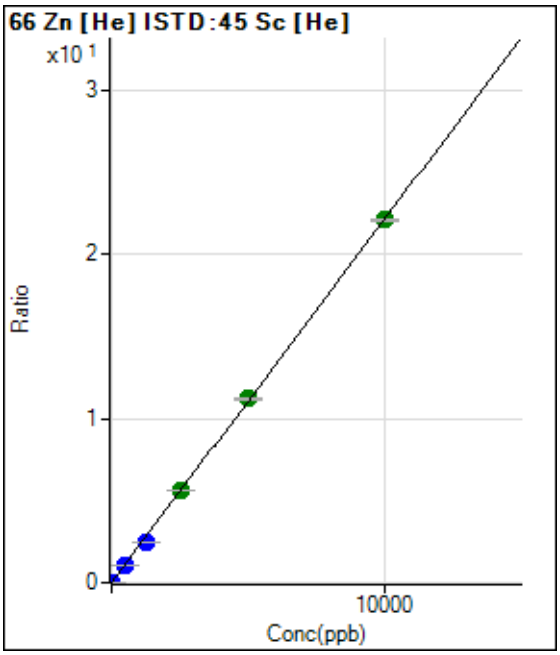


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1341.19	0.0044	P	3.9
2	☐	2.000	1.927	8566.97	0.0280	P	3.6
3	☐	500.000	495.246	1812934.61	6.0749	A	1.3
4	☐	1250.000	1227.319	4574351.70	15.0483	A	1.8
5	☐	2500.000	2510.903	9159215.91	30.7820	A	0.6
6	☐	5000.000	4984.636	18667695.97	61.1040	A	1.1
7	☐	10000.000	10008.029	38216342.77	122.6787	A	0.7
8	☐			7489.73	0.0227	P	1.9

y = 0.0123 * x + 0.0044
R = 1.0000
DL = 0.04165

Weight: <None>
Min Conc: 0

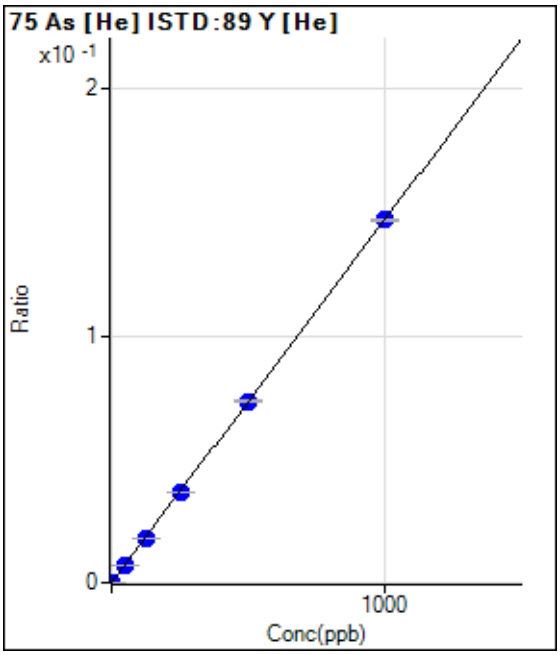
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1498.98	0.0049	P	4.3
2	☐	5.000	5.407	5150.93	0.0168	P	1.3
3	☐	500.000	451.141	299154.43	1.0024	P	0.5
4	☐	1250.000	1096.305	738381.90	2.4290	P	1.2
5	☐	2500.000	2537.366	1670848.12	5.6154	A	0.8
6	☐	5000.000	5055.402	3416404.67	11.1833	A	1.5
7	☐	10000.000	9984.612	6879265.87	22.0826	A	0.3
8	☐			5078.69	0.0154	P	3.6

y = 0.0022 * x + 0.0049
R = 0.9998
DL = 0.282

Weight: <None>
Min Conc: 0

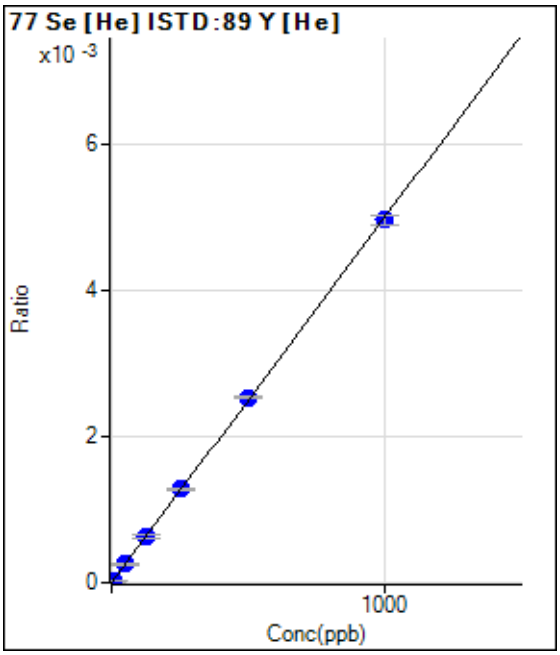


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.86	0.0000	P	41.1
2	☐	1.000	1.035	415.72	0.0002	P	6.9
3	☐	50.000	49.287	18953.66	0.0072	P	0.5
4	☐	125.000	122.332	47903.51	0.0180	P	1.0
5	☐	250.000	247.787	96116.38	0.0364	P	0.4
6	☐	500.000	500.079	199397.82	0.0735	P	1.3
7	☐	1000.000	1000.883	405006.98	0.1470	P	0.7
8	☐			497.16	0.0002	P	6.4

y = 1.4689E-004 * x + 1.7826E-006
R = 1.0000
DL = 0.01496

Weight: <None>
Min Conc: 0

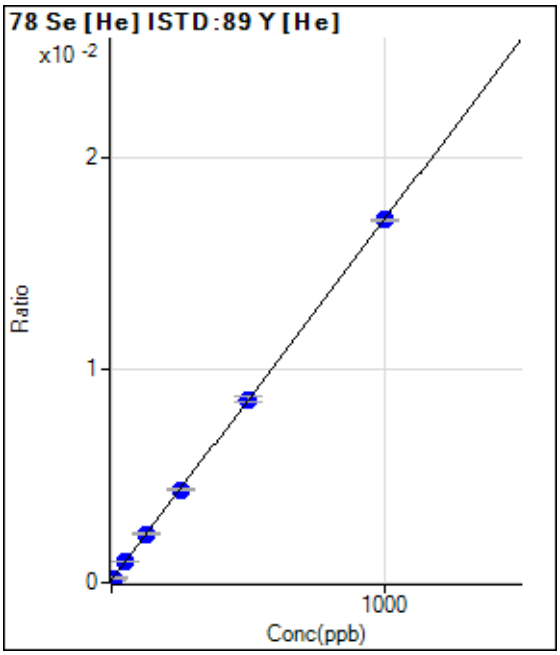
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	5.000	4.533	62.22	0.0000	P	17.6
3	☐	50.000	51.958	680.02	0.0003	P	7.9
4	☐	125.000	127.396	1696.78	0.0006	P	6.0
5	☐	250.000	256.055	3377.09	0.0013	P	2.2
6	☐	500.000	508.012	6886.09	0.0025	P	1.2
7	☐	1000.000	994.085	13674.17	0.0050	P	2.4
8	☐			17.78	0.0000	P	22.2

y = 4.9928E-006 * x + 4.0977E-007
R = 0.9999
DL = 0.4265

Weight: <None>
Min Conc: 0

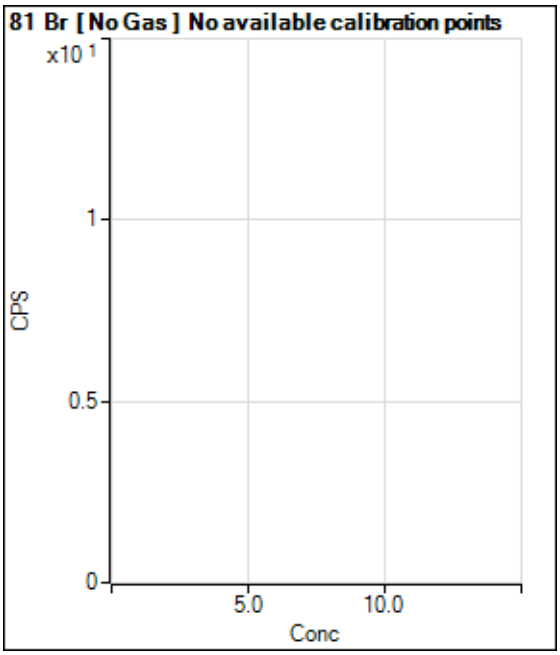


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	361.12	0.0001	P	4.5
2	☐	5.000	5.498	610.02	0.0002	P	7.4
3	☐	50.000	51.585	2635.82	0.0010	P	3.7
4	☐	125.000	127.367	6110.19	0.0023	P	2.3
5	☐	250.000	249.922	11541.24	0.0044	P	1.4
6	☐	500.000	501.571	23444.21	0.0086	P	3.0
7	☐	1000.000	998.856	47027.80	0.0171	P	0.9
8	☐			500.01	0.0002	P	6.6

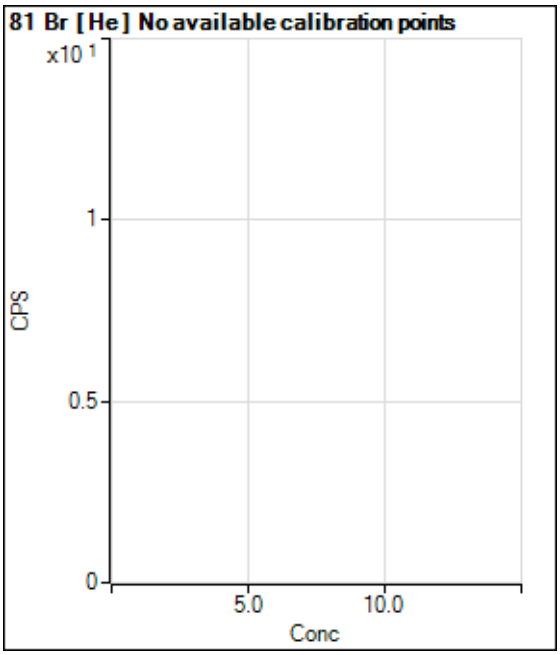
y = 1.6958E-005 * x + 1.3227E-004
R = 1.0000
DL = 1.055

Weight: <None>
Min Conc: 0

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

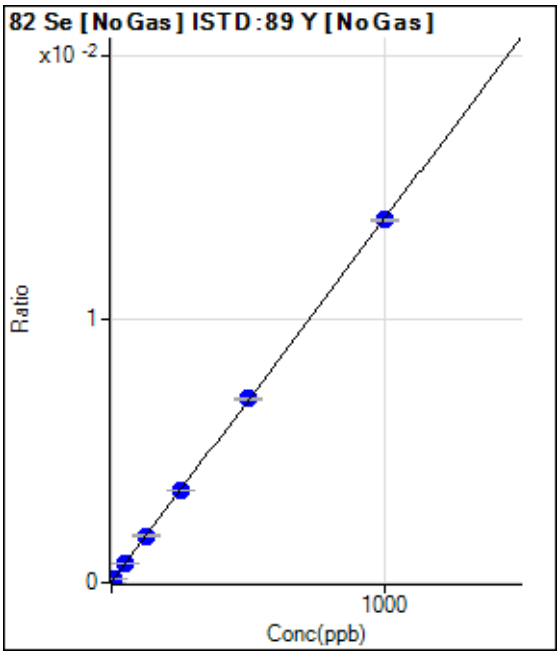


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8013.35		P	2.0
2	☐			7959.98		P	1.7
3	☐			7906.62		P	4.0
4	☐			8125.65		P	1.0
5	☐			7997.80		P	5.5
6	☐			8143.42		P	1.2
7	☐			8577.00		P	2.9
8	☐			10715.08		P	2.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			183.34		P	5.5
2	☐			162.22		P	15.7
3	☐			183.34		P	13.7
4	☐			163.33		P	15.4
5	☐			136.67		P	7.3
6	☐			151.12		P	7.1
7	☐			142.23		P	1.4
8	☐			501.13		P	6.0

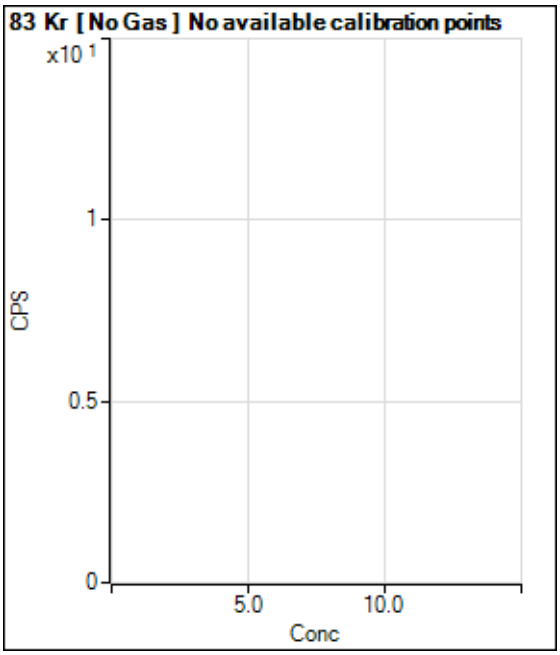
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	265.32	0.0000	P	21.2
2	☐	5.000	6.201	1031.39	0.0001	P	4.0
3	☐	50.000	51.254	6464.97	0.0007	P	2.3
4	☐	125.000	126.951	15488.78	0.0018	P	1.5
5	☐	250.000	251.961	30549.37	0.0035	P	0.8
6	☐	500.000	504.515	62451.33	0.0070	P	0.6
7	☐	1000.000	996.940	124034.20	0.0138	P	0.6
8	☐			334.19	0.0000	P	30.3

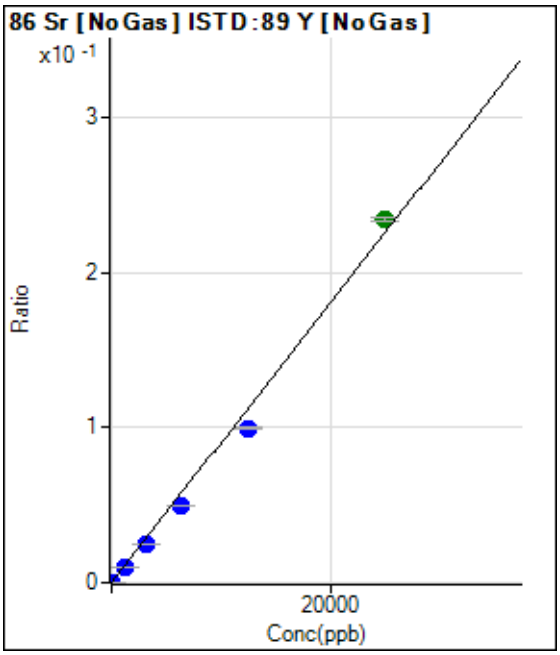
y = 1.3779E-005 * x + 2.9528E-005
R = 1.0000
DL = 1.366

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			443.34		P	7.6
2	☐			384.45		P	11.5
3	☐			456.68		P	4.6
4	☐			462.23		P	7.4
5	☐			421.12		P	7.2
6	☐			450.01		P	5.3
7	☐			472.23		P	3.3
8	☐			587.80		P	10.8

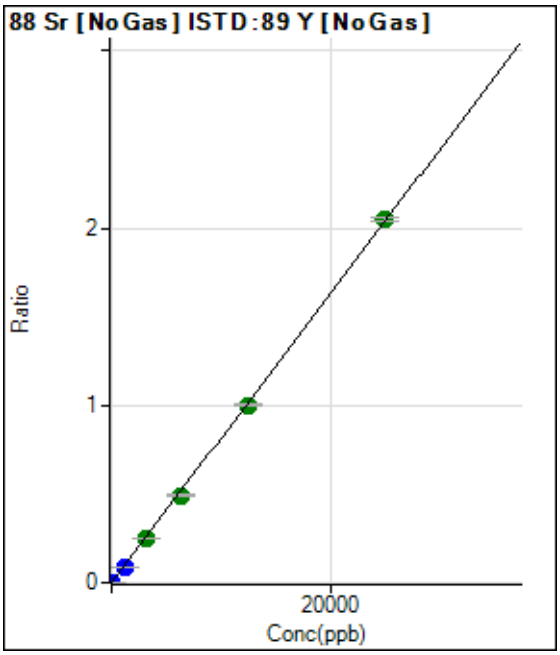
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	716.69	0.0001	P	7.6
2	☐	1.000	23.464	2613.59	0.0003	P	4.8
3	☐	1250.000	1103.815	88108.40	0.0100	P	0.8
4	☐	3125.000	2713.171	213654.68	0.0245	P	1.5
5	☐	6250.000	5489.294	432433.70	0.0496	P	0.8
6	☐	12500.000	11042.575	891218.93	0.0996	P	0.9
7	☐	25000.000	25977.676	2110641.32	0.2342	A	1.1
8	☐			26975.93	0.0029	P	1.5

y = 9.0143E-006 * x + 7.9775E-005
R = 0.9971
DL = 2.01

Weight: <None>
Min Conc: 0

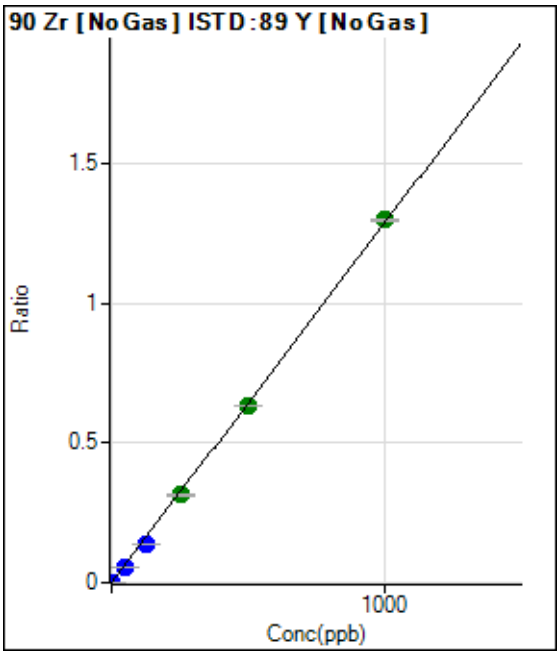


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	240.00	0.0000	P	12.1
2	☐	1.000	22.629	16746.30	0.0019	P	1.7
3	☐	1250.000	1070.297	764674.48	0.0870	P	1.0
4	☐	3125.000	3033.317	2147703.21	0.2467	A	1.9
5	☐	6250.000	6064.914	4302737.06	0.4931	A	0.8
6	☐	12500.000	12313.848	8956418.48	1.0012	A	1.2
7	☐	25000.000	25159.792	18431709.86	2.0457	A	1.0
8	☐			229174.21	0.0246	P	1.1

y = 8.1306E-005 * x + 2.6720E-005
R = 0.9999
DL = 0.1194

Weight: <None>
Min Conc: 0

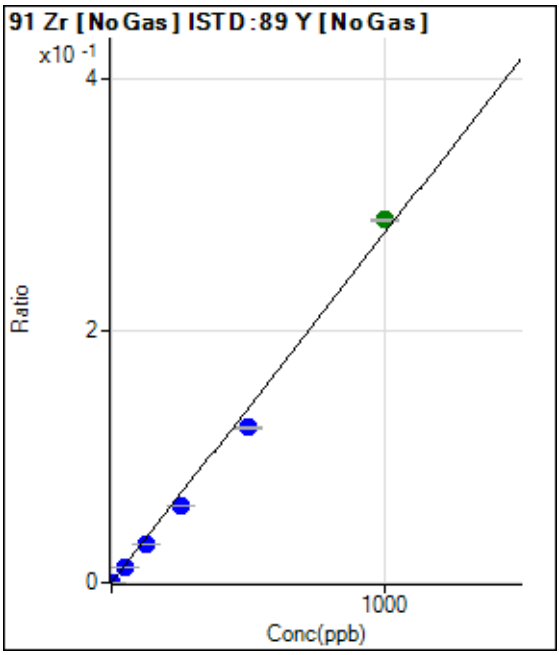
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	314.45	0.0000	P	11.9
2	☐	1.000	0.871	10381.53	0.0012	P	1.7
3	☐	50.000	42.401	480274.89	0.0547	P	0.7
4	☐	125.000	105.404	1182968.09	0.1359	P	0.9
5	☐	250.000	244.368	2747455.26	0.3149	A	1.6
6	☐	500.000	490.716	5657409.78	0.6324	A	0.4
7	☐	1000.000	1008.879	11713551.63	1.3000	A	0.6
8	☐			10191.41	0.0011	P	2.6

y = 0.0013 * x + 3.5006E-005
R = 0.9998
DL = 0.009673

Weight: <None>
Min Conc: 0

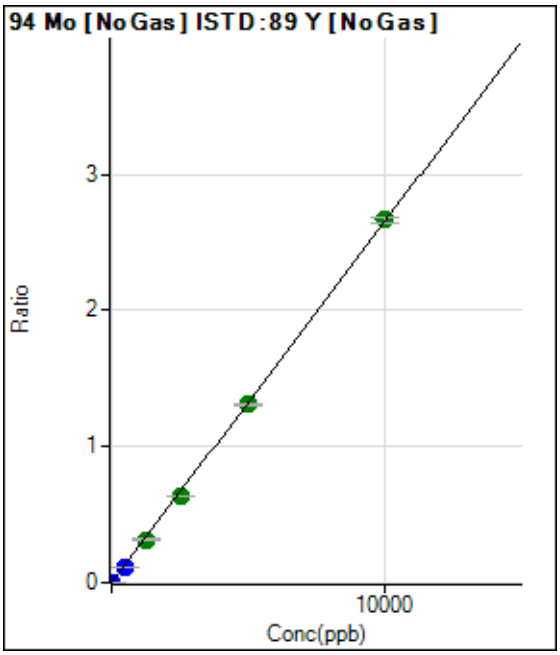


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.78	0.0000	P	24.9
2	☐	1.000	0.874	2241.31	0.0002	P	4.7
3	☐	50.000	43.814	106775.12	0.0122	P	0.5
4	☐	125.000	108.881	262909.18	0.0302	P	1.2
5	☐	250.000	219.303	530549.99	0.0608	P	1.2
6	☐	500.000	443.332	1099633.24	0.1229	P	0.6
7	☐	1000.000	1038.333	2593741.53	0.2879	A	0.6
8	☐			2162.40	0.0002	P	6.1

y = 2.7724E-004 * x + 7.5453E-006
R = 0.9972
DL = 0.02029

Weight: <None>
Min Conc: 0

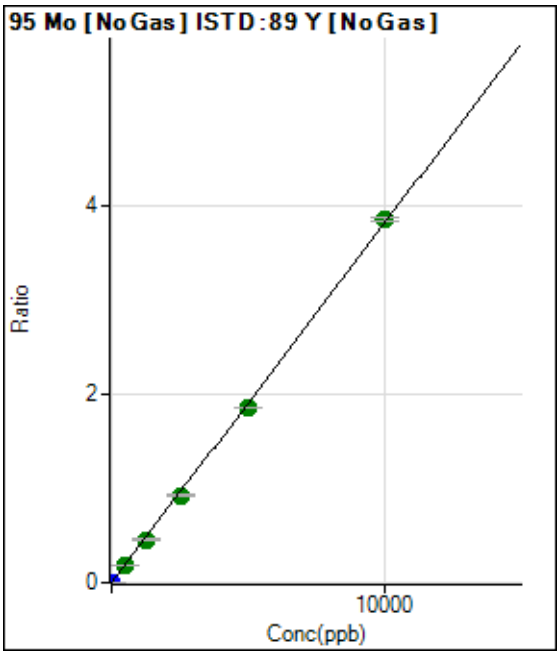
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	215.56	0.0000	P	18.7
2	☐	5.000	5.167	12495.42	0.0014	P	2.3
3	☐	500.000	422.472	983430.77	0.1120	P	1.0
4	☐	1250.000	1198.080	2764148.33	0.3174	A	1.4
5	☐	2500.000	2407.712	5565939.78	0.6379	A	0.5
6	☐	5000.000	4944.164	11718400.80	1.3099	A	1.0
7	☐	10000.000	10061.356	24017011.59	2.6656	A	1.2
8	☐			7784.36	0.0008	P	0.7

y = 2.6493E-004 * x + 2.3989E-005
R = 0.9999
DL = 0.05079

Weight: <None>
Min Conc: 0

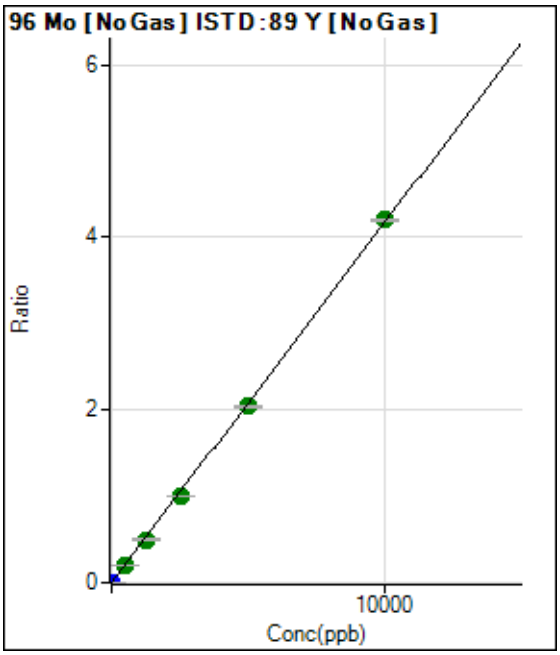


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	168.89	0.0000	P	23.1
2	☐	5.000	4.561	15743.03	0.0018	P	1.2
3	☐	500.000	484.297	1619600.98	0.1844	A	0.5
4	☐	1250.000	1196.221	3964812.02	0.4553	A	2.4
5	☐	2500.000	2432.337	8078182.94	0.9258	A	1.6
6	☐	5000.000	4867.224	16573627.95	1.8526	A	1.1
7	☐	10000.000	10090.811	34605124.76	3.8408	A	1.2
8	☐			6906.14	0.0007	P	4.1

y = 3.8062E-004 * x + 1.8806E-005
R = 0.9998
DL = 0.03425

Weight: <None>
Min Conc: 0

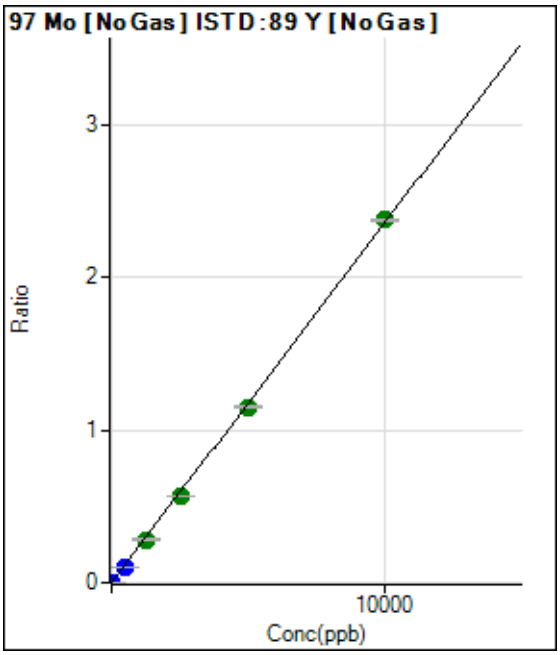
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	210.01	0.0000	P	19.4
2	☐	5.000	4.591	17377.10	0.0019	P	1.8
3	☐	500.000	485.744	1778900.30	0.2025	A	1.3
4	☐	1250.000	1197.110	4345213.72	0.4990	A	1.4
5	☐	2500.000	2406.990	8753493.34	1.0033	A	1.5
6	☐	5000.000	4894.625	18251084.59	2.0402	A	0.7
7	☐	10000.000	10083.264	37869375.82	4.2030	A	0.2
8	☐			12637.81	0.0014	P	3.5

y = 4.1683E-004 * x + 2.3380E-005
R = 0.9999
DL = 0.03265

Weight: <None>
Min Conc: 0

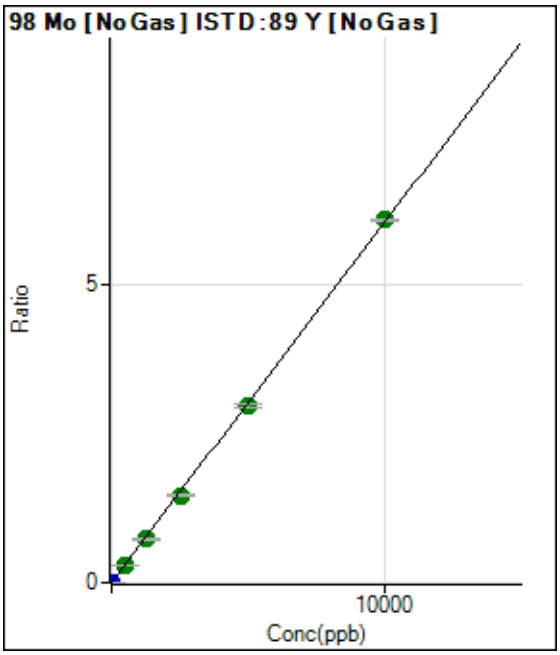


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	121.11	0.0000	P	10.4
2	☐	5.000	4.565	9770.00	0.0011	P	1.0
3	☐	500.000	424.780	879195.39	0.1001	P	0.3
4	☐	1250.000	1201.863	2465481.72	0.2831	A	0.4
5	☐	2500.000	2404.380	4941904.68	0.5664	A	0.9
6	☐	5000.000	4885.086	10294568.94	1.1508	A	0.7
7	☐	10000.000	10091.140	21418436.63	2.3772	A	0.6
8	☐			4362.91	0.0005	P	2.6

y = 2.3557E-004 * x + 1.3481E-005
R = 0.9998
DL = 0.01779

Weight: <None>
Min Conc: 0

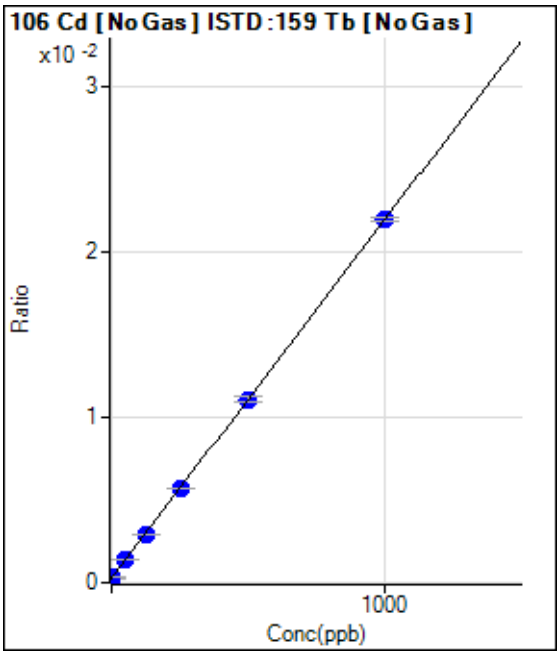
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	240.00	0.0000	P	18.3
2	☐	5.000	4.553	24972.54	0.0028	P	0.2
3	☐	500.000	485.793	2584142.39	0.2942	A	1.7
4	☐	1250.000	1204.010	6348667.75	0.7291	A	0.8
5	☐	2500.000	2424.795	12811102.73	1.4683	A	0.9
6	☐	5000.000	4911.882	26611536.83	2.9743	A	1.2
7	☐	10000.000	10069.320	54936159.74	6.0972	A	0.2
8	☐			10777.39	0.0012	P	2.2

y = 6.0552E-004 * x + 2.6723E-005
R = 0.9999
DL = 0.02417

Weight: <None>
Min Conc: 0

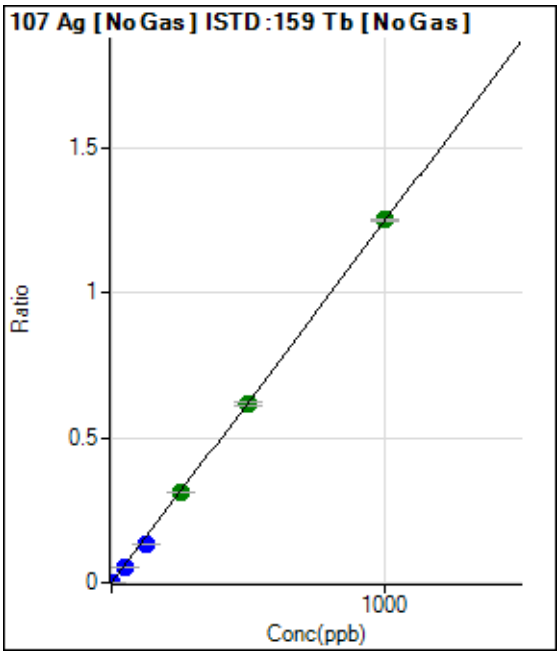


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1904.59	0.0003	P	3.3
2	☐	1.000	1.198	2125.74	0.0003	P	5.4
3	☐	50.000	52.830	9877.90	0.0014	P	2.4
4	☐	125.000	123.540	20525.67	0.0030	P	1.0
5	☐	250.000	250.097	39396.73	0.0057	P	0.6
6	☐	500.000	499.503	78858.22	0.0111	P	2.7
7	☐	1000.000	1000.265	157023.52	0.0219	P	1.0
8	☐			2321.32	0.0003	P	3.7

y = 2.1667E-005 * x + 2.7362E-004
R = 1.0000
DL = 1.267

Weight: <None>
Min Conc: 0

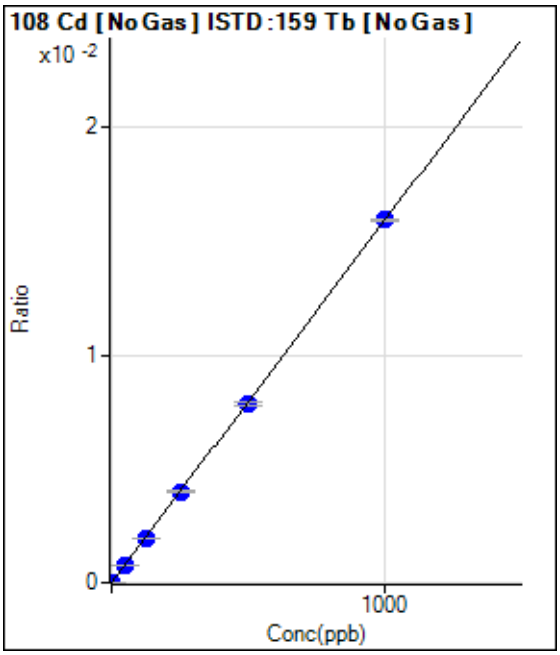
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.24	0.0000	P	8.1
2	☐	1.000	0.898	8000.85	0.0011	P	0.5
3	☐	50.000	43.869	380416.11	0.0546	P	0.7
4	☐	125.000	107.739	933170.60	0.1341	P	1.0
5	☐	250.000	250.265	2156019.17	0.3115	A	1.2
6	☐	500.000	495.370	4381743.05	0.6166	A	2.8
7	☐	1000.000	1004.713	8948033.54	1.2507	A	0.7
8	☐			959.94	0.0001	P	5.2

y = 0.0012 * x + 8.7980E-006
R = 0.9998
DL = 0.001708

Weight: <None>
Min Conc: 0

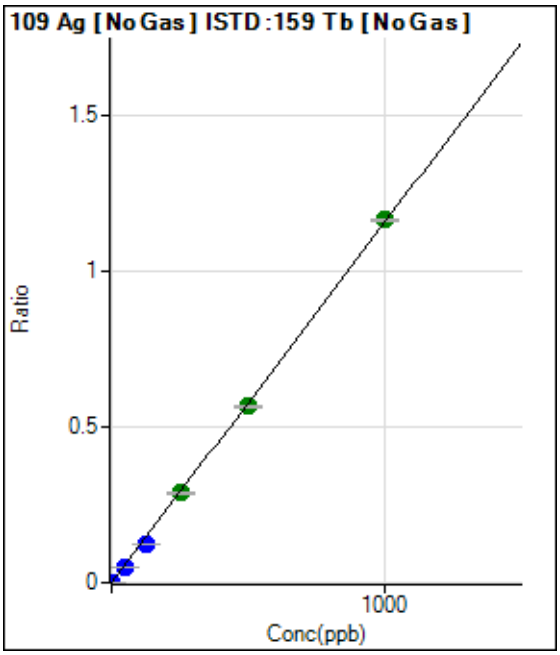


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.44	0.0000	P	43.2
2	☐	1.000	1.132	132.23	0.0000	P	17.6
3	☐	50.000	49.457	5485.53	0.0008	P	1.8
4	☐	125.000	121.487	13454.11	0.0019	P	0.7
5	☐	250.000	251.100	27656.43	0.0040	P	1.0
6	☐	500.000	495.542	56034.45	0.0079	P	2.1
7	☐	1000.000	1002.420	114127.08	0.0160	P	0.5
8	☐			72.22	0.0000	P	5.8

y = 1.5912E-005 * x + 6.3812E-007
R = 1.0000
DL = 0.05203

Weight: <None>
Min Conc: 0

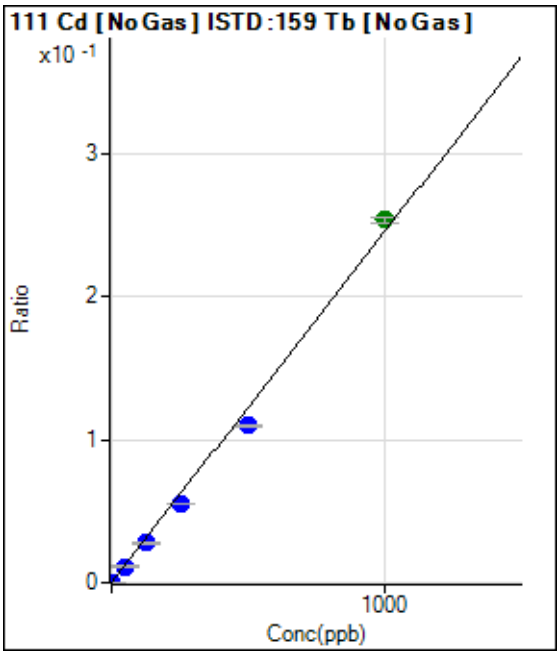
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34.44	0.0000	P	29.6
2	☐	1.000	0.912	7507.56	0.0011	P	3.6
3	☐	50.000	43.373	348714.12	0.0501	P	1.3
4	☐	125.000	106.364	854197.42	0.1228	P	1.6
5	☐	250.000	249.424	1992398.24	0.2879	A	1.0
6	☐	500.000	489.611	4015931.92	0.5651	A	1.1
7	☐	1000.000	1007.999	8324014.11	1.1634	A	0.7
8	☐			811.14	0.0001	P	4.5

y = 0.0012 * x + 4.9494E-006
R = 0.9998
DL = 0.003813

Weight: <None>
Min Conc: 0

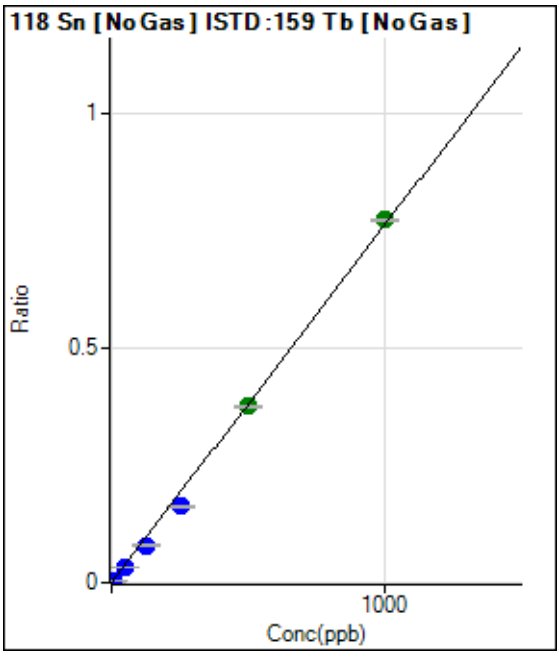


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1338.99	0.0002	P	3.3
2	☐	1.000	0.953	3023.34	0.0004	P	1.2
3	☐	50.000	45.662	79279.32	0.0114	P	1.6
4	☐	125.000	111.723	191828.42	0.0276	P	0.6
5	☐	250.000	224.408	381950.58	0.0552	P	0.6
6	☐	500.000	447.941	781516.03	0.1100	P	1.3
7	☐	1000.000	1034.304	1814974.99	0.2537	A	1.6
8	☐			2245.50	0.0003	P	3.2

y = 2.4507E-004 * x + 1.9237E-004
R = 0.9977
DL = 0.07867

Weight: <None>
Min Conc: 0

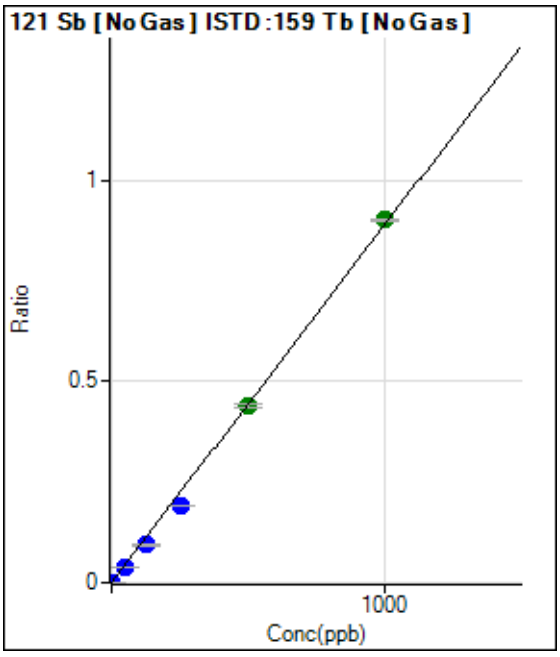
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1616.77	0.0002	P	7.3
2	☐	5.000	4.456	25749.76	0.0036	P	1.5
3	☐	50.000	42.998	229863.24	0.0330	P	0.9
4	☐	125.000	104.307	554702.89	0.0797	P	0.8
5	☐	250.000	212.457	1122212.37	0.1622	P	0.7
6	☐	500.000	493.997	2677402.88	0.3767	A	1.1
7	☐	1000.000	1015.327	5538276.13	0.7740	A	0.8
8	☐			2590.26	0.0004	P	3.5

y = 7.6212E-004 * x + 2.3227E-004
R = 0.9992
DL = 0.06656

Weight: <None>
Min Conc: 0

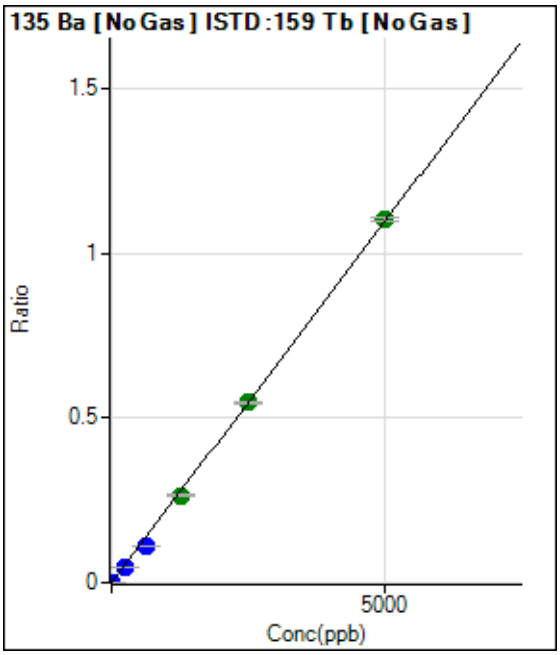


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.00	0.0000	P	19.2
2	☐	2.000	1.817	11486.89	0.0016	P	2.4
3	☐	50.000	42.669	264027.99	0.0379	P	1.4
4	☐	125.000	105.345	651091.95	0.0936	P	1.1
5	☐	250.000	213.826	1314598.71	0.1899	P	0.5
6	☐	500.000	494.709	3123388.18	0.4395	A	2.1
7	☐	1000.000	1014.513	6447814.28	0.9012	A	0.9
8	☐			4666.36	0.0007	P	4.1

y = 8.8831E-004 * x + 4.3095E-006
R = 0.9992
DL = 0.002801

Weight: <None>
Min Conc: 0

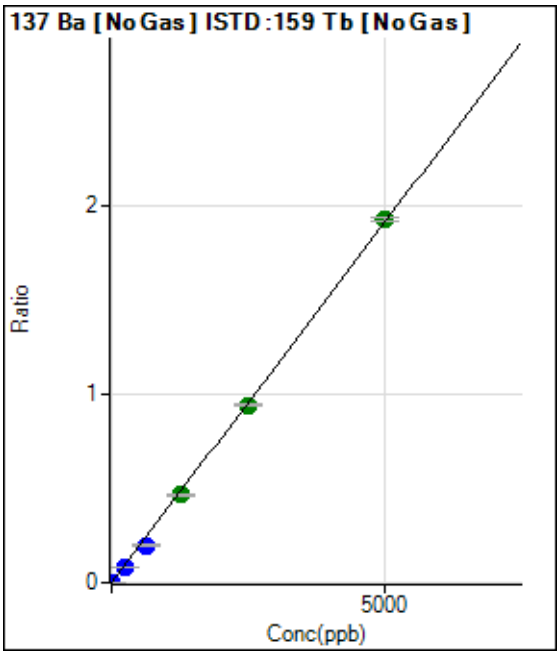
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.78	0.0000	P	59.9
2	☐	10.000	8.971	13968.07	0.0020	P	1.2
3	☐	250.000	209.270	318874.95	0.0458	P	1.4
4	☐	625.000	512.761	780390.61	0.1122	P	0.5
5	☐	1250.000	1210.421	1832410.88	0.2648	A	1.4
6	☐	2500.000	2492.722	3875145.88	0.5453	A	0.2
7	☐	5000.000	5029.602	7871700.37	1.1002	A	1.2
8	☐			3988.38	0.0006	P	1.9

y = 2.1874E-004 * x + 5.4248E-006
R = 0.9998
DL = 0.04458

Weight: <None>
Min Conc: 0

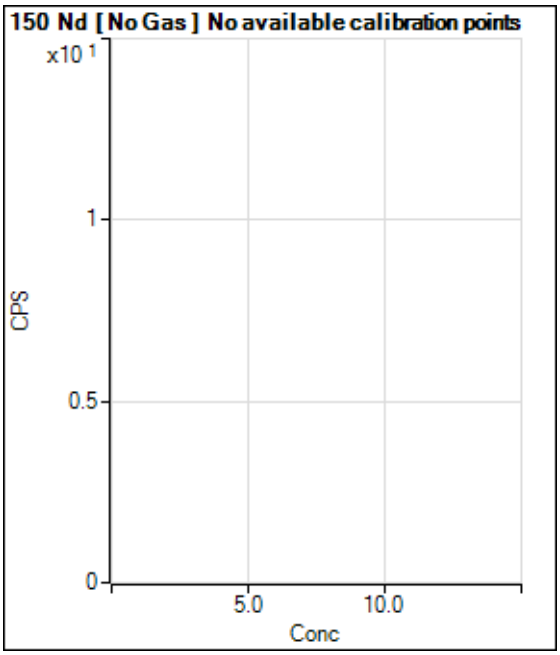


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	76.67	0.0000	P	11.5
2	☐	10.000	8.786	23891.23	0.0034	P	2.6
3	☐	250.000	209.328	556902.87	0.0800	P	1.4
4	☐	625.000	519.064	1379205.40	0.1983	P	3.7
5	☐	1250.000	1222.777	3232113.42	0.4670	A	1.4
6	☐	2500.000	2469.070	6701270.59	0.9430	A	1.3
7	☐	5000.000	5037.549	13766214.10	1.9240	A	1.0
8	☐			6943.98	0.0010	P	2.2

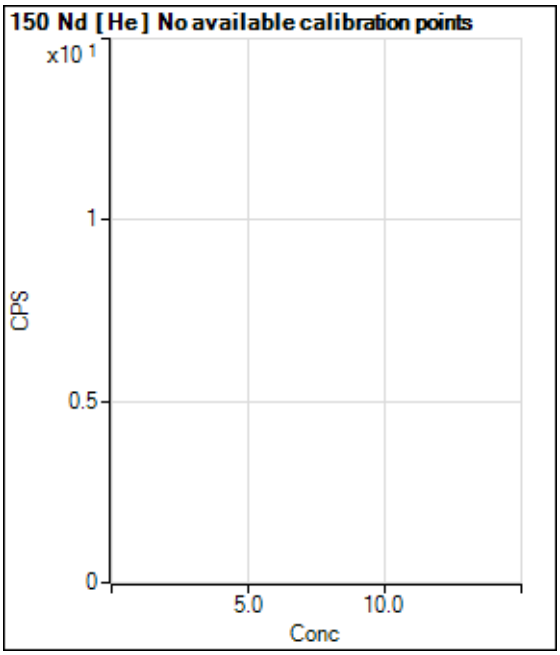
y = 3.8192E-004 * x + 1.1015E-005
R = 0.9998
DL = 0.009977

Weight: <None>
Min Conc: 0

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

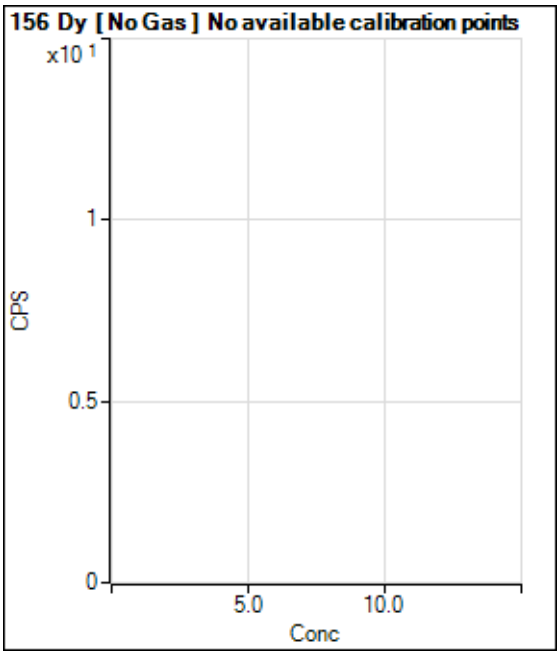


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			10.00		P	33.3
2	☐			5.56		P	34.7
3	☐			11.11		P	45.8
4	☐			41.11		P	26.1
5	☐			64.45		P	20.9
6	☐			153.34		P	10.9
7	☐			273.34		P	18.0
8	☐			138.89		P	5.0

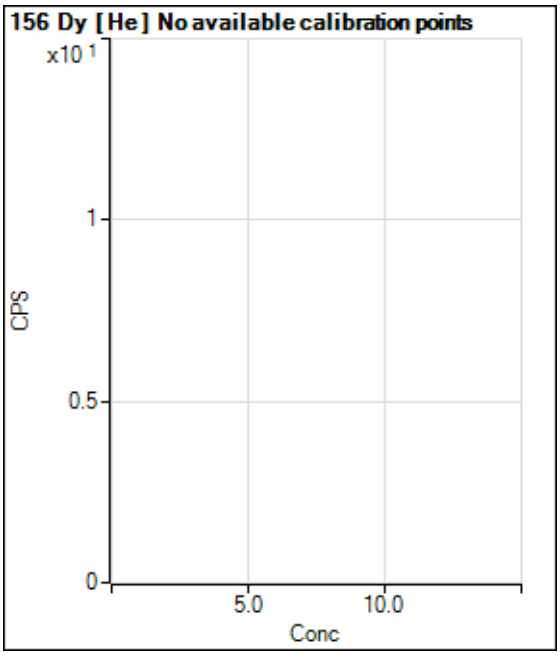


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4.45		P	86.6
2	☐			4.44		P	43.4
3	☐			7.78		P	107.
4	☐			13.33		P	50.0
5	☐			41.11		P	20.4
6	☐			40.00		P	41.7
7	☐			88.89		P	18.5
8	☐			103.33		P	11.6

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

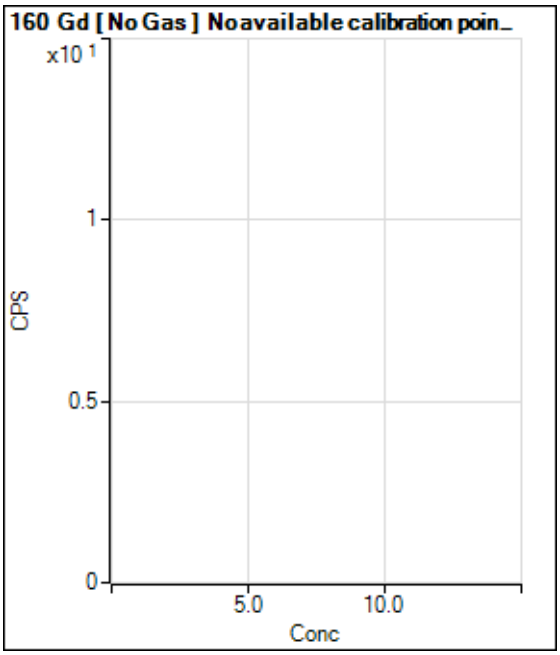


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.56		P	173.
2	☐			7.78		P	65.5
3	☐			14.44		P	66.6
4	☐			20.00		P	16.7
5	☐			27.78		P	13.9
6	☐			76.67		P	13.0
7	☐			134.45		P	19.9
8	☐			280.00		P	16.1

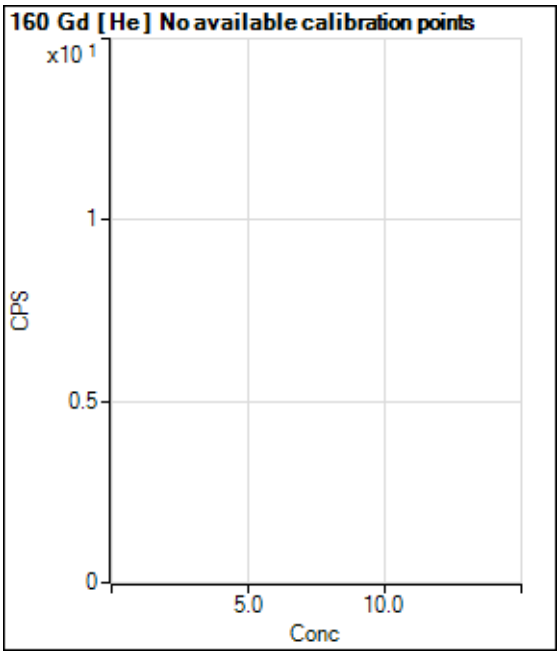


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	100.
2	☐			2.22		P	86.6
3	☐			15.56		P	12.4
4	☐			56.67		P	21.2
5	☐			77.78		P	5.0
6	☐			186.67		P	24.8
7	☐			411.12		P	15.0
8	☐			243.34		P	7.6

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

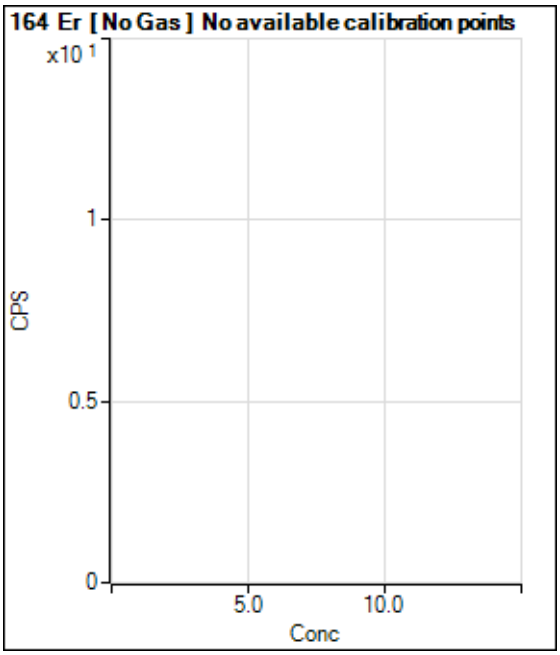


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			28.89		P	24.0
2	☐			40.00		P	22.0
3	☐			44.44		P	22.9
4	☐			54.45		P	19.7
5	☐			60.00		P	14.7
6	☐			90.00		P	13.4
7	☐			146.67		P	3.9
8	☐			342.23		P	7.4

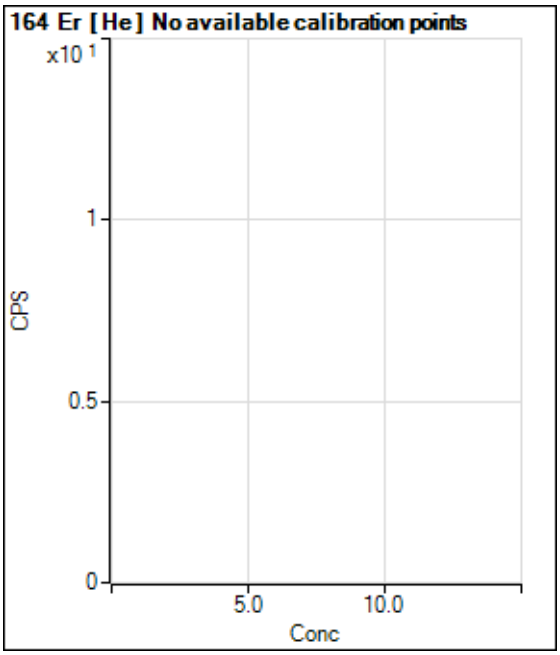


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			295.56		P	7.5
2	☐			312.23		P	9.2
3	☐			302.23		P	7.7
4	☐			311.12		P	15.5
5	☐			301.12		P	10.3
6	☐			331.12		P	9.0
7	☐			375.57		P	4.0
8	☐			532.24		P	2.8

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

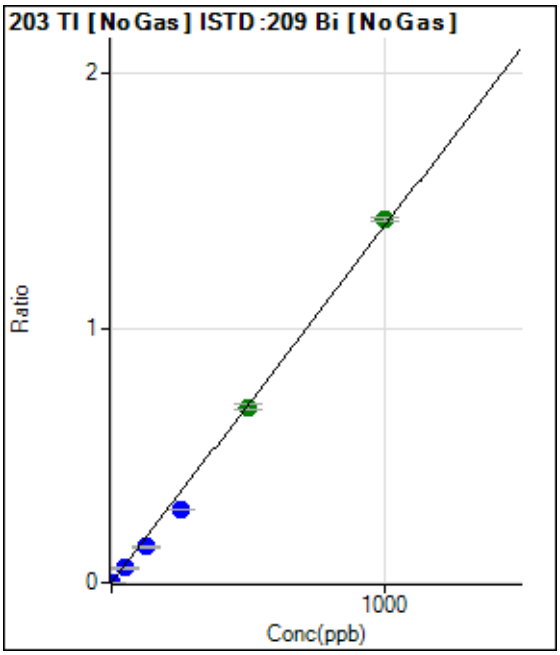


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			40.00		P	30.0
2	☐			35.56		P	28.6
3	☐			60.00		P	14.7
4	☐			64.45		P	16.6
5	☐			91.11		P	18.0
6	☐			127.78		P	10.5
7	☐			225.56		P	8.1
8	☐			712.25		P	7.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			20.00		P	33.4
2	☐			23.33		P	37.8
3	☐			33.33		P	26.4
4	☐			50.00		P	11.5
5	☐			68.89		P	27.5
6	☐			96.67		P	20.7
7	☐			192.23		P	9.5
8	☐			560.02		P	12.5

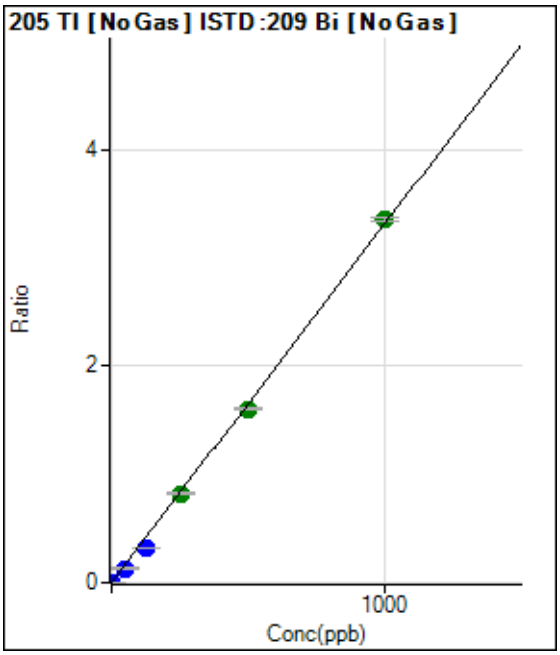
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	21.7
2	☐	1.000	0.857	5433.35	0.0012	P	0.5
3	☐	50.000	40.728	255970.54	0.0570	P	1.7
4	☐	125.000	100.293	628544.69	0.1404	P	1.4
5	☐	250.000	205.447	1279894.91	0.2877	P	1.3
6	☐	500.000	493.386	3189875.33	0.6908	A	2.4
7	☐	1000.000	1017.997	6464104.63	1.4253	A	1.1
8	☐			3649.42	0.0009	P	1.2

y = 0.0014 * x + 1.1099E-005
R = 0.9988
DL = 0.005164

Weight: <None>
Min Conc: 0

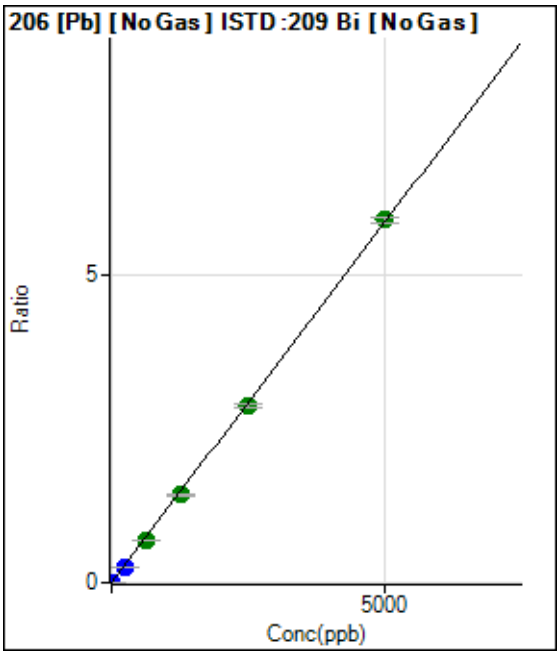


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	157.51	0.0000	P	8.4
2	☐	1.000	0.844	12684.53	0.0028	P	1.9
3	☐	50.000	39.797	591088.64	0.1317	P	2.2
4	☐	125.000	98.271	1455415.82	0.3252	P	1.4
5	☐	250.000	248.086	3652159.08	0.8209	A	1.3
6	☐	500.000	484.533	7403799.13	1.6032	A	1.4
7	☐	1000.000	1012.064	15185882.84	3.3486	A	1.2
8	☐			8991.05	0.0022	P	1.6

y = 0.0033 * x + 3.4267E-005
R = 0.9995
DL = 0.002602

Weight: <None>
Min Conc: 0

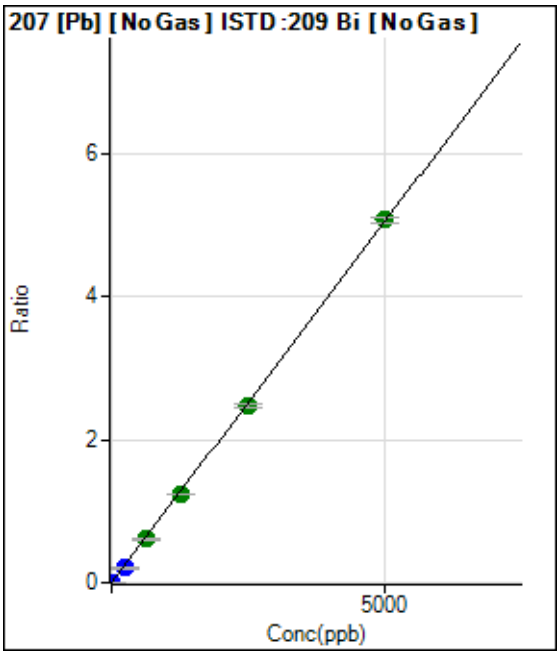
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	414.46	0.0001	P	9.3
2	☐	1.000	0.844	4842.02	0.0011	P	0.8
3	☐	250.000	202.868	1067116.09	0.2378	P	2.0
4	☐	625.000	591.067	3099774.40	0.6926	A	1.3
5	☐	1250.000	1223.080	6375935.53	1.4330	A	1.4
6	☐	2500.000	2455.048	13281037.86	2.8764	A	1.9
7	☐	5000.000	5035.804	26756942.10	5.9000	A	1.7
8	☐			6729.51	0.0016	P	2.9

y = 0.0012 * x + 9.0194E-005
R = 0.9999
DL = 0.02142

Weight: <None>
Min Conc: 0

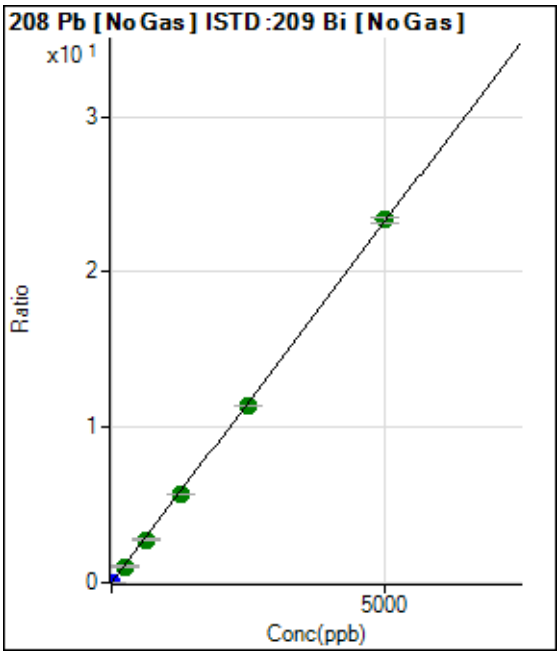


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	360.01	0.0001	P	8.8
2	☐	1.000	0.860	4241.82	0.0009	P	1.5
3	☐	250.000	202.027	913859.26	0.2036	P	2.2
4	☐	625.000	602.972	2719464.11	0.6076	A	1.2
5	☐	1250.000	1233.142	5528791.72	1.2425	A	0.6
6	☐	2500.000	2456.394	11427546.22	2.4750	A	1.5
7	☐	5000.000	5031.170	22988078.55	5.0692	A	1.6
8	☐			5650.11	0.0014	P	1.9

y = 0.0010 * x + 7.8304E-005
R = 0.9999
DL = 0.02051

Weight: <None>
Min Conc: 0

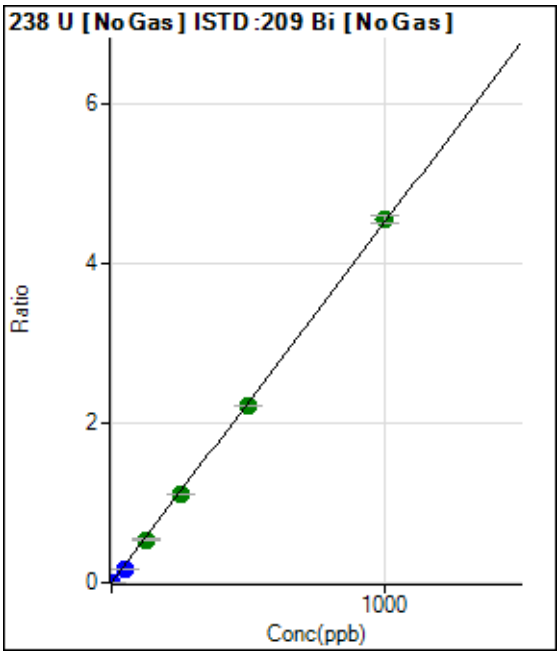
Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1661.17	0.0004	P	2.5
2	☐	1.000	0.839	19094.28	0.0043	P	1.0
3	☐	250.000	225.594	4700658.29	1.0473	A	1.5
4	☐	625.000	595.713	12375188.48	2.7650	A	1.7
5	☐	1250.000	1225.632	25310980.80	5.6885	A	0.6
6	☐	2500.000	2455.915	52631223.38	11.3982	A	0.9
7	☐	5000.000	5033.015	105928917.0	23.3584	A	1.4
8	☐			25952.06	0.0063	P	0.5

y = 0.0046 * x + 3.6131E-004
R = 0.9999
DL = 0.005797

Weight: <None>
Min Conc: 0

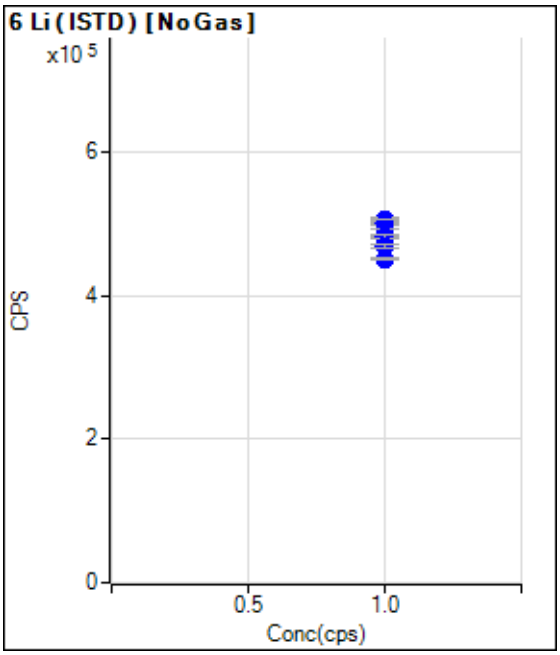


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0000	P	75.0
2	☐	1.000	0.863	17535.00	0.0039	P	1.4
3	☐	50.000	39.255	796763.67	0.1775	P	2.1
4	☐	125.000	119.914	2427259.27	0.5423	A	2.7
5	☐	250.000	246.338	4957103.75	1.1141	A	1.5
6	☐	500.000	489.765	10228506.58	2.2150	A	0.5
7	☐	1000.000	1007.206	20656881.08	4.5552	A	2.0
8	☐			1101.17	0.0003	P	4.1

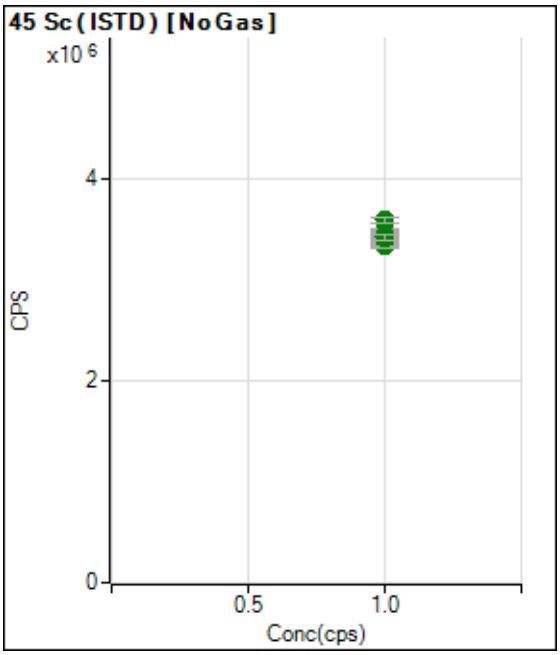
y = 0.0045 * x + 2.8893E-006
R = 0.9999
DL = 0.001437

Weight: <None>
Min Conc: 0

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

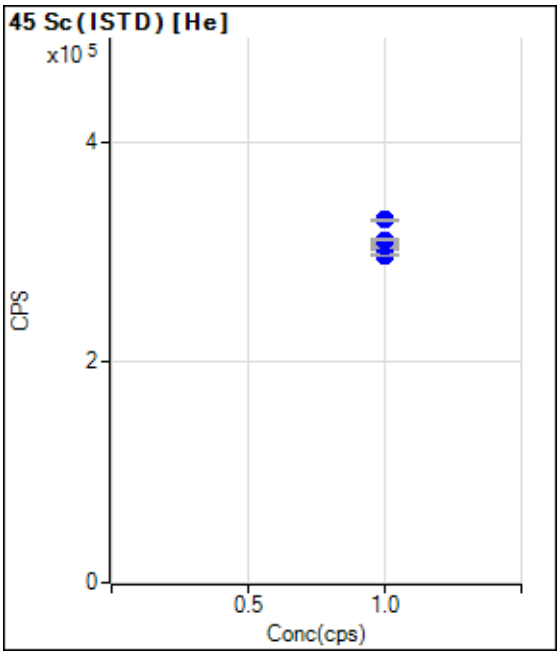


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		504792.99		P	0.7
2	☐	1.000		506031.21		P	1.6
3	☐	1.000		502681.51		P	1.2
4	☐	1.000		493809.51		P	0.2
5	☐	1.000		483831.79		P	0.7
6	☐	1.000		482422.93		P	0.9
7	☐	1.000		469571.46		P	1.1
8	☐	1.000		451804.37		P	0.5

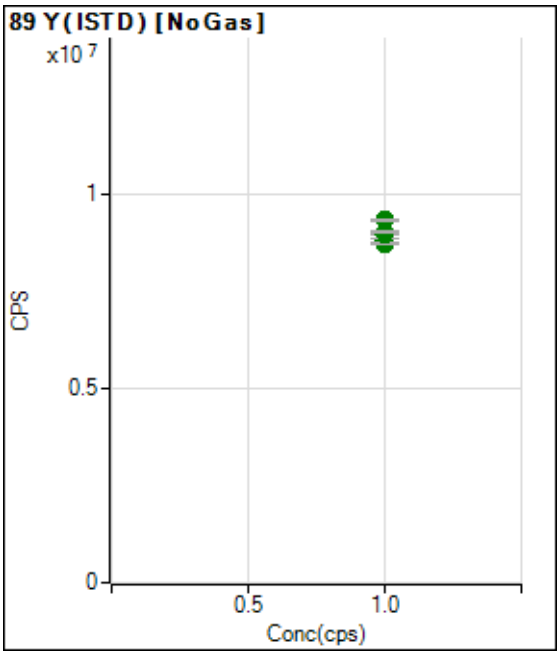


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3489822.24		A	0.7
2	☐	1.000		3438447.00		A	0.9
3	☐	1.000		3381779.01		A	1.4
4	☐	1.000		3361939.85		A	0.4
5	☐	1.000		3321593.56		A	0.3
6	☐	1.000		3398511.72		A	0.3
7	☐	1.000		3412656.54		A	1.2
8	☐	1.000		3586855.22		A	1.4

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

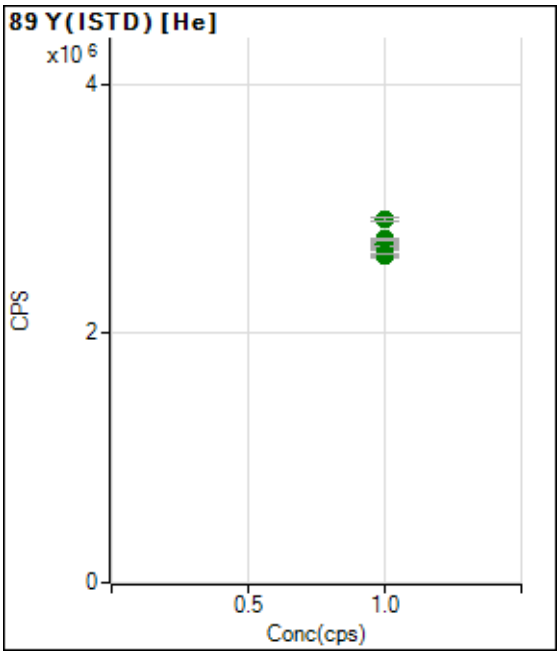


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		307874.17		P	1.2
2	☐	1.000		306167.24		P	0.5
3	☐	1.000		298432.40		P	0.2
4	☐	1.000		303996.36		P	0.8
5	☐	1.000		297550.52		P	0.3
6	☐	1.000		305507.91		P	0.5
7	☐	1.000		311526.38		P	0.7
8	☐	1.000		329417.75		P	0.4

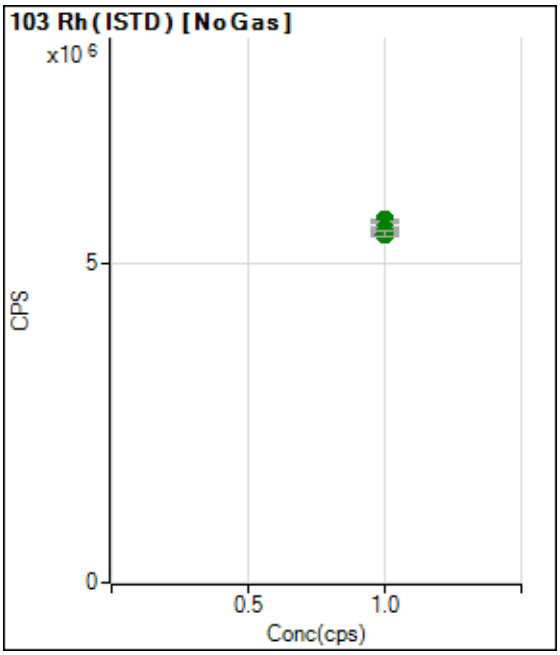


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8983765.84		A	0.2
2	☐	1.000		8971702.30		A	0.5
3	☐	1.000		8785191.12		A	1.3
4	☐	1.000		8707653.41		A	0.3
5	☐	1.000		8725101.95		A	0.9
6	☐	1.000		8946238.68		A	1.9
7	☐	1.000		9010082.64		A	0.4
8	☐	1.000		9322912.57		A	0.7

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

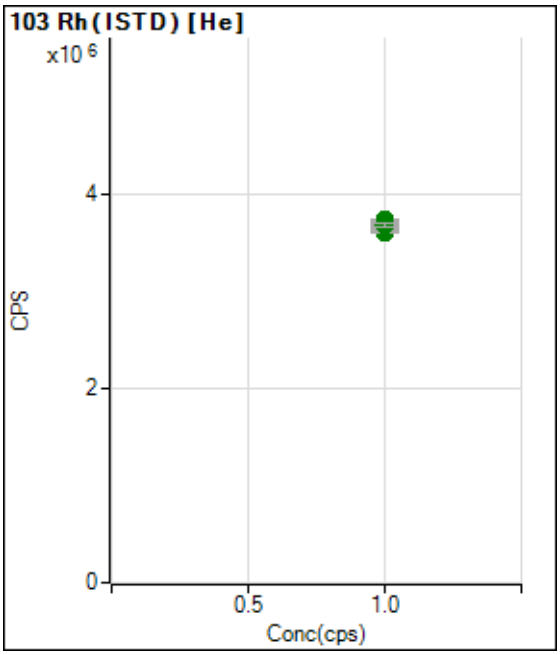


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2729416.66		A	1.0
2	☐	1.000		2704137.67		A	1.3
3	☐	1.000		2617449.11		A	0.3
4	☐	1.000		2665703.00		A	0.2
5	☐	1.000		2640712.06		A	0.1
6	☐	1.000		2714695.97		A	1.4
7	☐	1.000		2754880.31		A	0.5
8	☐	1.000		2909276.62		A	0.9

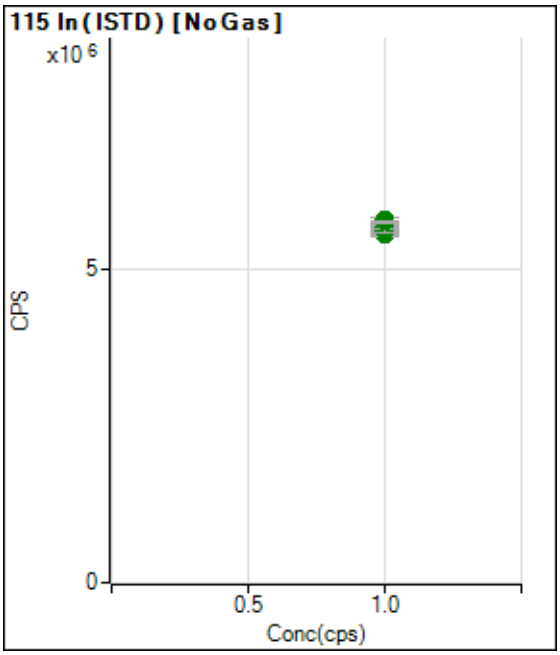


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5695370.13		A	0.7
2	☐	1.000		5651372.97		A	0.7
3	☐	1.000		5553624.08		A	1.1
4	☐	1.000		5501883.81		A	1.4
5	☐	1.000		5461126.79		A	1.2
6	☐	1.000		5457980.41		A	0.8
7	☐	1.000		5498170.13		A	0.5
8	☐	1.000		5475268.11		A	1.7

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

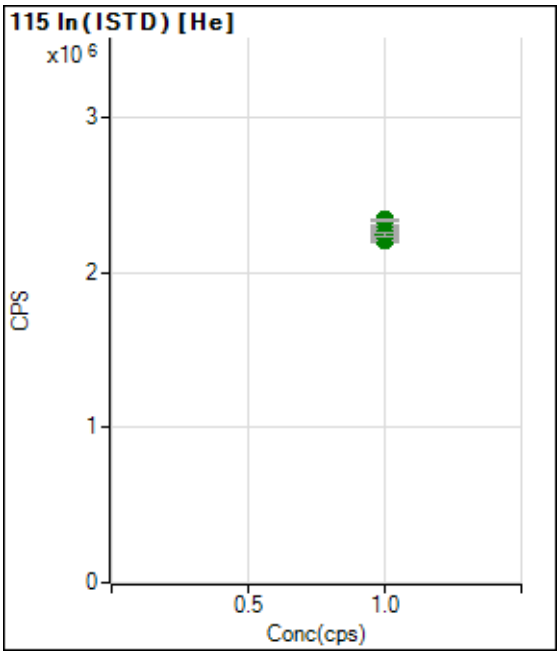


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3727142.72		A	0.8
2	☐	1.000		3734137.37		A	0.3
3	☐	1.000		3620574.42		A	1.2
4	☐	1.000		3707235.05		A	0.6
5	☐	1.000		3610199.49		A	0.2
6	☐	1.000		3716808.77		A	0.3
7	☐	1.000		3697649.63		A	0.4
8	☐	1.000		3686005.61		A	0.8

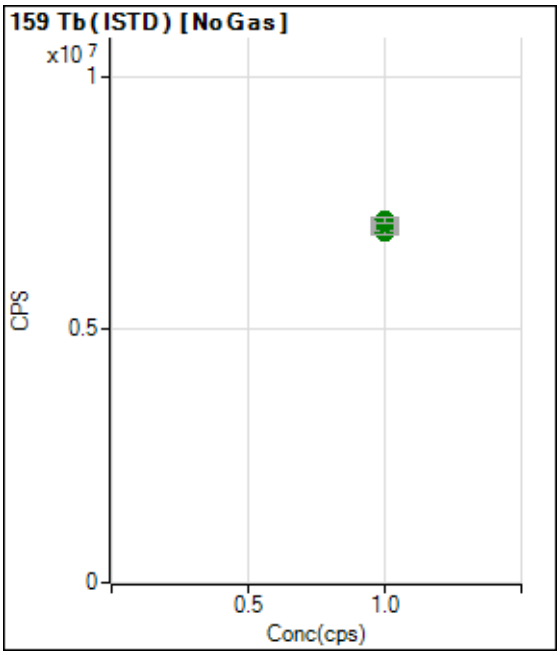


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5772782.23		A	1.5
2	☐	1.000		5713654.93		A	0.9
3	☐	1.000		5685477.72		A	0.5
4	☐	1.000		5531317.02		A	0.8
5	☐	1.000		5527805.26		A	0.8
6	☐	1.000		5667310.88		A	2.5
7	☐	1.000		5597565.15		A	0.9
8	☐	1.000		5737157.04		A	0.9

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

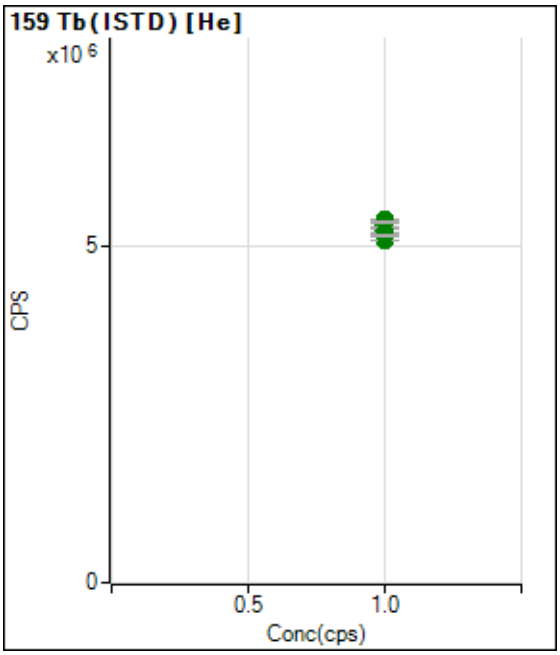


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2286158.99		A	0.6
2	☐	1.000		2278748.19		A	1.2
3	☐	1.000		2217991.70		A	1.9
4	☐	1.000		2284299.24		A	1.5
5	☐	1.000		2208780.19		A	0.4
6	☐	1.000		2275368.48		A	0.5
7	☐	1.000		2242410.61		A	1.4
8	☐	1.000		2339588.47		A	0.4

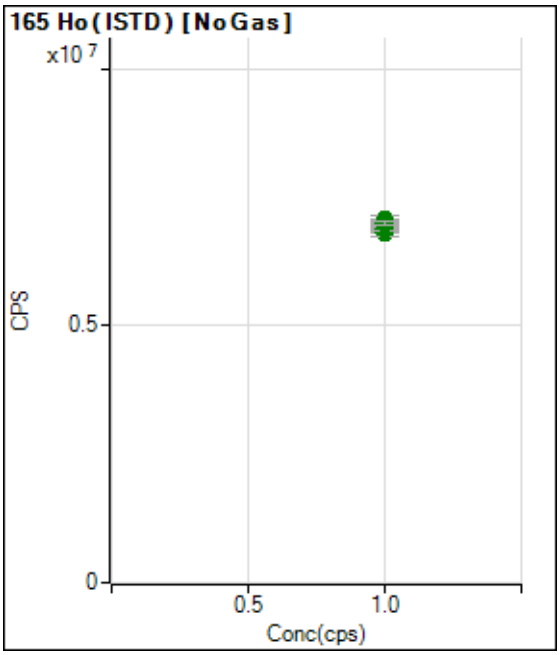


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6960508.65		A	0.2
2	☐	1.000		7098513.29		A	1.4
3	☐	1.000		6965221.56		A	0.5
4	☐	1.000		6957441.70		A	0.9
5	☐	1.000		6920688.92		A	0.7
6	☐	1.000		7106956.63		A	1.2
7	☐	1.000		7154844.27		A	0.6
8	☐	1.000		7173145.66		A	1.3

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

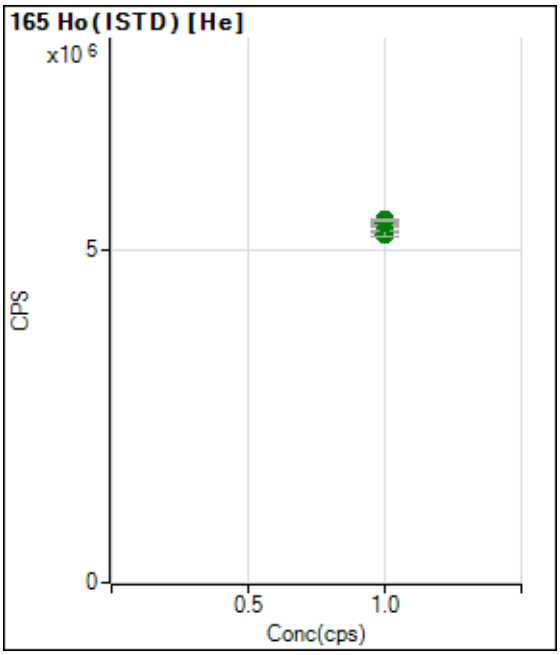


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5232599.06		A	1.2
2	☐	1.000		5182189.06		A	1.2
3	☐	1.000		5086150.97		A	0.4
4	☐	1.000		5178446.21		A	0.4
5	☐	1.000		5165245.89		A	0.4
6	☐	1.000		5325614.09		A	1.5
7	☐	1.000		5393918.57		A	0.7
8	☐	1.000		5373902.11		A	0.5

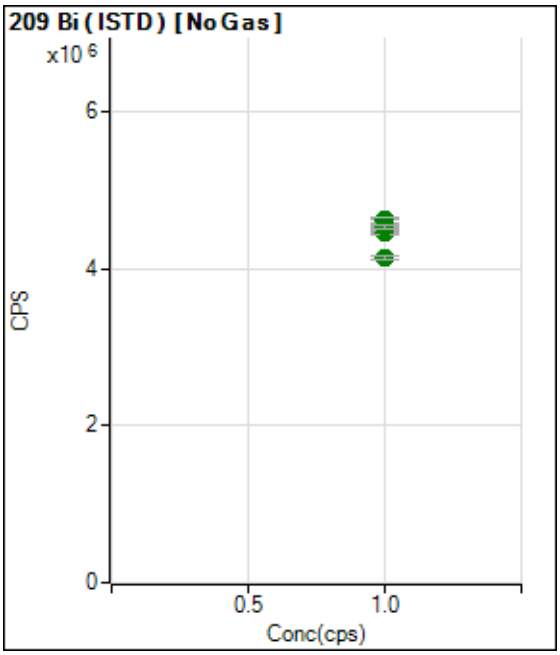


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6870896.08		A	0.2
2	☐	1.000		6879067.75		A	0.9
3	☐	1.000		6831359.27		A	0.8
4	☐	1.000		6813198.65		A	2.1
5	☐	1.000		6894686.56		A	1.1
6	☐	1.000		7053398.85		A	2.0
7	☐	1.000		7035740.17		A	0.8
8	☐	1.000		6982548.09		A	1.3

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

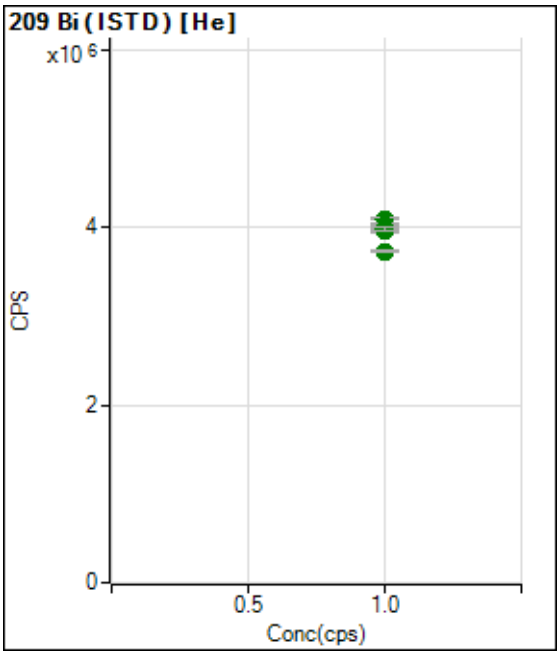


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5344013.36		A	2.0
2	☐	1.000		5282058.60		A	0.8
3	☐	1.000		5233168.32		A	1.3
4	☐	1.000		5390514.30		A	1.6
5	☐	1.000		5243411.38		A	1.2
6	☐	1.000		5397866.27		A	1.5
7	☐	1.000		5414520.96		A	1.0
8	☐	1.000		5451903.60		A	0.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4596642.29		A	1.2
2	☐	1.000		4488412.95		A	1.0
3	☐	1.000		4488940.21		A	1.7
4	☐	1.000		4476196.36		A	1.2
5	☐	1.000		4449494.52		A	0.9
6	☐	1.000		4617828.89		A	1.6
7	☐	1.000		4535413.44		A	1.2
8	☐	1.000		4133027.27		A	1.5

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4049994.31		A	1.7
2	☐	1.000		4027961.36		A	1.1
3	☐	1.000		3966080.39		A	1.5
4	☐	1.000		4085326.16		A	1.3
5	☐	1.000		3962882.27		A	1.3
6	☐	1.000		4036390.18		A	0.4
7	☐	1.000		3985706.09		A	0.7
8	☐	1.000		3728060.43		A	0.5

US EPA Tune Check Report

Reviewed By:jasw
On:7/18/2025 9:13 AM
Inst Id :P7
LB :LB136512

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7071625 MS.b
Acq. Date-Time	2025-07-16 09:44:53
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		5406	54063.62			0.434	5.000
24		153052	1530520.09			1.134	5.000
25		17744	177440.96			0.399	5.000
26		20355	203547.96			0.458	5.000
59		86112	861119.24			0.696	5.000
113		9222	92215.80			0.741	5.000
115		121341	1213410.87			1.040	5.000
206		21622	216223.31			1.357	5.000
207		18948	189477.05			1.800	5.000
208		45224	452236.55			1.825	5.000
220		0	2.50			34.641	

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	5422	5396	5432	5372	5410
24	150660	151980	154874	153367	154378
25	17764	17625	17808	17744	17779
26	20394	20198	20373	20446	20362
59	85758	87130	85737	85752	86182
113	9269	9304	9228	9164	9142
115	120697	120085	122950	120553	122420
206	21518	21981	21875	21289	21449
207	18787	19313	19303	18560	18776
208	44987	45857	46198	44104	44972

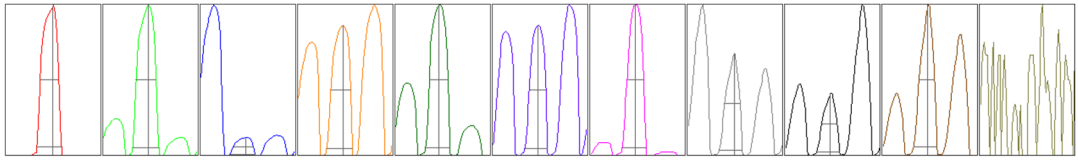
US EPA Tune Check Report

Reviewed By:jasw
On:7/18/2025 9:13 AM
Inst Id :P7
LB :LB136512

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	9562.65	9.00	8.90 - 9.10	
24	257652.52	23.95	23.90 - 24.10	
25	29037.28	24.95	24.90 - 25.10	
26	33350.60	25.95	25.90 - 26.10	
59	150899.25	58.90	58.90 - 59.10	
113	17877.21	112.95	112.90 - 113.10	
115	235488.20	114.95	114.90 - 115.10	
206	46567.20	206.00	205.90 - 206.10	
207	39655.99	206.95	206.90 - 207.10	
208	96922.68	207.95	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.776	0.900	
24	0.64	0.826	0.900	
25	0.64	0.786	0.900	
26	0.64	0.813	0.900	
59	0.60	0.768	0.900	
113	0.52	0.721	0.900	
115	0.51	0.764	0.900	
206	0.49	0.729	0.900	
207	0.49	0.730	0.900	
208	0.49	0.746	0.900	
220				

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

Tune Parameters

Plasma Parameters

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

US EPA Tune Check Report

Reviewed By:jasw
On:7/18/2025 9:13 AM
Inst Id :P7
LB :LB136512

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	8.2 V	Deflect	15.4 V
Extract 2	-145.0 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	190 V		

QP Parameters

Mass Gain	139	Axis Gain	0.9977	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	-1.8 mm	Torch V	0.3 mm

EM

Discriminator	4.7 mV	Analog HV	2319 V	Pulse HV	1152 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		26976	269760.47			0.570	
89		79932	799320.64			0.951	
205		25033	250329.90			1.022	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	27164	27091	26943	26906	26776
89	80977	80088	79980	78855	79760
205	25426	25148	24893	24905	24792

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.87 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.9 V	Deflect	4.0 V

US EPA Tune Check Report

Reviewed By:jasw
On:7/18/2025 9:13 AM
Inst Id :P7
LB :LB136512

Extract 2	-165.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-85 V	Cell Exit	-60 V		

Cell Parameters

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

QP Parameters

Mass Gain	139	Axis Gain	0.9977	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.09		

Hardware Settings

Torch

Torch H	-1.8 mm	Torch V	0.3 mm		

EM

Discriminator	4.7 mV	Analog HV	2319 V	Pulse HV	1152 V

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:55:37	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.03	-0.01	-0.03	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.01	0.00	0.00	N/A	ppb
Barium	135-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Cadmium	106-1	0.41	0.02	-0.43	0.00	N/A	ppb
Cadmium	111-1	0.02	0.00	-0.03	0.00	N/A	ppb
Calcium	43-1	-0.27	-1.08	1.35	0.00	N/A	ppb
Calcium	44-1	-0.38	0.77	-0.38	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	0.03	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.01	-0.01	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.04	0.04	-0.07	0.00	N/A	ppb
Iron	57-2	-0.47	0.75	-0.28	0.00	N/A	ppb
Iron	54-2	-0.29	0.84	-0.55	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:55:37	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	-0.01	0.00	N/A	ppb
Lead	207-1	-0.01	0.00	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.03	-0.10	0.07	0.00	N/A	ppb
Manganese	55-2	0.01	-0.01	-0.01	0.00	N/A	ppb
Molybdenum	94-1	0.00	-0.01	0.02	0.00	N/A	ppb
Molybdenum	95-1	0.01	-0.01	-0.01	0.00	N/A	ppb
Molybdenum	96-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	-0.01	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.01	0.00	-0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.03	0.00	0.00	N/A	ppb
Phosphorus	31-2	-15.46	-13.11	-16.69	-15.08		ppb
Potassium	39-2	-1.58	3.20	-1.63	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.48	0.42	0.06	0.00	N/A	ppb
Selenium	77-2	-0.08	0.16	-0.08	0.00	N/A	ppb
Selenium	78-2	0.39	-0.11	-0.29	0.00	N/A	ppb
Silicon	28-1	-0.14	0.08	0.07	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-0.24	0.57	-0.33	0.00	N/A	ppb
Strontium	86-1	-0.56	0.74	-0.19	0.00	N/A	ppb
Strontium	88-1	0.04	0.00	-0.04	0.00	N/A	ppb
Sulfur	34-1	-175.06	-123.58	-74.04	-124.23		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.02	0.01	-0.02	0.00	N/A	ppb
Titanium	47-1	0.02	-0.02	0.00	0.00	N/A	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:55:37	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.03	-0.10	0.08	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.01	-0.01	0.00	0.00	N/A	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:58:55	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.59	17.32	18.51	17.81	3.50	ppb
Antimony	121-1	1.77	1.86	1.82	1.82	2.36	ppb
Arsenic	75-2	0.99	1.00	1.12	1.03	7.01	ppb
Barium	135-1	9.04	9.03	8.84	8.97	1.25	ppb
Barium	137-1	8.53	8.98	8.85	8.79	2.65	ppb
Beryllium	9-1	1.03	1.06	1.07	1.05	2.00	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.98	1.37	1.05	1.13	18.23	ppb
Cadmium	106-1	0.85	2.06	0.68	1.20	62.75	ppb
Cadmium	111-1	0.93	0.96	0.97	0.95	2.28	ppb
Calcium	43-1	479.64	467.02	476.52	474.40	1.39	ppb
Calcium	44-1	469.62	470.01	473.13	470.92	0.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.91	1.98	2.06	1.98	3.80	ppb
Cobalt	59-2	1.03	1.01	1.05	1.03	2.07	ppb
Copper	63-2	1.99	1.96	1.83	1.93	4.25	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				100		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	48.07	47.14	47.31	47.51	1.03	ppb
Iron	57-2	47.24	49.00	47.52	47.92	1.98	ppb
Iron	54-2	49.35	48.72	49.93	49.34	1.23	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:58:55	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.85	0.84	0.85	0.84	0.82	ppb
Lead	207-1	0.85	0.86	0.87	0.86	1.69	ppb
Lead	208-1	0.83	0.85	0.84	0.84	1.11	ppb
Lithium	6-1				100		%
Magnesium	24-2	454.20	461.67	458.35	458.08	0.82	ppb
Manganese	55-2	1.02	0.98	0.92	0.97	4.85	ppb
Molybdenum	94-1	5.09	5.11	5.31	5.17	2.34	ppb
Molybdenum	95-1	4.62	4.51	4.55	4.56	1.21	ppb
Molybdenum	96-1	4.50	4.62	4.66	4.59	1.83	ppb
Molybdenum	97-1	4.59	4.51	4.59	4.57	1.01	ppb
Molybdenum	98-1	4.56	4.55	4.55	4.55	0.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.16	1.14	1.15	1.15	1.14	ppb
Phosphorus	31-2	15.11	14.59	15.54	15.08	3.15	ppb
Potassium	39-2	461.24	454.51	451.95	455.90	1.05	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	6.06	5.96	6.59	6.20	5.42	ppb
Selenium	77-2	4.37	3.81	5.41	4.53	17.89	ppb
Selenium	78-2	6.34	5.75	4.41	5.50	18.01	ppb
Silicon	28-1	0.93	0.67	1.09	0.90	23.44	ppb
Silver	107-1	0.90	0.90	0.90	0.90	0.50	ppb
Silver	109-1	0.93	0.93	0.87	0.91	3.58	ppb
Sodium	23-2	463.69	461.99	457.65	461.11	0.68	ppb
Strontium	86-1	25.15	22.12	23.13	23.46	6.57	ppb
Strontium	88-1	22.25	23.02	22.62	22.63	1.71	ppb
Sulfur	34-1	81.36	95.21	196.11	124.23	50.42	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.86	0.86	0.85	0.86	0.50	ppb
Thallium	205-1	0.83	0.84	0.86	0.84	1.96	ppb
Tin	118-1	4.38	4.52	4.47	4.46	1.60	ppb
Titanium	47-1	4.40	4.50	4.59	4.50	2.11	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:58:55	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.88	0.86	0.86	0.86	1.45	ppb
Vanadium	51-2	4.63	4.57	4.73	4.64	1.65	ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	5.30	5.50	5.41	5.41	1.85	ppb
Zirconium	90-1	0.88	0.88	0.85	0.87	1.70	ppb
Zirconium	91-1	0.91	0.88	0.83	0.87	4.85	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:05:30	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	868.83	857.43	863.13	863.13	0.66	ppb
Antimony	121-1	43.16	42.85	42.00	42.67	1.41	ppb
Arsenic	75-2	49.29	49.53	49.04	49.29	0.50	ppb
Barium	135-1	209.70	211.91	206.20	209.27	1.38	ppb
Barium	137-1	211.94	209.83	206.22	209.33	1.38	ppb
Beryllium	9-1	48.09	47.74	48.04	47.96	0.40	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	50.09	49.85	48.43	49.46	1.81	ppb
Cadmium	106-1	54.57	51.49	52.44	52.83	2.98	ppb
Cadmium	111-1	46.50	45.34	45.14	45.66	1.61	ppb
Calcium	43-1	4471.12	4518.16	4453.80	4481.03	0.74	ppb
Calcium	44-1	4655.46	4983.47	4880.35	4839.76	3.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44.57	43.83	43.98	44.13	0.88	ppb
Cobalt	59-2	43.67	43.76	43.34	43.59	0.50	ppb
Copper	63-2	492.61	502.43	490.70	495.25	1.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				98		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	2405.59	2417.26	2424.05	2415.63	0.39	ppb
Iron	57-2	2209.21	2203.95	2205.86	2206.34	0.12	ppb
Iron	54-2	2245.13	2236.66	2236.66	2239.48	0.22	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:05:30	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	201.38	207.47	199.75	202.87	2.01	ppb
Lead	207-1	199.44	207.23	199.41	202.03	2.23	ppb
Lead	208-1	223.78	229.51	223.50	225.59	1.50	ppb
Lithium	6-1				100		%
Magnesium	24-2	5080.98	5228.87	5045.35	5118.40	1.90	ppb
Manganese	55-2	431.90	433.79	429.52	431.74	0.50	ppb
Molybdenum	94-1	421.29	419.06	427.06	422.47	0.98	ppb
Molybdenum	95-1	487.00	483.30	482.60	484.30	0.49	ppb
Molybdenum	96-1	492.31	480.05	484.87	485.74	1.27	ppb
Molybdenum	97-1	424.37	423.84	426.13	424.78	0.28	ppb
Molybdenum	98-1	489.64	476.49	491.25	485.79	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	48.90	48.41	48.56	48.63	0.52	ppb
Phosphorus	31-2	1003.77	1029.82	983.56	1005.72	2.31	ppb
Potassium	39-2	2160.05	2153.89	2169.06	2161.00	0.35	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	82-1	51.22	52.49	50.06	51.25	2.37	ppb
Selenium	77-2	51.03	56.46	48.38	51.96	7.92	ppb
Selenium	78-2	51.12	53.97	49.66	51.58	4.25	ppb
Silicon	28-1	62.76	65.39	64.95	64.37	2.19	ppb
Silver	107-1	43.80	44.19	43.62	43.87	0.67	ppb
Silver	109-1	43.47	43.86	42.79	43.37	1.26	ppb
Sodium	23-2	5087.14	5054.23	4997.84	5046.40	0.89	ppb
Strontium	86-1	1104.41	1094.92	1112.12	1103.81	0.78	ppb
Strontium	88-1	1065.70	1062.81	1082.38	1070.30	0.99	ppb
Sulfur	34-1	1209.78	1435.72	1428.98	1358.16	9.46	ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	40.13	41.49	40.56	40.73	1.70	ppb
Thallium	205-1	39.21	40.82	39.36	39.80	2.23	ppb
Tin	118-1	43.11	43.34	42.55	43.00	0.94	ppb
Titanium	47-1	431.12	438.85	431.20	433.73	1.02	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:05:30	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	38.70	40.22	38.84	39.25	2.14	ppb
Vanadium	51-2	42.69	42.77	43.04	42.83	0.42	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	450.06	453.61	449.76	451.14	0.48	ppb
Zirconium	90-1	42.20	42.29	42.72	42.40	0.66	ppb
Zirconium	91-1	43.68	43.71	44.05	43.81	0.47	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:08:38	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2136.00	2100.59	2088.51	2108.37	1.17	ppb
Antimony	121-1	104.25	106.57	105.21	105.35	1.11	ppb
Arsenic	75-2	122.49	120.99	123.52	122.33	1.04	ppb
Barium	135-1	510.53	515.87	511.89	512.76	0.54	ppb
Barium	137-1	504.86	540.63	511.70	519.06	3.66	ppb
Beryllium	9-1	120.29	122.37	122.12	121.59	0.94	ppb
Bismuth	209-1				97		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	120.58	121.86	122.03	121.49	0.65	ppb
Cadmium	106-1	124.51	124.15	121.96	123.54	1.12	ppb
Cadmium	111-1	111.49	112.46	111.22	111.72	0.58	ppb
Calcium	43-1	10787.06	10806.83	10792.03	10795.31	0.10	ppb
Calcium	44-1	11748.29	11802.93	11878.09	11809.77	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	110.11	108.47	109.14	109.24	0.76	ppb
Cobalt	59-2	108.36	107.44	107.69	107.83	0.44	ppb
Copper	63-2	1250.87	1223.69	1207.40	1227.32	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				99		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				100		%
Iron	56-2	5976.31	5888.65	5886.12	5917.03	0.87	ppb
Iron	57-2	5514.85	5397.16	5345.61	5419.21	1.60	ppb
Iron	54-2	5530.40	5422.51	5501.03	5484.64	1.02	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:08:38	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	589.37	599.60	584.23	591.07	1.32	ppb
Lead	207-1	600.18	611.49	597.25	602.97	1.25	ppb
Lead	208-1	590.31	607.72	589.10	595.71	1.75	ppb
Lithium	6-1				98		%
Magnesium	24-2	12606.85	12070.02	12287.64	12321.50	2.19	ppb
Manganese	55-2	1201.40	1209.23	1221.18	1210.60	0.82	ppb
Molybdenum	94-1	1186.12	1190.46	1217.66	1198.08	1.43	ppb
Molybdenum	95-1	1164.92	1201.91	1221.83	1196.22	2.41	ppb
Molybdenum	96-1	1179.26	1200.23	1211.85	1197.11	1.38	ppb
Molybdenum	97-1	1201.18	1197.52	1206.89	1201.86	0.39	ppb
Molybdenum	98-1	1204.47	1194.27	1213.29	1204.01	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	119.32	118.35	119.25	118.98	0.45	ppb
Phosphorus	31-2	2562.44	2489.19	2404.47	2485.37	3.18	ppb
Potassium	39-2	5899.18	5848.17	5819.24	5855.53	0.69	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				99		%
Selenium	82-1	124.86	127.41	128.58	126.95	1.50	ppb
Selenium	77-2	131.75	131.81	118.63	127.40	5.96	ppb
Selenium	78-2	125.41	125.70	130.99	127.37	2.46	ppb
Silicon	28-1	142.21	147.26	146.28	145.25	1.84	ppb
Silver	107-1	106.51	108.05	108.65	107.74	1.02	ppb
Silver	109-1	104.39	107.31	107.39	106.36	1.60	ppb
Sodium	23-2	12407.81	11936.13	12078.23	12140.73	1.99	ppb
Strontium	86-1	2673.12	2755.36	2711.03	2713.17	1.52	ppb
Strontium	88-1	2998.42	3099.19	3002.35	3033.32	1.88	ppb
Sulfur	34-1	2837.60	2888.01	2714.45	2813.35	3.17	ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	98.93	101.76	100.19	100.29	1.41	ppb
Thallium	205-1	97.26	99.85	97.70	98.27	1.41	ppb
Tin	118-1	103.32	104.92	104.68	104.31	0.83	ppb
Titanium	47-1	1056.68	1059.62	1063.67	1059.99	0.33	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:08:38	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	116.71	123.07	119.96	119.91	2.65	ppb
Vanadium	51-2	106.32	105.35	105.65	105.77	0.47	ppb
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	1109.01	1098.15	1081.76	1096.31	1.25	ppb
Zirconium	90-1	104.31	105.93	105.97	105.40	0.90	ppb
Zirconium	91-1	107.35	109.51	109.78	108.88	1.23	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:11:38	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4270.75	4319.03	4250.63	4280.14	0.82	ppb
Antimony	121-1	212.62	214.91	213.95	213.83	0.54	ppb
Arsenic	75-2	247.81	248.85	246.70	247.79	0.43	ppb
Barium	135-1	1207.00	1228.60	1195.67	1210.42	1.38	ppb
Barium	137-1	1214.48	1242.22	1211.63	1222.78	1.38	ppb
Beryllium	9-1	246.51	247.60	247.03	247.05	0.22	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	249.31	253.95	250.04	251.10	0.99	ppb
Cadmium	106-1	248.19	250.88	251.22	250.10	0.66	ppb
Cadmium	111-1	223.00	225.39	224.83	224.41	0.56	ppb
Calcium	43-1	21601.74	22065.17	22206.13	21957.68	1.44	ppb
Calcium	44-1	23782.54	24061.96	24052.05	23965.52	0.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	221.31	218.93	221.46	220.57	0.64	ppb
Cobalt	59-2	218.82	217.49	219.67	218.66	0.50	ppb
Copper	63-2	2527.21	2503.20	2502.29	2510.90	0.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	56-2	12155.16	12168.73	12017.97	12113.95	0.69	ppb
Iron	57-2	11102.01	10999.53	11062.64	11054.73	0.47	ppb
Iron	54-2	12658.35	12350.68	12452.14	12487.06	1.26	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:11:38	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1215.44	1243.23	1210.57	1223.08	1.44	ppb
Lead	207-1	1230.99	1227.34	1241.10	1233.14	0.58	ppb
Lead	208-1	1217.47	1231.41	1228.02	1225.63	0.59	ppb
Lithium	6-1				96		%
Magnesium	24-2	25178.50	24740.76	24537.13	24818.79	1.32	ppb
Manganese	55-2	2488.05	2433.17	2506.68	2475.97	1.54	ppb
Molybdenum	94-1	2394.22	2412.43	2416.48	2407.71	0.49	ppb
Molybdenum	95-1	2395.67	2428.00	2473.35	2432.34	1.60	ppb
Molybdenum	96-1	2418.67	2366.05	2436.25	2406.99	1.52	ppb
Molybdenum	97-1	2401.39	2383.26	2428.49	2404.38	0.95	ppb
Molybdenum	98-1	2407.54	2417.08	2449.76	2424.80	0.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	243.90	241.00	245.15	243.35	0.87	ppb
Phosphorus	31-2	5013.47	4915.11	4984.52	4971.03	1.02	ppb
Potassium	39-2	11768.55	11561.38	11793.69	11707.87	1.09	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	82-1	249.85	251.97	254.06	251.96	0.83	ppb
Selenium	77-2	251.05	254.86	262.26	256.06	2.23	ppb
Selenium	78-2	250.83	253.08	245.85	249.92	1.48	ppb
Silicon	28-1	275.65	284.90	285.63	282.06	1.97	ppb
Silver	107-1	249.60	253.51	247.69	250.27	1.19	ppb
Silver	109-1	248.04	252.42	247.81	249.42	1.04	ppb
Sodium	23-2	24770.76	24925.55	24792.55	24829.62	0.34	ppb
Strontium	86-1	5454.80	5471.99	5541.10	5489.29	0.83	ppb
Strontium	88-1	6025.24	6048.05	6121.45	6064.91	0.83	ppb
Sulfur	34-1	5145.85	5275.93	5151.71	5191.16	1.42	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	203.23	208.32	204.79	205.45	1.27	ppb
Thallium	205-1	249.77	250.06	244.42	248.09	1.28	ppb
Tin	118-1	211.12	214.19	212.06	212.46	0.74	ppb
Titanium	47-1	2419.25	2498.13	2474.80	2464.06	1.64	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:11:38	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	242.70	250.28	246.03	246.34	1.54	ppb
Vanadium	51-2	216.69	215.85	217.72	216.76	0.43	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	2522.57	2527.95	2561.58	2537.37	0.83	ppb
Zirconium	90-1	246.65	239.73	246.72	244.37	1.64	ppb
Zirconium	91-1	217.08	218.68	222.15	219.30	1.18	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:14:32	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10141.67	10144.40	10068.83	10118.30	0.42	ppb
Antimony	121-1	482.57	500.18	501.38	494.71	2.13	ppb
Arsenic	75-2	503.52	504.38	492.33	500.08	1.34	ppb
Barium	135-1	2493.82	2488.54	2495.81	2492.72	0.15	ppb
Barium	137-1	2470.97	2437.22	2499.03	2469.07	1.25	ppb
Beryllium	9-1	488.22	499.70	500.97	496.30	1.42	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	496.05	484.88	505.70	495.54	2.10	ppb
Cadmium	106-1	485.86	499.24	513.40	499.50	2.76	ppb
Cadmium	111-1	443.32	445.75	454.76	447.94	1.35	ppb
Calcium	43-1	43095.98	43959.97	43685.95	43580.63	1.01	ppb
Calcium	44-1	47777.51	48217.88	47403.48	47799.62	0.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	501.02	502.35	493.14	498.83	1.00	ppb
Cobalt	59-2	514.13	499.69	506.45	506.76	1.43	ppb
Copper	63-2	5012.90	5022.13	4918.89	4984.64	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				103		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	24822.15	24466.61	24659.45	24649.40	0.72	ppb
Iron	57-2	25081.99	24706.62	24749.41	24846.00	0.83	ppb
Iron	54-2	25030.77	24720.74	25016.60	24922.70	0.70	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:14:32	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2486.75	2476.37	2402.02	2455.05	1.88	ppb
Lead	207-1	2493.58	2455.48	2420.13	2456.39	1.50	ppb
Lead	208-1	2473.10	2463.16	2431.48	2455.92	0.89	ppb
Lithium	6-1				96		%
Magnesium	24-2	50764.16	51386.39	50825.08	50991.88	0.67	ppb
Manganese	55-2	5020.13	5041.66	5045.86	5035.88	0.27	ppb
Molybdenum	94-1	4932.69	4903.73	4996.07	4944.16	0.96	ppb
Molybdenum	95-1	4897.24	4898.31	4806.13	4867.22	1.09	ppb
Molybdenum	96-1	4921.40	4857.72	4904.76	4894.62	0.67	ppb
Molybdenum	97-1	4907.48	4846.50	4901.28	4885.09	0.69	ppb
Molybdenum	98-1	4885.67	4979.42	4870.55	4911.88	1.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	507.71	500.09	501.88	503.23	0.79	ppb
Phosphorus	31-2	10068.81	10036.11	10002.80	10035.91	0.33	ppb
Potassium	39-2	23769.21	23734.35	23525.40	23676.32	0.56	ppb
Rhodium	103-1				96		%
Rhodium	103-2				100		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	506.10	501.01	506.44	504.52	0.60	ppb
Selenium	77-2	508.34	514.01	501.68	508.01	1.21	ppb
Selenium	78-2	501.94	516.80	485.97	501.57	3.07	ppb
Silicon	28-1	549.03	556.20	553.32	552.85	0.65	ppb
Silver	107-1	488.86	485.95	511.29	495.37	2.80	ppb
Silver	109-1	487.71	485.19	495.93	489.61	1.15	ppb
Sodium	23-2	49525.07	50745.43	50221.25	50163.92	1.22	ppb
Strontium	86-1	11008.27	10967.71	11151.75	11042.58	0.88	ppb
Strontium	88-1	12458.74	12328.76	12154.05	12313.85	1.24	ppb
Sulfur	34-1	9667.06	9848.42	9838.99	9784.82	1.04	ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	494.40	504.68	481.08	493.39	2.40	ppb
Thallium	205-1	480.07	492.53	481.00	484.53	1.43	ppb
Tin	118-1	487.93	496.88	497.18	494.00	1.06	ppb
Titanium	47-1	4970.73	4951.40	4978.54	4966.89	0.28	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:14:32	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	490.39	487.24	491.67	489.77	0.47	ppb
Vanadium	51-2	492.70	502.02	496.10	496.94	0.95	ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	5004.88	5140.65	5020.67	5055.40	1.47	ppb
Zirconium	90-1	490.01	493.16	488.98	490.72	0.44	ppb
Zirconium	91-1	441.93	441.75	446.32	443.33	0.58	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:17:17	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19863.15	19590.68	19592.69	19682.18	0.80	ppb
Antimony	121-1	1024.79	1009.16	1009.59	1014.51	0.88	ppb
Arsenic	75-2	1006.71	1003.33	992.61	1000.88	0.74	ppb
Barium	135-1	4981.85	5096.87	5010.09	5029.60	1.19	ppb
Barium	137-1	4986.39	5039.09	5087.17	5037.55	1.00	ppb
Beryllium	9-1	991.02	1013.77	1004.57	1003.12	1.14	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1006.69	996.78	1003.79	1002.42	0.51	ppb
Cadmium	106-1	990.04	1010.78	999.98	1000.27	1.04	ppb
Cadmium	111-1	1022.15	1052.76	1028.00	1034.30	1.57	ppb
Calcium	43-1	98578.60	96816.28	99758.64	98384.51	1.51	ppb
Calcium	44-1	98767.54	97111.08	98198.71	98025.78	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1023.15	996.38	1011.09	1010.21	1.33	ppb
Cobalt	59-2	1016.79	1008.58	995.40	1006.92	1.07	ppb
Copper	63-2	10034.63	10063.39	9926.07	10008.03	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				102		%
Holmium	165-2				101		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	49450.86	48806.96	48562.21	48940.01	0.94	ppb
Iron	57-2	49514.52	48786.74	47465.11	48588.79	2.14	ppb
Iron	54-2	50131.22	49026.79	49251.22	49469.74	1.18	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:17:17	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5119.69	5036.25	4951.47	5035.80	1.67	ppb
Lead	207-1	5020.41	5117.74	4955.36	5031.17	1.62	ppb
Lead	208-1	5062.12	5083.55	4953.37	5033.02	1.39	ppb
Lithium	6-1				93		%
Magnesium	24-2	100272.73	99663.31	98469.11	99468.38	0.92	ppb
Manganese	55-2	10177.76	9918.28	9893.18	9996.41	1.58	ppb
Molybdenum	94-1	9927.65	10177.10	10079.32	10061.36	1.25	ppb
Molybdenum	95-1	10075.16	10220.73	9976.55	10090.81	1.22	ppb
Molybdenum	96-1	10073.11	10106.95	10069.73	10083.26	0.20	ppb
Molybdenum	97-1	10068.15	10156.65	10048.62	10091.14	0.57	ppb
Molybdenum	98-1	10058.16	10097.28	10052.52	10069.32	0.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1007.95	1002.45	992.22	1000.87	0.80	ppb
Phosphorus	31-2	20192.52	20135.93	19644.05	19990.83	1.51	ppb
Potassium	39-2	47690.80	47569.01	47948.60	47736.14	0.41	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				101		%
Selenium	82-1	990.15	999.20	1001.47	996.94	0.60	ppb
Selenium	77-2	967.32	1010.51	1004.43	994.09	2.35	ppb
Selenium	78-2	1001.30	1005.96	989.30	998.86	0.86	ppb
Silicon	28-1	962.65	936.19	988.36	962.40	2.71	ppb
Silver	107-1	1006.81	1010.42	996.91	1004.71	0.70	ppb
Silver	109-1	1006.53	1015.99	1001.48	1008.00	0.73	ppb
Sodium	23-2	99251.97	98245.45	98716.77	98738.07	0.51	ppb
Strontium	86-1	25748.84	25884.60	26299.58	25977.68	1.10	ppb
Strontium	88-1	24886.60	25217.58	25375.20	25159.79	0.99	ppb
Sulfur	34-1	20303.69	19515.58	20188.89	20002.72	2.13	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	1030.44	1015.51	1008.04	1018.00	1.12	ppb
Thallium	205-1	1013.37	1023.05	999.77	1012.06	1.16	ppb
Tin	118-1	1009.12	1012.80	1024.06	1015.33	0.77	ppb
Titanium	47-1	10152.57	9930.21	10075.04	10052.61	1.12	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:17:17	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1019.43	1018.47	983.72	1007.21	2.02	ppb
Vanadium	51-2	1020.94	1006.43	1010.45	1012.60	0.74	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	9962.64	10024.72	9966.48	9984.61	0.35	ppb
Zirconium	90-1	1003.17	1008.86	1014.61	1008.88	0.57	ppb
Zirconium	91-1	1031.60	1040.36	1043.03	1038.33	0.58	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:20:05	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99071.26	100563.22	100662.19	100098.89	0.89	ppb
Antimony	121-1	0.69	0.75	0.75	0.73	4.16	ppb
Arsenic	75-2	1.10	1.24	1.11	1.15	6.46	ppb
Barium	135-1	2.56	2.53	2.46	2.52	1.94	ppb
Barium	137-1	2.47	2.47	2.57	2.51	2.28	ppb
Beryllium	9-1	0.19	0.17	0.12	0.16	21.52	ppb
Bismuth	209-1				90		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.62	0.60	0.55	0.59	6.21	ppb
Cadmium	106-1	1.77	2.87	2.30	2.31	23.85	ppb
Cadmium	111-1	0.46	0.54	0.49	0.49	8.20	ppb
Calcium	43-1	504346.35	497397.09	501751.51	501164.98	0.70	ppb
Calcium	44-1	505444.04	504666.75	491945.70	500685.49	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.38	3.30	3.20	3.29	2.62	ppb
Cobalt	59-2	1.60	1.64	1.60	1.61	1.27	ppb
Copper	63-2	1.53	1.51	1.46	1.50	2.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	56-2	249145.60	250865.72	250815.27	250275.53	0.39	ppb
Iron	57-2	252234.51	249292.37	249653.96	250393.61	0.64	ppb
Iron	54-2	251830.27	249360.65	249217.58	250136.17	0.59	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:20:05	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.30	1.36	1.28	1.31	3.12	ppb
Lead	207-1	1.31	1.27	1.26	1.28	1.98	ppb
Lead	208-1	1.28	1.28	1.27	1.28	0.58	ppb
Lithium	6-1				90		%
Magnesium	24-2	501459.95	507300.39	491298.21	500019.52	1.62	ppb
Manganese	55-2	5.09	5.11	5.22	5.14	1.28	ppb
Molybdenum	94-1	3.09	3.04	3.05	3.06	0.70	ppb
Molybdenum	95-1	1.89	1.98	1.82	1.90	4.17	ppb
Molybdenum	96-1	3.08	3.31	3.20	3.20	3.54	ppb
Molybdenum	97-1	1.87	1.94	1.98	1.93	2.71	ppb
Molybdenum	98-1	1.84	1.91	1.85	1.87	2.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.00	2.94	2.92	2.95	1.38	ppb
Phosphorus	31-2	-25.31	-14.84	-17.54	-19.23		ppb
Potassium	39-2	251980.65	251389.38	248544.22	250638.09	0.73	ppb
Rhodium	103-1				96		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				107		%
Selenium	82-1	0.89	0.93	-0.45	0.46	172.56	ppb
Selenium	77-2	1.31	1.29	0.83	1.14	23.80	ppb
Selenium	78-2	2.99	2.37	1.66	2.34	28.46	ppb
Silicon	28-1	3.49	3.61	3.58	3.56	1.65	ppb
Silver	107-1	0.09	0.10	0.11	0.10	5.59	ppb
Silver	109-1	0.10	0.09	0.09	0.09	4.69	ppb
Sodium	23-2	499129.17	503037.42	498592.62	500253.07	0.48	ppb
Strontium	86-1	307.42	312.28	316.80	312.16	1.50	ppb
Strontium	88-1	298.50	302.78	304.80	302.02	1.06	ppb
Sulfur	34-1	-1032.01	-1309.49	-1452.78	-1264.76		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.61	0.63	0.62	0.62	1.18	ppb
Thallium	205-1	0.65	0.64	0.65	0.65	1.61	ppb
Tin	118-1	0.16	0.19	0.16	0.17	9.71	ppb
Titanium	47-1	0.88	0.85	0.95	0.89	5.96	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:20:05	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.06	0.06	0.06	4.18	ppb
Vanadium	51-2	0.34	0.35	0.33	0.34	3.38	ppb
Yttrium	89-1				104		%
Yttrium	89-2				107		%
Zinc	66-2	5.02	4.77	4.52	4.77	5.20	ppb
Zirconium	90-1	0.81	0.81	0.85	0.82	2.74	ppb
Zirconium	91-1	0.76	0.87	0.80	0.81	6.35	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:30:49	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	515.79	519.25	515.66	516.90	0.39	ppb
Antimony	121-1	187.49	189.99	192.20	189.89	1.24	ppb
Arsenic	75-2	212.13	212.53	212.16	212.27	0.10	ppb
Barium	135-1	96.55	97.00	99.25	97.60	1.48	ppb
Barium	137-1	95.04	97.76	98.61	97.14	1.92	ppb
Beryllium	9-1	94.95	95.25	94.47	94.89	0.41	ppb
Bismuth	209-1				97		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	107.71	106.38	107.29	107.13	0.64	ppb
Cadmium	106-1	105.58	105.05	104.48	105.04	0.52	ppb
Cadmium	111-1	102.70	103.47	105.43	103.87	1.35	ppb
Calcium	43-1	1903.73	1886.75	1924.65	1905.04	1.00	ppb
Calcium	44-1	1953.82	1937.32	1959.90	1950.35	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	99.06	99.89	97.86	98.94	1.03	ppb
Cobalt	59-2	99.03	99.96	98.60	99.20	0.70	ppb
Copper	63-2	95.37	96.10	94.22	95.23	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				102		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				114		%
Iron	56-2	2126.36	2083.66	2100.55	2103.52	1.02	ppb
Iron	57-2	1883.63	1915.04	1903.59	1900.75	0.84	ppb
Iron	54-2	1986.45	1991.52	1971.71	1983.23	0.52	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:30:49	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	191.26	185.86	187.33	188.15	1.48	ppb
Lead	207-1	188.47	186.85	188.52	187.95	0.51	ppb
Lead	208-1	210.59	209.08	209.49	209.72	0.37	ppb
Lithium	6-1				89		%
Magnesium	24-2	1139.69	1149.43	1132.14	1140.42	0.76	ppb
Manganese	55-2	97.93	99.03	97.33	98.09	0.88	ppb
Molybdenum	94-1	0.22	0.21	0.23	0.22	4.03	ppb
Molybdenum	95-1	0.17	0.19	0.17	0.18	6.83	ppb
Molybdenum	96-1	0.17	0.19	0.20	0.19	8.11	ppb
Molybdenum	97-1	0.15	0.17	0.19	0.17	12.04	ppb
Molybdenum	98-1	0.18	0.18	0.17	0.18	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	111.66	112.99	111.73	112.12	0.67	ppb
Phosphorus	31-2	-23.69	-21.85	-25.12	-23.55		ppb
Potassium	39-2	1860.60	1865.67	1837.72	1854.67	0.80	ppb
Rhodium	103-1				107		%
Rhodium	103-2				110		%
Scandium	45-1				106		%
Scandium	45-2				112		%
Selenium	82-1	202.82	204.03	207.14	204.66	1.09	ppb
Selenium	77-2	211.53	230.52	208.08	216.71	5.58	ppb
Selenium	78-2	219.44	225.72	221.64	222.27	1.43	ppb
Silicon	28-1	2.55	2.67	2.81	2.68	4.90	ppb
Silver	107-1	53.67	54.34	55.18	54.39	1.39	ppb
Silver	109-1	54.35	55.17	55.59	55.04	1.15	ppb
Sodium	23-2	2142.64	2238.73	2141.49	2174.29	2.57	ppb
Strontium	86-1	2.79	1.02	2.79	2.20	46.50	ppb
Strontium	88-1	1.60	1.42	1.57	1.53	6.38	ppb
Sulfur	34-1	-896.15	-939.60	-918.32	-918.02		ppb
Terbium	159-1				103		%
Terbium	159-2				107		%
Thallium	203-1	175.00	171.63	174.32	173.65	1.03	ppb
Thallium	205-1	214.79	212.89	211.62	213.10	0.75	ppb
Tin	118-1	0.80	0.79	0.91	0.84	8.08	ppb
Titanium	47-1	6.40	5.96	6.38	6.25	3.98	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:30:49	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	22.10	ppb
Vanadium	51-2	92.82	94.97	92.69	93.49	1.37	ppb
Yttrium	89-1				108		%
Yttrium	89-2				113		%
Zinc	66-2	191.72	193.28	191.96	192.32	0.44	ppb
Zirconium	90-1	0.04	0.04	0.05	0.04	12.88	ppb
Zirconium	91-1	0.09	0.07	0.08	0.08	7.71	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:40:28	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.91	18.52	18.29	18.57	1.70	ppb
Antimony	121-1	2.05	2.07	2.06	2.06	0.45	ppb
Arsenic	75-2	1.15	0.90	1.14	1.06	13.10	ppb
Barium	135-1	9.63	9.54	9.55	9.57	0.49	ppb
Barium	137-1	9.53	9.37	9.65	9.52	1.48	ppb
Beryllium	9-1	1.11	1.20	1.24	1.18	5.70	ppb
Bismuth	209-1				97		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.93	1.13	0.96	1.01	10.75	ppb
Cadmium	106-1	1.26	1.27	0.80	1.11	24.27	ppb
Cadmium	111-1	1.07	0.99	0.96	1.01	5.80	ppb
Calcium	43-1	482.93	482.26	465.11	476.77	2.12	ppb
Calcium	44-1	505.44	502.91	506.86	505.07	0.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.93	1.96	2.00	1.96	1.59	ppb
Cobalt	59-2	0.97	0.97	1.05	1.00	4.20	ppb
Copper	63-2	1.96	1.96	2.02	1.98	1.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				112		%
Iron	56-2	50.25	49.20	50.27	49.91	1.23	ppb
Iron	57-2	55.09	54.67	55.63	55.13	0.87	ppb
Iron	54-2	50.70	52.43	50.46	51.20	2.10	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:40:28	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.78	0.79	0.85	0.81	4.39	ppb
Lead	207-1	0.76	0.81	0.78	0.78	3.53	ppb
Lead	208-1	0.79	0.80	0.82	0.80	1.82	ppb
Lithium	6-1				90		%
Magnesium	24-2	452.70	446.11	457.47	452.09	1.26	ppb
Manganese	55-2	1.03	1.00	1.00	1.01	1.24	ppb
Molybdenum	94-1	5.47	5.68	5.66	5.60	2.01	ppb
Molybdenum	95-1	4.69	4.67	4.66	4.67	0.28	ppb
Molybdenum	96-1	4.72	4.64	4.70	4.69	0.88	ppb
Molybdenum	97-1	4.80	4.70	4.77	4.76	0.97	ppb
Molybdenum	98-1	4.69	4.84	4.83	4.78	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.96	1.00	1.03	0.99	3.38	ppb
Phosphorus	31-2	249.67	230.22	253.38	244.42	5.09	ppb
Potassium	39-2	484.00	474.70	483.75	480.82	1.10	ppb
Rhodium	103-1				107		%
Rhodium	103-2				110		%
Scandium	45-1				108		%
Scandium	45-2				110		%
Selenium	82-1	4.96	4.79	5.21	4.99	4.31	ppb
Selenium	77-2	5.99	5.68	6.06	5.91	3.44	ppb
Selenium	78-2	8.87	7.59	8.54	8.33	7.95	ppb
Silicon	28-1	2.39	1.52	1.97	1.96	21.97	ppb
Silver	107-1	1.08	1.11	1.13	1.11	2.41	ppb
Silver	109-1	1.15	1.09	1.09	1.11	2.95	ppb
Sodium	23-2	463.84	456.22	463.05	461.04	0.91	ppb
Strontium	86-1	25.20	26.74	26.66	26.20	3.31	ppb
Strontium	88-1	23.26	23.44	23.67	23.45	0.88	ppb
Sulfur	34-1	-363.36	-454.37	-452.47	-423.40		ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	0.94	0.98	0.93	0.95	2.79	ppb
Thallium	205-1	0.88	0.93	0.94	0.91	3.63	ppb
Tin	118-1	5.00	4.97	4.97	4.98	0.28	ppb
Titanium	47-1	4.83	4.81	4.86	4.83	0.54	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:40:28	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.86	0.89	0.86	2.96	ppb
Vanadium	51-2	4.80	4.87	4.83	4.83	0.79	ppb
Yttrium	89-1				108		%
Yttrium	89-2				110		%
Zinc	66-2	4.79	4.69	4.62	4.70	1.85	ppb
Zirconium	90-1	0.98	1.01	0.99	0.99	1.79	ppb
Zirconium	91-1	1.01	1.04	1.01	1.02	1.65	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:47:12	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	-0.07	-0.12	-0.06		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	2.96	ppb
Arsenic	75-2	0.00	0.02	0.00	0.00	308.86	ppb
Barium	135-1	-0.02	-0.01	0.00	-0.01		ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				97		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	0.02	0.11	0.03	256.57	ppb
Cadmium	106-1	0.75	0.39	1.85	1.00	75.99	ppb
Cadmium	111-1	0.05	0.02	0.11	0.06	72.68	ppb
Calcium	43-1	2.08	2.70	0.09	1.62	84.12	ppb
Calcium	44-1	29.18	33.98	30.64	31.26	7.88	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.02	0.03	0.02	68.83	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	180.59	ppb
Copper	63-2	-0.01	-0.04	0.00	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				110		%
Iron	56-2	0.70	0.37	0.56	0.54	30.46	ppb
Iron	57-2	2.22	0.69	2.38	1.76	52.84	ppb
Iron	54-2	2.00	1.81	1.42	1.75	16.93	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:47:12	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.03	0.02	46.07	ppb
Lead	207-1	0.02	0.03	0.03	0.03	19.17	ppb
Lead	208-1	0.02	0.02	0.02	0.02	6.75	ppb
Lithium	6-1				91		%
Magnesium	24-2	-0.37	-0.22	-0.05	-0.22		ppb
Manganese	55-2	0.00	0.00	0.00	0.00	651.56	ppb
Molybdenum	94-1	0.01	0.01	0.01	0.01	38.36	ppb
Molybdenum	95-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	96-1	0.01	0.01	-0.01	0.01	148.17	ppb
Molybdenum	97-1	0.01	0.03	-0.01	0.01	185.90	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	18.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.04	-0.01	-0.02		ppb
Phosphorus	31-2	-25.38	-26.04	-13.38	-21.60		ppb
Potassium	39-2	7.17	2.95	8.39	6.17	46.29	ppb
Rhodium	103-1				105		%
Rhodium	103-2				108		%
Scandium	45-1				105		%
Scandium	45-2				109		%
Selenium	82-1	0.50	0.15	0.12	0.26	82.28	ppb
Selenium	77-2	-0.08	-0.08	-0.08	-0.08		ppb
Selenium	78-2	0.48	3.27	1.98	1.91	73.15	ppb
Silicon	28-1	1.10	1.45	1.82	1.46	24.86	ppb
Silver	107-1	0.00	0.00	0.00	0.00	17.53	ppb
Silver	109-1	0.00	0.01	0.01	0.01	29.24	ppb
Sodium	23-2	9.26	8.30	8.27	8.61	6.53	ppb
Strontium	86-1	0.04	0.58	0.99	0.54	88.72	ppb
Strontium	88-1	-0.11	-0.15	-0.14	-0.13		ppb
Sulfur	34-1	-557.23	-339.44	-558.30	-484.99		ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.01	0.01	34.83	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	24.63	ppb
Tin	118-1	0.02	0.02	0.00	0.02	68.87	ppb
Titanium	47-1	-0.03	0.01	0.00	-0.01		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:47:12	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	98.29	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				107		%
Yttrium	89-2				108		%
Zinc	66-2	-0.09	-0.33	-0.40	-0.27		ppb
Zirconium	90-1	0.00	-0.01	0.00	0.00	1669.16	ppb
Zirconium	91-1	-0.01	0.00	0.00	0.00		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:21:35	DataFile Name :	022ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90715.02	90942.23	89096.06	90251.10	1.12	ppb
Antimony	121-1	0.97	1.08	1.04	1.03	5.53	ppb
Arsenic	75-2	0.38	0.36	0.36	0.37	2.10	ppb
Barium	135-1	1.22	1.18	1.17	1.19	2.15	ppb
Barium	137-1	1.27	1.18	1.25	1.23	3.67	ppb
Beryllium	9-1	0.24	0.29	0.20	0.24	18.93	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.52	6.11	6.94	7.19	17.04	ppb
Cadmium	106-1	-1.61	-1.46	-0.70	-1.26		ppb
Cadmium	111-1	0.08	0.21	0.16	0.15	41.65	ppb
Calcium	43-1	97326.38	99936.03	101420.07	99560.83	2.08	ppb
Calcium	44-1	97377.63	100821.86	101721.59	99973.69	2.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.35	19.53	19.11	19.33	1.11	ppb
Cobalt	59-2	1.21	1.14	1.20	1.18	3.24	ppb
Copper	63-2	7.83	7.59	7.54	7.65	2.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				108		%
Indium	115-1				109		%
Indium	115-2				108		%
Iron	56-2	102047.22	102622.87	101648.69	102106.26	0.48	ppb
Iron	57-2	100905.45	102327.88	101286.00	101506.44	0.73	ppb
Iron	54-2	101934.58	103663.06	100996.28	102197.97	1.32	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:21:35	DataFile Name :	022ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.00	3.92	4.01	3.97	1.29	ppb
Lead	207-1	3.46	3.56	3.56	3.53	1.73	ppb
Lead	208-1	3.65	3.66	3.74	3.68	1.35	ppb
Lithium	6-1				83		%
Magnesium	24-2	91168.18	94479.10	91492.81	92380.03	1.98	ppb
Manganese	55-2	7.20	7.30	7.22	7.24	0.69	ppb
Molybdenum	94-1	1681.37	1711.72	1703.85	1698.98	0.93	ppb
Molybdenum	95-1	2074.50	2068.84	2066.47	2069.94	0.20	ppb
Molybdenum	96-1	2001.75	2001.72	1977.23	1993.57	0.71	ppb
Molybdenum	97-1	2070.83	2043.35	2027.75	2047.31	1.07	ppb
Molybdenum	98-1	2039.53	2104.90	2042.02	2062.15	1.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.59	4.46	4.43	4.49	1.86	ppb
Phosphorus	31-2	99811.29	99113.37	98228.60	99051.09	0.80	ppb
Potassium	39-2	99181.51	99627.34	97125.01	98644.62	1.35	ppb
Rhodium	103-1				105		%
Rhodium	103-2				109		%
Scandium	45-1				105		%
Scandium	45-2				108		%
Selenium	82-1	0.00	-0.16	0.50	0.11	299.53	ppb
Selenium	77-2	0.14	-0.08	-0.08	-0.01		ppb
Selenium	78-2	1.13	1.51	2.14	1.59	31.84	ppb
Silicon	28-1	0.17	0.16	0.26	0.20	28.85	ppb
Silver	107-1	0.04	0.04	0.04	0.04	10.24	ppb
Silver	109-1	0.03	0.04	0.04	0.04	26.62	ppb
Sodium	23-2	99758.52	101161.00	101446.59	100788.70	0.90	ppb
Strontium	86-1	813.74	808.95	804.51	809.07	0.57	ppb
Strontium	88-1	773.18	767.74	754.56	765.16	1.25	ppb
Sulfur	34-1	115327.35	117248.18	121784.71	118120.08	2.81	ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	0.05	0.06	0.06	0.05	7.58	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	7.95	ppb
Tin	118-1	1.22	1.49	1.28	1.33	10.63	ppb
Titanium	47-1	2051.10	2062.89	2107.31	2073.77	1.43	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:21:35	DataFile Name :	022ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	3.59	ppb
Vanadium	51-2	0.17	0.16	0.17	0.17	4.13	ppb
Yttrium	89-1				109		%
Yttrium	89-2				110		%
Zinc	66-2	11.34	10.98	10.72	11.01	2.84	ppb
Zirconium	90-1	0.01	0.02	0.01	0.02	33.02	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	20.00	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:28:38	DataFile Name :	024ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89804.17	88294.43	87746.27	88614.96	1.20	ppb
Antimony	121-1	18.34	18.29	18.01	18.21	0.98	ppb
Arsenic	75-2	20.28	19.79	20.28	20.12	1.40	ppb
Barium	135-1	18.75	17.98	17.91	18.21	2.54	ppb
Barium	137-1	18.26	17.96	18.20	18.14	0.88	ppb
Beryllium	9-1	16.76	16.59	16.92	16.76	0.98	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	25.30	24.08	23.80	24.40	3.26	ppb
Cadmium	106-1	16.08	15.33	14.44	15.28	5.35	ppb
Cadmium	111-1	17.84	17.55	17.20	17.53	1.82	ppb
Calcium	43-1	93699.67	99283.17	100041.17	97674.67	3.55	ppb
Calcium	44-1	96249.74	97688.63	99730.65	97889.68	1.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.12	42.77	41.68	42.19	1.30	ppb
Cobalt	59-2	19.61	19.55	19.51	19.55	0.26	ppb
Copper	63-2	25.56	25.63	25.80	25.66	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				116		%
Holmium	165-2				108		%
Indium	115-1				112		%
Indium	115-2				108		%
Iron	56-2	99401.96	97697.85	97174.75	98091.52	1.19	ppb
Iron	57-2	98570.40	98331.21	98414.01	98438.54	0.12	ppb
Iron	54-2	99156.36	100798.45	98344.29	99433.03	1.26	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:28:38	DataFile Name :	024ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	26.69	27.12	26.76	26.86	0.86	ppb
Lead	207-1	25.16	27.13	26.99	26.43	4.17	ppb
Lead	208-1	25.64	26.90	26.45	26.33	2.43	ppb
Lithium	6-1				81		%
Magnesium	24-2	91410.95	91031.47	89500.98	90647.80	1.12	ppb
Manganese	55-2	24.99	25.04	24.73	24.92	0.66	ppb
Molybdenum	94-1	1612.76	1552.02	1613.06	1592.61	2.21	ppb
Molybdenum	95-1	1991.41	1940.84	1958.08	1963.44	1.31	ppb
Molybdenum	96-1	1935.52	1878.78	1892.36	1902.22	1.56	ppb
Molybdenum	97-1	1971.70	1937.39	1950.81	1953.30	0.88	ppb
Molybdenum	98-1	1973.91	1966.85	1984.12	1974.96	0.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.10	27.17	26.96	27.08	0.40	ppb
Phosphorus	31-2	96849.70	96724.36	95806.77	96460.28	0.59	ppb
Potassium	39-2	97540.05	93810.43	94821.70	95390.73	2.02	ppb
Rhodium	103-1				109		%
Rhodium	103-2				109		%
Scandium	45-1				102		%
Scandium	45-2				107		%
Selenium	82-1	18.04	17.29	17.95	17.76	2.30	ppb
Selenium	77-2	17.75	19.86	18.79	18.80	5.59	ppb
Selenium	78-2	18.99	20.89	17.89	19.26	7.89	ppb
Silicon	28-1	0.23	0.14	0.46	0.28	59.12	ppb
Silver	107-1	17.21	16.31	16.09	16.54	3.58	ppb
Silver	109-1	16.81	16.76	16.65	16.74	0.47	ppb
Sodium	23-2	99176.36	98921.78	99336.54	99144.89	0.21	ppb
Strontium	86-1	764.17	751.56	768.23	761.32	1.14	ppb
Strontium	88-1	742.17	730.20	736.82	736.40	0.81	ppb
Sulfur	34-1	113237.77	117409.34	120710.45	117119.19	3.20	ppb
Terbium	159-1				118		%
Terbium	159-2				109		%
Thallium	203-1	17.39	18.31	18.48	18.06	3.25	ppb
Thallium	205-1	17.46	18.20	18.03	17.89	2.16	ppb
Tin	118-1	0.62	0.62	0.58	0.61	3.60	ppb
Titanium	47-1	2021.92	2008.80	2064.16	2031.62	1.42	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:28:38	DataFile Name :	024ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.03	0.03	0.03	8.37	ppb
Vanadium	51-2	18.14	18.24	17.76	18.05	1.39	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	28.58	29.13	29.17	28.96	1.14	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	15.32	ppb
Zirconium	91-1	0.04	0.03	0.00	0.02	114.13	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:51:56	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54296.34	50941.77	51041.33	52093.15	3.66	ppb
Antimony	121-1	506.16	514.29	504.22	508.22	1.05	ppb
Arsenic	75-2	534.65	500.37	496.71	510.57	4.10	ppb
Barium	135-1	2578.49	2608.91	2569.28	2585.56	0.80	ppb
Barium	137-1	2549.75	2541.01	2519.28	2536.68	0.62	ppb
Beryllium	9-1	539.17	534.37	542.29	538.61	0.74	ppb
Bismuth	209-1				99		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	525.67	528.18	529.37	527.74	0.36	ppb
Cadmium	106-1	536.73	533.76	529.37	533.29	0.69	ppb
Cadmium	111-1	476.78	486.96	481.06	481.60	1.06	ppb
Calcium	43-1	255168.61	263436.33	261169.61	259924.85	1.64	ppb
Calcium	44-1	252687.03	258829.45	260681.68	257399.39	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	554.39	518.23	523.38	532.00	3.68	ppb
Cobalt	59-2	567.88	513.63	521.66	534.39	5.48	ppb
Copper	63-2	5673.33	5221.26	5227.55	5374.05	4.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	140842.92	133703.15	132610.49	135718.85	3.29	ppb
Iron	57-2	140536.52	130802.73	131630.55	134323.26	4.02	ppb
Iron	54-2	142048.73	132559.22	132184.99	135597.65	4.12	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:51:56	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2560.98	2639.48	2602.71	2601.06	1.51	ppb
Lead	207-1	2598.97	2615.93	2655.89	2623.59	1.11	ppb
Lead	208-1	2584.28	2618.91	2628.06	2610.42	0.88	ppb
Lithium	6-1				80		%
Magnesium	24-2	277223.02	265551.38	264945.60	269240.00	2.57	ppb
Manganese	55-2	5505.97	5186.33	5088.23	5260.18	4.15	ppb
Molybdenum	94-1	5033.25	5042.71	5003.00	5026.32	0.41	ppb
Molybdenum	95-1	4948.28	4982.01	5002.12	4977.47	0.55	ppb
Molybdenum	96-1	4917.15	4974.08	5027.73	4972.99	1.11	ppb
Molybdenum	97-1	4932.34	5077.17	5049.21	5019.57	1.53	ppb
Molybdenum	98-1	4927.47	5038.40	5143.13	5036.33	2.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	550.33	509.08	511.66	523.69	4.41	ppb
Phosphorus	31-2	10536.89	9905.10	9894.44	10112.14	3.64	ppb
Potassium	39-2	136462.95	127736.25	129772.14	131323.78	3.48	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				106		%
Selenium	82-1	474.03	480.21	483.61	479.28	1.01	ppb
Selenium	77-2	524.00	484.17	468.18	492.12	5.84	ppb
Selenium	78-2	506.17	480.54	482.36	489.69	2.92	ppb
Silicon	28-1	445.87	452.89	464.06	454.28	2.02	ppb
Silver	107-1	501.80	505.55	493.12	500.16	1.28	ppb
Silver	109-1	499.09	490.03	493.18	494.10	0.93	ppb
Sodium	23-2	270229.22	264094.75	261065.46	265129.81	1.76	ppb
Strontium	86-1	11316.20	11440.84	11618.62	11458.55	1.33	ppb
Strontium	88-1	12706.46	13061.34	13038.94	12935.58	1.54	ppb
Sulfur	34-1	8256.99	8183.04	8519.09	8319.71	2.12	ppb
Terbium	159-1				111		%
Terbium	159-2				105		%
Thallium	203-1	532.48	539.67	525.69	532.61	1.31	ppb
Thallium	205-1	517.72	517.83	513.69	516.41	0.46	ppb
Tin	118-1	519.54	525.80	513.21	519.52	1.21	ppb
Titanium	47-1	5015.14	5073.23	5178.97	5089.11	1.63	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:51:56	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	511.65	512.30	527.45	517.13	1.73	ppb
Vanadium	51-2	553.59	518.68	524.70	532.32	3.51	ppb
Yttrium	89-1				111		%
Yttrium	89-2				106		%
Zinc	66-2	5492.75	5121.98	5176.48	5263.73	3.80	ppb
Zirconium	90-1	507.61	504.80	510.78	507.73	0.59	ppb
Zirconium	91-1	516.88	535.69	519.28	523.95	1.95	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:59:30	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.14	0.16	0.43	0.15	192.15	ppb
Antimony	121-1	0.04	0.04	0.04	0.04	7.92	ppb
Arsenic	75-2	0.00	0.00	0.01	0.00	602.07	ppb
Barium	135-1	0.00	0.00	0.01	0.00	670.14	ppb
Barium	137-1	-0.01	-0.01	0.00	-0.01		ppb
Beryllium	9-1	0.01	0.01	0.00	0.01	50.83	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.01	0.01	0.00	309.35	ppb
Cadmium	106-1	-0.94	-0.79	-1.27	-1.00		ppb
Cadmium	111-1	-0.04	-0.04	-0.07	-0.05		ppb
Calcium	43-1	1.36	0.29	-0.92	0.24	466.63	ppb
Calcium	44-1	47.06	41.86	37.86	42.26	10.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.02	0.01	0.01	72.29	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	242.49	ppb
Copper	63-2	0.14	0.13	0.16	0.14	13.46	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				110		%
Holmium	165-2				108		%
Indium	115-1				110		%
Indium	115-2				112		%
Iron	56-2	0.73	0.72	0.91	0.79	13.69	ppb
Iron	57-2	-0.08	0.49	-0.01	0.13	234.81	ppb
Iron	54-2	2.05	2.12	2.43	2.20	9.08	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:59:30	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.04	0.04	0.04	12.72	ppb
Lead	207-1	0.04	0.03	0.04	0.03	8.83	ppb
Lead	208-1	0.04	0.04	0.04	0.04	5.87	ppb
Lithium	6-1				83		%
Magnesium	24-2	0.56	0.57	0.32	0.48	28.71	ppb
Manganese	55-2	0.00	0.00	0.03	0.01	118.23	ppb
Molybdenum	94-1	0.01	0.03	0.02	0.02	44.47	ppb
Molybdenum	95-1	0.03	0.03	0.04	0.03	17.50	ppb
Molybdenum	96-1	0.04	0.04	0.05	0.04	10.62	ppb
Molybdenum	97-1	0.05	0.03	0.06	0.05	35.45	ppb
Molybdenum	98-1	0.05	0.03	0.04	0.04	29.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.00	0.02	0.01	111.01	ppb
Phosphorus	31-2	-25.05	-36.24	-23.15	-28.15		ppb
Potassium	39-2	7.78	11.19	15.89	11.62	35.06	ppb
Rhodium	103-1				110		%
Rhodium	103-2				114		%
Scandium	45-1				105		%
Scandium	45-2				108		%
Selenium	82-1	0.34	-0.73	-0.14	-0.18		ppb
Selenium	77-2	-0.08	-0.08	-0.08	-0.08		ppb
Selenium	78-2	0.54	0.29	1.45	0.76	80.25	ppb
Silicon	28-1	-0.09	-0.09	-0.14	-0.10		ppb
Silver	107-1	0.02	0.01	0.01	0.01	16.91	ppb
Silver	109-1	0.02	0.01	0.01	0.01	18.67	ppb
Sodium	23-2	33.31	34.50	35.13	34.31	2.70	ppb
Strontium	86-1	0.57	0.65	0.82	0.68	19.17	ppb
Strontium	88-1	-0.14	-0.13	-0.06	-0.11		ppb
Sulfur	34-1	-1803.15	-1723.89	-1822.86	-1783.30		ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.08	0.09	0.07	0.08	12.01	ppb
Thallium	205-1	0.08	0.08	0.07	0.08	6.47	ppb
Tin	118-1	-0.02	-0.04	-0.01	-0.02		ppb
Titanium	47-1	0.01	-0.01	-0.01	0.00		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:59:30	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	27.69	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	646.93	ppb
Yttrium	89-1				112		%
Yttrium	89-2				111		%
Zinc	66-2	-0.38	-0.32	-0.25	-0.32		ppb
Zirconium	90-1	0.00	0.01	0.02	0.01	94.91	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	58.62	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:02:49	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.87	17.56	18.27	17.90	1.99	ppb
Antimony	121-1	2.06	2.05	2.05	2.05	0.38	ppb
Arsenic	75-2	1.15	1.06	1.35	1.19	12.25	ppb
Barium	135-1	9.38	9.34	9.53	9.42	1.09	ppb
Barium	137-1	9.34	9.27	9.36	9.32	0.51	ppb
Beryllium	9-1	1.14	1.20	1.16	1.17	2.35	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.74	1.15	0.82	0.90	23.68	ppb
Cadmium	106-1	0.40	1.42	1.68	1.17	57.82	ppb
Cadmium	111-1	0.95	0.93	0.96	0.95	1.56	ppb
Calcium	43-1	480.25	478.73	474.82	477.93	0.59	ppb
Calcium	44-1	514.24	515.61	505.56	511.80	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.91	1.90	1.97	1.93	2.08	ppb
Cobalt	59-2	1.04	0.99	1.02	1.02	2.16	ppb
Copper	63-2	2.06	2.13	2.05	2.08	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				111		%
Holmium	165-2				108		%
Indium	115-1				113		%
Indium	115-2				112		%
Iron	56-2	49.80	50.01	49.63	49.81	0.39	ppb
Iron	57-2	55.86	51.80	51.11	52.92	4.85	ppb
Iron	54-2	53.70	52.29	54.67	53.55	2.23	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:02:49	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.82	0.77	0.84	0.81	4.31	ppb
Lead	207-1	0.76	0.73	0.84	0.78	7.42	ppb
Lead	208-1	0.78	0.76	0.82	0.79	4.06	ppb
Lithium	6-1				85		%
Magnesium	24-2	443.13	451.19	450.35	448.22	0.99	ppb
Manganese	55-2	1.08	1.02	1.04	1.05	2.89	ppb
Molybdenum	94-1	5.61	5.68	5.55	5.61	1.11	ppb
Molybdenum	95-1	4.55	4.55	4.59	4.57	0.51	ppb
Molybdenum	96-1	4.79	4.78	4.65	4.74	1.61	ppb
Molybdenum	97-1	4.80	4.74	4.45	4.66	3.98	ppb
Molybdenum	98-1	4.73	4.74	4.59	4.69	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	0.98	1.06	1.00	5.34	ppb
Phosphorus	31-2	235.61	216.51	233.15	228.43	4.55	ppb
Potassium	39-2	471.71	470.13	477.57	473.13	0.83	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				105		%
Scandium	45-2				111		%
Selenium	82-1	5.24	4.66	4.51	4.81	8.04	ppb
Selenium	77-2	4.77	5.17	6.48	5.47	16.38	ppb
Selenium	78-2	7.19	6.25	4.76	6.07	20.18	ppb
Silicon	28-1	0.20	-0.05	0.17	0.11	124.99	ppb
Silver	107-1	1.04	1.08	1.06	1.06	1.80	ppb
Silver	109-1	1.02	1.05	1.09	1.05	3.45	ppb
Sodium	23-2	473.41	472.69	474.38	473.49	0.18	ppb
Strontium	86-1	24.92	24.58	23.91	24.47	2.10	ppb
Strontium	88-1	23.55	23.84	22.92	23.44	2.02	ppb
Sulfur	34-1	-1337.48	-1376.63	-1326.44	-1346.85		ppb
Terbium	159-1				112		%
Terbium	159-2				110		%
Thallium	203-1	0.98	1.05	1.06	1.03	4.24	ppb
Thallium	205-1	0.97	1.00	1.00	0.99	1.69	ppb
Tin	118-1	4.72	4.71	5.25	4.89	6.32	ppb
Titanium	47-1	4.77	4.76	4.72	4.75	0.60	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:02:49	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.88	0.89	0.87	2.18	ppb
Vanadium	51-2	4.66	4.87	4.77	4.77	2.15	ppb
Yttrium	89-1				113		%
Yttrium	89-2				112		%
Zinc	66-2	5.05	4.81	4.82	4.89	2.84	ppb
Zirconium	90-1	0.99	1.00	0.99	0.99	0.93	ppb
Zirconium	91-1	1.00	0.98	0.92	0.97	4.52	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DLX5	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:06:06	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	140.54	142.96	141.20	141.57	0.88	ppb
Antimony	121-1	0.36	0.38	0.34	0.36	4.48	ppb
Arsenic	75-2	1.76	1.95	2.25	1.99	12.36	ppb
Barium	135-1	41.93	41.34	40.84	41.37	1.32	ppb
Barium	137-1	40.93	40.83	40.91	40.89	0.13	ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	12.96	ppb
Bismuth	209-1				114		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.28	0.15	0.21	30.85	ppb
Cadmium	106-1	1.83	1.18	1.34	1.45	23.44	ppb
Cadmium	111-1	0.15	0.11	0.12	0.13	18.62	ppb
Calcium	43-1	8431.86	8312.40	8526.56	8423.61	1.27	ppb
Calcium	44-1	9344.73	9348.75	9759.50	9484.33	2.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.30	6.32	6.44	6.36	1.22	ppb
Cobalt	59-2	0.90	0.93	0.92	0.92	1.48	ppb
Copper	63-2	6.91	7.09	7.05	7.01	1.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				122		%
Indium	115-1				122		%
Indium	115-2				124		%
Iron	56-2	307890.31	304527.54	315537.06	309318.30	1.82	ppb
Iron	57-2	304553.18	303785.43	305045.25	304461.29	0.21	ppb
Iron	54-2	309028.85	311579.98	307589.85	309399.56	0.65	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DLX5	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:06:06	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.03	3.22	3.13	3.13	3.01	ppb
Lead	207-1	3.03	3.07	3.09	3.07	1.07	ppb
Lead	208-1	2.99	3.04	3.14	3.06	2.40	ppb
Lithium	6-1				90		%
Magnesium	24-2	1127.73	1117.22	1129.90	1124.95	0.60	ppb
Manganese	55-2	11397.76	11510.85	11597.51	11502.04	0.87	ppb
Molybdenum	94-1	2.79	2.85	2.81	2.82	1.26	ppb
Molybdenum	95-1	2.64	2.63	2.63	2.63	0.18	ppb
Molybdenum	96-1	4.22	4.21	4.18	4.20	0.47	ppb
Molybdenum	97-1	2.60	2.72	2.64	2.66	2.33	ppb
Molybdenum	98-1	2.54	2.60	2.54	2.56	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.44	1.52	1.54	1.50	3.61	ppb
Phosphorus	31-2	523.11	515.56	525.75	521.47	1.01	ppb
Potassium	39-2	52063.67	51595.60	53105.11	52254.79	1.48	ppb
Rhodium	103-1				120		%
Rhodium	103-2				125		%
Scandium	45-1				117		%
Scandium	45-2				123		%
Selenium	82-1	1.13	2.47	2.59	2.06	39.13	ppb
Selenium	77-2	6.84	6.17	5.61	6.21	9.95	ppb
Selenium	78-2	5.71	4.51	4.85	5.02	12.32	ppb
Silicon	28-1	61.03	66.92	69.23	65.73	6.43	ppb
Silver	107-1	0.04	0.04	0.04	0.04	5.62	ppb
Silver	109-1	0.04	0.04	0.04	0.04	4.13	ppb
Sodium	23-2	7343.26	7287.89	7638.05	7423.07	2.54	ppb
Strontium	86-1	581.45	602.00	601.72	595.06	1.98	ppb
Strontium	88-1	587.90	590.40	589.64	589.31	0.22	ppb
Sulfur	34-1	-1369.94	-1347.35	-1269.77	-1329.02		ppb
Terbium	159-1				122		%
Terbium	159-2				122		%
Thallium	203-1	0.05	0.05	0.05	0.05	3.28	ppb
Thallium	205-1	0.04	0.04	0.05	0.04	7.10	ppb
Tin	118-1	1.10	1.13	1.06	1.09	3.52	ppb
Titanium	47-1	5.05	5.52	5.45	5.34	4.69	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DLX5	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:06:06	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.03	0.02	0.03	5.29	ppb
Vanadium	51-2	0.69	0.75	0.80	0.74	7.65	ppb
Yttrium	89-1				123		%
Yttrium	89-2				125		%
Zinc	66-2	83.91	83.60	83.72	83.74	0.19	ppb
Zirconium	90-1	0.31	0.31	0.33	0.32	2.37	ppb
Zirconium	91-1	0.33	0.34	0.32	0.33	3.62	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01	Instrumnet Name :	P7
Client Sample ID :	293	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:09:18	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	685.58	686.11	683.70	685.13	0.18	ppb
Antimony	121-1	3.46	3.48	3.45	3.46	0.45	ppb
Arsenic	75-2	30.41	30.33	29.35	30.03	1.96	ppb
Barium	135-1	21.04	21.45	20.96	21.15	1.25	ppb
Barium	137-1	20.73	20.96	20.93	20.87	0.59	ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	18.77	ppb
Bismuth	209-1				93		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	198.97	199.12	201.99	200.03	0.85	ppb
Cadmium	106-1	0.44	0.28	0.85	0.53	55.80	ppb
Cadmium	111-1	6.26	6.01	5.78	6.01	4.01	ppb
Calcium	43-1	1215.66	1178.88	1224.05	1206.20	1.99	ppb
Calcium	44-1	1873.25	1884.68	1922.20	1893.38	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.90	6.05	6.07	6.01	1.55	ppb
Cobalt	59-2	0.56	0.59	0.52	0.55	6.27	ppb
Copper	63-2	174.84	176.51	175.36	175.57	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	1053.78	1080.30	1050.13	1061.41	1.55	ppb
Iron	57-2	950.80	965.07	952.14	956.01	0.82	ppb
Iron	54-2	970.67	967.28	964.32	967.42	0.33	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01	Instrumnet Name :	P7
Client Sample ID :	293	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:09:18	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.39	2.53	2.46	2.46	3.00	ppb
Lead	207-1	2.45	2.47	2.57	2.50	2.70	ppb
Lead	208-1	2.40	2.48	2.53	2.47	2.84	ppb
Lithium	6-1				78		%
Magnesium	24-2	636.68	635.64	638.52	636.95	0.23	ppb
Manganese	55-2	689.41	698.80	701.34	696.51	0.90	ppb
Molybdenum	94-1	41275.24	41562.54	40769.74	41202.51	0.97	ppb
Molybdenum	95-1	49779.45	50949.60	49927.01	50218.69	1.27	ppb
Molybdenum	96-1	49733.25	49623.07	48933.93	49430.08	0.88	ppb
Molybdenum	97-1	51329.00	50844.73	50619.84	50931.19	0.71	ppb
Molybdenum	98-1	50250.95	50121.89	50148.42	50173.75	0.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.51	3.25	3.40	3.39	3.83	ppb
Phosphorus	31-2	3526.60	3553.88	3541.51	3540.66	0.39	ppb
Potassium	39-2	667984.44	676352.38	677254.08	673863.63	0.76	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				104		%
Selenium	82-1	29.59	34.31	35.90	33.27	9.86	ppb
Selenium	77-2	30.26	35.00	32.78	32.68	7.26	ppb
Selenium	78-2	38.17	38.41	39.25	38.61	1.47	ppb
Silicon	28-1	531.92	574.81	640.94	582.56	9.43	ppb
Silver	107-1	0.10	0.09	0.11	0.10	8.52	ppb
Silver	109-1	0.12	0.13	0.13	0.13	1.88	ppb
Sodium	23-2	629710.75	642401.92	628707.32	633606.66	1.20	ppb
Strontium	86-1	260.19	253.52	254.28	256.00	1.43	ppb
Strontium	88-1	244.52	247.09	246.63	246.08	0.56	ppb
Sulfur	34-1	5151.59	4382.90	4381.74	4638.74	9.57	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.20	0.17	0.17	0.18	9.79	ppb
Thallium	205-1	0.19	0.19	0.18	0.18	4.08	ppb
Tin	118-1	5.17	5.40	5.29	5.29	2.25	ppb
Titanium	47-1	9.94	9.22	9.76	9.64	3.91	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01	Instrumnet Name :	P7
Client Sample ID :	293	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:09:18	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	1.63	ppb
Vanadium	51-2	2.87	2.83	2.79	2.83	1.54	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	482.88	482.27	476.72	480.62	0.71	ppb
Zirconium	90-1	0.11	0.13	0.14	0.13	10.43	ppb
Zirconium	91-1	0.13	0.14	0.14	0.14	2.98	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3326DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:12:32	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	143.99	143.56	141.88	143.14	0.78	ppb
Antimony	121-1	0.82	0.83	0.79	0.81	2.40	ppb
Arsenic	75-2	5.41	5.01	4.79	5.07	6.28	ppb
Barium	135-1	15.13	15.49	14.54	15.05	3.17	ppb
Barium	137-1	15.25	15.10	14.94	15.10	1.05	ppb
Beryllium	9-1	0.07	0.07	0.06	0.07	6.08	ppb
Bismuth	209-1				112		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.27	0.45	0.31	0.34	27.63	ppb
Cadmium	106-1	1.22	1.19	0.13	0.85	72.95	ppb
Cadmium	111-1	0.21	0.22	0.12	0.18	30.87	ppb
Calcium	43-1	9239.24	8983.15	9083.45	9101.95	1.42	ppb
Calcium	44-1	10329.73	10017.93	10060.29	10135.98	1.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.44	2.47	2.48	2.46	0.67	ppb
Cobalt	59-2	0.58	0.59	0.60	0.59	2.32	ppb
Copper	63-2	6.28	6.29	6.23	6.27	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				115		%
Indium	115-1				120		%
Indium	115-2				121		%
Iron	56-2	2113.88	2072.25	2096.46	2094.20	1.00	ppb
Iron	57-2	1915.06	1918.16	1921.75	1918.32	0.17	ppb
Iron	54-2	1900.70	1897.48	1913.93	1904.04	0.46	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3326DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:12:32	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.40	7.37	7.20	7.32	1.53	ppb
Lead	207-1	7.13	7.23	7.25	7.21	0.90	ppb
Lead	208-1	7.34	7.27	7.30	7.30	0.47	ppb
Lithium	6-1				89		%
Magnesium	24-2	2252.89	2223.74	2260.58	2245.74	0.87	ppb
Manganese	55-2	96.07	95.50	95.80	95.79	0.30	ppb
Molybdenum	94-1	19.46	18.76	19.09	19.10	1.84	ppb
Molybdenum	95-1	22.52	22.08	22.51	22.37	1.13	ppb
Molybdenum	96-1	22.62	21.45	22.64	22.24	3.06	ppb
Molybdenum	97-1	23.41	22.63	23.19	23.08	1.73	ppb
Molybdenum	98-1	22.68	22.52	22.54	22.58	0.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.94	2.00	2.06	2.00	2.94	ppb
Phosphorus	31-2	505.03	519.95	521.06	515.35	1.74	ppb
Potassium	39-2	3282.97	3201.75	3226.09	3236.93	1.29	ppb
Rhodium	103-1				120		%
Rhodium	103-2				120		%
Scandium	45-1				116		%
Scandium	45-2				119		%
Selenium	82-1	4.61	4.38	4.89	4.63	5.55	ppb
Selenium	77-2	3.75	6.04	5.56	5.12	23.54	ppb
Selenium	78-2	5.88	5.06	5.19	5.37	8.17	ppb
Silicon	28-1	557.31	525.72	544.34	542.46	2.93	ppb
Silver	107-1	0.03	0.04	0.04	0.04	10.37	ppb
Silver	109-1	0.04	0.03	0.04	0.04	11.60	ppb
Sodium	23-2	33126.05	33428.70	33527.31	33360.69	0.63	ppb
Strontium	86-1	700.01	672.46	708.90	693.79	2.74	ppb
Strontium	88-1	690.95	667.93	693.06	683.98	2.04	ppb
Sulfur	34-1	-1983.63	-2225.94	-1961.68	-2057.08		ppb
Terbium	159-1				119		%
Terbium	159-2				115		%
Thallium	203-1	0.02	0.03	0.02	0.03	4.80	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	8.43	ppb
Tin	118-1	1.08	1.05	1.06	1.06	1.41	ppb
Titanium	47-1	5.71	5.65	5.73	5.70	0.67	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3326DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:12:32	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.10	0.10	0.10	0.10	3.51	ppb
Vanadium	51-2	2.42	2.47	2.44	2.44	0.95	ppb
Yttrium	89-1				125		%
Yttrium	89-2				121		%
Zinc	66-2	44.34	45.05	44.70	44.70	0.80	ppb
Zirconium	90-1	0.21	0.20	0.21	0.21	1.58	ppb
Zirconium	91-1	0.22	0.21	0.23	0.22	5.78	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	3326DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:15:47	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	142.67	149.75	145.92	146.11	2.42	ppb
Antimony	121-1	0.75	0.81	0.77	0.78	3.83	ppb
Arsenic	75-2	4.01	4.08	3.62	3.90	6.30	ppb
Barium	135-1	14.56	15.51	14.85	14.98	3.25	ppb
Barium	137-1	14.10	15.29	14.71	14.70	4.04	ppb
Beryllium	9-1	0.09	0.04	0.04	0.06	43.92	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.29	0.23	0.25	0.26	11.90	ppb
Cadmium	106-1	-0.03	-0.25	1.31	0.34	245.96	ppb
Cadmium	111-1	0.12	0.07	0.19	0.13	45.25	ppb
Calcium	43-1	8306.66	8719.39	8652.92	8559.65	2.59	ppb
Calcium	44-1	9467.96	10048.79	9515.48	9677.41	3.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.62	1.74	1.66	1.67	3.70	ppb
Cobalt	59-2	0.56	0.55	0.59	0.57	4.17	ppb
Copper	63-2	5.96	6.29	6.26	6.17	2.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				109		%
Indium	115-1				117		%
Indium	115-2				113		%
Iron	56-2	2063.36	2212.61	2118.20	2131.39	3.54	ppb
Iron	57-2	1908.35	1998.48	1935.41	1947.41	2.37	ppb
Iron	54-2	1871.31	1963.77	1926.75	1920.61	2.42	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	3326DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:15:47	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.18	7.82	7.23	7.41	4.77	ppb
Lead	207-1	6.81	7.52	6.83	7.05	5.70	ppb
Lead	208-1	6.85	7.52	7.09	7.16	4.76	ppb
Lithium	6-1				86		%
Magnesium	24-2	2198.61	2316.00	2245.77	2253.46	2.62	ppb
Manganese	55-2	92.92	98.71	94.79	95.47	3.10	ppb
Molybdenum	94-1	4.46	4.74	4.68	4.63	3.17	ppb
Molybdenum	95-1	5.01	5.30	5.01	5.11	3.36	ppb
Molybdenum	96-1	4.89	5.22	4.86	4.99	4.04	ppb
Molybdenum	97-1	4.99	5.32	5.07	5.13	3.35	ppb
Molybdenum	98-1	4.98	5.43	4.96	5.12	5.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.49	1.54	1.44	1.49	3.52	ppb
Phosphorus	31-2	537.18	563.12	532.71	544.34	3.02	ppb
Potassium	39-2	2865.38	3025.79	2946.60	2945.92	2.72	ppb
Rhodium	103-1				117		%
Rhodium	103-2				114		%
Scandium	45-1				115		%
Scandium	45-2				113		%
Selenium	82-1	2.95	3.27	3.30	3.17	6.06	ppb
Selenium	77-2	3.85	3.46	4.99	4.10	19.39	ppb
Selenium	78-2	5.06	4.96	4.26	4.76	9.14	ppb
Silicon	28-1	491.49	526.52	495.33	504.44	3.81	ppb
Silver	107-1	0.03	0.04	0.04	0.03	20.82	ppb
Silver	109-1	0.04	0.04	0.04	0.04	2.43	ppb
Sodium	23-2	32651.46	34164.49	33039.21	33285.05	2.36	ppb
Strontium	86-1	672.52	717.75	658.01	682.76	4.56	ppb
Strontium	88-1	644.03	691.79	661.35	665.72	3.63	ppb
Sulfur	34-1	-2161.64	-1649.04	-2087.73	-1966.13		ppb
Terbium	159-1				115		%
Terbium	159-2				111		%
Thallium	203-1	0.01	0.02	0.02	0.02	19.93	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	11.05	ppb
Tin	118-1	1.03	1.19	1.14	1.12	7.36	ppb
Titanium	47-1	5.25	5.72	5.27	5.41	4.88	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	3326DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:15:47	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.09	0.10	0.09	0.09	9.19	ppb
Vanadium	51-2	2.43	2.66	2.51	2.53	4.70	ppb
Yttrium	89-1				120		%
Yttrium	89-2				115		%
Zinc	66-2	39.30	42.08	40.70	40.70	3.42	ppb
Zirconium	90-1	0.23	0.22	0.22	0.22	3.75	ppb
Zirconium	91-1	0.22	0.21	0.21	0.21	3.31	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	3326LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:18:57	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	30.02	31.69	29.14	30.28	4.27	ppb
Antimony	121-1	0.18	0.16	0.17	0.17	5.85	ppb
Arsenic	75-2	1.13	1.38	1.18	1.23	10.66	ppb
Barium	135-1	2.97	2.87	2.96	2.94	1.92	ppb
Barium	137-1	2.78	2.92	2.91	2.87	2.74	ppb
Beryllium	9-1	0.02	0.01	0.01	0.01	42.54	ppb
Bismuth	209-1				104		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.49	0.49	0.25	0.41	33.07	ppb
Cadmium	106-1	0.77	0.36	-0.01	0.37	105.18	ppb
Cadmium	111-1	0.06	0.06	0.06	0.06	5.92	ppb
Calcium	43-1	1759.06	1723.75	1775.85	1752.88	1.52	ppb
Calcium	44-1	1826.55	1823.21	1864.71	1838.16	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.64	0.65	0.60	0.63	4.08	ppb
Cobalt	59-2	0.11	0.11	0.12	0.11	5.68	ppb
Copper	63-2	1.61	1.50	1.42	1.51	6.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				112		%
Indium	115-1				114		%
Indium	115-2				115		%
Iron	56-2	414.49	422.68	416.83	418.00	1.01	ppb
Iron	57-2	376.63	386.52	380.25	381.14	1.31	ppb
Iron	54-2	378.90	381.50	379.16	379.85	0.38	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	3326LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:18:57	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.51	1.47	1.53	1.51	1.85	ppb
Lead	207-1	1.39	1.44	1.51	1.45	4.25	ppb
Lead	208-1	1.46	1.45	1.50	1.47	1.76	ppb
Lithium	6-1				84		%
Magnesium	24-2	444.39	451.54	440.33	445.42	1.27	ppb
Manganese	55-2	20.32	20.82	20.11	20.42	1.78	ppb
Molybdenum	94-1	58.27	57.67	57.40	57.78	0.77	ppb
Molybdenum	95-1	70.01	68.35	69.68	69.35	1.27	ppb
Molybdenum	96-1	69.15	67.70	68.70	68.52	1.08	ppb
Molybdenum	97-1	71.27	70.23	70.38	70.63	0.80	ppb
Molybdenum	98-1	70.87	70.31	70.11	70.43	0.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.46	0.39	0.41	0.42	8.32	ppb
Phosphorus	31-2	105.94	93.43	90.20	96.52	8.61	ppb
Potassium	39-2	1536.84	1547.89	1534.17	1539.63	0.47	ppb
Rhodium	103-1				113		%
Rhodium	103-2				116		%
Scandium	45-1				109		%
Scandium	45-2				113		%
Selenium	82-1	3.32	3.38	3.01	3.24	6.13	ppb
Selenium	77-2	4.81	2.91	2.90	3.54	31.13	ppb
Selenium	78-2	3.79	5.52	5.51	4.94	20.11	ppb
Silicon	28-1	114.10	113.19	113.72	113.67	0.40	ppb
Silver	107-1	0.01	0.01	0.01	0.01	18.44	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.44	ppb
Sodium	23-2	7548.85	7677.31	7525.10	7583.75	1.08	ppb
Strontium	86-1	138.86	137.18	136.82	137.62	0.79	ppb
Strontium	88-1	135.11	134.10	134.23	134.48	0.41	ppb
Sulfur	34-1	-3164.30	-3097.40	-3096.24	-3119.31		ppb
Terbium	159-1				113		%
Terbium	159-2				110		%
Thallium	203-1	0.02	0.02	0.02	0.02	4.78	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	20.26	ppb
Tin	118-1	0.77	0.76	0.76	0.76	0.91	ppb
Titanium	47-1	1.16	1.18	1.25	1.20	3.96	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	3326LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:18:57	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	1.87	ppb
Vanadium	51-2	0.53	0.48	0.51	0.50	5.09	ppb
Yttrium	89-1				115		%
Yttrium	89-2				115		%
Zinc	66-2	10.13	10.26	10.15	10.18	0.68	ppb
Zirconium	90-1	0.04	0.05	0.04	0.04	17.90	ppb
Zirconium	91-1	0.03	0.05	0.03	0.04	30.66	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:22:14	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1618.73	1639.25	1645.09	1634.35	0.85	ppb
Antimony	121-1	88.86	88.95	89.53	89.11	0.41	ppb
Arsenic	75-2	112.54	114.01	113.22	113.26	0.65	ppb
Barium	135-1	408.87	401.24	403.95	404.69	0.96	ppb
Barium	137-1	403.71	400.62	402.51	402.28	0.39	ppb
Beryllium	9-1	106.75	105.04	107.18	106.32	1.06	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	100.85	102.12	99.84	100.94	1.13	ppb
Cadmium	106-1	99.62	101.87	101.85	101.11	1.28	ppb
Cadmium	111-1	92.41	91.34	92.18	91.98	0.61	ppb
Calcium	43-1	16359.96	16489.23	16924.16	16591.12	1.78	ppb
Calcium	44-1	18173.75	18132.68	18314.89	18207.10	0.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	88.94	89.26	89.91	89.37	0.55	ppb
Cobalt	59-2	88.71	90.28	89.56	89.52	0.88	ppb
Copper	63-2	1268.27	1295.72	1310.73	1291.57	1.67	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				111		%
Indium	115-1				114		%
Indium	115-2				113		%
Iron	56-2	6311.32	6383.05	6530.48	6408.28	1.74	ppb
Iron	57-2	5694.68	5814.31	5851.40	5786.80	1.42	ppb
Iron	54-2	5811.63	5899.41	5872.84	5861.29	0.77	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:22:14	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	623.10	631.92	605.56	620.19	2.16	ppb
Lead	207-1	616.22	643.24	620.01	626.49	2.33	ppb
Lead	208-1	618.43	626.97	617.00	620.80	0.87	ppb
Lithium	6-1				86		%
Magnesium	24-2	12062.40	12022.50	11953.04	12012.65	0.46	ppb
Manganese	55-2	1367.83	1382.74	1370.44	1373.67	0.58	ppb
Molybdenum	94-1	391.78	406.32	395.74	397.94	1.89	ppb
Molybdenum	95-1	347.38	308.97	356.91	337.75	7.51	ppb
Molybdenum	96-1	366.49	367.92	365.34	366.58	0.35	ppb
Molybdenum	97-1	308.20	315.08	307.49	310.26	1.35	ppb
Molybdenum	98-1	356.69	365.14	355.76	359.20	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	97.98	100.12	99.24	99.11	1.09	ppb
Phosphorus	31-2	489.42	461.89	519.48	490.26	5.88	ppb
Potassium	39-2	7041.54	6915.47	7065.26	7007.42	1.15	ppb
Rhodium	103-1				113		%
Rhodium	103-2				114		%
Scandium	45-1				110		%
Scandium	45-2				113		%
Selenium	82-1	95.83	98.00	95.98	96.60	1.25	ppb
Selenium	77-2	104.03	97.14	94.68	98.62	4.91	ppb
Selenium	78-2	98.48	98.85	100.52	99.29	1.09	ppb
Silicon	28-1	466.31	469.91	482.26	472.83	1.77	ppb
Silver	107-1	17.21	17.13	17.19	17.18	0.22	ppb
Silver	109-1	15.04	15.19	15.25	15.16	0.71	ppb
Sodium	23-2	39828.47	39934.14	40493.76	40085.46	0.89	ppb
Strontium	86-1	3192.11	3295.38	3215.31	3234.27	1.68	ppb
Strontium	88-1	3650.74	3707.63	3624.81	3661.06	1.16	ppb
Sulfur	34-1	-1854.40	-1749.50	-1465.15	-1689.68		ppb
Terbium	159-1				114		%
Terbium	159-2				111		%
Thallium	203-1	79.63	82.98	82.42	81.68	2.20	ppb
Thallium	205-1	78.18	80.32	79.49	79.33	1.36	ppb
Tin	118-1	79.92	80.04	79.73	79.90	0.20	ppb
Titanium	47-1	5.72	5.82	5.49	5.68	2.94	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:22:14	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	93.48	95.97	96.17	95.21	1.57	ppb
Vanadium	51-2	89.66	91.80	92.73	91.40	1.72	ppb
Yttrium	89-1				117		%
Yttrium	89-2				115		%
Zinc	66-2	1176.66	1189.83	1214.19	1193.56	1.60	ppb
Zirconium	90-1	81.59	83.45	82.27	82.43	1.14	ppb
Zirconium	91-1	85.00	85.63	84.65	85.09	0.58	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:25:15	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1615.32	1638.72	1622.29	1625.44	0.74	ppb
Antimony	121-1	94.52	97.69	98.98	97.06	2.36	ppb
Arsenic	75-2	647.87	632.57	637.69	639.38	1.22	ppb
Barium	135-1	395.57	403.69	402.30	400.52	1.08	ppb
Barium	137-1	390.33	396.74	405.19	397.42	1.88	ppb
Beryllium	9-1	119.85	120.37	117.54	119.25	1.26	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	109.32	112.24	111.33	110.96	1.34	ppb
Cadmium	106-1	110.93	116.48	114.81	114.07	2.49	ppb
Cadmium	111-1	100.78	102.16	105.09	102.67	2.14	ppb
Calcium	43-1	16287.32	16145.88	16291.15	16241.45	0.51	ppb
Calcium	44-1	17957.32	18177.76	18083.62	18072.90	0.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	109.47	108.54	109.29	109.10	0.45	ppb
Cobalt	59-2	100.94	100.43	100.63	100.66	0.26	ppb
Copper	63-2	1252.46	1276.13	1291.21	1273.27	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				112		%
Holmium	165-2				111		%
Indium	115-1				111		%
Indium	115-2				113		%
Iron	56-2	6331.81	6359.32	6581.20	6424.11	2.13	ppb
Iron	57-2	5775.28	5812.98	5851.13	5813.13	0.65	ppb
Iron	54-2	5843.03	5890.53	5848.45	5860.67	0.44	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:25:15	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	611.28	610.28	616.31	612.62	0.53	ppb
Lead	207-1	624.91	644.47	624.12	631.17	1.83	ppb
Lead	208-1	616.12	626.27	625.10	622.50	0.89	ppb
Lithium	6-1				85		%
Magnesium	24-2	12031.86	12039.93	12141.55	12071.12	0.51	ppb
Manganese	55-2	1335.37	1360.53	1396.83	1364.25	2.26	ppb
Molybdenum	94-1	411.36	411.85	414.26	412.49	0.38	ppb
Molybdenum	95-1	350.80	302.27	305.31	319.46	8.51	ppb
Molybdenum	96-1	364.26	364.80	368.31	365.79	0.60	ppb
Molybdenum	97-1	304.71	313.04	312.05	309.94	1.47	ppb
Molybdenum	98-1	356.00	355.38	358.72	356.70	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	118.56	118.33	117.47	118.12	0.48	ppb
Phosphorus	31-2	486.91	486.11	488.83	487.28	0.29	ppb
Potassium	39-2	6824.16	6907.93	6852.52	6861.54	0.62	ppb
Rhodium	103-1				111		%
Rhodium	103-2				113		%
Scandium	45-1				109		%
Scandium	45-2				111		%
Selenium	82-1	104.18	104.13	106.52	104.95	1.30	ppb
Selenium	77-2	106.23	104.99	103.05	104.76	1.53	ppb
Selenium	78-2	108.03	105.82	98.80	104.22	4.62	ppb
Silicon	28-1	465.95	461.73	469.89	465.86	0.88	ppb
Silver	107-1	17.84	18.16	18.19	18.06	1.08	ppb
Silver	109-1	15.61	16.03	16.22	15.96	1.95	ppb
Sodium	23-2	38777.63	39470.82	39734.85	39327.77	1.26	ppb
Strontium	86-1	3528.53	3487.87	3542.66	3519.68	0.81	ppb
Strontium	88-1	3948.67	3956.65	3908.73	3938.02	0.65	ppb
Sulfur	34-1	-1456.21	-1498.55	-1451.25	-1468.67		ppb
Terbium	159-1				112		%
Terbium	159-2				111		%
Thallium	203-1	90.51	92.06	90.60	91.06	0.96	ppb
Thallium	205-1	87.37	90.37	87.62	88.45	1.88	ppb
Tin	118-1	78.44	79.43	79.76	79.21	0.87	ppb
Titanium	47-1	5.55	5.53	5.64	5.57	1.00	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:25:15	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	108.64	111.24	107.86	109.25	1.62	ppb
Vanadium	51-2	100.68	101.25	101.54	101.16	0.43	ppb
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	1191.66	1193.49	1191.69	1192.28	0.09	ppb
Zirconium	90-1	89.83	90.05	104.84	94.91	9.06	ppb
Zirconium	91-1	93.36	92.71	93.58	93.22	0.49	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	3326ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:28:22	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1557.42	1551.66	1531.27	1546.78	0.89	ppb
Antimony	121-1	88.17	88.74	87.85	88.26	0.51	ppb
Arsenic	75-2	154.85	156.23	151.78	154.28	1.47	ppb
Barium	135-1	377.74	382.78	375.06	378.53	1.04	ppb
Barium	137-1	372.94	377.59	375.87	375.47	0.63	ppb
Beryllium	9-1	104.51	105.91	104.57	105.00	0.75	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	98.21	98.71	99.84	98.92	0.84	ppb
Cadmium	106-1	97.90	102.60	99.66	100.05	2.37	ppb
Cadmium	111-1	90.43	91.51	89.83	90.59	0.94	ppb
Calcium	43-1	15809.52	16022.63	16316.08	16049.41	1.58	ppb
Calcium	44-1	17733.33	17856.83	17917.03	17835.73	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	89.84	86.75	87.29	87.96	1.88	ppb
Cobalt	59-2	90.29	89.12	88.57	89.33	0.99	ppb
Copper	63-2	1168.80	1141.54	1125.05	1145.13	1.93	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				111		%
Indium	115-1				112		%
Indium	115-2				113		%
Iron	56-2	6223.31	6074.46	6132.05	6143.27	1.22	ppb
Iron	57-2	5606.31	5520.35	5476.20	5534.29	1.20	ppb
Iron	54-2	5661.56	5584.88	5516.91	5587.78	1.30	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	3326ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:28:22	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	536.37	548.43	544.92	543.24	1.14	ppb
Lead	207-1	533.94	555.66	553.01	547.54	2.16	ppb
Lead	208-1	540.41	546.17	551.19	545.92	0.99	ppb
Lithium	6-1				86		%
Magnesium	24-2	11902.29	11889.13	11853.50	11881.64	0.21	ppb
Manganese	55-2	1228.89	1215.29	1221.88	1222.02	0.56	ppb
Molybdenum	94-1	374.69	379.08	387.49	380.42	1.71	ppb
Molybdenum	95-1	283.01	284.89	289.87	285.92	1.24	ppb
Molybdenum	96-1	343.76	333.81	343.21	340.26	1.64	ppb
Molybdenum	97-1	288.24	288.89	297.43	291.52	1.76	ppb
Molybdenum	98-1	334.62	335.06	334.13	334.60	0.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.58	98.33	98.06	98.99	1.39	ppb
Phosphorus	31-2	516.52	502.29	493.79	504.20	2.28	ppb
Potassium	39-2	6741.19	6677.35	6623.90	6680.81	0.88	ppb
Rhodium	103-1				113		%
Rhodium	103-2				114		%
Scandium	45-1				110		%
Scandium	45-2				112		%
Selenium	82-1	95.15	96.41	98.72	96.76	1.87	ppb
Selenium	77-2	102.58	93.32	93.95	96.61	5.35	ppb
Selenium	78-2	96.10	105.28	99.13	100.17	4.67	ppb
Silicon	28-1	462.77	473.53	480.39	472.23	1.88	ppb
Silver	107-1	16.95	17.23	16.80	16.99	1.28	ppb
Silver	109-1	14.99	15.18	15.06	15.08	0.66	ppb
Sodium	23-2	40656.09	39646.36	39900.32	40067.59	1.31	ppb
Strontium	86-1	3173.49	3205.49	3236.76	3205.24	0.99	ppb
Strontium	88-1	3609.97	3642.23	3593.35	3615.18	0.69	ppb
Sulfur	34-1	-1474.21	-1552.30	-1389.40	-1471.97		ppb
Terbium	159-1				113		%
Terbium	159-2				112		%
Thallium	203-1	80.92	80.93	80.93	80.92	0.01	ppb
Thallium	205-1	77.64	78.91	78.76	78.43	0.89	ppb
Tin	118-1	75.18	75.05	74.16	74.80	0.74	ppb
Titanium	47-1	5.36	5.67	5.60	5.55	2.91	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	3326ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:28:22	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	93.52	94.77	94.38	94.22	0.68	ppb
Vanadium	51-2	90.95	89.93	89.76	90.21	0.71	ppb
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	1066.11	1044.65	1049.54	1053.43	1.07	ppb
Zirconium	90-1	80.43	81.40	82.55	81.46	1.30	ppb
Zirconium	91-1	83.44	83.66	84.75	83.95	0.84	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:37:02	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33.07	31.43	32.49	32.33	2.58	ppb
Antimony	121-1	0.06	0.08	0.07	0.07	8.36	ppb
Arsenic	75-2	0.33	0.37	0.34	0.35	4.97	ppb
Barium	135-1	8.03	8.47	8.08	8.19	2.99	ppb
Barium	137-1	8.03	8.26	7.99	8.09	1.77	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	18.75	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.12	0.07	0.08	55.45	ppb
Cadmium	106-1	-0.44	-0.44	-1.46	-0.78		ppb
Cadmium	111-1	-0.02	-0.03	-0.06	-0.04		ppb
Calcium	43-1	1641.58	1683.58	1678.44	1667.86	1.37	ppb
Calcium	44-1	1727.25	1761.71	1772.12	1753.69	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.34	1.33	1.29	1.32	1.82	ppb
Cobalt	59-2	0.20	0.19	0.18	0.19	4.82	ppb
Copper	63-2	1.45	1.45	1.40	1.44	2.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				111		%
Indium	115-1				111		%
Indium	115-2				112		%
Iron	56-2	62035.49	63013.04	63381.32	62809.95	1.11	ppb
Iron	57-2	60936.83	61856.33	62010.72	61601.29	0.94	ppb
Iron	54-2	62069.74	62928.66	63522.22	62840.21	1.16	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:37:02	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.57	0.60	0.62	0.60	4.00	ppb
Lead	207-1	0.61	0.63	0.62	0.62	1.63	ppb
Lead	208-1	0.59	0.62	0.61	0.61	2.65	ppb
Lithium	6-1				86		%
Magnesium	24-2	231.06	237.61	235.34	234.67	1.42	ppb
Manganese	55-2	2343.21	2318.92	2372.49	2344.87	1.14	ppb
Molybdenum	94-1	0.83	0.80	0.80	0.81	2.63	ppb
Molybdenum	95-1	0.60	0.63	0.62	0.62	2.66	ppb
Molybdenum	96-1	0.91	0.97	0.90	0.93	3.56	ppb
Molybdenum	97-1	0.55	0.59	0.61	0.59	5.14	ppb
Molybdenum	98-1	0.57	0.59	0.57	0.57	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.31	0.35	0.39	0.35	10.98	ppb
Phosphorus	31-2	81.57	74.39	84.96	80.31	6.72	ppb
Potassium	39-2	10647.38	10453.09	10508.08	10536.19	0.95	ppb
Rhodium	103-1				110		%
Rhodium	103-2				113		%
Scandium	45-1				108		%
Scandium	45-2				110		%
Selenium	82-1	2.34	1.51	1.75	1.87	22.97	ppb
Selenium	77-2	2.30	3.87	1.68	2.62	43.12	ppb
Selenium	78-2	3.23	5.12	4.78	4.38	23.09	ppb
Silicon	28-1	18.05	19.71	19.98	19.24	5.43	ppb
Silver	107-1	0.01	0.00	0.01	0.01	39.18	ppb
Silver	109-1	0.00	0.01	0.01	0.01	8.55	ppb
Sodium	23-2	1327.30	1337.62	1331.48	1332.13	0.39	ppb
Strontium	86-1	124.25	123.84	120.83	122.97	1.52	ppb
Strontium	88-1	117.27	119.50	117.88	118.21	0.97	ppb
Sulfur	34-1	-2579.14	-2354.34	-2201.89	-2378.46		ppb
Terbium	159-1				112		%
Terbium	159-2				110		%
Thallium	203-1	0.01	0.01	0.01	0.01	21.33	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	25.63	ppb
Tin	118-1	0.27	0.30	0.26	0.27	7.60	ppb
Titanium	47-1	1.15	1.06	1.14	1.12	4.36	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:37:02	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.01	0.01	0.01	11.80	ppb
Vanadium	51-2	0.16	0.14	0.15	0.15	6.64	ppb
Yttrium	89-1				112		%
Yttrium	89-2				112		%
Zinc	66-2	17.20	17.36	17.35	17.31	0.51	ppb
Zirconium	90-1	0.17	0.14	0.16	0.16	9.64	ppb
Zirconium	91-1	0.22	0.18	0.16	0.19	15.42	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:41:24	DataFile Name :	039CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51481.43	50042.56	51196.85	50906.95	1.50	ppb
Antimony	121-1	493.49	517.17	513.61	508.09	2.51	ppb
Arsenic	75-2	495.10	499.45	502.76	499.11	0.77	ppb
Barium	135-1	2535.23	2598.40	2588.65	2574.09	1.32	ppb
Barium	137-1	2457.21	2524.85	2596.04	2526.03	2.75	ppb
Beryllium	9-1	531.50	541.31	536.07	536.29	0.92	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.15	532.71	532.44	523.43	3.02	ppb
Cadmium	106-1	522.95	543.19	529.92	532.02	1.93	ppb
Cadmium	111-1	464.98	486.65	479.45	477.03	2.31	ppb
Calcium	43-1	261814.17	263426.71	264337.16	263192.68	0.49	ppb
Calcium	44-1	263342.95	259090.55	260905.75	261113.08	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	523.73	522.53	523.68	523.31	0.13	ppb
Cobalt	59-2	515.89	511.83	521.62	516.45	0.95	ppb
Copper	63-2	5194.49	5196.99	5198.92	5196.80	0.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				105		%
Iron	56-2	132031.22	132461.76	131288.27	131927.08	0.45	ppb
Iron	57-2	129731.56	131930.07	133385.54	131682.39	1.40	ppb
Iron	54-2	130172.59	132204.08	133082.04	131819.57	1.13	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:41:24	DataFile Name :	039CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2521.73	2566.16	2623.90	2570.60	1.99	ppb
Lead	207-1	2583.16	2589.54	2651.77	2608.15	1.45	ppb
Lead	208-1	2565.29	2563.40	2618.59	2582.43	1.21	ppb
Lithium	6-1				85		%
Magnesium	24-2	263360.19	267509.76	263931.68	264933.88	0.85	ppb
Manganese	55-2	5045.76	5122.76	5094.62	5087.71	0.77	ppb
Molybdenum	94-1	4934.76	5021.99	5025.11	4993.95	1.03	ppb
Molybdenum	95-1	4915.64	4943.08	5027.85	4962.19	1.18	ppb
Molybdenum	96-1	4915.32	4982.15	5043.04	4980.17	1.28	ppb
Molybdenum	97-1	4918.48	5038.38	5015.32	4990.73	1.27	ppb
Molybdenum	98-1	4988.80	5073.92	5095.92	5052.88	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.43	503.62	506.91	505.66	0.35	ppb
Phosphorus	31-2	10113.15	10092.78	10092.97	10099.63	0.12	ppb
Potassium	39-2	128115.87	128560.03	127156.71	127944.20	0.56	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				109		%
Selenium	82-1	483.12	485.55	485.57	484.75	0.29	ppb
Selenium	77-2	490.27	488.35	492.25	490.29	0.40	ppb
Selenium	78-2	490.28	483.55	489.86	487.89	0.77	ppb
Silicon	28-1	464.28	473.63	477.27	471.72	1.42	ppb
Silver	107-1	449.88	465.63	469.92	461.81	2.28	ppb
Silver	109-1	443.98	460.01	471.45	458.48	3.01	ppb
Sodium	23-2	257027.53	256402.01	256455.97	256628.51	0.14	ppb
Strontium	86-1	11178.64	11446.70	11404.06	11343.13	1.27	ppb
Strontium	88-1	12549.86	12824.44	12808.22	12727.51	1.21	ppb
Sulfur	34-1	8762.47	8758.18	8365.39	8628.68	2.64	ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	522.06	524.05	538.96	528.36	1.75	ppb
Thallium	205-1	513.58	518.16	530.20	520.64	1.65	ppb
Tin	118-1	499.67	519.48	522.59	513.91	2.42	ppb
Titanium	47-1	5155.90	5196.55	5124.39	5158.94	0.70	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:41:24	DataFile Name :	039CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	507.02	532.26	524.24	521.18	2.47	ppb
Vanadium	51-2	522.25	522.29	518.89	521.14	0.37	ppb
Yttrium	89-1				110		%
Yttrium	89-2				110		%
Zinc	66-2	5167.43	5046.92	5154.05	5122.80	1.29	ppb
Zirconium	90-1	500.64	507.85	506.58	505.02	0.76	ppb
Zirconium	91-1	440.18	513.60	511.92	488.57	8.58	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:47:21	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.31	0.46	-0.02	0.25	98.21	ppb
Antimony	121-1	0.05	0.05	0.04	0.05	13.23	ppb
Arsenic	75-2	0.02	0.02	0.00	0.01	112.02	ppb
Barium	135-1	0.00	0.01	0.01	0.00	287.63	ppb
Barium	137-1	0.00	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	88.20	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.10	0.07	0.06	69.17	ppb
Cadmium	106-1	-0.34	-0.28	0.46	-0.05		ppb
Cadmium	111-1	-0.02	-0.01	0.04	0.00	738.37	ppb
Calcium	43-1	0.44	0.85	-1.75	-0.15		ppb
Calcium	44-1	60.44	53.86	50.56	54.95	9.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.04	0.04	0.02	103.05	ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	0.05	0.04	0.06	0.05	12.31	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				107		%
Holmium	165-2				106		%
Indium	115-1				109		%
Indium	115-2				109		%
Iron	56-2	0.74	0.88	1.05	0.89	17.57	ppb
Iron	57-2	2.63	2.59	2.49	2.57	2.73	ppb
Iron	54-2	1.94	2.00	2.38	2.11	11.12	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:47:21	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.03	0.04	0.03	38.41	ppb
Lead	207-1	0.03	0.03	0.02	0.03	27.34	ppb
Lead	208-1	0.02	0.03	0.03	0.03	11.42	ppb
Lithium	6-1				85		%
Magnesium	24-2	0.93	0.87	0.80	0.87	7.55	ppb
Manganese	55-2	0.05	0.06	0.08	0.06	24.58	ppb
Molybdenum	94-1	0.04	0.05	0.05	0.05	15.37	ppb
Molybdenum	95-1	0.04	0.03	0.03	0.04	21.62	ppb
Molybdenum	96-1	0.06	0.05	0.05	0.05	16.96	ppb
Molybdenum	97-1	0.07	0.05	0.04	0.05	22.67	ppb
Molybdenum	98-1	0.06	0.06	0.06	0.06	5.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.03	0.04	0.02	156.32	ppb
Phosphorus	31-2	-31.31	-32.34	-35.55	-33.07		ppb
Potassium	39-2	17.57	21.56	21.41	20.18	11.22	ppb
Rhodium	103-1				109		%
Rhodium	103-2				109		%
Scandium	45-1				104		%
Scandium	45-2				107		%
Selenium	82-1	0.17	-0.18	0.64	0.21	194.43	ppb
Selenium	77-2	1.03	0.14	0.60	0.59	74.86	ppb
Selenium	78-2	1.53	2.17	1.62	1.77	19.52	ppb
Silicon	28-1	1.95	1.54	1.41	1.63	17.27	ppb
Silver	107-1	0.13	0.21	0.27	0.21	34.82	ppb
Silver	109-1	0.14	0.20	0.30	0.21	35.36	ppb
Sodium	23-2	44.33	45.21	45.06	44.87	1.05	ppb
Strontium	86-1	2.37	0.97	1.34	1.56	46.21	ppb
Strontium	88-1	-0.12	-0.07	-0.06	-0.08		ppb
Sulfur	34-1	-2167.96	-2358.47	-2276.50	-2267.64		ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	0.03	0.02	0.03	0.02	30.79	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	18.50	ppb
Tin	118-1	0.04	-0.01	0.03	0.02	135.37	ppb
Titanium	47-1	0.01	0.02	0.01	0.01	51.83	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:47:21	DataFile Name :	040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	48.00	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	-0.24	-0.19	-0.19	-0.21		ppb
Zirconium	90-1	0.02	0.01	0.02	0.02	17.03	ppb
Zirconium	91-1	0.01	0.02	0.01	0.01	46.73	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BL	Instrumnet Name :	P7
Client Sample ID :	PB168792BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:50:40	DataFile Name :	041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.16	-0.22	0.03	-0.11		ppb
Antimony	121-1	0.02	0.01	0.02	0.02	12.05	ppb
Arsenic	75-2	0.03	0.00	0.01	0.02	92.19	ppb
Barium	135-1	0.00	0.01	0.00	0.00	177.99	ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	100.35	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.02	0.04	0.03	46.71	ppb
Cadmium	106-1	0.53	0.12	-0.03	0.21	140.73	ppb
Cadmium	111-1	0.03	0.01	0.00	0.01	138.87	ppb
Calcium	43-1	-0.44	2.26	-1.24	0.19	952.74	ppb
Calcium	44-1	56.30	54.25	53.80	54.78	2.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.03	0.01	0.02	87.53	ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	0.00	-0.01	0.03	0.00	495.79	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				106		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				109		%
Iron	56-2	0.52	0.46	0.40	0.46	13.24	ppb
Iron	57-2	1.28	1.17	1.77	1.41	22.75	ppb
Iron	54-2	1.35	1.96	0.77	1.36	43.91	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BL	Instrumnet Name :	P7
Client Sample ID :	PB168792BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:50:40	DataFile Name :	041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.01	0.02	0.01	85.44	ppb
Lead	207-1	0.01	0.02	0.02	0.02	35.97	ppb
Lead	208-1	0.01	0.01	0.01	0.01	19.72	ppb
Lithium	6-1				85		%
Magnesium	24-2	-0.04	0.06	-0.10	-0.02		ppb
Manganese	55-2	0.04	0.06	0.05	0.05	17.58	ppb
Molybdenum	94-1	0.00	0.01	0.02	0.01	89.00	ppb
Molybdenum	95-1	0.01	0.02	0.02	0.02	32.94	ppb
Molybdenum	96-1	0.03	0.01	0.00	0.01	78.23	ppb
Molybdenum	97-1	0.03	0.02	0.04	0.03	38.18	ppb
Molybdenum	98-1	0.02	0.02	0.01	0.02	34.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	0.00	-0.01	-0.02		ppb
Phosphorus	31-2	-40.71	-31.01	-40.50	-37.41		ppb
Potassium	39-2	14.68	18.70	15.68	16.35	12.81	ppb
Rhodium	103-1				107		%
Rhodium	103-2				109		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	82-1	0.37	0.57	0.40	0.45	24.17	ppb
Selenium	77-2	-0.08	0.15	0.38	0.15	155.84	ppb
Selenium	78-2	1.81	0.57	2.67	1.68	62.72	ppb
Silicon	28-1	1.35	1.27	1.10	1.24	10.57	ppb
Silver	107-1	0.09	0.13	0.18	0.13	32.14	ppb
Silver	109-1	0.09	0.14	0.19	0.14	36.39	ppb
Sodium	23-2	39.00	38.73	37.11	38.28	2.66	ppb
Strontium	86-1	0.97	0.25	0.63	0.61	58.32	ppb
Strontium	88-1	-0.08	-0.08	-0.14	-0.10		ppb
Sulfur	34-1	-2077.45	-2257.96	-2165.44	-2166.95		ppb
Terbium	159-1				108		%
Terbium	159-2				107		%
Thallium	203-1	0.01	0.02	0.02	0.02	15.10	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	7.10	ppb
Tin	118-1	0.09	0.08	0.06	0.08	23.48	ppb
Titanium	47-1	-0.02	-0.02	-0.02	-0.02		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BL	Instrumnet Name :	P7
Client Sample ID :	PB168792BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:50:40	DataFile Name :	041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	56.57	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	0.03	-0.07	-0.12	-0.05		ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	48.71	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	136.81	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BS	Instrumnet Name :	P7
Client Sample ID :	PB168792BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:53:59	DataFile Name :	042LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9646.42	9740.97	9939.02	9775.47	1.53	ppb
Antimony	121-1	517.61	517.13	511.85	515.53	0.62	ppb
Arsenic	75-2	513.92	514.55	517.77	515.41	0.40	ppb
Barium	135-1	2497.14	2573.79	2569.48	2546.80	1.69	ppb
Barium	137-1	2540.36	2566.23	2558.88	2555.16	0.52	ppb
Beryllium	9-1	524.96	538.99	534.57	532.84	1.35	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.66	505.95	516.43	509.35	1.20	ppb
Cadmium	106-1	513.53	509.36	514.77	512.55	0.55	ppb
Cadmium	111-1	461.51	459.89	463.08	461.50	0.35	ppb
Calcium	43-1	44683.59	45612.39	44765.47	45020.49	1.14	ppb
Calcium	44-1	49387.70	49939.05	49228.76	49518.50	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	516.46	517.64	516.44	516.85	0.13	ppb
Cobalt	59-2	542.24	512.53	530.99	528.59	2.84	ppb
Copper	63-2	5278.12	5273.12	5180.40	5243.88	1.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				109		%
Iron	56-2	25625.04	24904.56	25728.94	25419.51	1.77	ppb
Iron	57-2	25234.00	24785.27	25491.54	25170.27	1.42	ppb
Iron	54-2	25290.08	25563.97	25919.63	25591.23	1.23	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BS	Instrumnet Name :	P7
Client Sample ID :	PB168792BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:53:59	DataFile Name :	042LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2594.91	2556.02	2585.33	2578.75	0.79	ppb
Lead	207-1	2587.49	2554.98	2600.23	2580.90	0.90	ppb
Lead	208-1	2568.10	2552.28	2594.97	2571.78	0.84	ppb
Lithium	6-1				88		%
Magnesium	24-2	49723.78	49885.02	50451.75	50020.18	0.76	ppb
Manganese	55-2	5226.30	5124.47	5248.03	5199.60	1.27	ppb
Molybdenum	94-1	5060.57	4919.62	5138.04	5039.41	2.20	ppb
Molybdenum	95-1	4945.34	4977.97	5085.94	5003.08	1.47	ppb
Molybdenum	96-1	4928.21	4991.53	5064.70	4994.81	1.37	ppb
Molybdenum	97-1	4983.94	4941.73	5070.45	4998.71	1.31	ppb
Molybdenum	98-1	4998.72	5048.47	5129.64	5058.94	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	534.64	514.29	528.80	525.91	1.99	ppb
Phosphorus	31-2	10005.78	10003.88	10285.14	10098.27	1.60	ppb
Potassium	39-2	24854.82	24192.74	24639.89	24562.48	1.38	ppb
Rhodium	103-1				107		%
Rhodium	103-2				110		%
Scandium	45-1				108		%
Scandium	45-2				109		%
Selenium	82-1	507.26	501.76	515.35	508.12	1.34	ppb
Selenium	77-2	518.34	507.26	544.68	523.43	3.67	ppb
Selenium	78-2	506.75	510.72	517.51	511.66	1.06	ppb
Silicon	28-1	492.85	502.42	491.69	495.65	1.19	ppb
Silver	107-1	512.06	518.83	524.95	518.61	1.24	ppb
Silver	109-1	521.95	512.59	516.87	517.13	0.91	ppb
Sodium	23-2	48704.27	49890.28	49879.50	49491.35	1.38	ppb
Strontium	86-1	11303.17	11216.22	11432.28	11317.22	0.96	ppb
Strontium	88-1	12787.37	12730.74	12928.70	12815.61	0.80	ppb
Sulfur	34-1	8109.74	8099.65	8028.85	8079.42	0.55	ppb
Terbium	159-1				113		%
Terbium	159-2				109		%
Thallium	203-1	508.70	508.06	529.02	515.26	2.31	ppb
Thallium	205-1	514.85	517.07	526.31	519.41	1.17	ppb
Tin	118-1	522.61	517.92	511.31	517.28	1.10	ppb
Titanium	47-1	5086.66	5055.17	5111.74	5084.52	0.56	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BS	Instrumnet Name :	P7
Client Sample ID :	PB168792BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:53:59	DataFile Name :	042LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	497.93	493.92	508.91	500.25	1.55	ppb
Vanadium	51-2	512.74	518.40	522.78	517.97	0.97	ppb
Yttrium	89-1				112		%
Yttrium	89-2				110		%
Zinc	66-2	5312.90	5250.78	5287.60	5283.76	0.59	ppb
Zirconium	90-1	511.98	490.17	518.52	506.89	2.93	ppb
Zirconium	91-1	521.66	516.27	530.32	522.75	1.36	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01DLX5	Instrumnet Name :	P7
Client Sample ID :	293DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:56:42	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	116.60	112.80	118.71	116.04	2.58	ppb
Antimony	121-1	0.63	0.61	0.59	0.61	2.93	ppb
Arsenic	75-2	4.16	4.82	4.45	4.48	7.35	ppb
Barium	135-1	3.24	3.35	3.28	3.29	1.66	ppb
Barium	137-1	3.34	3.33	3.40	3.36	1.06	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	159.75	ppb
Bismuth	209-1				94		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	31.09	31.14	32.98	31.74	3.40	ppb
Cadmium	106-1	1.12	0.76	0.59	0.82	33.32	ppb
Cadmium	111-1	1.03	1.11	0.85	1.00	12.96	ppb
Calcium	43-1	201.02	207.48	200.54	203.01	1.91	ppb
Calcium	44-1	327.01	347.02	344.87	339.63	3.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.95	1.00	1.04	1.00	4.31	ppb
Cobalt	59-2	0.10	0.10	0.09	0.09	5.85	ppb
Copper	63-2	29.74	29.83	29.63	29.74	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				101		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	162.07	161.22	160.42	161.23	0.51	ppb
Iron	57-2	161.36	159.56	162.93	161.28	1.05	ppb
Iron	54-2	162.24	165.00	164.66	163.97	0.92	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01DLX5	Instrumnet Name :	P7
Client Sample ID :	293DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:56:42	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.49	0.48	0.46	0.48	3.04	ppb
Lead	207-1	0.48	0.44	0.43	0.45	5.56	ppb
Lead	208-1	0.48	0.46	0.44	0.46	4.44	ppb
Lithium	6-1				79		%
Magnesium	24-2	105.93	105.73	109.28	106.98	1.86	ppb
Manganese	55-2	101.19	100.48	100.26	100.64	0.48	ppb
Molybdenum	94-1	6524.61	6766.58	6837.91	6709.70	2.45	ppb
Molybdenum	95-1	8042.51	8252.01	8228.00	8174.17	1.40	ppb
Molybdenum	96-1	8024.22	8066.71	8004.50	8031.81	0.40	ppb
Molybdenum	97-1	8214.72	8203.64	8233.57	8217.31	0.18	ppb
Molybdenum	98-1	8210.74	8258.91	8274.27	8247.97	0.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.50	0.59	0.65	0.58	12.25	ppb
Phosphorus	31-2	477.79	449.86	436.53	454.73	4.63	ppb
Potassium	39-2	115126.15	113751.50	114988.37	114622.01	0.66	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	6.84	9.97	9.05	8.62	18.68	ppb
Selenium	77-2	6.97	9.43	7.78	8.06	15.53	ppb
Selenium	78-2	13.62	11.59	12.38	12.53	8.16	ppb
Silicon	28-1	101.96	115.30	119.56	112.27	8.18	ppb
Silver	107-1	0.04	0.04	0.04	0.04	5.44	ppb
Silver	109-1	0.05	0.05	0.04	0.05	9.79	ppb
Sodium	23-2	107880.97	107249.63	109307.51	108146.04	0.97	ppb
Strontium	86-1	43.42	43.36	43.99	43.59	0.79	ppb
Strontium	88-1	39.42	40.87	40.94	40.41	2.12	ppb
Sulfur	34-1	-1109.79	-1046.96	-1239.26	-1132.00		ppb
Terbium	159-1				103		%
Terbium	159-2				99		%
Thallium	203-1	0.07	0.06	0.07	0.07	6.80	ppb
Thallium	205-1	0.06	0.07	0.07	0.07	5.42	ppb
Tin	118-1	0.93	0.93	0.88	0.91	3.13	ppb
Titanium	47-1	1.73	1.68	1.60	1.67	4.15	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01DLX5	Instrumnet Name :	P7
Client Sample ID :	293DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:56:42	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.01	0.01	0.01	19.68	ppb
Vanadium	51-2	0.50	0.44	0.45	0.46	7.41	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	82.61	81.54	81.01	81.72	1.00	ppb
Zirconium	90-1	0.11	0.09	0.12	0.11	15.52	ppb
Zirconium	91-1	0.13	0.12	0.12	0.12	5.95	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BL	Instrumnet Name :	P7
Client Sample ID :	PB168807BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:03:59	DataFile Name :	044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.05	0.11	-0.16	0.00	8589.58	ppb
Antimony	121-1	0.03	0.02	0.02	0.02	14.65	ppb
Arsenic	75-2	0.08	0.03	0.04	0.05	52.57	ppb
Barium	135-1	-0.02	-0.01	-0.01	-0.02		ppb
Barium	137-1	-0.01	-0.02	-0.02	-0.02		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.07	0.02	0.03	95.17	ppb
Cadmium	106-1	-0.49	-0.07	-2.01	-0.86		ppb
Cadmium	111-1	-0.03	-0.01	-0.12	-0.05		ppb
Calcium	43-1	2.19	0.00	-2.09	0.03	6560.21	ppb
Calcium	44-1	60.87	54.39	56.01	57.09	5.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.02	0.04	0.04	41.70	ppb
Cobalt	59-2	-0.01	0.00	-0.01	0.00		ppb
Copper	63-2	0.00	-0.01	-0.01	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				109		%
Indium	115-2				109		%
Iron	56-2	0.59	0.32	0.27	0.40	43.42	ppb
Iron	57-2	1.63	2.13	3.27	2.34	35.85	ppb
Iron	54-2	0.87	2.10	0.14	1.04	95.67	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BL	Instrumnet Name :	P7
Client Sample ID :	PB168807BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:03:59	DataFile Name :	044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.03	0.02	0.02	25.02	ppb
Lead	207-1	0.01	0.01	0.02	0.01	28.49	ppb
Lead	208-1	0.02	0.02	0.02	0.02	9.15	ppb
Lithium	6-1				86		%
Magnesium	24-2	-0.22	-0.29	-0.27	-0.26		ppb
Manganese	55-2	0.06	0.08	0.05	0.06	18.05	ppb
Molybdenum	94-1	0.12	0.10	0.08	0.10	17.47	ppb
Molybdenum	95-1	0.10	0.12	0.09	0.10	17.07	ppb
Molybdenum	96-1	0.13	0.10	0.09	0.11	17.31	ppb
Molybdenum	97-1	0.13	0.10	0.08	0.11	23.98	ppb
Molybdenum	98-1	0.11	0.09	0.10	0.10	8.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	0.00	0.06	0.01	566.77	ppb
Phosphorus	31-2	-34.80	-34.48	-38.82	-36.03		ppb
Potassium	39-2	21.77	18.73	18.22	19.57	9.81	ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				104		%
Scandium	45-2				107		%
Selenium	82-1	1.75	2.90	1.03	1.89	49.72	ppb
Selenium	77-2	2.40	1.25	2.46	2.04	33.44	ppb
Selenium	78-2	2.48	2.28	3.10	2.62	16.31	ppb
Silicon	28-1	3.60	2.32	2.23	2.72	28.23	ppb
Silver	107-1	0.00	0.01	0.01	0.01	49.27	ppb
Silver	109-1	0.01	0.01	0.01	0.01	12.24	ppb
Sodium	23-2	38.36	36.80	36.70	37.29	2.49	ppb
Strontium	86-1	0.12	0.52	0.46	0.37	59.19	ppb
Strontium	88-1	-0.08	-0.10	-0.12	-0.10		ppb
Sulfur	34-1	-2340.50	-2528.75	-2450.32	-2439.86		ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	0.01	0.01	0.01	0.01	10.78	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	18.18	ppb
Tin	118-1	0.07	0.06	0.09	0.08	20.79	ppb
Titanium	47-1	-0.03	0.01	-0.04	-0.02		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BL	Instrumnet Name :	P7
Client Sample ID :	PB168807BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:03:59	DataFile Name :	044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	279.55	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00		ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	-0.05	-0.10	-0.19	-0.12		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	21.80	ppb
Zirconium	91-1	0.00	-0.01	0.00	0.00		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BS	Instrumnet Name :	P7
Client Sample ID :	PB168807BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:07:16	DataFile Name :	045LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9930.17	9907.66	10220.95	10019.59	1.74	ppb
Antimony	121-1	522.36	520.94	511.54	518.28	1.13	ppb
Arsenic	75-2	523.16	518.71	529.91	523.93	1.08	ppb
Barium	135-1	2550.00	2630.59	2555.22	2578.60	1.75	ppb
Barium	137-1	2538.20	2600.37	2563.61	2567.39	1.22	ppb
Beryllium	9-1	537.28	535.49	533.18	535.32	0.38	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	518.47	512.73	510.03	513.74	0.84	ppb
Cadmium	106-1	518.29	520.74	516.05	518.36	0.45	ppb
Cadmium	111-1	463.66	463.82	460.51	462.66	0.40	ppb
Calcium	43-1	44904.93	45043.23	45202.45	45050.20	0.33	ppb
Calcium	44-1	49846.81	50185.23	49854.00	49962.02	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	513.44	521.46	542.30	525.73	2.83	ppb
Cobalt	59-2	522.56	536.11	532.24	530.31	1.32	ppb
Copper	63-2	5225.75	5186.89	5161.20	5191.28	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				110		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				109		%
Iron	56-2	25331.87	25634.71	25552.60	25506.39	0.61	ppb
Iron	57-2	25241.18	25365.36	25082.39	25229.64	0.56	ppb
Iron	54-2	25050.16	25833.34	26069.08	25650.86	2.08	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BS	Instrumnet Name :	P7
Client Sample ID :	PB168807BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:07:16	DataFile Name :	045LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2572.35	2528.69	2618.57	2573.20	1.75	ppb
Lead	207-1	2570.26	2573.74	2618.73	2587.58	1.04	ppb
Lead	208-1	2551.06	2525.72	2629.36	2568.71	2.10	ppb
Lithium	6-1				87		%
Magnesium	24-2	49844.08	49352.65	50954.16	50050.30	1.64	ppb
Manganese	55-2	5068.92	5320.56	5216.49	5201.99	2.43	ppb
Molybdenum	94-1	5055.49	5045.62	5032.84	5044.65	0.23	ppb
Molybdenum	95-1	4942.10	5022.52	5000.51	4988.37	0.83	ppb
Molybdenum	96-1	5025.89	5099.31	4910.90	5012.03	1.89	ppb
Molybdenum	97-1	5016.71	5117.25	5010.17	5048.04	1.19	ppb
Molybdenum	98-1	5123.04	5095.51	5011.21	5076.59	1.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	512.99	525.12	521.20	519.77	1.19	ppb
Phosphorus	31-2	10067.97	10152.54	10046.64	10089.05	0.56	ppb
Potassium	39-2	23639.84	24192.48	24418.72	24083.68	1.66	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				107		%
Scandium	45-2				109		%
Selenium	82-1	508.93	507.90	513.17	510.00	0.55	ppb
Selenium	77-2	507.61	523.43	551.46	527.50	4.21	ppb
Selenium	78-2	519.06	509.26	519.75	516.02	1.14	ppb
Silicon	28-1	505.78	505.32	503.73	504.95	0.21	ppb
Silver	107-1	523.68	523.73	522.68	523.37	0.11	ppb
Silver	109-1	513.48	516.38	514.22	514.69	0.29	ppb
Sodium	23-2	49668.46	48729.54	51594.95	49997.65	2.92	ppb
Strontium	86-1	11221.31	11424.82	11405.84	11350.66	0.99	ppb
Strontium	88-1	12771.87	12762.26	12950.55	12828.23	0.83	ppb
Sulfur	34-1	8244.73	8124.41	8087.84	8152.33	1.01	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	508.41	507.50	528.67	514.86	2.32	ppb
Thallium	205-1	512.12	498.17	527.89	512.73	2.90	ppb
Tin	118-1	515.40	524.10	529.64	523.05	1.37	ppb
Titanium	47-1	5047.49	5044.81	5089.29	5060.53	0.49	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BS	Instrumnet Name :	P7
Client Sample ID :	PB168807BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:07:16	DataFile Name :	045LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	495.46	489.59	498.79	494.61	0.94	ppb
Vanadium	51-2	515.33	519.27	528.42	521.01	1.29	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	5280.23	5145.03	5287.31	5237.53	1.53	ppb
Zirconium	90-1	498.40	506.40	511.04	505.28	1.27	ppb
Zirconium	91-1	509.95	513.12	522.41	515.16	1.26	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-01	Instrumnet Name :	P7
Client Sample ID :	17 BANK	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:10:02	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.74	17.47	20.79	18.66	9.87	ppb
Antimony	121-1	0.17	0.21	0.22	0.20	13.05	ppb
Arsenic	75-2	0.36	0.29	0.30	0.31	12.39	ppb
Barium	135-1	70.74	72.80	73.60	72.38	2.04	ppb
Barium	137-1	71.25	71.47	72.80	71.84	1.17	ppb
Beryllium	9-1	0.37	0.37	0.38	0.37	2.07	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.51	0.81	0.84	0.72	25.16	ppb
Cadmium	106-1	2.63	1.37	2.64	2.21	32.99	ppb
Cadmium	111-1	0.40	0.28	0.31	0.33	19.27	ppb
Calcium	43-1	75406.93	75137.32	75441.88	75328.71	0.22	ppb
Calcium	44-1	73568.02	73862.14	73194.68	73541.61	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.19	1.04	1.23	1.15	8.79	ppb
Cobalt	59-2	0.54	0.55	0.55	0.55	0.82	ppb
Copper	63-2	56.59	56.77	55.71	56.36	1.01	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				115		%
Iron	56-2	895.19	895.21	882.73	891.04	0.81	ppb
Iron	57-2	1181.84	1168.34	1157.49	1169.22	1.04	ppb
Iron	54-2	809.86	792.75	800.71	801.11	1.07	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-01	Instrumnet Name :	P7
Client Sample ID :	17 BANK	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:10:02	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.15	5.08	5.25	5.16	1.69	ppb
Lead	207-1	5.23	4.99	5.03	5.08	2.53	ppb
Lead	208-1	5.16	5.03	5.13	5.11	1.36	ppb
Lithium	6-1				91		%
Magnesium	24-2	22495.62	22208.02	22162.62	22288.75	0.81	ppb
Manganese	55-2	2.29	2.19	2.26	2.24	2.34	ppb
Molybdenum	94-1	0.93	0.90	0.83	0.88	5.77	ppb
Molybdenum	95-1	1.08	0.98	1.01	1.03	4.76	ppb
Molybdenum	96-1	1.00	1.02	1.04	1.02	1.71	ppb
Molybdenum	97-1	1.05	1.05	1.07	1.06	1.30	ppb
Molybdenum	98-1	1.01	1.06	1.01	1.03	2.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.68	14.43	14.25	14.45	1.49	ppb
Phosphorus	31-2	-9.13	-11.40	-11.93	-10.82		ppb
Potassium	39-2	3217.30	3209.51	3163.09	3196.63	0.92	ppb
Rhodium	103-1				113		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				115		%
Selenium	82-1	0.70	1.53	1.20	1.15	36.50	ppb
Selenium	77-2	1.98	2.42	1.17	1.86	34.14	ppb
Selenium	78-2	1.55	2.68	1.65	1.96	31.92	ppb
Silicon	28-1	477.76	477.90	460.68	472.12	2.10	ppb
Silver	107-1	0.16	0.13	0.11	0.13	18.37	ppb
Silver	109-1	0.11	0.10	0.09	0.10	13.94	ppb
Sodium	23-2	312675.86	315132.98	309328.61	312379.15	0.93	ppb
Strontium	86-1	4286.26	4277.15	4280.03	4281.15	0.11	ppb
Strontium	88-1	4857.14	4828.84	4860.54	4848.84	0.36	ppb
Sulfur	34-1	6023.86	6268.52	6008.59	6100.32	2.39	ppb
Terbium	159-1				118		%
Terbium	159-2				114		%
Thallium	203-1	0.08	0.09	0.09	0.09	4.80	ppb
Thallium	205-1	0.04	0.05	0.04	0.04	6.06	ppb
Tin	118-1	0.48	0.60	0.67	0.58	16.65	ppb
Titanium	47-1	0.51	0.77	0.59	0.62	21.40	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-01	Instrumnet Name :	P7
Client Sample ID :	17 BANK	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:10:02	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.53	1.51	1.51	1.52	0.50	ppb
Vanadium	51-2	0.28	0.24	0.27	0.26	6.60	ppb
Yttrium	89-1				120		%
Yttrium	89-2				118		%
Zinc	66-2	1355.55	1354.77	1339.54	1349.95	0.67	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	23.11	ppb
Zirconium	91-1	0.02	0.02	0.03	0.03	19.65	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02	Instrumnet Name :	P7
Client Sample ID :	SUPPLY	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:13:17	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.05	4.70	4.65	4.80	4.51	ppb
Antimony	121-1	0.04	0.03	0.03	0.03	8.21	ppb
Arsenic	75-2	0.15	0.12	0.20	0.16	26.50	ppb
Barium	135-1	26.62	26.41	25.71	26.25	1.81	ppb
Barium	137-1	25.99	26.41	26.16	26.19	0.80	ppb
Beryllium	9-1	1.38	1.32	1.34	1.34	2.14	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.11	0.09	0.07	75.55	ppb
Cadmium	106-1	0.68	0.55	0.26	0.50	43.26	ppb
Cadmium	111-1	0.06	0.06	0.03	0.05	38.92	ppb
Calcium	43-1	113149.49	113579.86	115775.03	114168.13	1.23	ppb
Calcium	44-1	112638.48	112811.89	114651.48	113367.29	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.09	0.08	0.09	0.09	6.41	ppb
Cobalt	59-2	0.35	0.37	0.34	0.35	4.14	ppb
Copper	63-2	18.43	18.85	18.86	18.71	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				116		%
Holmium	165-2				115		%
Indium	115-1				117		%
Indium	115-2				117		%
Iron	56-2	23.01	23.32	23.11	23.15	0.69	ppb
Iron	57-2	601.71	616.61	623.20	613.84	1.79	ppb
Iron	54-2	23.96	23.91	23.43	23.77	1.22	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02	Instrumnet Name :	P7
Client Sample ID :	SUPPLY	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:13:17	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.55	0.56	0.59	0.57	2.84	ppb
Lead	207-1	0.57	0.51	0.52	0.53	6.78	ppb
Lead	208-1	0.55	0.56	0.54	0.55	2.06	ppb
Lithium	6-1				91		%
Magnesium	24-2	39156.76	38719.11	39798.44	39224.77	1.38	ppb
Manganese	55-2	4.80	4.76	4.83	4.79	0.75	ppb
Molybdenum	94-1	2.33	2.38	2.42	2.38	1.86	ppb
Molybdenum	95-1	2.80	2.80	2.95	2.85	3.03	ppb
Molybdenum	96-1	2.91	2.81	2.93	2.88	2.27	ppb
Molybdenum	97-1	3.06	2.94	2.95	2.98	2.22	ppb
Molybdenum	98-1	2.91	2.96	2.90	2.92	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.71	1.71	1.85	1.76	4.51	ppb
Phosphorus	31-2	-19.70	-23.62	-28.64	-23.99		ppb
Potassium	39-2	3992.78	3933.34	3931.72	3952.61	0.88	ppb
Rhodium	103-1				114		%
Rhodium	103-2				116		%
Scandium	45-1				115		%
Scandium	45-2				117		%
Selenium	82-1	1.06	1.33	1.18	1.19	11.54	ppb
Selenium	77-2	0.96	0.55	0.35	0.62	51.00	ppb
Selenium	78-2	0.76	1.43	1.59	1.26	34.90	ppb
Silicon	28-1	1113.73	1110.29	1116.60	1113.54	0.28	ppb
Silver	107-1	0.14	0.14	0.14	0.14	0.55	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.35	ppb
Sodium	23-2	62829.03	63166.37	63603.00	63199.47	0.61	ppb
Strontium	86-1	5276.90	5179.11	5205.82	5220.61	0.97	ppb
Strontium	88-1	6014.63	6009.93	5985.19	6003.25	0.26	ppb
Sulfur	34-1	5765.52	5634.78	5597.43	5665.91	1.56	ppb
Terbium	159-1				118		%
Terbium	159-2				115		%
Thallium	203-1	0.03	0.03	0.03	0.03	11.84	ppb
Thallium	205-1	-0.13	-0.13	-0.13	-0.13		ppb
Tin	118-1	0.15	0.16	0.13	0.15	10.84	ppb
Titanium	47-1	0.40	0.39	0.34	0.38	8.25	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02	Instrumnet Name :	P7
Client Sample ID :	SUPPLY	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:13:17	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.74	5.65	5.76	5.72	1.02	ppb
Vanadium	51-2	0.46	0.48	0.49	0.48	3.39	ppb
Yttrium	89-1				118		%
Yttrium	89-2				116		%
Zinc	66-2	5.91	6.12	6.19	6.07	2.43	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	22.11	ppb
Zirconium	91-1	0.01	0.01	0.00	0.01	42.70	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUP	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUP	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:16:29	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.88	4.19	4.05	4.04	3.74	ppb
Antimony	121-1	0.02	0.02	0.03	0.02	24.26	ppb
Arsenic	75-2	0.21	0.18	0.15	0.18	16.57	ppb
Barium	135-1	26.48	25.77	26.68	26.31	1.83	ppb
Barium	137-1	25.98	25.51	26.47	25.99	1.84	ppb
Beryllium	9-1	1.34	1.32	1.29	1.32	1.76	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.06	-0.01	0.08	130.43	ppb
Cadmium	106-1	0.65	0.04	0.82	0.50	81.74	ppb
Cadmium	111-1	0.05	0.01	0.05	0.04	66.23	ppb
Calcium	43-1	110945.00	115586.51	117535.57	114689.03	2.95	ppb
Calcium	44-1	111067.86	113265.12	115030.20	113121.06	1.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.08	0.10	0.07	48.66	ppb
Cobalt	59-2	0.36	0.39	0.36	0.37	4.26	ppb
Copper	63-2	19.29	19.03	19.24	19.19	0.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				111		%
Indium	115-1				117		%
Indium	115-2				115		%
Iron	56-2	22.90	22.76	23.19	22.95	0.95	ppb
Iron	57-2	605.28	617.78	613.23	612.10	1.03	ppb
Iron	54-2	21.63	23.57	21.50	22.23	5.23	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUP	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUP	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:16:29	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.57	0.58	0.53	0.56	5.30	ppb
Lead	207-1	0.57	0.56	0.50	0.54	6.42	ppb
Lead	208-1	0.56	0.56	0.52	0.55	4.04	ppb
Lithium	6-1				91		%
Magnesium	24-2	38663.08	38482.51	38235.06	38460.22	0.56	ppb
Manganese	55-2	5.97	6.02	6.26	6.08	2.56	ppb
Molybdenum	94-1	2.35	2.32	2.33	2.33	0.77	ppb
Molybdenum	95-1	2.84	2.89	2.68	2.80	3.97	ppb
Molybdenum	96-1	2.70	2.74	2.70	2.71	0.96	ppb
Molybdenum	97-1	2.82	2.91	2.85	2.86	1.67	ppb
Molybdenum	98-1	2.79	2.86	2.72	2.79	2.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.83	1.71	1.65	1.73	5.50	ppb
Phosphorus	31-2	-28.90	-19.52	-21.38	-23.27		ppb
Potassium	39-2	3872.39	3951.77	3971.77	3931.98	1.34	ppb
Rhodium	103-1				116		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				116		%
Selenium	82-1	1.28	1.50	0.56	1.11	44.32	ppb
Selenium	77-2	1.19	0.76	0.96	0.97	22.40	ppb
Selenium	78-2	1.94	2.20	1.71	1.95	12.58	ppb
Silicon	28-1	1077.41	1106.86	1143.51	1109.26	2.99	ppb
Silver	107-1	0.13	0.13	0.13	0.13	1.99	ppb
Silver	109-1	0.01	0.01	0.01	0.01	12.36	ppb
Sodium	23-2	63221.48	61840.65	62303.06	62455.06	1.13	ppb
Strontium	86-1	5089.95	5097.43	5075.05	5087.47	0.22	ppb
Strontium	88-1	5685.85	5731.13	5683.03	5700.00	0.47	ppb
Sulfur	34-1	5527.50	6008.73	6348.41	5961.55	6.92	ppb
Terbium	159-1				118		%
Terbium	159-2				111		%
Thallium	203-1	0.02	0.02	0.02	0.02	14.67	ppb
Thallium	205-1	-0.13	-0.13	-0.13	-0.13		ppb
Tin	118-1	0.13	0.13	0.13	0.13	2.23	ppb
Titanium	47-1	0.36	0.29	0.37	0.34	13.74	ppb

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUP	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUP	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:16:29	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.62	5.79	5.47	5.63	2.89	ppb
Vanadium	51-2	0.50	0.45	0.51	0.49	6.27	ppb
Yttrium	89-1				122		%
Yttrium	89-2				116		%
Zinc	66-2	6.27	6.04	6.28	6.20	2.16	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	51.63	ppb
Zirconium	91-1	0.01	0.01	0.00	0.00	85.25	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 14:19:41	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.15	1.01	0.84	1.00	15.41	ppb
Antimony	121-1	0.01	0.01	0.02	0.01	24.03	ppb
Arsenic	75-2	0.05	0.06	0.03	0.05	30.55	ppb
Barium	135-1	5.01	5.40	5.35	5.25	4.05	ppb
Barium	137-1	5.36	5.42	5.22	5.33	1.85	ppb
Beryllium	9-1	0.25	0.26	0.26	0.26	1.08	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	0.07	0.07	0.08	19.98	ppb
Cadmium	106-1	0.50	0.55	-0.34	0.23	214.31	ppb
Cadmium	111-1	0.03	0.03	-0.02	0.01	209.63	ppb
Calcium	43-1	20266.23	20709.36	19894.10	20289.90	2.01	ppb
Calcium	44-1	22348.94	22995.83	22887.75	22744.17	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.05	0.07	0.06	23.68	ppb
Cobalt	59-2	0.07	0.08	0.08	0.08	8.23	ppb
Copper	63-2	3.91	3.85	3.88	3.88	0.87	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				108		%
Indium	115-2				109		%
Iron	56-2	5.26	5.23	5.33	5.27	0.92	ppb
Iron	57-2	128.64	131.47	129.29	129.80	1.14	ppb
Iron	54-2	5.94	6.05	6.20	6.06	2.16	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 14:19:41	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.11	0.12	0.11	6.63	ppb
Lead	207-1	0.11	0.12	0.12	0.12	5.51	ppb
Lead	208-1	0.12	0.12	0.11	0.12	1.38	ppb
Lithium	6-1				85		%
Magnesium	24-2	7950.05	7943.58	7793.40	7895.68	1.12	ppb
Manganese	55-2	0.93	0.92	0.92	0.92	0.34	ppb
Molybdenum	94-1	0.45	0.53	0.50	0.49	8.49	ppb
Molybdenum	95-1	0.55	0.56	0.60	0.57	4.65	ppb
Molybdenum	96-1	0.57	0.54	0.55	0.56	2.63	ppb
Molybdenum	97-1	0.56	0.58	0.57	0.57	2.42	ppb
Molybdenum	98-1	0.58	0.59	0.61	0.59	2.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.39	0.37	0.38	0.38	2.18	ppb
Phosphorus	31-2	-30.74	-27.41	-28.84	-29.00		ppb
Potassium	39-2	728.60	726.82	726.48	727.30	0.16	ppb
Rhodium	103-1				109		%
Rhodium	103-2				109		%
Scandium	45-1				107		%
Scandium	45-2				107		%
Selenium	82-1	-0.06	0.24	0.66	0.28	128.43	ppb
Selenium	77-2	0.36	0.36	0.38	0.37	2.30	ppb
Selenium	78-2	2.45	1.96	1.62	2.01	20.80	ppb
Silicon	28-1	221.68	224.73	228.41	224.94	1.50	ppb
Silver	107-1	0.03	0.03	0.02	0.03	11.63	ppb
Silver	109-1	0.01	0.01	0.01	0.01	20.77	ppb
Sodium	23-2	12778.18	12654.66	12707.49	12713.44	0.49	ppb
Strontium	86-1	1011.71	1042.43	1065.49	1039.88	2.59	ppb
Strontium	88-1	1004.58	1011.69	1002.40	1006.22	0.48	ppb
Sulfur	34-1	-365.42	-167.00	-118.07	-216.83		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.02	0.02	0.02	30.05	ppb
Thallium	205-1	-0.02	-0.02	-0.02	-0.02		ppb
Tin	118-1	0.02	0.03	0.02	0.03	16.50	ppb
Titanium	47-1	0.07	0.10	0.04	0.07	38.34	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 14:19:41	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.07	1.10	1.12	1.09	1.97	ppb
Vanadium	51-2	0.09	0.08	0.11	0.09	17.78	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	1.08	1.21	1.08	1.12	6.67	ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	25.16	ppb
Zirconium	91-1	0.01	-0.02	0.00	0.00		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MS	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:22:58	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8831.83	8807.15	8959.56	8866.18	0.92	ppb
Antimony	121-1	525.71	529.38	523.54	526.21	0.56	ppb
Arsenic	75-2	34.11	34.32	34.39	34.27	0.43	ppb
Barium	135-1	2316.22	2308.61	2309.62	2311.48	0.18	ppb
Barium	137-1	2351.51	2295.82	2300.71	2316.01	1.33	ppb
Beryllium	9-1	542.69	546.82	550.87	546.79	0.75	ppb
Bismuth	209-1				121		%
Bismuth	209-2				117		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	502.92	497.65	506.46	502.34	0.88	ppb
Cadmium	106-1	516.97	522.50	522.14	520.53	0.59	ppb
Cadmium	111-1	462.72	461.31	463.21	462.42	0.21	ppb
Calcium	43-1	165482.75	164147.90	164894.95	164841.87	0.41	ppb
Calcium	44-1	166770.78	166962.63	165427.82	166387.08	0.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	507.77	517.20	515.08	513.35	0.96	ppb
Cobalt	59-2	525.39	526.14	531.62	527.72	0.64	ppb
Copper	63-2	5690.20	5693.76	5753.29	5712.42	0.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				134		%
Holmium	165-2				125		%
Indium	115-1				131		%
Indium	115-2				127		%
Iron	56-2	21774.80	22108.69	22171.27	22018.25	0.97	ppb
Iron	57-2	22860.53	22811.00	22843.09	22838.21	0.11	ppb
Iron	54-2	21711.94	22259.97	22381.26	22117.72	1.61	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MS	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:22:58	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2829.61	2738.34	2835.05	2801.00	1.94	ppb
Lead	207-1	2911.40	2897.41	2856.72	2888.51	0.98	ppb
Lead	208-1	2862.56	2828.79	2858.94	2850.10	0.65	ppb
Lithium	6-1				104		%
Magnesium	24-2	98760.05	101163.49	103135.01	101019.51	2.17	ppb
Manganese	55-2	5781.24	5930.97	5882.19	5864.80	1.30	ppb
Molybdenum	94-1	2310.84	2316.92	2414.27	2347.34	2.47	ppb
Molybdenum	95-1	1751.27	1784.67	1822.42	1786.12	1.99	ppb
Molybdenum	96-1	1827.00	1846.80	1895.59	1856.46	1.90	ppb
Molybdenum	97-1	1765.56	1783.02	1813.92	1787.50	1.37	ppb
Molybdenum	98-1	1818.83	1819.13	1845.48	1827.81	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	519.35	514.82	521.63	518.60	0.67	ppb
Phosphorus	31-2	-34.93	-36.33	-34.48	-35.25		ppb
Potassium	39-2	25818.83	25780.58	25592.19	25730.53	0.47	ppb
Rhodium	103-1				130		%
Rhodium	103-2				126		%
Scandium	45-1				132		%
Scandium	45-2				131		%
Selenium	82-1	510.12	518.30	532.69	520.37	2.20	ppb
Selenium	77-2	557.38	542.48	554.82	551.56	1.44	ppb
Selenium	78-2	528.78	516.80	518.63	521.40	1.24	ppb
Silicon	28-1	1035.20	1025.54	1027.76	1029.50	0.49	ppb
Silver	107-1	88.47	87.73	88.90	88.37	0.67	ppb
Silver	109-1	79.13	77.48	79.06	78.56	1.19	ppb
Sodium	23-2	121134.35	124783.48	125195.96	123704.60	1.81	ppb
Strontium	86-1	21039.96	20744.79	21566.45	21117.07	1.97	ppb
Strontium	88-1	20191.23	20077.24	20732.38	20333.62	1.72	ppb
Sulfur	34-1	5612.74	5410.16	5398.59	5473.83	2.20	ppb
Terbium	159-1				135		%
Terbium	159-2				127		%
Thallium	203-1	525.19	513.19	511.81	516.73	1.42	ppb
Thallium	205-1	515.18	498.93	513.59	509.24	1.76	ppb
Tin	118-1	455.80	454.91	453.96	454.89	0.20	ppb
Titanium	47-1	2.10	1.99	2.01	2.04	2.93	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MS	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:22:58	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	514.87	509.00	506.19	510.02	0.87	ppb
Vanadium	51-2	528.78	540.62	534.90	534.76	1.11	ppb
Yttrium	89-1				138		%
Yttrium	89-2				131		%
Zinc	66-2	5871.08	5884.46	5933.66	5896.40	0.56	ppb
Zirconium	90-1	496.84	505.45	504.41	502.23	0.94	ppb
Zirconium	91-1	497.57	517.92	511.83	509.11	2.05	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:40:58	DataFile Name :	053CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51753.62	52789.83	51631.05	52058.16	1.22	ppb
Antimony	121-1	509.36	520.76	530.87	520.33	2.07	ppb
Arsenic	75-2	521.30	506.21	506.61	511.37	1.68	ppb
Barium	135-1	2641.74	2608.94	2720.46	2657.05	2.16	ppb
Barium	137-1	2563.08	2610.67	2588.97	2587.57	0.92	ppb
Beryllium	9-1	534.18	546.52	540.46	540.39	1.14	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	515.82	529.22	539.42	528.15	2.24	ppb
Cadmium	106-1	526.77	538.97	547.87	537.87	1.97	ppb
Cadmium	111-1	472.57	480.35	486.81	479.91	1.49	ppb
Calcium	43-1	262089.71	264258.17	258826.34	261724.74	1.04	ppb
Calcium	44-1	257256.77	259468.97	259371.88	258699.21	0.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.56	523.26	516.05	519.95	0.70	ppb
Cobalt	59-2	518.74	523.40	515.77	519.30	0.74	ppb
Copper	63-2	5332.40	5317.42	5289.33	5313.05	0.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				107		%
Iron	56-2	131271.97	133078.74	132802.12	132384.28	0.74	ppb
Iron	57-2	130239.70	131105.81	132879.75	131408.42	1.02	ppb
Iron	54-2	129526.11	132943.28	130177.12	130882.17	1.39	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:40:58	DataFile Name :	053CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2574.17	2618.08	2635.11	2609.12	1.20	ppb
Lead	207-1	2624.44	2681.69	2633.43	2646.52	1.16	ppb
Lead	208-1	2593.79	2654.19	2638.69	2628.89	1.19	ppb
Lithium	6-1				89		%
Magnesium	24-2	264515.98	267100.55	262828.25	264814.93	0.81	ppb
Manganese	55-2	5075.52	5231.34	5148.28	5151.72	1.51	ppb
Molybdenum	94-1	4939.85	5223.62	5250.64	5138.04	3.35	ppb
Molybdenum	95-1	4935.17	5129.11	5170.18	5078.15	2.47	ppb
Molybdenum	96-1	4938.51	5133.81	5150.57	5074.30	2.32	ppb
Molybdenum	97-1	4929.51	5152.41	5166.28	5082.73	2.61	ppb
Molybdenum	98-1	5048.58	5161.29	5102.74	5104.20	1.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	511.86	512.49	506.51	510.29	0.64	ppb
Phosphorus	31-2	10355.26	10428.82	10294.75	10359.61	0.65	ppb
Potassium	39-2	129181.47	131332.17	127880.92	129464.85	1.35	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				108		%
Scandium	45-2				109		%
Selenium	82-1	472.95	486.21	490.16	483.11	1.87	ppb
Selenium	77-2	511.12	490.56	495.73	499.13	2.14	ppb
Selenium	78-2	503.36	485.32	498.98	495.89	1.90	ppb
Silicon	28-1	584.62	583.50	577.85	581.99	0.62	ppb
Silver	107-1	525.38	517.86	535.02	526.09	1.64	ppb
Silver	109-1	539.44	534.17	619.16	564.26	8.44	ppb
Sodium	23-2	251865.56	260134.22	258126.68	256708.82	1.68	ppb
Strontium	86-1	11261.22	11570.95	11772.28	11534.82	2.23	ppb
Strontium	88-1	12928.39	13235.04	13218.18	13127.21	1.31	ppb
Sulfur	34-1	8848.83	8891.85	8958.00	8899.56	0.62	ppb
Terbium	159-1				108		%
Terbium	159-2				108		%
Thallium	203-1	536.40	540.51	545.64	540.85	0.86	ppb
Thallium	205-1	521.23	528.96	536.15	528.78	1.41	ppb
Tin	118-1	512.52	529.13	531.26	524.30	1.96	ppb
Titanium	47-1	5215.86	5173.31	5210.26	5199.81	0.44	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:40:58	DataFile Name :	053CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	508.32	532.59	517.99	519.63	2.35	ppb
Vanadium	51-2	532.49	533.13	518.95	528.19	1.52	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	5206.06	5207.02	5209.46	5207.51	0.03	ppb
Zirconium	90-1	513.63	524.09	524.39	520.70	1.18	ppb
Zirconium	91-1	528.88	541.33	550.86	540.35	2.04	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:50:19	DataFile Name :	054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.35	-0.03	0.36	0.22	98.62	ppb
Antimony	121-1	0.04	0.04	0.03	0.03	12.52	ppb
Arsenic	75-2	0.01	-0.01	0.01	0.00	309.04	ppb
Barium	135-1	0.00	-0.01	-0.01	0.00		ppb
Barium	137-1	0.00	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	102.45	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	0.10	-0.01	0.02	448.12	ppb
Cadmium	106-1	-0.57	-0.53	-0.39	-0.50		ppb
Cadmium	111-1	-0.02	-0.03	-0.02	-0.02		ppb
Calcium	43-1	-1.19	-1.14	-0.13	-0.82		ppb
Calcium	44-1	51.08	59.03	57.90	56.00	7.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.10	0.02	0.05	91.63	ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00	7288.56	ppb
Copper	63-2	0.05	0.04	0.09	0.06	44.55	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				105		%
Holmium	165-2				103		%
Indium	115-1				106		%
Indium	115-2				109		%
Iron	56-2	1.24	1.13	1.15	1.17	4.94	ppb
Iron	57-2	3.14	2.98	4.74	3.62	26.82	ppb
Iron	54-2	2.88	2.11	2.80	2.60	16.22	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:50:19	DataFile Name :	054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.03	0.04	0.03	20.07	ppb
Lead	207-1	0.03	0.03	0.03	0.03	4.44	ppb
Lead	208-1	0.04	0.04	0.04	0.04	11.84	ppb
Lithium	6-1				87		%
Magnesium	24-2	0.79	0.92	1.12	0.94	17.28	ppb
Manganese	55-2	0.04	0.06	0.04	0.05	23.92	ppb
Molybdenum	94-1	0.04	0.04	0.04	0.04	7.74	ppb
Molybdenum	95-1	0.02	0.03	0.04	0.03	28.34	ppb
Molybdenum	96-1	0.06	0.04	0.02	0.04	41.03	ppb
Molybdenum	97-1	0.06	0.05	0.07	0.06	14.69	ppb
Molybdenum	98-1	0.04	0.05	0.04	0.04	14.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.02	-0.05	-0.02		ppb
Phosphorus	31-2	-34.69	-35.43	-35.48	-35.20		ppb
Potassium	39-2	26.35	23.90	26.17	25.47	5.35	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	-0.43	0.43	0.34	0.11	419.77	ppb
Selenium	77-2	0.15	0.38	0.14	0.22	61.40	ppb
Selenium	78-2	-0.16	2.51	1.20	1.18	112.62	ppb
Silicon	28-1	1.03	1.10	1.11	1.08	4.27	ppb
Silver	107-1	0.09	0.05	0.04	0.06	47.47	ppb
Silver	109-1	0.07	0.05	0.03	0.05	39.92	ppb
Sodium	23-2	49.58	44.86	47.37	47.27	5.00	ppb
Strontium	86-1	1.38	0.28	1.73	1.13	66.67	ppb
Strontium	88-1	-0.08	-0.04	0.03	-0.03		ppb
Sulfur	34-1	-1544.12	-1508.72	-1557.19	-1536.68		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.03	0.03	0.03	0.03	3.20	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	4.98	ppb
Tin	118-1	0.04	0.06	0.07	0.05	29.96	ppb
Titanium	47-1	0.02	-0.01	0.02	0.01	233.44	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:50:19	DataFile Name :	054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	9.85	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	56.86	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	-0.04	-0.11	0.05	-0.03		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	46.31	ppb
Zirconium	91-1	0.03	0.00	0.02	0.02	67.53	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSRE	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:54:32	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9617.37	9318.01	9455.59	9463.66	1.58	ppb
Antimony	121-1	528.58	532.90	527.38	529.62	0.55	ppb
Arsenic	75-2	32.66	33.61	34.33	33.53	2.49	ppb
Barium	135-1	2494.91	2492.26	2505.96	2497.71	0.29	ppb
Barium	137-1	2522.22	2493.78	2449.87	2488.62	1.46	ppb
Beryllium	9-1	530.37	543.04	543.65	539.02	1.39	ppb
Bismuth	209-1				119		%
Bismuth	209-2				118		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	494.37	504.29	498.51	499.06	1.00	ppb
Cadmium	106-1	515.80	520.32	516.48	517.53	0.47	ppb
Cadmium	111-1	462.04	463.71	454.24	460.00	1.10	ppb
Calcium	43-1	142453.41	145537.28	144953.73	144314.81	1.14	ppb
Calcium	44-1	140435.99	142881.28	144630.35	142649.21	1.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	511.48	508.89	503.17	507.85	0.84	ppb
Cobalt	59-2	505.77	514.88	533.29	517.98	2.71	ppb
Copper	63-2	4574.85	4541.09	4577.33	4564.42	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				132		%
Holmium	165-2				128		%
Indium	115-1				130		%
Indium	115-2				128		%
Iron	56-2	23245.01	23021.68	23807.19	23357.96	1.73	ppb
Iron	57-2	24171.60	23913.78	24298.75	24128.04	0.81	ppb
Iron	54-2	23853.49	23240.94	24231.57	23775.34	2.10	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSRE	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:54:32	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2211.24	2235.73	2261.61	2236.19	1.13	ppb
Lead	207-1	2250.60	2302.97	2329.91	2294.49	1.76	ppb
Lead	208-1	2233.21	2268.09	2297.44	2266.25	1.42	ppb
Lithium	6-1				107		%
Magnesium	24-2	78269.54	77508.39	78395.88	78057.94	0.62	ppb
Manganese	55-2	4533.13	4455.86	4626.35	4538.45	1.88	ppb
Molybdenum	94-1	2468.96	2423.74	2500.32	2464.34	1.56	ppb
Molybdenum	95-1	1926.90	1878.80	1937.19	1914.30	1.63	ppb
Molybdenum	96-1	1955.71	1961.86	1959.29	1958.95	0.16	ppb
Molybdenum	97-1	1889.95	1876.93	1894.43	1887.11	0.48	ppb
Molybdenum	98-1	1929.36	1903.03	1958.33	1930.24	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	504.78	507.16	518.34	510.09	1.42	ppb
Phosphorus	31-2	-41.70	-33.93	-32.69	-36.11		ppb
Potassium	39-2	26427.20	25967.90	27004.98	26466.70	1.96	ppb
Rhodium	103-1				129		%
Rhodium	103-2				127		%
Scandium	45-1				133		%
Scandium	45-2				130		%
Selenium	82-1	509.52	510.47	519.80	513.27	1.11	ppb
Selenium	77-2	516.17	549.19	538.11	534.49	3.14	ppb
Selenium	78-2	535.24	537.13	519.55	530.64	1.82	ppb
Silicon	28-1	1044.30	1056.23	1052.93	1051.16	0.59	ppb
Silver	107-1	87.09	88.23	86.14	87.15	1.20	ppb
Silver	109-1	77.50	78.00	76.09	77.20	1.29	ppb
Sodium	23-2	101460.59	99197.67	99484.05	100047.44	1.23	ppb
Strontium	86-1	21110.72	21052.12	21479.65	21214.16	1.09	ppb
Strontium	88-1	20280.80	19918.91	20294.70	20164.80	1.06	ppb
Sulfur	34-1	5052.31	5306.83	5366.69	5241.94	3.18	ppb
Terbium	159-1				132		%
Terbium	159-2				127		%
Thallium	203-1	512.00	518.97	524.63	518.53	1.22	ppb
Thallium	205-1	507.01	505.11	516.68	509.60	1.22	ppb
Tin	118-1	488.16	503.40	494.70	495.42	1.54	ppb
Titanium	47-1	1.87	2.02	1.88	1.93	4.19	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSRE	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:54:32	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	504.49	514.20	502.67	507.12	1.22	ppb
Vanadium	51-2	528.51	531.65	530.20	530.12	0.30	ppb
Yttrium	89-1				136		%
Yttrium	89-2				131		%
Zinc	66-2	4704.05	4619.24	4651.84	4658.38	0.92	ppb
Zirconium	90-1	488.46	487.60	489.78	488.61	0.23	ppb
Zirconium	91-1	506.13	491.17	503.70	500.33	1.60	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSD	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSD	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:00:49	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9484.06	9324.11	9320.93	9376.37	0.99	ppb
Antimony	121-1	547.99	540.60	546.41	545.00	0.71	ppb
Arsenic	75-2	35.19	35.28	35.08	35.18	0.28	ppb
Barium	135-1	2509.35	2464.18	2492.74	2488.76	0.92	ppb
Barium	137-1	2442.77	2418.60	2458.82	2440.06	0.83	ppb
Beryllium	9-1	557.20	567.01	552.70	558.97	1.31	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.43	508.78	506.73	506.98	0.33	ppb
Cadmium	106-1	529.87	518.06	520.59	522.84	1.19	ppb
Cadmium	111-1	470.19	464.60	474.64	469.81	1.07	ppb
Calcium	43-1	161582.74	167243.01	163836.13	164220.63	1.74	ppb
Calcium	44-1	162318.58	165237.23	164933.76	164163.19	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	525.11	520.33	533.49	526.31	1.27	ppb
Cobalt	59-2	544.72	547.11	535.57	542.47	1.12	ppb
Copper	63-2	4857.81	4773.40	4899.59	4843.60	1.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	23666.25	23300.84	23124.33	23363.81	1.18	ppb
Iron	57-2	24199.26	23849.95	24058.40	24035.87	0.73	ppb
Iron	54-2	23687.74	23466.80	23928.90	23694.48	0.98	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSD	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSD	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:00:49	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2305.29	2350.68	2354.31	2336.76	1.17	ppb
Lead	207-1	2330.76	2374.11	2398.62	2367.83	1.45	ppb
Lead	208-1	2332.93	2348.22	2405.32	2362.16	1.62	ppb
Lithium	6-1				92		%
Magnesium	24-2	100584.56	99053.86	101708.15	100448.86	1.33	ppb
Manganese	55-2	4963.25	4971.08	4897.04	4943.79	0.82	ppb
Molybdenum	94-1	2459.21	2440.48	2472.39	2457.36	0.65	ppb
Molybdenum	95-1	1908.86	1895.86	1864.23	1889.65	1.21	ppb
Molybdenum	96-1	1982.62	1923.24	1954.37	1953.41	1.52	ppb
Molybdenum	97-1	1911.52	1866.38	1905.46	1894.45	1.29	ppb
Molybdenum	98-1	1924.16	1890.78	1875.56	1896.83	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	529.75	531.37	523.86	528.33	0.75	ppb
Phosphorus	31-2	-25.78	-33.22	-29.11	-29.37		ppb
Potassium	39-2	28196.18	27662.11	27436.07	27764.79	1.41	ppb
Rhodium	103-1				113		%
Rhodium	103-2				115		%
Scandium	45-1				117		%
Scandium	45-2				116		%
Selenium	82-1	516.33	510.49	516.13	514.32	0.64	ppb
Selenium	77-2	551.28	520.23	516.14	529.22	3.63	ppb
Selenium	78-2	518.76	504.97	515.76	513.16	1.41	ppb
Silicon	28-1	1012.23	1036.36	1019.65	1022.74	1.21	ppb
Silver	107-1	90.35	89.48	90.37	90.07	0.56	ppb
Silver	109-1	79.85	79.57	79.78	79.73	0.18	ppb
Sodium	23-2	119764.37	119022.91	120199.01	119662.10	0.50	ppb
Strontium	86-1	21450.76	21133.43	21702.70	21428.96	1.33	ppb
Strontium	88-1	20801.05	20566.55	20534.70	20634.10	0.70	ppb
Sulfur	34-1	5613.33	5769.50	5433.35	5605.40	3.00	ppb
Terbium	159-1				118		%
Terbium	159-2				115		%
Thallium	203-1	524.38	534.32	527.84	528.85	0.95	ppb
Thallium	205-1	518.99	520.97	531.41	523.79	1.27	ppb
Tin	118-1	477.35	486.84	487.95	484.04	1.20	ppb
Titanium	47-1	2.16	2.18	2.09	2.15	2.11	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSD	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSD	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:00:49	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	503.66	521.80	519.87	515.11	1.93	ppb
Vanadium	51-2	544.81	544.17	553.45	547.48	0.95	ppb
Yttrium	89-1				122		%
Yttrium	89-2				117		%
Zinc	66-2	4948.15	4771.67	5022.82	4914.21	2.62	ppb
Zirconium	90-1	497.11	500.80	502.88	500.26	0.58	ppb
Zirconium	91-1	509.19	518.27	514.58	514.01	0.89	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02A	Instrumnet Name :	P7
Client Sample ID :	SUPPLYA	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:03:36	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8935.39	8783.56	8599.86	8772.93	1.92	ppb
Antimony	121-1	535.85	540.48	532.45	536.26	0.75	ppb
Arsenic	75-2	33.80	33.96	33.42	33.72	0.82	ppb
Barium	135-1	2346.41	2340.34	2375.95	2354.23	0.81	ppb
Barium	137-1	2301.93	2385.83	2360.87	2349.54	1.83	ppb
Beryllium	9-1	557.66	546.79	552.97	552.47	0.99	ppb
Bismuth	209-1				120		%
Bismuth	209-2				115		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	500.99	504.88	490.36	498.75	1.51	ppb
Cadmium	106-1	526.19	527.10	516.63	523.31	1.11	ppb
Cadmium	111-1	461.48	469.06	461.88	464.14	0.92	ppb
Calcium	43-1	173340.24	175524.38	174368.35	174410.99	0.63	ppb
Calcium	44-1	174683.69	172029.38	171212.70	172641.92	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	506.97	511.07	500.89	506.31	1.01	ppb
Cobalt	59-2	518.69	518.63	505.56	514.29	1.47	ppb
Copper	63-2	5408.72	5511.52	5511.39	5477.21	1.08	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				130		%
Holmium	165-2				125		%
Indium	115-1				128		%
Indium	115-2				125		%
Iron	56-2	21890.07	21645.23	21124.56	21553.29	1.81	ppb
Iron	57-2	22256.52	22713.75	22106.32	22358.87	1.42	ppb
Iron	54-2	22351.66	22117.23	22054.62	22174.50	0.71	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02A	Instrumnet Name :	P7
Client Sample ID :	SUPPLYA	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:03:36	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2780.00	2725.97	2691.31	2732.43	1.64	ppb
Lead	207-1	2778.25	2751.42	2709.97	2746.55	1.25	ppb
Lead	208-1	2765.47	2735.62	2695.91	2732.33	1.28	ppb
Lithium	6-1				99		%
Magnesium	24-2	109143.86	108995.97	108761.31	108967.05	0.18	ppb
Manganese	55-2	5677.69	5686.60	5606.81	5657.03	0.77	ppb
Molybdenum	94-1	2414.05	2406.95	2356.89	2392.63	1.30	ppb
Molybdenum	95-1	1854.62	1830.00	1785.79	1823.47	1.91	ppb
Molybdenum	96-1	1906.94	1916.86	1845.21	1889.67	2.05	ppb
Molybdenum	97-1	1807.55	1835.43	1799.89	1814.29	1.03	ppb
Molybdenum	98-1	1865.29	1827.96	1797.24	1830.16	1.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	508.06	507.67	497.65	504.46	1.17	ppb
Phosphorus	31-2	-36.70	-39.65	-28.81	-35.05		ppb
Potassium	39-2	25481.14	25389.36	24933.95	25268.15	1.16	ppb
Rhodium	103-1				127		%
Rhodium	103-2				125		%
Scandium	45-1				128		%
Scandium	45-2				129		%
Selenium	82-1	525.53	518.68	515.29	519.83	1.00	ppb
Selenium	77-2	537.24	526.80	541.51	535.18	1.41	ppb
Selenium	78-2	514.17	506.85	511.24	510.75	0.72	ppb
Silicon	28-1	1027.01	1034.66	1024.35	1028.68	0.52	ppb
Silver	107-1	88.15	89.87	88.33	88.79	1.07	ppb
Silver	109-1	77.81	78.94	77.67	78.14	0.89	ppb
Sodium	23-2	131989.36	130139.49	129900.81	130676.55	0.87	ppb
Strontium	86-1	21965.81	22066.75	20899.16	21643.91	2.99	ppb
Strontium	88-1	20999.39	20871.96	20338.68	20736.68	1.69	ppb
Sulfur	34-1	4919.15	5277.31	5069.87	5088.77	3.53	ppb
Terbium	159-1				131		%
Terbium	159-2				127		%
Thallium	203-1	519.97	522.63	506.93	516.51	1.63	ppb
Thallium	205-1	518.41	516.72	495.85	510.33	2.46	ppb
Tin	118-1	462.77	469.76	459.79	464.11	1.10	ppb
Titanium	47-1	2.12	2.25	2.24	2.21	3.34	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02A	Instrumnet Name :	P7
Client Sample ID :	SUPPLYA	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:03:36	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	516.08	500.38	496.08	504.18	2.09	ppb
Vanadium	51-2	527.98	535.08	537.74	533.60	0.94	ppb
Yttrium	89-1				134		%
Yttrium	89-2				128		%
Zinc	66-2	5652.62	5674.72	5725.71	5684.35	0.66	ppb
Zirconium	90-1	508.99	510.08	487.63	502.23	2.52	ppb
Zirconium	91-1	528.89	510.73	508.28	515.97	2.18	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03	Instrumnet Name :	P7
Client Sample ID :	MW25	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:06:21	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15884.13	15414.83	16133.87	15810.94	2.31	ppb
Antimony	121-1	5.86	6.54	6.88	6.42	8.09	ppb
Arsenic	75-2	103.63	100.11	101.51	101.75	1.75	ppb
Barium	135-1	368.41	370.77	372.95	370.71	0.61	ppb
Barium	137-1	368.04	365.81	367.73	367.19	0.33	ppb
Beryllium	9-1	2.22	2.31	2.29	2.27	1.94	ppb
Bismuth	209-1				80		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	80.83	80.31	80.91	80.68	0.40	ppb
Cadmium	106-1	82.00	83.65	85.52	83.73	2.10	ppb
Cadmium	111-1	78.57	77.98	79.88	78.81	1.23	ppb
Calcium	43-1	181892.76	178882.75	177516.84	179430.78	1.25	ppb
Calcium	44-1	179679.10	178746.58	177237.95	178554.54	0.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44.37	43.21	44.82	44.13	1.89	ppb
Cobalt	59-2	16.66	16.56	16.79	16.67	0.69	ppb
Copper	63-2	196.84	185.29	191.53	191.22	3.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				106		%
Iron	56-2	77426.53	74971.56	78594.64	76997.58	2.40	ppb
Iron	57-2	79142.35	75701.14	79953.50	78265.67	2.88	ppb
Iron	54-2	78810.47	75984.96	78406.81	77734.08	1.97	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03	Instrumnet Name :	P7
Client Sample ID :	MW25	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:06:21	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	43.51	43.36	44.19	43.69	1.01	ppb
Lead	207-1	39.00	40.11	40.06	39.72	1.58	ppb
Lead	208-1	41.21	41.43	42.17	41.60	1.20	ppb
Lithium	6-1				65		%
Magnesium	24-2	30623.13	30084.89	31081.61	30596.54	1.63	ppb
Manganese	55-2	3278.87	3183.67	3296.70	3253.08	1.87	ppb
Molybdenum	94-1	40.50	41.88	41.27	41.22	1.67	ppb
Molybdenum	95-1	43.00	44.17	44.30	43.82	1.63	ppb
Molybdenum	96-1	43.31	44.81	44.74	44.29	1.91	ppb
Molybdenum	97-1	43.72	44.43	45.20	44.45	1.66	ppb
Molybdenum	98-1	43.42	44.41	44.58	44.14	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.40	43.79	44.85	44.35	1.20	ppb
Phosphorus	31-2	1199.51	1220.43	1206.77	1208.90	0.88	ppb
Potassium	39-2	25578.47	25035.71	26177.90	25597.36	2.23	ppb
Rhodium	103-1				94		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				114		%
Selenium	82-1	0.68	0.64	-0.48	0.28	235.13	ppb
Selenium	77-2	10.97	10.65	8.87	10.16	11.14	ppb
Selenium	78-2	5.02	5.08	5.75	5.28	7.64	ppb
Silicon	28-1	2812.64	2677.47	2667.84	2719.32	2.98	ppb
Silver	107-1	1.23	1.20	1.22	1.21	1.10	ppb
Silver	109-1	1.12	1.11	1.08	1.11	1.75	ppb
Sodium	23-2	4319530.07	4121917.22	4343374.59	4261607.29	2.85	ppb
Strontium	86-1	22920.33	23706.19	23075.10	23233.87	1.79	ppb
Strontium	88-1	22299.17	22529.58	22412.37	22413.71	0.51	ppb
Sulfur	34-1	130221.35	129403.45	125943.19	128522.66	1.77	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	1.10	1.07	1.06	1.08	2.13	ppb
Thallium	205-1	0.94	0.86	0.83	0.88	6.51	ppb
Tin	118-1	5.77	6.05	6.37	6.06	4.98	ppb
Titanium	47-1	879.35	863.21	861.18	867.91	1.15	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03	Instrumnet Name :	P7
Client Sample ID :	MW25	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:06:21	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.34	6.34	6.30	6.33	0.35	ppb
Vanadium	51-2	50.34	49.79	50.86	50.33	1.06	ppb
Yttrium	89-1				113		%
Yttrium	89-2				116		%
Zinc	66-2	2696.60	2632.97	2783.90	2704.49	2.80	ppb
Zirconium	90-1	2.96	3.04	3.06	3.02	1.79	ppb
Zirconium	91-1	3.13	3.22	3.12	3.16	1.66	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-04	Instrumnet Name :	P7
Client Sample ID :	MW1	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:09:28	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1324.58	1334.91	1333.04	1330.84	0.41	ppb
Antimony	121-1	0.32	0.33	0.30	0.32	5.31	ppb
Arsenic	75-2	2.11	2.21	2.17	2.16	2.51	ppb
Barium	135-1	95.75	94.39	94.79	94.98	0.74	ppb
Barium	137-1	93.95	93.78	94.95	94.23	0.67	ppb
Beryllium	9-1	0.23	0.21	0.20	0.21	7.29	ppb
Bismuth	209-1				101		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.56	0.58	0.76	0.63	17.56	ppb
Cadmium	106-1	2.80	1.66	2.46	2.31	25.54	ppb
Cadmium	111-1	0.67	0.66	0.69	0.67	1.89	ppb
Calcium	43-1	72692.09	73880.89	72598.76	73057.25	0.98	ppb
Calcium	44-1	73811.07	74009.86	73511.82	73777.58	0.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.88	4.04	3.91	3.94	2.13	ppb
Cobalt	59-2	3.35	3.39	3.35	3.36	0.63	ppb
Copper	63-2	8.67	8.79	8.47	8.64	1.89	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				114		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				117		%
Iron	56-2	4738.29	4663.84	4633.38	4678.50	1.15	ppb
Iron	57-2	4525.94	4534.72	4534.91	4531.86	0.11	ppb
Iron	54-2	4196.83	4200.37	4189.92	4195.71	0.13	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-04	Instrumnet Name :	P7
Client Sample ID :	MW1	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:09:28	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.64	2.68	2.65	2.66	0.64	ppb
Lead	207-1	2.48	2.40	2.46	2.45	1.62	ppb
Lead	208-1	2.56	2.53	2.55	2.55	0.64	ppb
Lithium	6-1				84		%
Magnesium	24-2	15264.87	15116.90	15041.80	15141.19	0.75	ppb
Manganese	55-2	1831.88	1805.10	1818.09	1818.36	0.74	ppb
Molybdenum	94-1	1.13	1.13	1.19	1.15	3.16	ppb
Molybdenum	95-1	0.86	0.78	0.83	0.82	5.24	ppb
Molybdenum	96-1	0.85	0.86	0.87	0.86	1.37	ppb
Molybdenum	97-1	0.84	0.87	0.91	0.88	3.93	ppb
Molybdenum	98-1	0.86	0.82	0.83	0.84	2.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.53	6.52	6.44	6.49	0.76	ppb
Phosphorus	31-2	149.83	145.43	151.92	149.06	2.22	ppb
Potassium	39-2	4439.53	4262.32	4307.42	4336.43	2.12	ppb
Rhodium	103-1				113		%
Rhodium	103-2				115		%
Scandium	45-1				115		%
Scandium	45-2				119		%
Selenium	82-1	0.57	0.70	1.01	0.76	30.07	ppb
Selenium	77-2	2.53	6.20	4.61	4.44	41.41	ppb
Selenium	78-2	1.54	2.16	1.68	1.80	18.11	ppb
Silicon	28-1	728.38	730.31	714.86	724.52	1.16	ppb
Silver	107-1	0.11	0.11	0.11	0.11	3.40	ppb
Silver	109-1	0.09	0.09	0.11	0.10	9.16	ppb
Sodium	23-2	457353.89	459303.31	449632.35	455429.85	1.12	ppb
Strontium	86-1	4750.55	4668.68	4723.51	4714.25	0.88	ppb
Strontium	88-1	5283.95	5318.08	5383.67	5328.57	0.95	ppb
Sulfur	34-1	6199.62	6465.82	6211.59	6292.34	2.39	ppb
Terbium	159-1				114		%
Terbium	159-2				114		%
Thallium	203-1	0.18	0.15	0.17	0.17	8.50	ppb
Thallium	205-1	0.16	0.15	0.13	0.15	7.92	ppb
Tin	118-1	1.18	1.12	1.09	1.13	4.01	ppb
Titanium	47-1	54.65	54.70	53.28	54.21	1.49	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-04	Instrumnet Name :	P7
Client Sample ID :	MW1	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:09:28	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.42	0.43	0.42	0.42	1.25	ppb
Vanadium	51-2	3.08	3.07	3.12	3.09	0.93	ppb
Yttrium	89-1				123		%
Yttrium	89-2				121		%
Zinc	66-2	29.05	28.44	28.26	28.58	1.44	ppb
Zirconium	90-1	0.25	0.26	0.25	0.26	2.05	ppb
Zirconium	91-1	0.24	0.27	0.29	0.26	10.14	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:16:45	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.91	0.93	1.29	1.04	20.37	ppb
Antimony	121-1	0.03	0.03	0.02	0.02	13.70	ppb
Arsenic	75-2	0.03	0.05	0.06	0.05	33.20	ppb
Barium	135-1	5.12	4.90	5.34	5.12	4.33	ppb
Barium	137-1	5.13	5.10	5.13	5.12	0.34	ppb
Beryllium	9-1	0.25	0.26	0.24	0.25	2.22	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.01	0.04	0.01	198.53	ppb
Cadmium	106-1	-0.44	-1.21	-1.11	-0.92		ppb
Cadmium	111-1	-0.02	-0.06	-0.06	-0.05		ppb
Calcium	43-1	19552.28	19726.02	19520.72	19599.67	0.56	ppb
Calcium	44-1	22302.52	22349.93	22486.41	22379.62	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.11	0.08	0.07	0.09	24.42	ppb
Cobalt	59-2	0.08	0.07	0.08	0.08	5.15	ppb
Copper	63-2	4.21	4.16	4.17	4.18	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				109		%
Holmium	165-2				106		%
Indium	115-1				113		%
Indium	115-2				112		%
Iron	56-2	5.22	5.32	5.27	5.27	1.00	ppb
Iron	57-2	130.27	129.17	134.31	131.25	2.06	ppb
Iron	54-2	7.90	6.16	6.88	6.98	12.51	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:16:45	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.14	0.17	0.17	0.16	9.20	ppb
Lead	207-1	0.17	0.15	0.14	0.16	9.71	ppb
Lead	208-1	0.15	0.16	0.15	0.15	5.55	ppb
Lithium	6-1				87		%
Magnesium	24-2	7854.27	7794.95	7880.26	7843.16	0.56	ppb
Manganese	55-2	1.02	0.98	1.01	1.00	1.76	ppb
Molybdenum	94-1	0.43	0.47	0.47	0.46	5.19	ppb
Molybdenum	95-1	0.60	0.58	0.61	0.60	2.73	ppb
Molybdenum	96-1	0.50	0.58	0.54	0.54	7.68	ppb
Molybdenum	97-1	0.56	0.59	0.58	0.58	3.06	ppb
Molybdenum	98-1	0.58	0.59	0.55	0.57	3.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.32	0.27	0.38	0.32	16.72	ppb
Phosphorus	31-2	-32.17	-33.39	-38.44	-34.67		ppb
Potassium	39-2	738.95	727.87	742.82	736.55	1.05	ppb
Rhodium	103-1				111		%
Rhodium	103-2				111		%
Scandium	45-1				112		%
Scandium	45-2				111		%
Selenium	82-1	0.40	-0.01	0.32	0.24	91.86	ppb
Selenium	77-2	-0.08	-0.08	0.14	-0.01		ppb
Selenium	78-2	2.45	3.21	2.77	2.81	13.59	ppb
Silicon	28-1	226.09	227.66	224.35	226.03	0.73	ppb
Silver	107-1	0.04	0.04	0.05	0.04	6.97	ppb
Silver	109-1	0.03	0.02	0.02	0.02	19.92	ppb
Sodium	23-2	12784.74	12717.03	12745.88	12749.22	0.27	ppb
Strontium	86-1	1036.13	1061.86	1012.79	1036.93	2.37	ppb
Strontium	88-1	972.59	1005.18	954.93	977.57	2.61	ppb
Sulfur	34-1	22.70	228.01	54.58	101.76	108.58	ppb
Terbium	159-1				112		%
Terbium	159-2				108		%
Thallium	203-1	0.06	0.08	0.05	0.06	26.43	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	15.30	ppb
Tin	118-1	0.23	0.14	0.14	0.17	30.62	ppb
Titanium	47-1	0.14	0.09	0.14	0.12	23.17	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:16:45	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.06	1.13	1.08	1.09	3.23	ppb
Vanadium	51-2	0.09	0.09	0.08	0.09	9.53	ppb
Yttrium	89-1				113		%
Yttrium	89-2				111		%
Zinc	66-2	1.71	1.47	1.62	1.60	7.36	ppb
Zirconium	90-1	0.01	0.02	0.01	0.01	15.44	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	41.32	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:19:59	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23.74	0.94	1.56	8.75	148.47	ppb
Antimony	121-1	0.01	0.07	0.05	0.04	75.37	ppb
Arsenic	75-2	0.31	0.06	0.02	0.13	124.29	ppb
Barium	135-1	5.22	5.32	7.96	6.17	25.20	ppb
Barium	137-1	5.30	8.38	5.47	6.38	27.11	ppb
Beryllium	9-1	0.24	0.40	0.27	0.31	28.25	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.12	0.10	0.10	25.44	ppb
Cadmium	106-1	1.08	3.89	0.90	1.96	85.68	ppb
Cadmium	111-1	0.06	0.32	0.10	0.16	85.01	ppb
Calcium	43-1	20452.29	20653.29	21009.93	20705.17	1.36	ppb
Calcium	44-1	22676.28	22881.38	22992.77	22850.14	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.26	0.07	0.05	0.13	89.87	ppb
Cobalt	59-2	0.35	0.06	0.08	0.17	98.10	ppb
Copper	63-2	6.45	4.31	4.28	5.01	24.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				109		%
Indium	115-2				109		%
Iron	56-2	69.79	5.50	5.27	26.85	138.48	ppb
Iron	57-2	187.71	132.16	138.91	152.93	19.82	ppb
Iron	54-2	67.58	6.71	7.77	27.35	127.37	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:19:59	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.15	6.00	0.34	2.16	153.60	ppb
Lead	207-1	0.16	3.08	0.32	1.18	138.78	ppb
Lead	208-1	0.16	2.42	0.30	0.96	131.96	ppb
Lithium	6-1				89		%
Magnesium	24-2	8190.52	8224.48	8015.66	8143.55	1.38	ppb
Manganese	55-2	3.71	1.28	1.27	2.09	67.07	ppb
Molybdenum	94-1	0.42	10.43	6.68	5.84	86.49	ppb
Molybdenum	95-1	0.53	8.95	7.83	5.77	79.18	ppb
Molybdenum	96-1	0.55	1.22	0.81	0.86	38.98	ppb
Molybdenum	97-1	0.60	1.81	0.80	1.07	60.78	ppb
Molybdenum	98-1	0.54	6.38	0.77	2.56	128.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.72	0.36	0.34	0.47	44.82	ppb
Phosphorus	31-2	-9.08	-37.96	-25.22	-24.09		ppb
Potassium	39-2	801.35	745.66	756.18	767.73	3.85	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				109		%
Scandium	45-2				109		%
Selenium	82-1	0.22	0.25	1.15	0.54	98.33	ppb
Selenium	77-2	0.36	0.37	-0.08	0.22	119.25	ppb
Selenium	78-2	2.18	0.87	1.13	1.39	49.42	ppb
Silicon	28-1	229.01	233.38	224.88	229.09	1.86	ppb
Silver	107-1	0.03	0.05	0.03	0.04	25.44	ppb
Silver	109-1	0.02	0.01	0.02	0.02	25.40	ppb
Sodium	23-2	13295.61	13228.12	13433.79	13319.18	0.79	ppb
Strontium	86-1	999.63	1068.68	1038.94	1035.75	3.34	ppb
Strontium	88-1	996.30	1015.52	1027.31	1013.04	1.54	ppb
Sulfur	34-1	413.64	379.00	187.55	326.73	37.27	ppb
Terbium	159-1				109		%
Terbium	159-2				105		%
Thallium	203-1	0.04	0.12	0.14	0.10	51.15	ppb
Thallium	205-1	0.02	0.08	0.07	0.05	62.74	ppb
Tin	118-1	0.11	1.24	0.16	0.50	127.41	ppb
Titanium	47-1	0.08	0.40	0.25	0.24	65.27	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:19:59	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.07	1.56	1.10	1.24	22.06	ppb
Vanadium	51-2	0.32	0.10	0.10	0.17	74.34	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	4.04	1.73	2.05	2.61	47.94	ppb
Zirconium	90-1	0.01	0.06	0.02	0.03	81.20	ppb
Zirconium	91-1	0.02	0.06	0.03	0.03	72.63	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	SUPPLYLDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 15:23:14	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.19	3.83	14.43	6.48	108.08	ppb
Antimony	121-1	0.01	0.00	0.08	0.03	135.14	ppb
Arsenic	75-2	0.02	0.04	0.15	0.07	101.49	ppb
Barium	135-1	1.08	1.04	1.63	1.25	26.26	ppb
Barium	137-1	1.05	1.10	1.63	1.26	25.60	ppb
Beryllium	9-1	0.04	0.04	1.02	0.37	153.73	ppb
Bismuth	209-1				97		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	0.05	0.19	0.08	108.26	ppb
Cadmium	106-1	2.16	1.37	1.33	1.62	28.88	ppb
Cadmium	111-1	0.13	0.09	0.22	0.15	44.29	ppb
Calcium	43-1	4089.75	4176.29	4127.94	4131.33	1.05	ppb
Calcium	44-1	4667.10	4805.24	4731.47	4734.60	1.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.07	0.77	0.29	139.25	ppb
Cobalt	59-2	0.01	0.05	0.16	0.08	104.02	ppb
Copper	63-2	1.09	1.37	6.28	2.91	100.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				109		%
Iron	56-2	3.31	8.79	32.88	15.00	104.90	ppb
Iron	57-2	28.95	36.70	200.61	88.75	109.24	ppb
Iron	54-2	3.84	9.64	38.49	17.32	107.12	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	SUPPLYLDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 15:23:14	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.09	0.06	0.46	0.20	110.00	ppb
Lead	207-1	0.06	0.07	0.26	0.13	86.98	ppb
Lead	208-1	0.07	0.06	0.33	0.15	99.77	ppb
Lithium	6-1				91		%
Magnesium	24-2	1378.86	1390.29	1414.83	1394.66	1.32	ppb
Manganese	55-2	0.34	0.72	2.01	1.02	85.30	ppb
Molybdenum	94-1	0.11	0.10	22.44	7.55	170.71	ppb
Molybdenum	95-1	0.10	0.13	0.96	0.40	122.95	ppb
Molybdenum	96-1	0.12	0.13	0.95	0.40	120.18	ppb
Molybdenum	97-1	0.13	0.15	1.49	0.59	131.82	ppb
Molybdenum	98-1	0.11	0.13	1.43	0.56	135.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.12	0.21	0.14	40.51	ppb
Phosphorus	31-2	-37.93	-40.47	-14.92	-31.11		ppb
Potassium	39-2	180.18	179.62	349.53	236.44	41.42	ppb
Rhodium	103-1				106		%
Rhodium	103-2				110		%
Scandium	45-1				107		%
Scandium	45-2				109		%
Selenium	82-1	0.14	-0.78	0.85	0.07	1122.33	ppb
Selenium	77-2	0.14	-0.08	1.92	0.66	166.56	ppb
Selenium	78-2	1.26	3.11	1.62	1.99	49.29	ppb
Silicon	28-1	53.10	54.24	54.06	53.80	1.14	ppb
Silver	107-1	0.01	0.02	0.02	0.02	28.96	ppb
Silver	109-1	0.01	0.01	0.01	0.01	10.15	ppb
Sodium	23-2	2744.79	2854.87	2848.76	2816.14	2.20	ppb
Strontium	86-1	203.53	206.85	206.51	205.63	0.89	ppb
Strontium	88-1	198.98	200.87	220.51	206.79	5.77	ppb
Sulfur	34-1	-750.99	-594.62	-750.37	-698.66		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.04	0.04	0.11	0.06	67.57	ppb
Thallium	205-1	0.03	0.03	0.11	0.06	82.87	ppb
Tin	118-1	0.09	0.06	0.15	0.10	48.23	ppb
Titanium	47-1	-0.01	0.03	0.28	0.10	154.56	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	SUPPLYLDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 15:23:14	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.22	0.30	0.24	21.46	ppb
Vanadium	51-2	0.02	0.06	1.06	0.38	156.07	ppb
Yttrium	89-1				109		%
Yttrium	89-2				109		%
Zinc	66-2	0.38	0.48	1.81	0.89	89.87	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	46.53	ppb
Zirconium	91-1	-0.01	0.00	0.02	0.00	423.79	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:26:28	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1583.74	1594.45	1574.76	1584.32	0.62	ppb
Antimony	121-1	90.92	92.27	91.63	91.60	0.74	ppb
Arsenic	75-2	6.07	6.00	6.09	6.05	0.70	ppb
Barium	135-1	396.41	400.88	400.70	399.33	0.63	ppb
Barium	137-1	392.70	400.45	397.68	396.95	0.99	ppb
Beryllium	9-1	108.89	107.97	107.96	108.27	0.49	ppb
Bismuth	209-1				97		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	105.08	105.34	102.98	104.47	1.24	ppb
Cadmium	106-1	106.05	107.10	104.07	105.74	1.46	ppb
Cadmium	111-1	95.02	96.15	97.19	96.12	1.13	ppb
Calcium	43-1	26153.90	26424.97	26251.90	26276.92	0.52	ppb
Calcium	44-1	29275.43	29559.10	29211.16	29348.56	0.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	89.69	90.20	89.89	89.93	0.28	ppb
Cobalt	59-2	92.38	92.53	92.79	92.57	0.22	ppb
Copper	63-2	1102.31	1104.48	1100.06	1102.28	0.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				107		%
Indium	115-2				110		%
Iron	56-2	4549.88	4543.75	4561.11	4551.58	0.19	ppb
Iron	57-2	4214.66	4179.36	4233.40	4209.14	0.65	ppb
Iron	54-2	4162.66	4123.85	4189.37	4158.62	0.79	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:26:28	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	531.44	535.08	554.37	540.30	2.28	ppb
Lead	207-1	562.41	546.83	566.02	558.42	1.83	ppb
Lead	208-1	544.82	544.96	552.09	547.29	0.76	ppb
Lithium	6-1				91		%
Magnesium	24-2	15843.12	15812.43	15739.66	15798.41	0.34	ppb
Manganese	55-2	1107.49	1116.33	1108.30	1110.71	0.44	ppb
Molybdenum	94-1	398.69	413.78	412.29	408.25	2.04	ppb
Molybdenum	95-1	303.12	312.05	313.70	309.62	1.84	ppb
Molybdenum	96-1	360.57	375.98	380.10	372.22	2.76	ppb
Molybdenum	97-1	306.54	316.52	319.23	314.10	2.13	ppb
Molybdenum	98-1	352.68	372.63	369.20	364.84	2.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.19	102.01	102.44	102.21	0.21	ppb
Phosphorus	31-2	-37.06	-33.52	-33.24	-34.61		ppb
Potassium	39-2	5354.52	5212.68	5196.93	5254.71	1.65	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				109		%
Scandium	45-2				111		%
Selenium	82-1	101.52	105.31	103.64	103.49	1.84	ppb
Selenium	77-2	104.11	92.79	100.98	99.29	5.89	ppb
Selenium	78-2	106.10	99.96	107.41	104.49	3.80	ppb
Silicon	28-1	220.37	221.27	219.69	220.44	0.36	ppb
Silver	107-1	17.67	18.20	18.18	18.02	1.68	ppb
Silver	109-1	15.80	16.15	16.16	16.04	1.28	ppb
Sodium	23-2	20933.26	20987.30	20940.12	20953.56	0.14	ppb
Strontium	86-1	3596.46	3721.68	3722.94	3680.36	1.97	ppb
Strontium	88-1	4098.76	4168.41	4201.48	4156.21	1.26	ppb
Sulfur	34-1	639.39	728.75	600.52	656.22	10.02	ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	84.77	84.67	87.22	85.55	1.69	ppb
Thallium	205-1	82.43	83.13	85.05	83.54	1.63	ppb
Tin	118-1	79.89	80.41	80.78	80.36	0.56	ppb
Titanium	47-1	0.42	0.43	0.50	0.45	9.70	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:26:28	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	102.23	98.92	102.05	101.07	1.84	ppb
Vanadium	51-2	92.56	93.51	93.15	93.07	0.52	ppb
Yttrium	89-1				111		%
Yttrium	89-2				110		%
Zinc	66-2	992.42	983.36	984.40	986.73	0.50	ppb
Zirconium	90-1	83.70	87.24	86.76	85.90	2.23	ppb
Zirconium	91-1	86.15	88.83	89.71	88.23	2.10	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:29:34	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1593.18	1596.98	1604.64	1598.27	0.37	ppb
Antimony	121-1	93.26	93.09	94.40	93.59	0.76	ppb
Arsenic	75-2	6.02	6.06	6.12	6.07	0.81	ppb
Barium	135-1	406.75	408.50	405.83	407.03	0.33	ppb
Barium	137-1	405.02	400.37	406.73	404.04	0.81	ppb
Beryllium	9-1	106.89	108.41	108.54	107.94	0.85	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	105.13	103.90	108.11	105.71	2.05	ppb
Cadmium	106-1	109.10	113.81	111.78	111.57	2.12	ppb
Cadmium	111-1	96.68	98.99	96.40	97.36	1.46	ppb
Calcium	43-1	26277.84	25948.00	26158.54	26128.13	0.64	ppb
Calcium	44-1	28863.36	29451.51	29315.78	29210.22	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	90.77	91.50	90.93	91.07	0.42	ppb
Cobalt	59-2	91.73	93.17	92.98	92.63	0.84	ppb
Copper	63-2	1103.52	1122.52	1121.59	1115.88	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				108		%
Iron	56-2	4558.48	4628.43	4587.43	4591.45	0.77	ppb
Iron	57-2	4218.84	4252.69	4257.47	4243.00	0.50	ppb
Iron	54-2	4130.19	4202.30	4202.73	4178.41	1.00	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:29:34	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	542.15	530.43	522.66	531.75	1.85	ppb
Lead	207-1	549.69	548.03	538.20	545.31	1.14	ppb
Lead	208-1	547.62	540.15	528.32	538.70	1.81	ppb
Lithium	6-1				91		%
Magnesium	24-2	16217.64	15910.92	15839.72	15989.43	1.26	ppb
Manganese	55-2	1114.79	1135.38	1106.62	1118.93	1.32	ppb
Molybdenum	94-1	405.94	404.44	417.92	409.44	1.80	ppb
Molybdenum	95-1	307.66	310.44	317.00	311.70	1.54	ppb
Molybdenum	96-1	368.25	375.67	384.44	376.12	2.16	ppb
Molybdenum	97-1	311.93	315.42	320.94	316.10	1.44	ppb
Molybdenum	98-1	357.50	366.15	372.00	365.22	2.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.24	102.67	102.97	102.63	0.36	ppb
Phosphorus	31-2	-29.36	-26.38	-41.46	-32.40		ppb
Potassium	39-2	5304.80	5315.80	5309.74	5310.12	0.10	ppb
Rhodium	103-1				108		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				109		%
Selenium	82-1	102.02	101.92	107.57	103.84	3.11	ppb
Selenium	77-2	114.46	113.04	110.96	112.82	1.56	ppb
Selenium	78-2	110.58	106.26	108.07	108.31	2.00	ppb
Silicon	28-1	215.43	215.86	224.99	218.76	2.47	ppb
Silver	107-1	18.39	18.56	18.67	18.54	0.77	ppb
Silver	109-1	15.96	16.33	16.29	16.20	1.27	ppb
Sodium	23-2	20936.39	20963.79	21303.10	21067.76	0.97	ppb
Strontium	86-1	3628.09	3641.04	3754.62	3674.58	1.89	ppb
Strontium	88-1	4114.55	4035.10	4204.92	4118.19	2.06	ppb
Sulfur	34-1	632.83	608.73	650.17	630.57	3.30	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	87.09	83.61	84.38	85.03	2.15	ppb
Thallium	205-1	83.17	80.75	82.03	81.98	1.48	ppb
Tin	118-1	81.12	81.33	81.52	81.32	0.24	ppb
Titanium	47-1	0.80	2.39	0.45	1.21	85.01	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:29:34	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	100.74	99.64	96.26	98.88	2.36	ppb
Vanadium	51-2	93.44	93.87	93.89	93.73	0.27	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	986.83	997.20	993.88	992.64	0.53	ppb
Zirconium	90-1	84.23	85.04	87.22	85.50	1.81	ppb
Zirconium	91-1	87.10	88.01	90.83	88.65	2.19	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:45:17	DataFile Name :	066CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52966.49	52183.93	51977.11	52375.84	1.00	ppb
Antimony	121-1	534.70	550.24	545.57	543.50	1.47	ppb
Arsenic	75-2	518.36	510.28	513.34	513.99	0.79	ppb
Barium	135-1	2692.61	2725.56	2782.71	2733.63	1.67	ppb
Barium	137-1	2635.78	2709.79	2735.90	2693.82	1.93	ppb
Beryllium	9-1	549.80	551.26	548.20	549.75	0.28	ppb
Bismuth	209-1				91		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	542.34	557.89	577.95	559.40	3.19	ppb
Cadmium	106-1	555.11	571.69	590.38	572.39	3.08	ppb
Cadmium	111-1	488.72	500.50	506.87	498.70	1.85	ppb
Calcium	43-1	257683.11	261463.29	258532.84	259226.42	0.77	ppb
Calcium	44-1	258901.04	263234.59	263425.48	261853.70	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	532.11	524.09	511.47	522.56	1.99	ppb
Cobalt	59-2	538.32	523.65	518.47	526.81	1.95	ppb
Copper	63-2	5329.91	5341.63	5161.33	5277.62	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				102		%
Holmium	165-2				107		%
Indium	115-1				102		%
Indium	115-2				108		%
Iron	56-2	132347.13	135120.22	130928.47	132798.61	1.61	ppb
Iron	57-2	132358.98	130175.68	130391.58	130975.41	0.92	ppb
Iron	54-2	133378.59	132076.31	130127.49	131860.80	1.24	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:45:17	DataFile Name :	066CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2639.07	2735.18	2685.47	2686.57	1.79	ppb
Lead	207-1	2660.57	2732.59	2680.57	2691.25	1.38	ppb
Lead	208-1	2641.16	2732.22	2655.59	2676.32	1.83	ppb
Lithium	6-1				88		%
Magnesium	24-2	272484.60	267855.55	260062.71	266800.95	2.35	ppb
Manganese	55-2	5228.74	5302.95	5163.88	5231.86	1.33	ppb
Molybdenum	94-1	5193.37	5244.14	5184.17	5207.23	0.62	ppb
Molybdenum	95-1	5154.88	5219.99	5185.10	5186.66	0.63	ppb
Molybdenum	96-1	5099.95	5129.97	5229.30	5153.07	1.31	ppb
Molybdenum	97-1	5011.23	5158.09	5160.13	5109.82	1.67	ppb
Molybdenum	98-1	5047.70	5195.63	5174.05	5139.13	1.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	520.22	512.34	502.98	511.85	1.69	ppb
Phosphorus	31-2	10539.17	10382.00	10377.44	10432.87	0.88	ppb
Potassium	39-2	132582.80	130881.42	126978.12	130147.45	2.21	ppb
Rhodium	103-1				101		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				112		%
Selenium	82-1	492.35	485.52	488.49	488.79	0.70	ppb
Selenium	77-2	515.45	525.58	501.28	514.11	2.37	ppb
Selenium	78-2	501.53	490.83	501.54	497.97	1.24	ppb
Silicon	28-1	593.39	595.11	602.71	597.07	0.83	ppb
Silver	107-1	545.29	460.72	623.32	543.11	14.97	ppb
Silver	109-1	601.26	540.25	479.04	540.19	11.31	ppb
Sodium	23-2	260596.18	254992.58	254726.44	256771.74	1.29	ppb
Strontium	86-1	11618.74	11681.07	11715.09	11671.63	0.42	ppb
Strontium	88-1	13174.27	13227.89	13130.11	13177.42	0.37	ppb
Sulfur	34-1	9355.05	9666.28	9679.45	9566.93	1.92	ppb
Terbium	159-1				104		%
Terbium	159-2				107		%
Thallium	203-1	539.27	550.49	544.73	544.83	1.03	ppb
Thallium	205-1	534.45	553.42	544.63	544.17	1.74	ppb
Tin	118-1	545.99	554.79	560.23	553.67	1.30	ppb
Titanium	47-1	5157.06	5254.05	5282.67	5231.26	1.26	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:45:17	DataFile Name :	066CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	524.21	532.85	530.41	529.16	0.84	ppb
Vanadium	51-2	542.94	531.84	517.70	530.82	2.38	ppb
Yttrium	89-1				110		%
Yttrium	89-2				112		%
Zinc	66-2	5250.77	5203.76	5178.63	5211.05	0.70	ppb
Zirconium	90-1	524.85	530.27	526.03	527.05	0.54	ppb
Zirconium	91-1	543.96	541.05	549.69	544.90	0.81	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:54:19	DataFile Name :	067CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.47	-0.07	0.53	0.31	107.45	ppb
Antimony	121-1	0.05	0.04	0.03	0.04	16.70	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00		ppb
Barium	135-1	0.01	0.00	0.01	0.01	63.06	ppb
Barium	137-1	0.01	0.01	0.00	0.00	39.88	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	175.88	ppb
Bismuth	209-1				94		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.08	0.05	0.07	25.93	ppb
Cadmium	106-1	0.58	0.24	0.06	0.30	88.72	ppb
Cadmium	111-1	0.04	0.02	0.02	0.02	56.58	ppb
Calcium	43-1	1.58	2.70	3.45	2.57	36.60	ppb
Calcium	44-1	48.85	57.42	55.88	54.05	8.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.04	0.03	0.03	50.52	ppb
Cobalt	59-2	0.00	-0.01	0.00	0.00		ppb
Copper	63-2	0.16	0.11	0.18	0.15	22.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				110		%
Iron	56-2	1.23	1.45	1.24	1.31	9.64	ppb
Iron	57-2	4.08	3.81	4.72	4.20	11.19	ppb
Iron	54-2	2.92	3.66	3.75	3.44	13.20	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:54:19	DataFile Name :	067CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.07	0.04	0.06	25.06	ppb
Lead	207-1	0.05	0.06	0.05	0.05	14.92	ppb
Lead	208-1	0.05	0.06	0.05	0.05	10.27	ppb
Lithium	6-1				88		%
Magnesium	24-2	1.11	1.33	1.42	1.29	12.54	ppb
Manganese	55-2	0.03	0.09	0.04	0.05	57.89	ppb
Molybdenum	94-1	0.06	0.05	0.07	0.06	15.15	ppb
Molybdenum	95-1	0.03	0.04	0.04	0.04	10.31	ppb
Molybdenum	96-1	0.04	0.02	0.04	0.03	29.65	ppb
Molybdenum	97-1	0.05	0.05	0.05	0.05	6.97	ppb
Molybdenum	98-1	0.04	0.04	0.05	0.04	19.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.01	0.00	0.00		ppb
Phosphorus	31-2	-40.05	-40.85	-40.57	-40.49		ppb
Potassium	39-2	32.14	29.05	32.00	31.07	5.62	ppb
Rhodium	103-1				107		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	0.33	-0.58	0.37	0.04	1322.68	ppb
Selenium	77-2	-0.08	0.14	-0.08	-0.01		ppb
Selenium	78-2	0.02	0.87	0.50	0.46	92.27	ppb
Silicon	28-1	2.07	1.82	1.99	1.96	6.40	ppb
Silver	107-1	0.12	0.07	0.05	0.08	43.65	ppb
Silver	109-1	0.12	0.07	0.05	0.08	44.85	ppb
Sodium	23-2	73.97	72.67	74.11	73.58	1.08	ppb
Strontium	86-1	1.97	-0.04	0.99	0.97	102.94	ppb
Strontium	88-1	-0.01	-0.01	0.01	0.00		ppb
Sulfur	34-1	-1170.96	-1159.41	-1151.10	-1160.49		ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	0.03	0.03	0.03	0.03	12.63	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	3.98	ppb
Tin	118-1	0.03	0.04	0.03	0.03	9.92	ppb
Titanium	47-1	0.01	0.00	-0.01	0.00	439.04	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:54:19	DataFile Name :	067CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	13.20	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	59.76	ppb
Yttrium	89-1				109		%
Yttrium	89-2				110		%
Zinc	66-2	-0.03	0.10	-0.10	-0.01		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	29.31	ppb
Zirconium	91-1	0.01	0.00	0.03	0.02	106.53	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:58:16	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1584.84	1576.76	1600.47	1587.36	0.76	ppb
Antimony	121-1	90.90	92.84	90.73	91.49	1.28	ppb
Arsenic	75-2	5.86	5.88	5.75	5.83	1.24	ppb
Barium	135-1	402.46	414.43	407.46	408.12	1.47	ppb
Barium	137-1	400.80	413.60	403.58	405.99	1.66	ppb
Beryllium	9-1	107.05	108.47	106.85	107.46	0.82	ppb
Bismuth	209-1				98		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	102.89	102.57	101.40	102.28	0.77	ppb
Cadmium	106-1	110.11	108.38	106.97	108.49	1.45	ppb
Cadmium	111-1	94.56	97.77	94.01	95.45	2.13	ppb
Calcium	43-1	23091.23	23321.52	24077.95	23496.90	2.20	ppb
Calcium	44-1	25802.90	25920.97	26528.88	26084.25	1.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	87.11	87.38	87.68	87.39	0.32	ppb
Cobalt	59-2	89.59	89.32	88.63	89.18	0.55	ppb
Copper	63-2	935.30	941.89	943.15	940.11	0.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				109		%
Indium	115-1				109		%
Indium	115-2				113		%
Iron	56-2	4475.34	4405.45	4547.83	4476.20	1.59	ppb
Iron	57-2	4104.46	4108.56	4200.97	4138.00	1.32	ppb
Iron	54-2	4136.63	4082.14	4158.73	4125.83	0.96	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:58:16	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	452.37	459.34	453.76	455.16	0.81	ppb
Lead	207-1	463.82	459.73	465.56	463.04	0.65	ppb
Lead	208-1	464.23	459.77	462.67	462.23	0.49	ppb
Lithium	6-1				93		%
Magnesium	24-2	12023.65	11975.91	11919.51	11973.02	0.44	ppb
Manganese	55-2	931.80	933.69	942.63	936.04	0.62	ppb
Molybdenum	94-1	398.07	407.77	407.14	404.33	1.34	ppb
Molybdenum	95-1	356.03	310.69	312.29	326.34	7.88	ppb
Molybdenum	96-1	371.10	378.62	375.83	375.18	1.01	ppb
Molybdenum	97-1	311.13	318.02	316.91	315.35	1.17	ppb
Molybdenum	98-1	356.41	366.48	362.64	361.84	1.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.37	99.25	100.12	99.58	0.47	ppb
Phosphorus	31-2	-28.71	-35.66	-37.71	-34.03		ppb
Potassium	39-2	5242.54	5215.13	5307.34	5255.00	0.90	ppb
Rhodium	103-1				109		%
Rhodium	103-2				113		%
Scandium	45-1				113		%
Scandium	45-2				114		%
Selenium	82-1	100.19	101.63	100.45	100.75	0.76	ppb
Selenium	77-2	104.24	115.85	101.68	107.26	7.04	ppb
Selenium	78-2	100.56	105.15	103.87	103.19	2.30	ppb
Silicon	28-1	221.73	221.89	234.81	226.14	3.32	ppb
Silver	107-1	17.89	18.46	17.84	18.06	1.90	ppb
Silver	109-1	15.98	16.35	16.05	16.12	1.21	ppb
Sodium	23-2	16872.79	16773.98	16947.14	16864.64	0.52	ppb
Strontium	86-1	3578.36	3627.73	3630.72	3612.27	0.81	ppb
Strontium	88-1	4063.84	4078.05	4090.00	4077.30	0.32	ppb
Sulfur	34-1	103.40	189.40	453.72	248.84	73.37	ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	82.50	83.59	84.90	83.66	1.43	ppb
Thallium	205-1	80.03	81.34	82.66	81.35	1.62	ppb
Tin	118-1	81.03	83.34	81.27	81.88	1.55	ppb
Titanium	47-1	0.40	0.37	0.59	0.45	26.93	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:58:16	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	98.16	98.89	96.69	97.91	1.14	ppb
Vanadium	51-2	91.15	90.32	91.41	90.96	0.63	ppb
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	833.54	830.19	843.09	835.61	0.80	ppb
Zirconium	90-1	82.15	84.24	84.12	83.50	1.40	ppb
Zirconium	91-1	84.64	86.55	86.84	86.01	1.39	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03DLX10	Instrumnet Name :	P7
Client Sample ID :	MW25DL	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 16:01:21	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1472.11	1485.32	1486.04	1481.15	0.53	ppb
Antimony	121-1	0.41	0.45	0.44	0.43	5.79	ppb
Arsenic	75-2	11.73	10.99	11.83	11.52	3.99	ppb
Barium	135-1	37.50	36.94	37.30	37.25	0.76	ppb
Barium	137-1	37.10	36.96	36.81	36.96	0.39	ppb
Beryllium	9-1	0.20	0.22	0.22	0.21	6.69	ppb
Bismuth	209-1				94		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.40	9.27	9.94	9.54	3.72	ppb
Cadmium	106-1	11.06	11.31	10.21	10.86	5.34	ppb
Cadmium	111-1	8.87	9.00	8.92	8.93	0.71	ppb
Calcium	43-1	16251.73	16445.26	16216.15	16304.38	0.76	ppb
Calcium	44-1	18078.44	18067.87	18071.83	18072.71	0.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.65	4.85	4.77	4.76	2.19	ppb
Cobalt	59-2	1.83	1.80	1.81	1.81	0.92	ppb
Copper	63-2	20.86	20.77	20.76	20.80	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				110		%
Iron	56-2	8568.01	8454.35	8397.39	8473.25	1.03	ppb
Iron	57-2	7673.39	7645.21	7640.04	7652.88	0.23	ppb
Iron	54-2	8576.35	8596.16	8701.44	8624.65	0.78	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03DLX10	Instrumnet Name :	P7
Client Sample ID :	MW25DL	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 16:01:21	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.58	4.58	4.56	4.57	0.34	ppb
Lead	207-1	4.02	4.10	4.13	4.08	1.31	ppb
Lead	208-1	4.24	4.33	4.33	4.30	1.25	ppb
Lithium	6-1				91		%
Magnesium	24-2	3431.08	3372.08	3321.67	3374.95	1.62	ppb
Manganese	55-2	302.22	303.63	302.89	302.92	0.23	ppb
Molybdenum	94-1	4.62	4.50	4.38	4.50	2.68	ppb
Molybdenum	95-1	4.74	4.54	4.71	4.66	2.26	ppb
Molybdenum	96-1	4.77	4.77	4.68	4.74	1.13	ppb
Molybdenum	97-1	4.96	4.79	4.81	4.86	1.94	ppb
Molybdenum	98-1	4.79	4.75	4.65	4.73	1.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.98	4.86	4.83	4.89	1.61	ppb
Phosphorus	31-2	93.60	96.19	98.52	96.10	2.56	ppb
Potassium	39-2	2752.73	2735.81	2727.99	2738.84	0.46	ppb
Rhodium	103-1				105		%
Rhodium	103-2				108		%
Scandium	45-1				112		%
Scandium	45-2				111		%
Selenium	82-1	0.17	0.50	0.74	0.47	60.72	ppb
Selenium	77-2	1.64	0.56	1.66	1.29	48.98	ppb
Selenium	78-2	1.31	1.94	3.17	2.14	44.24	ppb
Silicon	28-1	300.68	306.89	296.32	301.30	1.76	ppb
Silver	107-1	0.18	0.16	0.15	0.17	10.20	ppb
Silver	109-1	0.18	0.14	0.14	0.15	14.91	ppb
Sodium	23-2	457968.42	475682.76	472638.39	468763.19	2.02	ppb
Strontium	86-1	2070.21	2107.36	2051.47	2076.35	1.37	ppb
Strontium	88-1	2327.47	2389.41	2318.19	2345.02	1.65	ppb
Sulfur	34-1	10762.89	11128.18	10610.43	10833.83	2.46	ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	0.13	0.13	0.13	0.13	2.27	ppb
Thallium	205-1	0.12	0.11	0.11	0.11	2.79	ppb
Tin	118-1	0.64	0.71	0.71	0.69	6.24	ppb
Titanium	47-1	87.18	88.66	89.22	88.35	1.20	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03DLX10	Instrumnet Name :	P7
Client Sample ID :	MW25DL	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 16:01:21	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.62	0.66	0.65	0.64	3.50	ppb
Vanadium	51-2	5.20	5.21	5.28	5.23	0.80	ppb
Yttrium	89-1				111		%
Yttrium	89-2				114		%
Zinc	66-2	289.39	294.67	292.93	292.33	0.92	ppb
Zirconium	90-1	0.38	0.39	0.39	0.39	1.68	ppb
Zirconium	91-1	0.45	0.34	0.43	0.41	14.75	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BL	Instrumnet Name :	P7
Client Sample ID :	PB168856BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:14:54	DataFile Name :	070CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.04	-0.19	-0.03	-0.06		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	31.74	ppb
Arsenic	75-2	0.01	0.00	0.01	0.01	50.35	ppb
Barium	135-1	-0.01	-0.01	0.00	-0.01		ppb
Barium	137-1	-0.02	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	318.69	ppb
Bismuth	209-1				96		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.04	0.05	0.01	540.23	ppb
Cadmium	106-1	-0.09	0.03	-0.48	-0.18		ppb
Cadmium	111-1	0.00	0.00	-0.04	-0.01		ppb
Calcium	43-1	-3.24	0.15	-4.09	-2.39		ppb
Calcium	44-1	43.08	47.41	48.88	46.46	6.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.02	0.02	0.02	6.54	ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.10	0.10	0.04	0.08	39.55	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				103		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				109		%
Iron	56-2	0.28	0.39	0.46	0.38	23.75	ppb
Iron	57-2	1.65	3.84	3.56	3.02	39.57	ppb
Iron	54-2	1.95	1.15	2.46	1.85	35.71	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BL	Instrumnet Name :	P7
Client Sample ID :	PB168856BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:14:54	DataFile Name :	070CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.03	0.02	0.02	22.96	ppb
Lead	207-1	0.02	0.03	0.00	0.02	64.21	ppb
Lead	208-1	0.02	0.03	0.02	0.02	21.70	ppb
Lithium	6-1				89		%
Magnesium	24-2	-0.24	-0.26	-0.35	-0.28		ppb
Manganese	55-2	0.01	0.00	0.02	0.01	102.38	ppb
Molybdenum	94-1	0.03	0.03	0.02	0.03	27.67	ppb
Molybdenum	95-1	0.01	0.00	0.03	0.01	140.54	ppb
Molybdenum	96-1	-0.01	0.01	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.02	0.03	0.02	81.30	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	479.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.02	-0.04	-0.02		ppb
Phosphorus	31-2	-37.47	-28.85	-37.44	-34.59		ppb
Potassium	39-2	21.33	20.59	19.25	20.39	5.17	ppb
Rhodium	103-1				107		%
Rhodium	103-2				108		%
Scandium	45-1				110		%
Scandium	45-2				108		%
Selenium	82-1	0.43	0.48	0.24	0.38	32.82	ppb
Selenium	77-2	0.37	0.58	-0.08	0.29	117.05	ppb
Selenium	78-2	2.47	1.63	1.87	1.99	21.73	ppb
Silicon	28-1	0.75	0.87	1.01	0.88	15.07	ppb
Silver	107-1	0.02	0.01	0.00	0.01	76.83	ppb
Silver	109-1	0.01	0.01	0.01	0.01	35.49	ppb
Sodium	23-2	73.67	72.85	70.79	72.44	2.05	ppb
Strontium	86-1	0.93	1.24	-0.01	0.72	90.40	ppb
Strontium	88-1	-0.09	-0.13	-0.11	-0.11		ppb
Sulfur	34-1	-1130.33	-1174.88	-1126.81	-1144.00		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.02	0.03	0.03	0.03	28.70	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	13.49	ppb
Tin	118-1	0.04	0.00	0.03	0.02	74.30	ppb
Titanium	47-1	-0.02	-0.02	-0.02	-0.02		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BL	Instrumnet Name :	P7
Client Sample ID :	PB168856BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:14:54	DataFile Name :	070CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	29.35	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				107		%
Yttrium	89-2				110		%
Zinc	66-2	-0.32	-0.36	-0.09	-0.26		ppb
Zirconium	90-1	0.00	0.01	0.02	0.01	61.63	ppb
Zirconium	91-1	0.01	0.00	0.01	0.00	92.89	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BS	Instrumnet Name :	P7
Client Sample ID :	PB168856BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:18:10	DataFile Name :	071LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10052.37	10228.04	9737.90	10006.10	2.48	ppb
Antimony	121-1	514.04	538.00	517.65	523.23	2.47	ppb
Arsenic	75-2	497.96	514.04	496.01	502.67	1.97	ppb
Barium	135-1	2593.02	2621.33	2562.31	2592.22	1.14	ppb
Barium	137-1	2550.82	2593.88	2565.73	2570.14	0.85	ppb
Beryllium	9-1	516.59	523.05	527.90	522.51	1.08	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	507.35	520.21	518.45	515.34	1.35	ppb
Cadmium	106-1	522.01	536.79	524.14	527.65	1.51	ppb
Cadmium	111-1	461.21	471.21	461.73	464.72	1.21	ppb
Calcium	43-1	43244.80	44033.48	44364.44	43880.91	1.31	ppb
Calcium	44-1	49351.79	48735.76	49097.95	49061.83	0.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	505.63	518.06	513.98	512.56	1.24	ppb
Cobalt	59-2	522.11	523.45	511.53	519.03	1.26	ppb
Copper	63-2	5080.95	5115.68	4964.79	5053.80	1.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				111		%
Iron	56-2	24304.98	25474.60	24767.38	24848.99	2.37	ppb
Iron	57-2	25039.49	25673.74	24764.81	25159.34	1.85	ppb
Iron	54-2	24686.42	25560.74	24589.83	24945.66	2.14	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BS	Instrumnet Name :	P7
Client Sample ID :	PB168856BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:18:10	DataFile Name :	071LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2528.96	2500.02	2467.33	2498.77	1.23	ppb
Lead	207-1	2537.92	2544.73	2483.14	2521.93	1.34	ppb
Lead	208-1	2515.66	2528.75	2484.48	2509.63	0.91	ppb
Lithium	6-1				92		%
Magnesium	24-2	49772.88	50431.84	49949.25	50051.32	0.68	ppb
Manganese	55-2	5017.64	5203.36	4973.90	5064.97	2.41	ppb
Molybdenum	94-1	4959.83	4849.06	4985.00	4931.30	1.47	ppb
Molybdenum	95-1	4895.25	4830.41	4954.80	4893.49	1.27	ppb
Molybdenum	96-1	4871.52	4782.26	4890.64	4848.14	1.19	ppb
Molybdenum	97-1	4943.92	4820.40	4954.65	4906.32	1.52	ppb
Molybdenum	98-1	4885.97	4923.99	4983.16	4931.04	0.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	511.94	514.65	508.26	511.62	0.63	ppb
Phosphorus	31-2	10120.41	10295.05	10022.30	10145.92	1.36	ppb
Potassium	39-2	24649.63	24632.76	24421.38	24567.93	0.52	ppb
Rhodium	103-1				106		%
Rhodium	103-2				109		%
Scandium	45-1				110		%
Scandium	45-2				111		%
Selenium	82-1	494.52	493.92	492.07	493.50	0.26	ppb
Selenium	77-2	512.18	499.84	520.72	510.91	2.05	ppb
Selenium	78-2	502.91	500.81	504.32	502.68	0.35	ppb
Silicon	28-1	553.82	556.81	562.40	557.68	0.78	ppb
Silver	107-1	513.68	526.54	521.82	520.68	1.25	ppb
Silver	109-1	513.45	521.72	527.49	520.89	1.36	ppb
Sodium	23-2	49062.01	49402.11	48936.62	49133.58	0.49	ppb
Strontium	86-1	10977.24	10995.20	11149.55	11040.66	0.86	ppb
Strontium	88-1	12396.27	12582.73	12437.30	12472.10	0.79	ppb
Sulfur	34-1	9065.36	9152.23	9048.94	9088.84	0.61	ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	510.37	510.95	507.23	509.52	0.39	ppb
Thallium	205-1	506.83	498.84	496.27	500.65	1.10	ppb
Tin	118-1	526.04	538.43	514.81	526.43	2.25	ppb
Titanium	47-1	5063.32	4952.58	4996.66	5004.18	1.11	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BS	Instrumnet Name :	P7
Client Sample ID :	PB168856BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:18:10	DataFile Name :	071LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	475.95	483.36	484.11	481.14	0.94	ppb
Vanadium	51-2	495.58	519.76	502.40	505.91	2.47	ppb
Yttrium	89-1				111		%
Yttrium	89-2				111		%
Zinc	66-2	5012.13	5093.87	5006.35	5037.45	0.97	ppb
Zirconium	90-1	496.24	498.54	502.17	498.98	0.60	ppb
Zirconium	91-1	504.98	508.47	519.96	511.14	1.53	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 16:27:16	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3803.47	3809.50	3798.29	3803.75	0.15	ppb
Antimony	121-1	0.01	0.02	0.02	0.02	24.17	ppb
Arsenic	75-2	2.94	3.02	3.21	3.06	4.58	ppb
Barium	135-1	4.70	5.04	4.64	4.79	4.55	ppb
Barium	137-1	4.72	4.94	4.78	4.81	2.36	ppb
Beryllium	9-1	0.64	0.64	0.73	0.67	7.94	ppb
Bismuth	209-1				98		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.55	0.52	0.29	0.45	31.47	ppb
Cadmium	106-1	1.79	1.95	1.23	1.66	22.85	ppb
Cadmium	111-1	0.40	0.44	0.36	0.40	9.90	ppb
Calcium	43-1	10161.03	10385.17	10172.86	10239.69	1.23	ppb
Calcium	44-1	11415.20	11461.43	11518.32	11464.98	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.07	2.13	2.11	2.10	1.36	ppb
Cobalt	59-2	9.22	9.58	9.32	9.37	1.97	ppb
Copper	63-2	17.27	17.32	16.83	17.14	1.59	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				107		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	800.62	821.50	798.72	806.95	1.57	ppb
Iron	57-2	783.38	770.69	781.28	778.45	0.87	ppb
Iron	54-2	714.03	732.17	722.30	722.83	1.26	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 16:27:16	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.33	3.26	3.36	3.32	1.61	ppb
Lead	207-1	3.22	2.97	3.17	3.12	4.27	ppb
Lead	208-1	3.22	3.15	3.20	3.19	1.15	ppb
Lithium	6-1				89		%
Magnesium	24-2	1300.91	1321.46	1317.25	1313.21	0.83	ppb
Manganese	55-2	701.91	704.17	705.03	703.70	0.23	ppb
Molybdenum	94-1	0.13	0.10	0.10	0.11	16.11	ppb
Molybdenum	95-1	0.03	0.04	0.04	0.03	15.47	ppb
Molybdenum	96-1	0.05	0.02	0.04	0.04	37.89	ppb
Molybdenum	97-1	0.01	0.04	0.02	0.02	74.29	ppb
Molybdenum	98-1	0.03	0.01	0.03	0.02	47.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.20	8.56	8.22	8.33	2.41	ppb
Phosphorus	31-2	382.55	374.95	357.79	371.76	3.41	ppb
Potassium	39-2	1661.71	1698.60	1662.88	1674.40	1.25	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	0.19	-0.32	0.43	0.10	378.83	ppb
Selenium	77-2	4.77	7.59	6.25	6.20	22.76	ppb
Selenium	78-2	2.59	2.73	2.87	2.73	5.12	ppb
Silicon	28-1	190.39	186.35	190.26	189.00	1.21	ppb
Silver	107-1	0.03	0.03	0.02	0.03	13.42	ppb
Silver	109-1	0.01	0.01	0.01	0.01	8.52	ppb
Sodium	23-2	464.32	466.40	459.90	463.54	0.72	ppb
Strontium	86-1	1079.19	1029.52	1077.59	1062.10	2.66	ppb
Strontium	88-1	1035.38	1024.24	1022.99	1027.54	0.66	ppb
Sulfur	34-1	16574.42	15765.63	16325.90	16221.98	2.55	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.06	0.05	0.06	0.06	6.77	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	9.05	ppb
Tin	118-1	0.04	0.04	0.03	0.04	18.82	ppb
Titanium	47-1	0.70	0.56	0.64	0.63	11.22	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 16:27:16	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.70	0.63	0.66	0.66	5.20	ppb
Vanadium	51-2	4.94	5.15	4.93	5.00	2.54	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	65.11	65.29	64.60	65.00	0.55	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	6.54	ppb
Zirconium	91-1	0.05	0.04	0.05	0.05	18.80	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:30:29	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22101.90	21588.24	21409.98	21700.04	1.66	ppb
Antimony	121-1	87.22	89.69	91.16	89.36	2.22	ppb
Arsenic	75-2	110.51	106.78	106.25	107.85	2.15	ppb
Barium	135-1	398.77	414.10	415.64	409.50	2.28	ppb
Barium	137-1	399.24	409.64	415.31	408.07	2.00	ppb
Beryllium	9-1	108.72	111.55	110.18	110.15	1.29	ppb
Bismuth	209-1				96		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	99.30	102.11	101.44	100.95	1.46	ppb
Cadmium	106-1	103.88	107.21	109.13	106.74	2.49	ppb
Cadmium	111-1	92.12	93.79	94.46	93.46	1.29	ppb
Calcium	43-1	60920.89	62337.86	61075.76	61444.84	1.26	ppb
Calcium	44-1	62150.32	61919.77	60500.56	61523.55	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.21	98.71	97.73	97.88	0.78	ppb
Cobalt	59-2	132.06	134.80	131.61	132.82	1.30	ppb
Copper	63-2	1107.61	1119.44	1095.20	1107.41	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				105		%
Iron	56-2	8115.06	8193.97	8130.66	8146.56	0.51	ppb
Iron	57-2	7521.70	7674.34	7491.22	7562.42	1.30	ppb
Iron	54-2	8121.11	8325.13	8324.46	8256.90	1.42	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:30:29	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	507.48	510.20	511.47	509.72	0.40	ppb
Lead	207-1	528.09	518.31	519.35	521.92	1.03	ppb
Lead	208-1	522.20	513.82	521.05	519.02	0.87	ppb
Lithium	6-1				88		%
Magnesium	24-2	17215.18	17031.21	17068.94	17105.11	0.57	ppb
Manganese	55-2	4132.91	4249.91	4186.63	4189.82	1.40	ppb
Molybdenum	94-1	346.38	342.18	343.76	344.11	0.62	ppb
Molybdenum	95-1	264.28	259.95	259.61	261.28	1.00	ppb
Molybdenum	96-1	313.74	318.04	317.48	316.42	0.74	ppb
Molybdenum	97-1	266.09	264.35	264.57	265.00	0.36	ppb
Molybdenum	98-1	307.96	301.91	309.50	306.46	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	138.16	139.55	135.77	137.83	1.39	ppb
Phosphorus	31-2	1964.34	1853.41	1855.00	1890.92	3.36	ppb
Potassium	39-2	12933.85	12795.44	12731.38	12820.23	0.81	ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	88.42	85.38	86.51	86.77	1.77	ppb
Selenium	77-2	110.80	93.53	110.34	104.89	9.38	ppb
Selenium	78-2	93.74	84.97	94.09	90.93	5.68	ppb
Silicon	28-1	830.33	820.15	815.65	822.04	0.91	ppb
Silver	107-1	17.40	18.20	18.09	17.90	2.44	ppb
Silver	109-1	15.55	15.88	16.14	15.86	1.86	ppb
Sodium	23-2	12300.97	12102.86	12027.66	12143.83	1.16	ppb
Strontium	86-1	6587.83	6603.30	6530.99	6574.04	0.58	ppb
Strontium	88-1	7329.24	7561.73	7399.44	7430.14	1.60	ppb
Sulfur	34-1	100957.93	103472.93	98494.29	100975.05	2.47	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	84.75	83.91	84.60	84.42	0.53	ppb
Thallium	205-1	82.74	80.62	81.87	81.74	1.31	ppb
Tin	118-1	77.12	77.85	79.18	78.05	1.34	ppb
Titanium	47-1	3.19	3.19	3.20	3.20	0.24	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:30:29	DataFile Name :	075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	101.11	101.99	99.78	100.96	1.10	ppb
Vanadium	51-2	113.79	112.62	113.69	113.37	0.57	ppb
Yttrium	89-1				125		%
Yttrium	89-2				125		%
Zinc	66-2	1214.32	1193.48	1179.89	1195.90	1.45	ppb
Zirconium	90-1	73.31	72.37	72.13	72.60	0.86	ppb
Zirconium	91-1	75.31	74.25	74.16	74.57	0.85	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:33:31	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21775.30	21372.98	22292.44	21813.58	2.11	ppb
Antimony	121-1	88.49	89.85	88.87	89.07	0.79	ppb
Arsenic	75-2	110.10	112.28	114.57	112.32	1.99	ppb
Barium	135-1	406.24	409.18	412.40	409.27	0.75	ppb
Barium	137-1	406.02	412.02	407.24	408.43	0.78	ppb
Beryllium	9-1	109.92	110.99	110.67	110.53	0.50	ppb
Bismuth	209-1				97		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	98.69	103.81	102.62	101.71	2.64	ppb
Cadmium	106-1	104.47	109.66	105.86	106.67	2.52	ppb
Cadmium	111-1	93.26	94.63	94.66	94.19	0.85	ppb
Calcium	43-1	61653.90	61258.65	62351.06	61754.53	0.90	ppb
Calcium	44-1	61492.12	61601.16	61993.10	61695.46	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.39	100.57	100.06	99.34	1.72	ppb
Cobalt	59-2	132.75	134.81	139.34	135.64	2.49	ppb
Copper	63-2	1123.37	1130.57	1159.00	1137.65	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				105		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				103		%
Iron	56-2	8081.80	8245.45	8247.98	8191.74	1.16	ppb
Iron	57-2	7526.67	7659.58	7815.93	7667.40	1.89	ppb
Iron	54-2	8089.90	8353.41	8331.02	8258.11	1.77	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:33:31	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	513.49	526.76	516.47	518.91	1.34	ppb
Lead	207-1	532.23	526.17	537.84	532.08	1.10	ppb
Lead	208-1	519.17	524.20	525.22	522.86	0.62	ppb
Lithium	6-1				88		%
Magnesium	24-2	17208.35	16895.22	17711.75	17271.77	2.39	ppb
Manganese	55-2	4175.31	4265.90	4228.61	4223.28	1.08	ppb
Molybdenum	94-1	344.97	350.47	346.78	347.40	0.81	ppb
Molybdenum	95-1	259.78	264.52	264.33	262.88	1.02	ppb
Molybdenum	96-1	309.18	319.83	313.92	314.31	1.70	ppb
Molybdenum	97-1	263.53	268.43	265.70	265.89	0.92	ppb
Molybdenum	98-1	306.14	314.11	310.81	310.36	1.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	136.98	138.94	143.43	139.78	2.36	ppb
Phosphorus	31-2	1817.59	1838.49	1926.39	1860.82	3.10	ppb
Potassium	39-2	12952.90	13077.09	13025.51	13018.50	0.48	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	84.66	87.16	86.17	86.00	1.46	ppb
Selenium	77-2	107.23	114.46	103.87	108.52	4.99	ppb
Selenium	78-2	92.75	91.39	94.03	92.72	1.42	ppb
Silicon	28-1	821.49	835.47	841.53	832.83	1.23	ppb
Silver	107-1	17.54	17.94	17.90	17.79	1.22	ppb
Silver	109-1	15.59	15.77	16.02	15.80	1.35	ppb
Sodium	23-2	12142.39	12115.20	13081.35	12446.31	4.42	ppb
Strontium	86-1	6508.11	6656.38	6570.39	6578.30	1.13	ppb
Strontium	88-1	7286.61	7469.03	7386.36	7380.67	1.24	ppb
Sulfur	34-1	100387.41	101667.14	101593.90	101216.15	0.71	ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	85.74	85.53	86.04	85.77	0.30	ppb
Thallium	205-1	81.95	83.78	83.04	82.93	1.11	ppb
Tin	118-1	77.54	78.51	78.64	78.23	0.77	ppb
Titanium	47-1	3.14	3.29	2.96	3.13	5.35	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:33:31	DataFile Name :	076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	101.24	102.61	102.56	102.14	0.76	ppb
Vanadium	51-2	114.89	114.93	115.97	115.26	0.53	ppb
Yttrium	89-1				127		%
Yttrium	89-2				122		%
Zinc	66-2	1186.90	1210.48	1250.91	1216.09	2.66	ppb
Zirconium	90-1	71.50	73.52	72.95	72.66	1.43	ppb
Zirconium	91-1	73.99	76.17	75.36	75.18	1.46	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:36:28	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21623.08	22367.01	22431.55	22140.55	2.03	ppb
Antimony	121-1	92.42	89.95	91.67	91.34	1.38	ppb
Arsenic	75-2	107.65	114.66	118.04	113.45	4.67	ppb
Barium	135-1	424.62	413.98	420.58	419.73	1.28	ppb
Barium	137-1	424.99	412.83	414.94	417.59	1.56	ppb
Beryllium	9-1	110.68	110.63	112.66	111.32	1.04	ppb
Bismuth	209-1				96		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	107.29	104.89	107.33	106.50	1.31	ppb
Cadmium	106-1	114.13	107.58	108.73	110.15	3.17	ppb
Cadmium	111-1	98.19	96.13	95.51	96.61	1.45	ppb
Calcium	43-1	63548.78	63903.22	62108.20	63186.73	1.50	ppb
Calcium	44-1	61305.00	62477.40	61461.78	61748.06	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	99.66	100.53	100.20	100.13	0.44	ppb
Cobalt	59-2	134.45	136.45	138.97	136.62	1.66	ppb
Copper	63-2	1107.26	1148.45	1169.63	1141.78	2.78	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				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	8262.95	8256.77	8393.62	8304.45	0.93	ppb
Iron	57-2	7580.78	7606.47	7728.97	7638.74	1.04	ppb
Iron	54-2	8494.03	8281.12	8485.37	8420.18	1.43	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:36:28	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	519.44	529.13	536.04	528.20	1.58	ppb
Lead	207-1	526.18	534.53	544.39	535.03	1.70	ppb
Lead	208-1	527.68	528.40	538.53	531.54	1.14	ppb
Lithium	6-1				87		%
Magnesium	24-2	17035.85	17768.14	17467.95	17423.98	2.11	ppb
Manganese	55-2	4286.11	4246.69	4216.26	4249.69	0.82	ppb
Molybdenum	94-1	345.14	351.84	352.74	349.91	1.19	ppb
Molybdenum	95-1	262.52	268.89	268.68	266.70	1.36	ppb
Molybdenum	96-1	316.24	325.47	320.33	320.68	1.44	ppb
Molybdenum	97-1	266.22	271.78	271.52	269.84	1.16	ppb
Molybdenum	98-1	314.74	315.49	313.06	314.43	0.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	138.01	142.00	142.04	140.68	1.65	ppb
Phosphorus	31-2	1906.60	1958.82	1887.27	1917.56	1.93	ppb
Potassium	39-2	13032.06	13146.82	12940.38	13039.75	0.79	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	85.81	84.52	87.22	85.85	1.57	ppb
Selenium	77-2	105.39	108.61	116.19	110.06	5.04	ppb
Selenium	78-2	89.94	101.61	95.09	95.55	6.12	ppb
Silicon	28-1	832.76	812.51	836.03	827.10	1.54	ppb
Silver	107-1	18.47	18.14	18.19	18.27	0.95	ppb
Silver	109-1	16.35	15.99	16.10	16.15	1.14	ppb
Sodium	23-2	12247.54	12668.78	12780.40	12565.58	2.24	ppb
Strontium	86-1	6512.42	6650.20	6682.23	6614.95	1.36	ppb
Strontium	88-1	7387.65	7640.34	7615.58	7547.86	1.85	ppb
Sulfur	34-1	102152.97	102092.78	103099.95	102448.57	0.55	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	86.10	86.55	87.19	86.61	0.64	ppb
Thallium	205-1	83.21	83.67	84.95	83.94	1.07	ppb
Tin	118-1	81.47	79.16	79.83	80.15	1.48	ppb
Titanium	47-1	3.25	3.24	3.08	3.19	3.01	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:36:28	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	105.73	102.46	106.00	104.73	1.88	ppb
Vanadium	51-2	115.65	116.60	115.82	116.02	0.44	ppb
Yttrium	89-1				126		%
Yttrium	89-2				122		%
Zinc	66-2	1215.56	1245.76	1250.12	1237.14	1.52	ppb
Zirconium	90-1	72.37	73.83	74.53	73.57	1.50	ppb
Zirconium	91-1	74.84	75.98	76.45	75.76	1.09	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:42:39	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21522.82	21401.49	21539.89	21488.07	0.35	ppb
Antimony	121-1	0.04	0.04	0.04	0.04	2.49	ppb
Arsenic	75-2	12.89	12.73	13.49	13.03	3.06	ppb
Barium	135-1	22.98	24.18	23.64	23.60	2.56	ppb
Barium	137-1	23.28	23.83	23.53	23.55	1.16	ppb
Beryllium	9-1	3.11	3.36	3.64	3.37	7.80	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.21	2.21	1.67	2.03	15.16	ppb
Cadmium	106-1	4.84	5.12	4.07	4.68	11.65	ppb
Cadmium	111-1	1.89	1.96	1.85	1.90	3.11	ppb
Calcium	43-1	49962.76	51856.70	51397.62	51072.36	1.93	ppb
Calcium	44-1	55631.97	57424.49	57352.04	56802.83	1.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.89	10.22	10.19	10.10	1.80	ppb
Cobalt	59-2	46.30	46.58	46.70	46.53	0.44	ppb
Copper	63-2	83.35	83.27	85.27	83.96	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				108		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	56-2	3910.44	3994.68	4020.83	3975.32	1.45	ppb
Iron	57-2	3753.67	3784.59	3887.73	3808.66	1.84	ppb
Iron	54-2	3548.20	3560.05	3595.55	3567.93	0.69	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:42:39	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.97	16.53	16.22	16.24	1.73	ppb
Lead	207-1	15.18	15.52	15.26	15.32	1.13	ppb
Lead	208-1	15.43	15.82	15.54	15.60	1.29	ppb
Lithium	6-1				86		%
Magnesium	24-2	7409.57	7522.55	7577.77	7503.30	1.14	ppb
Manganese	55-2	3398.22	3512.51	3519.52	3476.75	1.96	ppb
Molybdenum	94-1	0.39	0.43	0.39	0.41	5.42	ppb
Molybdenum	95-1	0.09	0.08	0.07	0.08	6.94	ppb
Molybdenum	96-1	0.11	0.13	0.11	0.12	11.70	ppb
Molybdenum	97-1	0.06	0.06	0.06	0.06	0.92	ppb
Molybdenum	98-1	0.04	0.05	0.05	0.05	6.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	41.53	41.34	41.35	41.41	0.26	ppb
Phosphorus	31-2	1965.13	1984.43	2041.16	1996.91	1.98	ppb
Potassium	39-2	8872.61	9012.50	9244.67	9043.26	2.08	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	0.82	1.85	0.84	1.17	50.44	ppb
Selenium	77-2	24.62	23.29	25.86	24.59	5.23	ppb
Selenium	78-2	6.69	7.78	8.12	7.53	9.96	ppb
Silicon	28-1	866.89	896.76	886.43	883.36	1.72	ppb
Silver	107-1	0.10	0.10	0.09	0.09	5.50	ppb
Silver	109-1	0.02	0.03	0.02	0.03	18.49	ppb
Sodium	23-2	2417.97	2418.85	2479.09	2438.64	1.44	ppb
Strontium	86-1	4544.21	4702.18	4656.16	4634.18	1.75	ppb
Strontium	88-1	5157.54	5401.22	5345.98	5301.58	2.41	ppb
Sulfur	34-1	105479.53	109192.47	109655.10	108109.04	2.12	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.16	0.16	0.16	0.16	2.19	ppb
Thallium	205-1	0.07	0.08	0.08	0.07	8.32	ppb
Tin	118-1	0.05	0.04	0.05	0.05	5.93	ppb
Titanium	47-1	2.88	3.24	3.15	3.09	6.04	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:42:39	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.23	3.33	3.25	3.27	1.62	ppb
Vanadium	51-2	24.51	24.71	25.25	24.82	1.55	ppb
Yttrium	89-1				128		%
Yttrium	89-2				125		%
Zinc	66-2	319.50	320.76	323.40	321.22	0.62	ppb
Zirconium	90-1	0.22	0.22	0.23	0.22	2.53	ppb
Zirconium	91-1	0.19	0.24	0.21	0.21	11.21	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:46:16	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22836.86	22244.86	22882.56	22654.76	1.57	ppb
Antimony	121-1	0.05	0.08	0.03	0.05	39.36	ppb
Arsenic	75-2	14.18	13.08	13.81	13.69	4.09	ppb
Barium	135-1	24.19	24.25	24.72	24.39	1.18	ppb
Barium	137-1	23.54	24.07	24.28	23.96	1.58	ppb
Beryllium	9-1	3.26	3.35	3.36	3.32	1.55	ppb
Bismuth	209-1				95		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.78	1.93	1.76	1.83	5.02	ppb
Cadmium	106-1	4.76	4.22	5.03	4.67	8.83	ppb
Cadmium	111-1	1.86	1.99	1.91	1.92	3.53	ppb
Calcium	43-1	51817.75	53515.00	53881.86	53071.53	2.07	ppb
Calcium	44-1	58614.23	59208.60	59328.15	59050.32	0.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.54	10.66	10.74	10.65	0.91	ppb
Cobalt	59-2	48.42	49.08	49.29	48.93	0.93	ppb
Copper	63-2	88.32	88.75	88.36	88.48	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	4152.05	4205.97	4140.31	4166.11	0.84	ppb
Iron	57-2	3959.53	4032.37	4065.66	4019.19	1.35	ppb
Iron	54-2	3715.50	3719.39	3751.72	3728.87	0.53	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:46:16	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	16.81	17.27	16.99	17.02	1.37	ppb
Lead	207-1	15.64	16.05	16.08	15.92	1.54	ppb
Lead	208-1	16.14	16.39	16.31	16.28	0.76	ppb
Lithium	6-1				83		%
Magnesium	24-2	7790.13	7903.95	7874.35	7856.14	0.75	ppb
Manganese	55-2	3650.59	3664.38	3630.20	3648.39	0.47	ppb
Molybdenum	94-1	0.45	0.78	0.43	0.55	35.87	ppb
Molybdenum	95-1	0.11	0.39	0.08	0.19	89.02	ppb
Molybdenum	96-1	0.15	0.45	0.12	0.24	77.11	ppb
Molybdenum	97-1	0.09	0.49	0.07	0.22	110.39	ppb
Molybdenum	98-1	0.09	0.42	0.06	0.19	106.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	43.39	43.53	43.52	43.48	0.18	ppb
Phosphorus	31-2	2138.25	2049.85	2176.86	2121.65	3.07	ppb
Potassium	39-2	9583.76	9507.76	9611.67	9567.73	0.56	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	0.96	0.85	1.18	1.00	16.65	ppb
Selenium	77-2	26.62	21.75	26.28	24.88	10.94	ppb
Selenium	78-2	7.51	7.59	7.72	7.61	1.42	ppb
Silicon	28-1	901.47	930.32	940.68	924.15	2.20	ppb
Silver	107-1	0.09	0.09	0.10	0.09	4.38	ppb
Silver	109-1	0.02	0.02	0.02	0.02	9.82	ppb
Sodium	23-2	2493.69	2575.85	2527.92	2532.49	1.63	ppb
Strontium	86-1	4758.89	4763.40	4743.91	4755.40	0.21	ppb
Strontium	88-1	5323.54	5409.13	5390.79	5374.49	0.84	ppb
Sulfur	34-1	107876.47	115322.77	116780.06	113326.43	4.21	ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.17	0.20	0.15	0.17	12.88	ppb
Thallium	205-1	0.07	0.11	0.06	0.08	33.81	ppb
Tin	118-1	0.07	0.10	0.08	0.08	19.52	ppb
Titanium	47-1	3.11	3.27	3.07	3.15	3.48	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:46:16	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.38	3.44	3.39	3.40	0.89	ppb
Vanadium	51-2	25.61	25.65	26.12	25.80	1.11	ppb
Yttrium	89-1				124		%
Yttrium	89-2				121		%
Zinc	66-2	331.23	337.03	336.17	334.81	0.94	ppb
Zirconium	90-1	0.24	0.23	0.22	0.23	4.64	ppb
Zirconium	91-1	0.21	0.26	0.21	0.23	12.30	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:02:50	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51992.84	51977.70	51920.93	51963.82	0.07	ppb
Antimony	121-1	521.59	544.23	523.36	529.73	2.38	ppb
Arsenic	75-2	511.86	512.08	502.79	508.91	1.04	ppb
Barium	135-1	2677.48	2692.92	2652.80	2674.40	0.76	ppb
Barium	137-1	2608.09	2677.56	2604.54	2630.06	1.57	ppb
Beryllium	9-1	544.07	552.08	551.39	549.18	0.81	ppb
Bismuth	209-1				90		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	529.28	544.55	524.50	532.78	1.97	ppb
Cadmium	106-1	536.53	544.65	533.28	538.15	1.09	ppb
Cadmium	111-1	467.89	480.75	473.94	474.19	1.36	ppb
Calcium	43-1	267520.33	262403.80	255748.78	261890.97	2.25	ppb
Calcium	44-1	265385.25	259950.49	262253.68	262529.81	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	526.49	520.96	538.33	528.59	1.68	ppb
Cobalt	59-2	526.16	517.90	527.46	523.84	0.99	ppb
Copper	63-2	5259.41	5270.75	5331.91	5287.36	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				100		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				103		%
Iron	56-2	132598.08	132980.44	133722.55	133100.36	0.43	ppb
Iron	57-2	131852.69	131676.73	133836.79	132455.40	0.91	ppb
Iron	54-2	131626.62	131587.88	132144.39	131786.30	0.24	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:02:50	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2650.68	2594.94	2653.75	2633.12	1.26	ppb
Lead	207-1	2671.39	2609.97	2679.62	2653.66	1.43	ppb
Lead	208-1	2654.96	2600.87	2648.85	2634.89	1.12	ppb
Lithium	6-1				84		%
Magnesium	24-2	264839.30	259514.96	266287.26	263547.17	1.35	ppb
Manganese	55-2	5185.68	5208.82	5276.03	5223.51	0.90	ppb
Molybdenum	94-1	5059.95	5143.07	5268.74	5157.25	2.04	ppb
Molybdenum	95-1	4989.28	5092.33	5174.33	5085.31	1.82	ppb
Molybdenum	96-1	5007.83	5166.75	5157.29	5110.62	1.74	ppb
Molybdenum	97-1	5098.42	5138.75	5207.67	5148.28	1.07	ppb
Molybdenum	98-1	5131.78	5091.06	5260.85	5161.23	1.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	513.63	511.45	520.03	515.03	0.87	ppb
Phosphorus	31-2	10355.87	10425.83	10555.28	10445.66	0.97	ppb
Potassium	39-2	129367.36	131751.85	130377.72	130498.98	0.92	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	475.14	480.11	493.83	483.03	2.00	ppb
Selenium	77-2	502.64	507.27	482.86	497.59	2.61	ppb
Selenium	78-2	504.11	508.32	492.95	501.79	1.58	ppb
Silicon	28-1	593.01	581.17	580.93	585.04	1.18	ppb
Silver	107-1	465.68	488.06	581.18	511.64	11.97	ppb
Silver	109-1	501.62	594.51	663.68	586.60	13.86	ppb
Sodium	23-2	255589.51	257423.02	258568.63	257193.72	0.58	ppb
Strontium	86-1	11436.71	11536.52	11782.00	11585.08	1.53	ppb
Strontium	88-1	13049.44	13060.02	13333.48	13147.65	1.22	ppb
Sulfur	34-1	9342.17	9146.28	9517.59	9335.35	1.99	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	543.78	528.37	553.65	541.93	2.35	ppb
Thallium	205-1	543.40	526.87	529.93	533.40	1.65	ppb
Tin	118-1	516.76	539.82	532.16	529.58	2.22	ppb
Titanium	47-1	5222.94	5263.44	5245.16	5243.85	0.39	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:02:50	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	512.70	523.52	529.57	521.93	1.64	ppb
Vanadium	51-2	534.38	540.42	535.03	536.61	0.62	ppb
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	5354.10	5123.28	5230.94	5236.11	2.21	ppb
Zirconium	90-1	523.15	515.50	530.89	523.18	1.47	ppb
Zirconium	91-1	526.40	530.35	551.48	536.08	2.52	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:08:07	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.21	-0.10	0.15	0.09	183.33	ppb
Antimony	121-1	0.09	0.05	0.07	0.07	24.57	ppb
Arsenic	75-2	0.00	0.01	-0.01	0.00		ppb
Barium	135-1	0.15	0.01	0.00	0.05	155.98	ppb
Barium	137-1	0.17	0.00	0.00	0.05	183.91	ppb
Beryllium	9-1	0.08	0.01	0.00	0.03	136.55	ppb
Bismuth	209-1				97		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.21	0.02	0.07	0.10	102.20	ppb
Cadmium	106-1	0.31	0.27	0.17	0.25	27.82	ppb
Cadmium	111-1	0.08	0.04	0.02	0.05	68.58	ppb
Calcium	43-1	34.51	-1.72	1.00	11.26	179.14	ppb
Calcium	44-1	81.69	41.15	41.21	54.69	42.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.03	0.04	0.03	28.12	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.09	0.11	0.09	0.10	13.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				107		%
Indium	115-2				112		%
Iron	56-2	1.23	1.26	1.25	1.25	1.10	ppb
Iron	57-2	3.20	5.00	4.82	4.34	22.87	ppb
Iron	54-2	3.89	3.32	3.35	3.52	9.15	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:08:07	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.62	0.08	0.08	1.59	164.46	ppb
Lead	207-1	0.27	0.07	0.08	0.14	79.46	ppb
Lead	208-1	1.34	0.07	0.08	0.50	147.29	ppb
Lithium	6-1				88		%
Magnesium	24-2	0.82	1.05	1.19	1.02	18.20	ppb
Manganese	55-2	0.04	0.06	0.07	0.06	22.39	ppb
Molybdenum	94-1	0.35	0.07	0.09	0.17	93.30	ppb
Molybdenum	95-1	9.69	0.05	0.06	3.27	170.31	ppb
Molybdenum	96-1	2.47	0.05	0.06	0.86	162.79	ppb
Molybdenum	97-1	0.41	0.09	0.05	0.18	107.07	ppb
Molybdenum	98-1	0.75	0.07	0.06	0.30	134.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.01	0.00	0.00		ppb
Phosphorus	31-2	-38.15	-44.75	-46.73	-43.21		ppb
Potassium	39-2	32.76	37.87	40.91	37.18	11.08	ppb
Rhodium	103-1				108		%
Rhodium	103-2				110		%
Scandium	45-1				109		%
Scandium	45-2				108		%
Selenium	82-1	1.40	0.24	0.35	0.67	95.98	ppb
Selenium	77-2	0.14	-0.08	-0.08	-0.01		ppb
Selenium	78-2	1.76	1.73	3.10	2.20	35.51	ppb
Silicon	28-1	1.54	1.24	1.43	1.41	10.74	ppb
Silver	107-1	0.18	0.04	0.03	0.08	105.60	ppb
Silver	109-1	0.18	0.04	0.03	0.08	101.94	ppb
Sodium	23-2	70.23	77.42	80.01	75.89	6.68	ppb
Strontium	86-1	2.96	1.11	0.96	1.68	66.31	ppb
Strontium	88-1	17.22	-0.05	-0.05	5.71	174.70	ppb
Sulfur	34-1	-1338.79	-1313.70	-1378.93	-1343.81		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.10	0.04	0.06	0.07	43.22	ppb
Thallium	205-1	0.11	0.04	0.04	0.07	61.31	ppb
Tin	118-1	0.07	0.00	0.03	0.03	115.88	ppb
Titanium	47-1	7.05	0.00	0.02	2.35	172.72	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:08:07	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.00	0.00	0.02	149.86	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	112.19	ppb
Yttrium	89-1				110		%
Yttrium	89-2				110		%
Zinc	66-2	-0.26	-0.11	-0.24	-0.20		ppb
Zirconium	90-1	0.05	0.01	0.02	0.03	89.74	ppb
Zirconium	91-1	0.20	0.01	0.00	0.07	161.01	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856TB	Instrumnet Name :	P7
Client Sample ID :	PB168856TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:16:02	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.08	-0.16	-0.13	-0.07		ppb
Antimony	121-1	0.02	0.02	0.01	0.02	10.53	ppb
Arsenic	75-2	0.01	0.00	0.00	0.00	209.44	ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	-0.01	-0.01	-0.02	-0.01		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				97		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	-0.01	0.05	0.03	126.51	ppb
Cadmium	106-1	0.33	1.55	1.24	1.04	61.00	ppb
Cadmium	111-1	0.02	0.10	0.09	0.07	60.28	ppb
Calcium	43-1	-2.03	-3.00	-3.88	-2.97		ppb
Calcium	44-1	37.97	41.15	42.48	40.54	5.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.02	-0.01	0.01	161.27	ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.03	0.03	0.03	0.03	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				104		%
Holmium	165-2				104		%
Indium	115-1				109		%
Indium	115-2				110		%
Iron	56-2	0.37	0.53	0.54	0.48	20.08	ppb
Iron	57-2	3.92	3.05	3.32	3.43	13.05	ppb
Iron	54-2	2.62	3.96	3.24	3.27	20.44	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856TB	Instrumnet Name :	P7
Client Sample ID :	PB168856TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:16:02	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.04	0.04	0.04	10.21	ppb
Lead	207-1	0.04	0.04	0.04	0.04	7.14	ppb
Lead	208-1	0.04	0.04	0.04	0.04	1.20	ppb
Lithium	6-1				89		%
Magnesium	24-2	-0.18	-0.12	-0.20	-0.17		ppb
Manganese	55-2	0.02	0.05	0.01	0.03	66.53	ppb
Molybdenum	94-1	0.03	0.01	0.01	0.02	67.24	ppb
Molybdenum	95-1	0.01	0.00	0.02	0.01	108.37	ppb
Molybdenum	96-1	0.01	0.00	0.01	0.01	116.56	ppb
Molybdenum	97-1	0.03	0.01	0.02	0.02	52.35	ppb
Molybdenum	98-1	0.01	0.01	0.02	0.01	50.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	-0.05	-0.02	-0.04		ppb
Phosphorus	31-2	-44.58	-41.26	-42.91	-42.92		ppb
Potassium	39-2	28.96	30.77	30.46	30.06	3.20	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				107		%
Selenium	82-1	0.34	-0.73	0.21	-0.06		ppb
Selenium	77-2	-0.08	-0.08	0.14	-0.01		ppb
Selenium	78-2	1.21	0.53	1.51	1.08	46.31	ppb
Silicon	28-1	0.81	1.08	1.34	1.08	24.47	ppb
Silver	107-1	0.02	0.01	0.01	0.01	43.98	ppb
Silver	109-1	0.01	0.01	0.01	0.01	22.50	ppb
Sodium	23-2	55.82	57.40	54.60	55.94	2.51	ppb
Strontium	86-1	1.29	1.03	1.00	1.10	14.29	ppb
Strontium	88-1	-0.12	-0.12	-0.09	-0.11		ppb
Sulfur	34-1	-1300.85	-1180.05	-1057.42	-1179.44		ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.02	0.02	0.03	0.03	22.67	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	3.59	ppb
Tin	118-1	0.03	0.02	0.03	0.03	17.42	ppb
Titanium	47-1	-0.03	-0.03	-0.03	-0.03		ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856TB	Instrumnet Name :	P7
Client Sample ID :	PB168856TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:16:02	DataFile Name :	087CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	266.25	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				111		%
Yttrium	89-2				110		%
Zinc	66-2	-0.28	-0.06	-0.19	-0.18		ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	115.65	ppb
Zirconium	91-1	0.01	0.00	0.00	0.00	183.73	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:19:22	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23741.56	23867.75	23942.04	23850.45	0.42	ppb
Antimony	121-1	0.04	0.05	0.05	0.05	11.28	ppb
Arsenic	75-2	12.27	12.31	12.70	12.43	1.92	ppb
Barium	135-1	22.02	21.92	21.48	21.80	1.31	ppb
Barium	137-1	21.87	22.18	21.23	21.76	2.23	ppb
Beryllium	9-1	3.51	3.51	3.59	3.54	1.33	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.01	2.16	2.45	2.21	10.10	ppb
Cadmium	106-1	6.59	5.88	5.52	6.00	9.02	ppb
Cadmium	111-1	2.23	2.18	2.05	2.15	4.22	ppb
Calcium	43-1	41711.75	40946.11	41503.50	41387.12	0.96	ppb
Calcium	44-1	46556.10	45505.38	45622.05	45894.51	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11.12	10.69	10.99	10.94	2.01	ppb
Cobalt	59-2	53.44	52.36	52.07	52.62	1.37	ppb
Copper	63-2	94.37	92.96	93.24	93.53	0.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				110		%
Indium	115-1				109		%
Indium	115-2				112		%
Iron	56-2	3457.37	3416.65	3468.44	3447.49	0.79	ppb
Iron	57-2	3317.23	3276.45	3236.48	3276.72	1.23	ppb
Iron	54-2	3094.49	3043.85	3052.96	3063.77	0.88	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:19:22	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.27	15.42	16.11	15.60	2.86	ppb
Lead	207-1	14.67	14.47	15.10	14.74	2.18	ppb
Lead	208-1	14.99	14.80	15.44	15.08	2.17	ppb
Lithium	6-1				91		%
Magnesium	24-2	7602.74	7438.15	7464.42	7501.77	1.18	ppb
Manganese	55-2	4044.29	3913.16	3977.59	3978.35	1.65	ppb
Molybdenum	94-1	0.40	0.36	0.41	0.39	6.49	ppb
Molybdenum	95-1	0.08	0.10	0.11	0.10	13.44	ppb
Molybdenum	96-1	0.09	0.11	0.08	0.09	13.14	ppb
Molybdenum	97-1	0.05	0.06	0.08	0.06	23.49	ppb
Molybdenum	98-1	0.05	0.05	0.06	0.05	11.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	47.87	47.34	47.41	47.54	0.61	ppb
Phosphorus	31-2	1969.70	1944.07	1916.69	1943.49	1.36	ppb
Potassium	39-2	9813.47	9554.47	9627.28	9665.07	1.38	ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				110		%
Scandium	45-2				111		%
Selenium	82-1	0.93	1.41	1.22	1.19	20.56	ppb
Selenium	77-2	26.13	28.40	19.79	24.77	18.02	ppb
Selenium	78-2	6.46	7.33	8.28	7.35	12.36	ppb
Silicon	28-1	1015.10	992.05	1017.05	1008.07	1.38	ppb
Silver	107-1	0.10	0.10	0.09	0.10	5.38	ppb
Silver	109-1	0.03	0.02	0.02	0.02	21.12	ppb
Sodium	23-2	2532.44	2525.78	2564.83	2541.02	0.82	ppb
Strontium	86-1	2721.37	2752.48	2755.06	2742.97	0.68	ppb
Strontium	88-1	3124.50	3141.61	3138.53	3134.88	0.29	ppb
Sulfur	34-1	107257.17	104493.12	102527.77	104759.36	2.27	ppb
Terbium	159-1				109		%
Terbium	159-2				111		%
Thallium	203-1	0.16	0.16	0.17	0.16	3.60	ppb
Thallium	205-1	0.06	0.07	0.07	0.07	7.05	ppb
Tin	118-1	0.05	0.04	0.06	0.05	16.82	ppb
Titanium	47-1	3.34	3.03	3.09	3.15	5.32	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:19:22	DataFile Name :	088SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.40	3.39	3.52	3.44	2.09	ppb
Vanadium	51-2	26.55	26.21	26.73	26.50	1.00	ppb
Yttrium	89-1				137		%
Yttrium	89-2				136		%
Zinc	66-2	327.88	321.46	326.87	325.40	1.06	ppb
Zirconium	90-1	0.21	0.20	0.20	0.20	3.03	ppb
Zirconium	91-1	0.21	0.19	0.23	0.21	8.65	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:22:29	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15207.82	15225.94	15318.54	15250.77	0.39	ppb
Antimony	121-1	0.06	0.06	0.05	0.06	14.22	ppb
Arsenic	75-2	3.96	3.74	3.53	3.74	5.77	ppb
Barium	135-1	28.78	28.19	28.32	28.43	1.10	ppb
Barium	137-1	28.35	28.46	28.45	28.42	0.21	ppb
Beryllium	9-1	1.13	1.07	1.13	1.11	3.37	ppb
Bismuth	209-1				100		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.01	0.97	1.06	1.01	4.24	ppb
Cadmium	106-1	2.70	2.57	3.18	2.82	11.49	ppb
Cadmium	111-1	0.99	0.98	1.05	1.01	3.53	ppb
Calcium	43-1	21700.03	21986.49	22061.94	21916.15	0.87	ppb
Calcium	44-1	24499.20	24919.66	24940.81	24786.56	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.53	4.38	4.52	4.48	1.86	ppb
Cobalt	59-2	10.15	10.04	10.03	10.08	0.65	ppb
Copper	63-2	20.66	20.93	21.22	20.94	1.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				111		%
Iron	56-2	4501.86	4437.02	4526.40	4488.42	1.03	ppb
Iron	57-2	4138.74	4112.38	4098.92	4116.68	0.49	ppb
Iron	54-2	4027.87	4005.17	4032.32	4021.79	0.36	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:22:29	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	19.07	18.77	19.00	18.95	0.84	ppb
Lead	207-1	18.26	17.68	18.12	18.02	1.66	ppb
Lead	208-1	18.30	18.11	18.35	18.26	0.70	ppb
Lithium	6-1				90		%
Magnesium	24-2	3186.02	3263.33	3322.95	3257.43	2.11	ppb
Manganese	55-2	2105.24	2118.78	2111.04	2111.68	0.32	ppb
Molybdenum	94-1	0.73	0.76	0.77	0.75	2.63	ppb
Molybdenum	95-1	0.05	0.06	0.07	0.06	10.15	ppb
Molybdenum	96-1	0.14	0.16	0.14	0.15	9.95	ppb
Molybdenum	97-1	0.07	0.08	0.05	0.07	19.14	ppb
Molybdenum	98-1	0.05	0.04	0.05	0.04	11.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.19	8.19	8.30	8.23	0.78	ppb
Phosphorus	31-2	2950.27	2919.84	2907.25	2925.79	0.76	ppb
Potassium	39-2	6163.48	6154.78	6149.88	6156.05	0.11	ppb
Rhodium	103-1				110		%
Rhodium	103-2				111		%
Scandium	45-1				110		%
Scandium	45-2				110		%
Selenium	82-1	0.68	-0.49	0.81	0.34	212.92	ppb
Selenium	77-2	6.67	5.11	6.42	6.07	13.78	ppb
Selenium	78-2	2.92	2.73	2.56	2.73	6.66	ppb
Silicon	28-1	424.53	431.15	429.87	428.51	0.82	ppb
Silver	107-1	0.02	0.02	0.01	0.02	12.70	ppb
Silver	109-1	0.01	0.01	0.02	0.01	26.30	ppb
Sodium	23-2	1243.16	1231.02	1244.67	1239.61	0.60	ppb
Strontium	86-1	1653.93	1657.88	1694.04	1668.62	1.32	ppb
Strontium	88-1	1906.28	1910.65	1910.28	1909.07	0.13	ppb
Sulfur	34-1	99799.00	100731.36	99873.87	100134.74	0.52	ppb
Terbium	159-1				112		%
Terbium	159-2				109		%
Thallium	203-1	0.08	0.10	0.10	0.10	13.40	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	3.88	ppb
Tin	118-1	0.08	0.09	0.10	0.09	8.90	ppb
Titanium	47-1	14.99	15.32	15.14	15.15	1.09	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:22:29	DataFile Name :	089SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.37	0.38	0.36	0.37	2.09	ppb
Vanadium	51-2	25.48	24.96	25.63	25.36	1.40	ppb
Yttrium	89-1				122		%
Yttrium	89-2				119		%
Zinc	66-2	219.16	217.25	220.22	218.87	0.69	ppb
Zirconium	90-1	0.42	0.42	0.41	0.42	1.27	ppb
Zirconium	91-1	0.39	0.43	0.40	0.41	4.72	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Grillo-OG-07092	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:25:40	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6047.38	5958.43	6035.90	6013.90	0.80	ppb
Antimony	121-1	0.19	0.21	0.22	0.21	9.06	ppb
Arsenic	75-2	4.26	3.81	3.70	3.92	7.54	ppb
Barium	135-1	27.41	27.02	27.15	27.19	0.74	ppb
Barium	137-1	26.72	27.37	27.13	27.07	1.21	ppb
Beryllium	9-1	0.92	0.94	0.90	0.92	2.26	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.27	1.54	1.76	1.52	16.40	ppb
Cadmium	106-1	2.50	3.23	3.00	2.91	12.91	ppb
Cadmium	111-1	1.34	1.44	1.45	1.41	4.40	ppb
Calcium	43-1	117964.33	125460.45	123109.23	122178.00	3.14	ppb
Calcium	44-1	117967.78	122196.62	120971.14	120378.51	1.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.95	6.18	6.04	6.06	1.94	ppb
Cobalt	59-2	11.27	11.10	11.24	11.20	0.81	ppb
Copper	63-2	7.52	7.51	7.42	7.48	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				110		%
Holmium	165-2				109		%
Indium	115-1				110		%
Indium	115-2				113		%
Iron	56-2	4501.32	4553.56	4538.07	4530.98	0.59	ppb
Iron	57-2	4617.12	4746.21	4593.84	4652.39	1.76	ppb
Iron	54-2	4074.97	4058.35	4033.11	4055.48	0.52	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Grillo-OG-07092	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:25:40	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	8.69	8.85	8.87	8.80	1.15	ppb
Lead	207-1	8.35	8.46	8.33	8.38	0.81	ppb
Lead	208-1	8.46	8.53	8.61	8.53	0.84	ppb
Lithium	6-1				90		%
Magnesium	24-2	13017.39	12842.58	12747.36	12869.11	1.06	ppb
Manganese	55-2	1732.55	1781.34	1752.82	1755.57	1.40	ppb
Molybdenum	94-1	0.91	0.97	0.86	0.91	5.98	ppb
Molybdenum	95-1	0.05	0.05	0.05	0.05	1.40	ppb
Molybdenum	96-1	0.15	0.14	0.15	0.15	4.80	ppb
Molybdenum	97-1	0.06	0.06	0.05	0.06	11.32	ppb
Molybdenum	98-1	0.03	0.04	0.05	0.04	28.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.67	11.45	11.34	11.49	1.45	ppb
Phosphorus	31-2	101.04	91.80	105.57	99.47	7.06	ppb
Potassium	39-2	5863.56	5828.15	5845.21	5845.64	0.30	ppb
Rhodium	103-1				111		%
Rhodium	103-2				111		%
Scandium	45-1				111		%
Scandium	45-2				111		%
Selenium	82-1	0.27	0.51	0.02	0.27	90.05	ppb
Selenium	77-2	1.62	0.98	0.78	1.13	39.25	ppb
Selenium	78-2	2.11	2.02	2.62	2.25	14.46	ppb
Silicon	28-1	787.68	828.61	790.95	802.41	2.84	ppb
Silver	107-1	0.01	0.01	0.01	0.01	13.76	ppb
Silver	109-1	0.00	0.01	0.01	0.01	25.70	ppb
Sodium	23-2	2229.71	2143.60	2188.63	2187.31	1.97	ppb
Strontium	86-1	5650.87	5678.13	5680.36	5669.79	0.29	ppb
Strontium	88-1	6448.95	6477.26	6544.49	6490.23	0.76	ppb
Sulfur	34-1	112803.66	117658.28	113999.50	114820.48	2.20	ppb
Terbium	159-1				110		%
Terbium	159-2				110		%
Thallium	203-1	0.07	0.08	0.07	0.07	6.43	ppb
Thallium	205-1	0.07	0.07	0.07	0.07	1.62	ppb
Tin	118-1	0.12	0.13	0.10	0.12	14.22	ppb
Titanium	47-1	1.98	1.90	2.02	1.97	3.18	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Grillo-OG-07092	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:25:40	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.05	0.05	0.04	0.04	1.01	ppb
Vanadium	51-2	7.11	7.23	6.87	7.07	2.58	ppb
Yttrium	89-1				118		%
Yttrium	89-2				115		%
Zinc	66-2	281.28	280.50	282.92	281.57	0.44	ppb
Zirconium	90-1	0.49	0.49	0.53	0.50	4.69	ppb
Zirconium	91-1	0.53	0.56	0.50	0.53	5.44	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 17:34:16	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12136.73	11933.17	12174.18	12081.36	1.07	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	13.12	ppb
Arsenic	75-2	7.27	6.80	6.80	6.96	3.89	ppb
Barium	135-1	10.88	10.52	10.51	10.64	2.00	ppb
Barium	137-1	10.69	10.68	10.55	10.64	0.75	ppb
Beryllium	9-1	1.73	1.82	1.71	1.75	3.45	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.31	1.14	0.81	1.09	23.41	ppb
Cadmium	106-1	2.82	1.42	2.62	2.28	33.14	ppb
Cadmium	111-1	1.12	1.04	1.04	1.07	4.07	ppb
Calcium	43-1	20155.92	20307.06	20577.13	20346.70	1.05	ppb
Calcium	44-1	22822.94	22612.86	22900.11	22778.63	0.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5.65	5.53	5.67	5.62	1.40	ppb
Cobalt	59-2	26.57	26.59	26.14	26.43	0.96	ppb
Copper	63-2	47.07	46.85	46.85	46.92	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				112		%
Iron	56-2	1715.99	1703.08	1699.98	1706.35	0.50	ppb
Iron	57-2	1667.96	1628.75	1635.27	1643.99	1.28	ppb
Iron	54-2	1551.26	1533.32	1538.77	1541.12	0.60	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 17:34:16	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	7.81	7.89	7.94	7.88	0.81	ppb
Lead	207-1	7.28	7.37	7.45	7.37	1.11	ppb
Lead	208-1	7.45	7.57	7.64	7.55	1.31	ppb
Lithium	6-1				88		%
Magnesium	24-2	3837.36	3749.14	3784.62	3790.37	1.17	ppb
Manganese	55-2	1982.76	1969.81	1960.50	1971.02	0.57	ppb
Molybdenum	94-1	0.20	0.22	0.22	0.21	4.65	ppb
Molybdenum	95-1	0.05	0.05	0.06	0.05	10.53	ppb
Molybdenum	96-1	0.05	0.06	0.05	0.05	9.26	ppb
Molybdenum	97-1	0.02	0.05	0.04	0.04	43.40	ppb
Molybdenum	98-1	0.03	0.03	0.02	0.03	8.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.15	24.05	23.66	23.95	1.08	ppb
Phosphorus	31-2	972.99	945.54	963.63	960.72	1.45	ppb
Potassium	39-2	4915.08	4885.79	4921.31	4907.39	0.39	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				113		%
Scandium	45-2				111		%
Selenium	82-1	0.00	0.43	0.58	0.34	88.30	ppb
Selenium	77-2	13.97	13.72	17.50	15.06	14.04	ppb
Selenium	78-2	6.62	6.11	5.12	5.95	12.86	ppb
Silicon	28-1	498.43	490.80	503.06	497.43	1.24	ppb
Silver	107-1	0.04	0.04	0.05	0.04	4.97	ppb
Silver	109-1	0.01	0.01	0.01	0.01	14.83	ppb
Sodium	23-2	1102.51	1091.89	1098.04	1097.48	0.49	ppb
Strontium	86-1	1470.86	1490.81	1523.98	1495.22	1.79	ppb
Strontium	88-1	1701.65	1742.48	1672.31	1705.48	2.07	ppb
Sulfur	34-1	51522.32	52362.44	52001.46	51962.08	0.81	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.09	0.08	0.08	0.08	4.89	ppb
Thallium	205-1	0.03	0.04	0.04	0.04	9.02	ppb
Tin	118-1	0.05	0.06	0.00	0.04	77.57	ppb
Titanium	47-1	1.43	1.49	1.59	1.50	5.18	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 17:34:16	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.67	1.68	1.71	1.69	1.04	ppb
Vanadium	51-2	13.32	13.22	13.32	13.29	0.41	ppb
Yttrium	89-1				128		%
Yttrium	89-2				126		%
Zinc	66-2	166.24	163.12	165.36	164.91	0.98	ppb
Zirconium	90-1	0.10	0.12	0.11	0.11	6.92	ppb
Zirconium	91-1	0.11	0.13	0.11	0.12	8.08	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:57:12	DataFile Name :	093CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52008.50	51992.11	51230.41	51743.67	0.86	ppb
Antimony	121-1	531.48	523.76	515.67	523.63	1.51	ppb
Arsenic	75-2	491.56	509.20	506.15	502.31	1.88	ppb
Barium	135-1	2739.69	2647.33	2553.09	2646.70	3.53	ppb
Barium	137-1	2660.30	2631.86	2584.43	2625.53	1.46	ppb
Beryllium	9-1	548.72	551.81	545.72	548.75	0.55	ppb
Bismuth	209-1				96		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	539.00	539.80	520.74	533.18	2.02	ppb
Cadmium	106-1	537.32	542.45	522.65	534.14	1.92	ppb
Cadmium	111-1	481.33	481.45	468.34	477.04	1.58	ppb
Calcium	43-1	255817.35	263133.06	260014.38	259654.93	1.41	ppb
Calcium	44-1	255660.12	262622.29	258795.33	259025.91	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.47	529.66	523.87	524.67	0.89	ppb
Cobalt	59-2	511.12	521.09	514.92	515.71	0.98	ppb
Copper	63-2	5324.40	5343.53	5280.44	5316.13	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				108		%
Holmium	165-2				110		%
Indium	115-1				107		%
Indium	115-2				111		%
Iron	56-2	132779.96	133195.63	132781.57	132919.05	0.18	ppb
Iron	57-2	130727.36	131739.12	131823.69	131430.06	0.46	ppb
Iron	54-2	133883.32	131861.67	131497.29	132414.09	0.97	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:57:12	DataFile Name :	093CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2568.77	2647.13	2557.92	2591.27	1.88	ppb
Lead	207-1	2614.95	2685.03	2570.14	2623.38	2.21	ppb
Lead	208-1	2594.90	2664.25	2577.23	2612.12	1.76	ppb
Lithium	6-1				87		%
Magnesium	24-2	263682.67	261881.09	267085.35	264216.37	1.00	ppb
Manganese	55-2	5164.67	5208.30	5120.18	5164.38	0.85	ppb
Molybdenum	94-1	5002.44	5127.91	5102.73	5077.70	1.31	ppb
Molybdenum	95-1	5109.09	5087.89	5068.85	5088.61	0.40	ppb
Molybdenum	96-1	5106.87	5097.91	5117.93	5107.57	0.20	ppb
Molybdenum	97-1	5140.08	5079.61	5072.20	5097.30	0.73	ppb
Molybdenum	98-1	5081.84	5156.95	5065.03	5101.27	0.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	501.20	506.40	499.43	502.34	0.72	ppb
Phosphorus	31-2	10205.97	10265.62	10011.10	10160.90	1.31	ppb
Potassium	39-2	130574.60	130810.35	129135.95	130173.63	0.70	ppb
Rhodium	103-1				106		%
Rhodium	103-2				109		%
Scandium	45-1				113		%
Scandium	45-2				114		%
Selenium	82-1	469.01	477.38	476.81	474.40	0.99	ppb
Selenium	77-2	493.18	486.90	490.67	490.25	0.64	ppb
Selenium	78-2	468.37	492.20	493.38	484.65	2.91	ppb
Silicon	28-1	562.73	589.27	578.30	576.76	2.31	ppb
Silver	107-1	533.48	531.48	516.82	527.26	1.72	ppb
Silver	109-1	517.67	524.72	507.51	516.63	1.67	ppb
Sodium	23-2	263703.80	263539.80	254381.15	260541.58	2.05	ppb
Strontium	86-1	11253.84	11509.63	11409.96	11391.14	1.13	ppb
Strontium	88-1	12796.86	13084.11	12933.07	12938.01	1.11	ppb
Sulfur	34-1	8989.83	9184.89	8967.74	9047.49	1.32	ppb
Terbium	159-1				110		%
Terbium	159-2				112		%
Thallium	203-1	518.43	556.06	525.40	533.30	3.75	ppb
Thallium	205-1	518.15	530.93	519.14	522.74	1.36	ppb
Tin	118-1	529.40	540.83	520.90	530.38	1.89	ppb
Titanium	47-1	5149.47	5301.01	5092.76	5181.08	2.08	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:57:12	DataFile Name :	093CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	496.87	527.96	507.44	510.76	3.10	ppb
Vanadium	51-2	531.22	519.13	521.75	524.03	1.21	ppb
Yttrium	89-1				114		%
Yttrium	89-2				114		%
Zinc	66-2	5116.66	5211.52	5147.42	5158.53	0.94	ppb
Zirconium	90-1	512.31	518.60	518.88	516.60	0.72	ppb
Zirconium	91-1	535.32	534.81	540.55	536.89	0.59	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 18:05:42	DataFile Name :	094CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.12	0.07	0.19	0.04	349.61	ppb
Antimony	121-1	0.06	0.04	0.04	0.05	23.67	ppb
Arsenic	75-2	0.00	0.03	0.01	0.01	81.15	ppb
Barium	135-1	0.00	-0.01	-0.01	-0.01		ppb
Barium	137-1	-0.01	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.00	0.01	0.01	0.01	48.37	ppb
Bismuth	209-1				96		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.05	0.02	0.02	0.03	62.54	ppb
Cadmium	106-1	-0.61	1.34	0.34	0.36	272.75	ppb
Cadmium	111-1	-0.04	0.08	0.03	0.03	229.19	ppb
Calcium	43-1	0.28	-3.21	-0.08	-1.00		ppb
Calcium	44-1	42.88	47.97	50.24	47.03	8.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.00	0.04	0.01	356.40	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.04	0.03	0.03	0.04	20.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				110		%
Iron	56-2	1.15	1.29	1.37	1.27	8.86	ppb
Iron	57-2	3.76	3.48	5.99	4.41	31.27	ppb
Iron	54-2	3.19	4.18	2.79	3.39	21.15	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 18:05:42	DataFile Name :	094CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.06	0.03	0.04	26.68	ppb
Lead	207-1	0.05	0.05	0.07	0.06	19.97	ppb
Lead	208-1	0.04	0.05	0.04	0.05	7.57	ppb
Lithium	6-1				83		%
Magnesium	24-2	0.68	0.71	0.91	0.77	16.02	ppb
Manganese	55-2	0.02	0.02	0.06	0.03	69.31	ppb
Molybdenum	94-1	0.08	0.05	0.05	0.06	33.40	ppb
Molybdenum	95-1	0.09	0.04	0.03	0.06	54.61	ppb
Molybdenum	96-1	0.07	0.04	0.06	0.06	29.45	ppb
Molybdenum	97-1	0.10	0.06	0.06	0.07	35.59	ppb
Molybdenum	98-1	0.09	0.04	0.04	0.06	41.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.02	-0.03	-0.02		ppb
Phosphorus	31-2	-48.27	-46.20	-35.30	-43.26		ppb
Potassium	39-2	26.80	28.74	33.95	29.83	12.39	ppb
Rhodium	103-1				108		%
Rhodium	103-2				110		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	-0.03	-0.45	0.55	0.02	2383.29	ppb
Selenium	77-2	-0.08	0.37	0.15	0.14	156.51	ppb
Selenium	78-2	1.15	0.98	2.26	1.46	47.51	ppb
Silicon	28-1	2.49	2.30	1.70	2.16	19.12	ppb
Silver	107-1	0.25	0.10	0.06	0.14	77.82	ppb
Silver	109-1	0.26	0.10	0.05	0.14	78.84	ppb
Sodium	23-2	50.19	49.12	49.31	49.54	1.15	ppb
Strontium	86-1	0.54	0.57	0.38	0.49	20.45	ppb
Strontium	88-1	-0.09	-0.06	-0.12	-0.09		ppb
Sulfur	34-1	-1378.87	-1317.83	-1252.55	-1316.41		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.02	0.02	0.02	0.02	9.04	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	4.81	ppb
Tin	118-1	0.06	0.03	0.01	0.03	79.89	ppb
Titanium	47-1	0.02	0.04	0.01	0.02	75.01	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 18:05:42	DataFile Name :	094CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	45.84	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	-0.17	-0.10	-0.19	-0.15		ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	27.80	ppb
Zirconium	91-1	0.00	0.01	0.00	0.00	76.27	ppb

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:55:37	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	303	290	287	293	3.01	cps
Antimony	121-1	23	33	33	30	19.25	cps
Arsenic	75-2	4	7	4	5	40.36	cps
Barium	135-1	20	63	30	38	60.06	cps
Barium	137-1	67	80	83	77	11.50	cps
Beryllium	9-1	0	10	3	5	109.20	cps
Bismuth	209-1	4604530	4535746	4649650	4596642	1.25	cps
Bismuth	209-2	4110474	3974530	4064979	4049994	1.71	cps
Bromine	81-1	7939	8196	7906	8013	1.98	cps
Bromine	81-2	193	173	183	183	5.45	cps
Cadmium	108-1	3	7	3	4	43.40	cps
Cadmium	106-1	1967	1910	1837	1905	3.42	cps
Cadmium	111-1	1381	1346	1290	1339	3.43	cps
Calcium	43-1	357	337	383	359	6.52	cps
Calcium	44-1	22491	22531	22273	22432	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1600	1513	1690	1601	5.52	cps
Cobalt	59-2	83	90	73	82	10.20	cps
Copper	63-2	1350	1387	1287	1341	3.77	cps
Dysprosium	156-1	0	17	0	6	173.21	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	50	43	27	40	30.04	cps
Erbium	164-2	20	13	27	20	33.35	cps
Gadolinium	160-1	37	23	27	29	24.03	cps
Gadolinium	160-2	320	290	277	296	7.51	cps
Holmium	165-1	6859534	6866207	6886947	6870896	0.21	cps
Holmium	165-2	5464142	5252390	5315508	5344013	2.03	cps
Indium	115-1	5875792	5722779	5719776	5772782	1.55	cps
Indium	115-2	2273561	2284375	2300541	2286159	0.59	cps
Iron	56-2	18074	17684	17373	17711	1.98	cps
Iron	57-2	1120	1193	1113	1142	3.89	cps
Iron	54-2	2160	2310	2073	2181	5.49	cps
Krypton	83-1	480	437	413	443	7.63	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:55:37	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	453	410	380	414	8.90	cps
Lead	207-1	327	360	393	360	9.26	cps
Lead	208-1	1660	1600	1723	1661	3.71	cps
Lithium	6-1	504471	501302	508606	504793	0.73	cps
Magnesium	24-2	340	290	347	326	9.51	cps
Manganese	55-2	920	843	850	871	4.88	cps
Molybdenum	94-1	207	180	260	216	18.90	cps
Molybdenum	95-1	213	150	143	169	22.88	cps
Molybdenum	96-1	253	173	203	210	19.24	cps
Molybdenum	97-1	127	107	130	121	10.42	cps
Molybdenum	98-1	267	263	190	240	18.06	cps
Neodymium	150-1	10	7	13	10	33.30	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	431	525	483	480	9.82	cps
Phosphorus	31-2	660	667	637	654	2.41	cps
Potassium	39-2	59991	60490	58833	59771	1.42	cps
Rhodium	103-1	5669421	5739496	5677194	5695370	0.67	cps
Rhodium	103-2	3707750	3710732	3762946	3727143	0.83	cps
Scandium	45-1	3517150	3469011	3483306	3489822	0.71	cps
Scandium	45-2	312045	305463	306115	307874	1.18	cps
Selenium	82-1	205	318	273	265	21.34	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	383	353	347	361	5.41	cps
Silicon	28-1	501671	502831	504603	503035	0.29	cps
Silver	107-1	60	67	57	61	8.21	cps
Silver	109-1	43	23	37	34	29.57	cps
Sodium	23-2	17637	17667	17256	17520	1.31	cps
Strontium	86-1	670	777	703	717	7.61	cps
Strontium	88-1	270	237	213	240	11.87	cps
Sulfur	34-1	184469	183146	185063	184226	0.53	cps
Terbium	159-1	6960371	6971168	6949987	6960509	0.15	cps
Terbium	159-2	5284824	5248040	5164933	5232599	1.17	cps
Thallium	203-1	50	40	63	51	22.90	cps
Thallium	205-1	173	150	150	158	8.45	cps
Tin	118-1	1713	1653	1483	1617	7.38	cps
Titanium	47-1	107	67	83	86	23.48	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:55:37	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	3	13	13	75.02	cps
Vanadium	51-2	13	17	27	19	36.75	cps
Yttrium	89-1	8962709	8981407	9007181	8983766	0.25	cps
Yttrium	89-2	2759081	2708805	2720364	2729417	0.96	cps
Zinc	66-2	1537	1417	1543	1499	4.76	cps
Zirconium	90-1	353	280	310	314	11.72	cps
Zirconium	91-1	83	50	70	68	24.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:58:55	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3577	3557	3747	3627	2.88	cps
Antimony	121-1	11365	11591	11505	11487	1.00	cps
Arsenic	75-2	397	407	444	416	6.01	cps
Barium	135-1	14261	13857	13787	13968	1.83	cps
Barium	137-1	23496	24067	24110	23891	1.44	cps
Beryllium	9-1	1105	1112	1112	1110	0.38	cps
Bismuth	209-1	4489565	4441926	4533748	4488413	1.02	cps
Bismuth	209-2	4005540	4076800	4001544	4027961	1.05	cps
Bromine	81-1	7926	7849	8106	7960	1.66	cps
Bromine	81-2	190	140	157	162	15.69	cps
Cadmium	108-1	117	157	123	132	16.21	cps
Cadmium	106-1	2100	2227	2050	2126	4.28	cps
Cadmium	111-1	3022	2986	3062	3023	1.26	cps
Calcium	43-1	9213	8989	9026	9076	1.32	cps
Calcium	44-1	163754	164047	162487	163429	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7815	8116	8302	8078	3.04	cps
Cobalt	59-2	5328	5298	5464	5363	1.66	cps
Copper	63-2	8776	8733	8192	8567	3.80	cps
Dysprosium	156-1	7	3	13	8	65.47	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	27	33	47	36	28.64	cps
Erbium	164-2	27	30	13	23	37.81	cps
Gadolinium	160-1	50	33	37	40	22.05	cps
Gadolinium	160-2	287	343	307	312	9.21	cps
Holmium	165-1	6932794	6893352	6811057	6879068	0.90	cps
Holmium	165-2	5327803	5265296	5253076	5282059	0.76	cps
Indium	115-1	5666860	5709302	5764803	5713655	0.86	cps
Indium	115-2	2254319	2307625	2274301	2278748	1.18	cps
Iron	56-2	170430	168951	167947	169109	0.74	cps
Iron	57-2	4884	5068	4904	4952	2.03	cps
Iron	54-2	10757	10741	10854	10784	0.57	cps
Krypton	83-1	433	347	373	384	11.55	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:58:55	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4871	4751	4904	4842	1.67	cps
Lead	207-1	4174	4204	4347	4242	2.18	cps
Lead	208-1	18919	19099	19265	19094	0.91	cps
Lithium	6-1	515461	502692	499940	506031	1.64	cps
Magnesium	24-2	146107	149788	147368	147754	1.27	cps
Manganese	55-2	3487	3420	3244	3384	3.72	cps
Molybdenum	94-1	12372	12349	12766	12495	1.88	cps
Molybdenum	95-1	16036	15578	15615	15743	1.61	cps
Molybdenum	96-1	17113	17481	17537	17377	1.32	cps
Molybdenum	97-1	9883	9653	9773	9770	1.18	cps
Molybdenum	98-1	25148	24925	24845	24973	0.63	cps
Neodymium	150-1	7	7	3	6	34.70	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	2380	2357	2355	2364	0.58	cps
Phosphorus	31-2	913	917	917	916	0.21	cps
Potassium	39-2	229340	228818	225807	227988	0.84	cps
Rhodium	103-1	5637594	5695493	5621032	5651373	0.69	cps
Rhodium	103-2	3721751	3741138	3739524	3734137	0.29	cps
Scandium	45-1	3453470	3457156	3404715	3438447	0.85	cps
Scandium	45-2	305336	307975	305191	306167	0.51	cps
Selenium	82-1	1019	1002	1074	1031	3.66	cps
Selenium	77-2	60	53	73	62	16.37	cps
Selenium	78-2	647	630	553	610	8.16	cps
Silicon	28-1	531509	522594	529468	527857	0.88	cps
Silver	107-1	8084	7931	7988	8001	0.97	cps
Silver	109-1	7769	7545	7209	7508	3.76	cps
Sodium	23-2	246495	247779	243396	245890	0.92	cps
Strontium	86-1	2764	2504	2574	2614	5.15	cps
Strontium	88-1	16553	17023	16663	16746	1.47	cps
Sulfur	34-1	187091	187613	187080	187261	0.16	cps
Terbium	159-1	7190746	6996460	7108334	7098513	1.37	cps
Terbium	159-2	5166661	5252640	5127266	5182189	1.24	cps
Thallium	203-1	5464	5371	5464	5433	0.99	cps
Thallium	205-1	12486	12479	13089	12685	2.76	cps
Tin	118-1	25673	25733	25843	25750	0.34	cps
Titanium	47-1	4014	4111	4124	4083	1.47	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 10:58:55	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17832	17201	17572	17535	1.81	cps
Vanadium	51-2	12919	12866	13173	12986	1.26	cps
Yttrium	89-1	9018511	8967812	8928785	8971702	0.50	cps
Yttrium	89-2	2697329	2741850	2673234	2704138	1.29	cps
Zinc	66-2	5068	5248	5138	5151	1.76	cps
Zirconium	90-1	10490	10514	10140	10382	2.02	cps
Zirconium	91-1	2347	2260	2117	2241	5.18	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:05:30	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	158675	156778	158140	157864	0.62	cps
Antimony	121-1	265600	265696	260789	264028	1.06	cps
Arsenic	75-2	19015	18989	18857	18954	0.45	cps
Barium	135-1	317738	323588	315299	318875	1.34	cps
Barium	137-1	560704	559434	550570	556903	0.99	cps
Beryllium	9-1	50649	49998	49422	50023	1.23	cps
Bismuth	209-1	4555788	4404339	4506693	4488940	1.72	cps
Bismuth	209-2	4014968	3983604	3899669	3966080	1.50	cps
Bromine	81-1	7735	7712	8272	7907	4.01	cps
Bromine	81-2	157	187	207	183	13.73	cps
Cadmium	108-1	5524	5541	5391	5486	1.50	cps
Cadmium	106-1	10084	9697	9853	9878	1.97	cps
Cadmium	111-1	80262	78907	78670	79279	1.08	cps
Calcium	43-1	82493	81615	80040	81383	1.53	cps
Calcium	44-1	1418043	1484708	1446882	1449878	2.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	143294	141114	141873	142094	0.78	cps
Cobalt	59-2	218215	218878	217262	218118	0.37	cps
Copper	63-2	1800679	1838673	1799452	1812935	1.23	cps
Dysprosium	156-1	20	20	3	14	66.64	cps
Dysprosium	156-2	17	17	13	16	12.40	cps
Erbium	164-1	57	53	70	60	14.70	cps
Erbium	164-2	27	43	30	33	26.45	cps
Gadolinium	160-1	53	47	33	44	22.92	cps
Gadolinium	160-2	327	300	280	302	7.75	cps
Holmium	165-1	6888167	6779889	6826022	6831359	0.80	cps
Holmium	165-2	5307749	5216933	5174823	5233168	1.30	cps
Indium	115-1	5712983	5681983	5661467	5685478	0.46	cps
Indium	115-2	2170158	2247050	2236768	2217992	1.88	cps
Iron	56-2	7484081	7528978	7565473	7526177	0.54	cps
Iron	57-2	172306	172096	172595	172332	0.15	cps
Iron	54-2	383686	382689	383469	383281	0.14	cps
Krypton	83-1	450	480	440	457	4.56	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:05:30	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1075293	1070960	1055095	1067116	1.00	cps
Lead	207-1	915835	919933	905810	913859	0.80	cps
Lead	208-1	4733053	4692760	4676162	4700658	0.62	cps
Lithium	6-1	507543	504756	495745	502682	1.23	cps
Magnesium	24-2	1591954	1640172	1585841	1605989	1.85	cps
Manganese	55-2	1088248	1094261	1085705	1089405	0.40	cps
Molybdenum	94-1	981932	987720	980640	983431	0.38	cps
Molybdenum	95-1	1630546	1636362	1591896	1619601	1.49	cps
Molybdenum	96-1	1805152	1779981	1751568	1778900	1.51	cps
Molybdenum	97-1	879407	888194	869986	879195	1.04	cps
Molybdenum	98-1	2608043	2566514	2577870	2584142	0.83	cps
Neodymium	150-1	7	17	10	11	45.82	cps
Neodymium	150-2	7	0	17	8	107.84	cps
Nickel	60-2	78498	77794	78204	78165	0.45	cps
Phosphorus	31-2	9336	9570	9193	9366	2.03	cps
Potassium	39-2	835121	833866	841042	836676	0.46	cps
Rhodium	103-1	5618611	5538921	5503340	5553624	1.06	cps
Rhodium	103-2	3637763	3571618	3652343	3620574	1.19	cps
Scandium	45-1	3435462	3363668	3346207	3381779	1.40	cps
Scandium	45-2	298001	298344	298952	298432	0.16	cps
Selenium	82-1	6467	6695	6232	6465	3.58	cps
Selenium	77-2	670	737	633	680	7.70	cps
Selenium	78-2	2624	2734	2550	2636	3.50	cps
Silicon	28-1	2750352	2785535	2755618	2763835	0.69	cps
Silver	107-1	377662	384031	379555	380416	0.86	cps
Silver	109-1	347543	353402	345198	348714	1.21	cps
Sodium	23-2	2470242	2457201	2434930	2454124	0.73	cps
Strontium	86-1	88266	88498	87562	88108	0.55	cps
Strontium	88-1	762357	768842	762825	764674	0.47	cps
Sulfur	34-1	212217	212898	211641	212252	0.30	cps
Terbium	159-1	6926140	6979974	6989550	6965222	0.49	cps
Terbium	159-2	5086896	5105128	5066429	5086151	0.38	cps
Thallium	203-1	256052	255883	255976	255971	0.03	cps
Thallium	205-1	591198	594984	587084	591089	0.67	cps
Tin	118-1	229146	232149	228294	229863	0.88	cps
Titanium	47-1	382989	381708	373107	379268	1.42	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:05:30	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	797401	801182	791708	796764	0.60	cps
Vanadium	51-2	116022	116395	117346	116588	0.59	cps
Yttrium	89-1	8795630	8894518	8665426	8785191	1.31	cps
Yttrium	89-2	2625535	2609526	2617286	2617449	0.31	cps
Zinc	66-2	298007	300696	298760	299154	0.46	cps
Zirconium	90-1	478556	484983	477286	480275	0.86	cps
Zirconium	91-1	106574	107860	105892	106775	0.94	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:08:38	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	394342	393716	389048	392369	0.74	cps
Antimony	121-1	641600	654708	656967	651092	1.27	cps
Arsenic	75-2	47934	47504	48273	47904	0.80	cps
Barium	135-1	773672	780373	787127	780391	0.86	cps
Barium	137-1	1335851	1427943	1373822	1379205	3.36	cps
Beryllium	9-1	122914	125614	125230	124586	1.17	cps
Bismuth	209-1	4482405	4417555	4528629	4476196	1.25	cps
Bismuth	209-2	4087477	4138133	4030369	4085326	1.32	cps
Bromine	81-1	8216	8082	8079	8126	0.96	cps
Bromine	81-2	140	190	160	163	15.41	cps
Cadmium	108-1	13296	13413	13653	13454	1.35	cps
Cadmium	106-1	20585	20495	20498	20526	0.25	cps
Cadmium	111-1	190613	191920	192953	191828	0.61	cps
Calcium	43-1	194166	193818	195287	194424	0.40	cps
Calcium	44-1	3467031	3470462	3523724	3487072	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	355961	356004	356012	355992	0.01	cps
Cobalt	59-2	547751	551375	549251	549459	0.33	cps
Copper	63-2	4625061	4593489	4504505	4574352	1.37	cps
Dysprosium	156-1	17	23	20	20	16.65	cps
Dysprosium	156-2	60	67	43	57	21.21	cps
Erbium	164-1	60	57	77	64	16.63	cps
Erbium	164-2	57	47	47	50	11.55	cps
Gadolinium	160-1	47	67	50	54	19.68	cps
Gadolinium	160-2	263	310	360	311	15.54	cps
Holmium	165-1	6793386	6682248	6963962	6813199	2.08	cps
Holmium	165-2	5403255	5471291	5296998	5390514	1.63	cps
Indium	115-1	5582866	5496812	5514274	5531317	0.82	cps
Indium	115-2	2312239	2294269	2246390	2284299	1.49	cps
Iron	56-2	18789440	18796095	18672549	18752694	0.37	cps
Iron	57-2	433592	430826	424099	429506	1.14	cps
Iron	54-2	953297	948979	956772	953016	0.41	cps
Krypton	83-1	477	487	423	462	7.37	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:08:38	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3095499	3103667	3100157	3099774	0.13	cps
Lead	207-1	2710894	2722005	2725493	2719464	0.28	cps
Lead	208-1	12281670	12460958	12382938	12375188	0.73	cps
Lithium	6-1	492478	494743	494208	493810	0.24	cps
Magnesium	24-2	3996657	3884771	3930498	3937309	1.43	cps
Manganese	55-2	3061768	3128675	3140144	3110196	1.36	cps
Molybdenum	94-1	2741371	2737894	2813180	2764148	1.54	cps
Molybdenum	95-1	3867942	3971133	4055361	3964812	2.37	cps
Molybdenum	96-1	4287996	4342812	4404833	4345214	1.35	cps
Molybdenum	97-1	2468414	2448818	2479213	2465482	0.62	cps
Molybdenum	98-1	6362242	6277361	6406400	6348668	1.03	cps
Neodymium	150-1	33	53	37	41	26.06	cps
Neodymium	150-2	13	7	20	13	49.99	cps
Nickel	60-2	193133	194489	194763	194128	0.45	cps
Phosphorus	31-2	22921	22627	21749	22432	2.72	cps
Potassium	39-2	2206651	2221404	2197123	2208393	0.55	cps
Rhodium	103-1	5469742	5446600	5589310	5501884	1.39	cps
Rhodium	103-2	3699697	3732664	3689345	3707235	0.61	cps
Scandium	45-1	3360039	3347888	3377892	3361940	0.45	cps
Scandium	45-2	301561	306155	304273	303996	0.76	cps
Selenium	82-1	15265	15495	15706	15489	1.42	cps
Selenium	77-2	1753	1760	1577	1697	6.13	cps
Selenium	78-2	6018	6051	6261	6110	2.16	cps
Silicon	28-1	5482345	5639330	5655168	5592281	1.71	cps
Silver	107-1	918559	930191	950761	933171	1.75	cps
Silver	109-1	834756	856527	871309	854197	2.15	cps
Sodium	23-2	6072350	5931154	5964670	5989392	1.23	cps
Strontium	86-1	210888	216288	213788	213655	1.26	cps
Strontium	88-1	2126818	2187494	2128798	2147703	1.61	cps
Sulfur	34-1	244383	244636	242881	243967	0.39	cps
Terbium	159-1	6927643	6915325	7029358	6957442	0.90	cps
Terbium	159-2	5200722	5156408	5178208	5178446	0.43	cps
Thallium	203-1	620891	629424	635319	628545	1.15	cps
Thallium	205-1	1442517	1459638	1464092	1455416	0.78	cps
Tin	118-1	547105	554573	562431	554703	1.38	cps
Titanium	47-1	917976	917205	928957	921379	0.71	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:08:38	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2365961	2458810	2457006	2427259	2.19	cps
Vanadium	51-2	292402	294148	293174	293241	0.30	cps
Yttrium	89-1	8723037	8680196	8719728	8707653	0.27	cps
Yttrium	89-2	2663893	2672843	2660372	2665703	0.24	cps
Zinc	66-2	740960	744898	729288	738382	1.10	cps
Zirconium	90-1	1172783	1185120	1191001	1182968	0.79	cps
Zirconium	91-1	259668	263604	265456	262909	1.12	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:11:38	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	778075	788783	771357	779405	1.13	cps
Antimony	121-1	1296517	1323934	1323345	1314599	1.19	cps
Arsenic	75-2	96205	96406	95738	96116	0.36	cps
Barium	135-1	1812382	1863741	1821109	1832411	1.50	cps
Barium	137-1	3184043	3290189	3222109	3232113	1.66	cps
Beryllium	9-1	245578	250015	248432	248008	0.91	cps
Bismuth	209-1	4430292	4424818	4493373	4449495	0.86	cps
Bismuth	209-2	4019151	3950638	3918858	3962882	1.29	cps
Bromine	81-1	7492	8256	8246	7998	5.48	cps
Bromine	81-2	137	127	147	137	7.32	cps
Cadmium	108-1	27236	28027	27706	27656	1.44	cps
Cadmium	106-1	38792	39594	39805	39397	1.36	cps
Cadmium	111-1	376467	384397	384988	381951	1.25	cps
Calcium	43-1	383286	391545	396274	390369	1.68	cps
Calcium	44-1	6902750	6984365	7021012	6969376	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	704713	698840	702392	701982	0.42	cps
Cobalt	59-2	1091898	1087921	1091810	1090543	0.21	cps
Copper	63-2	9223324	9157950	9096373	9159216	0.69	cps
Dysprosium	156-1	30	30	23	28	13.86	cps
Dysprosium	156-2	73	80	80	78	4.95	cps
Erbium	164-1	80	83	110	91	18.05	cps
Erbium	164-2	53	90	63	69	27.52	cps
Gadolinium	160-1	50	67	63	60	14.70	cps
Gadolinium	160-2	287	280	337	301	10.28	cps
Holmium	165-1	6860773	6839423	6983863	6894687	1.13	cps
Holmium	165-2	5243926	5177682	5308626	5243411	1.25	cps
Indium	115-1	5483679	5574688	5525048	5527805	0.82	cps
Indium	115-2	2197948	2217372	2211020	2208780	0.45	cps
Iron	56-2	37708664	37842625	37136236	37562508	1.00	cps
Iron	57-2	860573	854715	854143	856477	0.42	cps
Iron	54-2	2151316	2104186	2107959	2121154	1.23	cps
Krypton	83-1	443	387	433	421	7.18	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:11:38	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6309126	6445364	6373317	6375936	1.07	cps
Lead	207-1	5495141	5472096	5619138	5528792	1.43	cps
Lead	208-1	25033729	25289093	25610120	25310981	1.14	cps
Lithium	6-1	480134	486661	484701	483832	0.69	cps
Magnesium	24-2	7879645	7761500	7648651	7763265	1.49	cps
Manganese	55-2	6258729	6135578	6280721	6225009	1.26	cps
Molybdenum	94-1	5486953	5630409	5580457	5565940	1.31	cps
Molybdenum	95-1	7887589	8141126	8205834	8078183	2.08	cps
Molybdenum	96-1	8720812	8688053	8851615	8753493	0.99	cps
Molybdenum	97-1	4893369	4945789	4986556	4941905	0.95	cps
Molybdenum	98-1	12610268	12893163	12929877	12811103	1.37	cps
Neodymium	150-1	80	57	57	64	20.90	cps
Neodymium	150-2	33	50	40	41	20.41	cps
Nickel	60-2	389241	385559	389689	388163	0.58	cps
Phosphorus	31-2	43542	42806	43124	43157	0.85	cps
Potassium	39-2	4288280	4224062	4280371	4264238	0.82	cps
Rhodium	103-1	5384262	5485356	5513762	5461127	1.25	cps
Rhodium	103-2	3611972	3603901	3614726	3610199	0.16	cps
Scandium	45-1	3315096	3315460	3334225	3321594	0.33	cps
Scandium	45-2	297700	298425	296526	297551	0.32	cps
Selenium	82-1	30034	30844	30770	30549	1.47	cps
Selenium	77-2	3314	3357	3460	3377	2.23	cps
Selenium	78-2	11591	11668	11364	11541	1.37	cps
Silicon	28-1	10035769	10357818	10441649	10278412	2.08	cps
Silver	107-1	2132793	2188434	2146830	2156019	1.34	cps
Silver	109-1	1965209	2020468	1991517	1992398	1.39	cps
Sodium	23-2	11950659	12054493	11913981	11973044	0.61	cps
Strontium	86-1	426016	435219	436066	432434	1.29	cps
Strontium	88-1	4237734	4332043	4338434	4302737	1.31	cps
Sulfur	34-1	292635	295571	294455	294220	0.50	cps
Terbium	159-1	6864421	6934834	6962812	6920689	0.73	cps
Terbium	159-2	5181776	5170453	5143508	5165246	0.38	cps
Thallium	203-1	1260635	1290615	1288435	1279895	1.31	cps
Thallium	205-1	3661419	3661084	3633974	3652159	0.43	cps
Tin	118-1	1106054	1133645	1126938	1122212	1.28	cps
Titanium	47-1	2073473	2141309	2133318	2116033	1.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:11:38	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4862923	5008542	4999846	4957104	1.65	cps
Vanadium	51-2	588313	587461	588780	588185	0.11	cps
Yttrium	89-1	8649923	8809079	8716304	8725102	0.92	cps
Yttrium	89-2	2642848	2637354	2641935	2640712	0.11	cps
Zinc	66-2	1661978	1669568	1680998	1670848	0.57	cps
Zirconium	90-1	2749491	2721559	2771315	2747455	0.91	cps
Zirconium	91-1	520636	534137	536877	530550	1.64	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:14:32	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1906111	1885889	1882103	1891368	0.68	cps
Antimony	121-1	3030632	3200114	3139418	3123388	2.75	cps
Arsenic	75-2	202546	197861	197786	199398	1.37	cps
Barium	135-1	3856647	3920600	3848190	3875146	1.02	cps
Barium	137-1	6671987	6704212	6727612	6701271	0.42	cps
Beryllium	9-1	491627	502603	495993	496741	1.11	cps
Bismuth	209-1	4533603	4656560	4663324	4617829	1.58	cps
Bismuth	209-2	4053137	4036300	4019734	4036390	0.41	cps
Bromine	81-1	8122	8249	8059	8143	1.19	cps
Bromine	81-2	163	147	143	151	7.09	cps
Cadmium	108-1	55807	55573	56724	56034	1.09	cps
Cadmium	106-1	76359	79878	80337	78858	2.76	cps
Cadmium	111-1	769459	788164	786924	781516	1.34	cps
Calcium	43-1	780679	800957	795514	792383	1.32	cps
Calcium	44-1	14141876	14355073	14104972	14200640	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1644148	1630580	1609497	1628075	1.07	cps
Cobalt	59-2	2647063	2544739	2593284	2595029	1.97	cps
Copper	63-2	18876325	18705413	18421350	18667696	1.23	cps
Dysprosium	156-1	87	77	67	77	13.04	cps
Dysprosium	156-2	163	157	240	187	24.81	cps
Erbium	164-1	120	143	120	128	10.55	cps
Erbium	164-2	77	117	97	97	20.69	cps
Gadolinium	160-1	103	87	80	90	13.35	cps
Gadolinium	160-2	297	350	347	331	9.02	cps
Holmium	165-1	6934509	7214335	7011352	7053399	2.05	cps
Holmium	165-2	5454610	5431983	5307006	5397866	1.47	cps
Indium	115-1	5506790	5736787	5758355	5667311	2.46	cps
Indium	115-2	2288345	2266913	2270848	2275368	0.50	cps
Iron	56-2	79438780	77449629	78487851	78458753	1.27	cps
Iron	57-2	2004706	1953244	1967352	1975101	1.35	cps
Iron	54-2	4387368	4285928	4360974	4344757	1.21	cps
Krypton	83-1	443	430	477	450	5.34	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:14:32	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13208804	13510441	13123869	13281038	1.53	cps
Lead	207-1	11390544	11520733	11371362	11427546	0.71	cps
Lead	208-1	52036298	53232848	52624524	52631223	1.14	cps
Lithium	6-1	485330	484764	477175	482423	0.94	cps
Magnesium	24-2	16392255	16412711	16322427	16375798	0.29	cps
Manganese	55-2	13029451	12942997	13024793	12999080	0.37	cps
Molybdenum	94-1	11460591	11827064	11867548	11718401	1.91	cps
Molybdenum	95-1	16346665	16972730	16401489	16573628	2.09	cps
Molybdenum	96-1	17989882	18433138	18330234	18251085	1.27	cps
Molybdenum	97-1	10138250	10393457	10352000	10294569	1.33	cps
Molybdenum	98-1	25943928	27448410	26442272	26611537	2.88	cps
Neodymium	150-1	170	153	137	153	10.87	cps
Neodymium	150-2	40	23	57	40	41.68	cps
Nickel	60-2	835541	814057	821447	823682	1.33	cps
Phosphorus	31-2	89439	88182	88374	88665	0.76	cps
Potassium	39-2	8876113	8766787	8737769	8793556	0.83	cps
Rhodium	103-1	5434125	5505516	5434300	5457980	0.75	cps
Rhodium	103-2	3704363	3722575	3723488	3716809	0.29	cps
Scandium	45-1	3386021	3405724	3403790	3398512	0.32	cps
Scandium	45-2	307180	303839	305505	305508	0.55	cps
Selenium	82-1	61412	63113	62829	62451	1.46	cps
Selenium	77-2	6952	6855	6852	6886	0.83	cps
Selenium	78-2	23672	23759	22901	23444	2.01	cps
Silicon	28-1	19932593	20304036	20190140	20142257	0.94	cps
Silver	107-1	4302221	4356797	4486211	4381743	2.16	cps
Silver	109-1	3979668	4033389	4034738	4015932	0.78	cps
Sodium	23-2	24636729	24968838	24846568	24817378	0.68	cps
Strontium	86-1	870916	900744	901998	891219	1.97	cps
Strontium	88-1	8883537	9125533	8860186	8956418	1.64	cps
Sulfur	34-1	401969	408467	408019	406152	0.89	cps
Terbium	159-1	7069822	7202331	7048717	7106957	1.17	cps
Terbium	159-2	5379930	5233788	5363124	5325614	1.50	cps
Thallium	203-1	3138213	3290346	3141066	3189875	2.73	cps
Thallium	205-1	7201216	7588486	7421695	7403799	2.62	cps
Tin	118-1	2630663	2729067	2672479	2677403	1.84	cps
Titanium	47-1	4351333	4359635	4381043	4364004	0.35	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:14:32	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10054769	10261161	10369589	10228507	1.56	cps
Vanadium	51-2	1380233	1391024	1382168	1384475	0.42	cps
Yttrium	89-1	8769547	9103412	8965758	8946239	1.88	cps
Yttrium	89-2	2738508	2670643	2734938	2714696	1.41	cps
Zinc	66-2	3400955	3455183	3393076	3416405	0.99	cps
Zirconium	90-1	5537520	5785271	5649438	5657410	2.19	cps
Zirconium	91-1	1074495	1114945	1109459	1099633	2.00	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:17:17	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3768005	3719607	3766044	3751219	0.73	cps
Antimony	121-1	6477682	6405875	6459885	6447814	0.58	cps
Arsenic	75-2	407671	403749	403601	405007	0.57	cps
Barium	135-1	7754327	7966859	7893915	7871700	1.37	cps
Barium	137-1	13551366	13752438	13994838	13766214	1.61	cps
Beryllium	9-1	975888	977012	978825	977241	0.15	cps
Bismuth	209-1	4532854	4483217	4590170	4535413	1.18	cps
Bismuth	209-2	3973156	3964748	4019213	3985706	0.74	cps
Bromine	81-1	8686	8296	8749	8577	2.86	cps
Bromine	81-2	143	140	143	142	1.36	cps
Cadmium	108-1	113987	113342	115052	114127	0.76	cps
Cadmium	106-1	154586	158451	158033	157024	1.35	cps
Cadmium	111-1	1783861	1844999	1816065	1814975	1.69	cps
Calcium	43-1	1779750	1790283	1816880	1795638	1.07	cps
Calcium	44-1	29120736	29326336	29207618	29218230	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3387422	3301752	3391978	3360384	1.51	cps
Cobalt	59-2	5284088	5246090	5241631	5257270	0.44	cps
Copper	63-2	38139219	38282324	38227486	38216343	0.19	cps
Dysprosium	156-1	107	137	160	134	19.88	cps
Dysprosium	156-2	450	340	443	411	15.00	cps
Erbium	164-1	213	217	247	226	8.14	cps
Erbium	164-2	173	193	210	192	9.55	cps
Gadolinium	160-1	140	150	150	147	3.94	cps
Gadolinium	160-2	377	360	390	376	4.00	cps
Holmium	165-1	7074432	7061774	6971015	7035740	0.80	cps
Holmium	165-2	5446089	5351899	5445575	5414521	1.00	cps
Indium	115-1	5537918	5622523	5632254	5597565	0.93	cps
Indium	115-2	2228857	2277840	2220535	2242411	1.38	cps
Iron	56-2	159726161	157785961	158938501	158816874	0.61	cps
Iron	57-2	3993526	3938323	3879103	3936984	1.45	cps
Iron	54-2	8867216	8679579	8827252	8791349	1.12	cps
Krypton	83-1	460	467	490	472	3.34	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:17:17	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	27189225	26453224	26628377	26756942	1.44	cps
Lead	207-1	22928865	23117441	22917930	22988079	0.49	cps
Lead	208-1	106492364	105772179	105522208	105928917	0.48	cps
Lithium	6-1	474608	464493	469613	469571	1.08	cps
Magnesium	24-2	32682641	32512724	32520855	32572073	0.29	cps
Manganese	55-2	26662783	26006005	26261341	26310043	1.26	cps
Molybdenum	94-1	23722265	24191989	24136780	24017012	1.07	cps
Molybdenum	95-1	34587442	34904914	34323019	34605125	0.84	cps
Molybdenum	96-1	37869705	37799526	37938896	37869376	0.18	cps
Molybdenum	97-1	21391564	21467487	21396259	21418437	0.20	cps
Molybdenum	98-1	54931116	54858286	55019078	54936160	0.15	cps
Neodymium	150-1	300	303	217	273	17.97	cps
Neodymium	150-2	70	100	97	89	18.50	cps
Nickel	60-2	1673873	1666220	1669632	1669908	0.23	cps
Phosphorus	31-2	180253	179909	177706	179289	0.77	cps
Potassium	39-2	17915688	17885887	18251332	18017635	1.13	cps
Rhodium	103-1	5474180	5493989	5526342	5498170	0.48	cps
Rhodium	103-2	3698346	3682415	3712189	3697650	0.40	cps
Scandium	45-1	3375510	3457282	3405178	3412657	1.21	cps
Scandium	45-2	310063	310337	314179	311526	0.74	cps
Selenium	82-1	123316	123795	124992	124034	0.70	cps
Selenium	77-2	13316	13823	13883	13674	2.28	cps
Selenium	78-2	47178	47098	46807	47028	0.42	cps
Silicon	28-1	34474048	34352590	35693044	34839894	2.13	cps
Silver	107-1	8917875	8987692	8938533	8948034	0.40	cps
Silver	109-1	8266603	8379479	8325961	8324014	0.68	cps
Sodium	23-2	49819546	49358094	50208813	49795484	0.86	cps
Strontium	86-1	2094140	2094241	2143543	2110641	1.35	cps
Strontium	88-1	18249975	18396622	18648532	18431710	1.09	cps
Sulfur	34-1	642460	639679	645475	642538	0.45	cps
Terbium	159-1	7115732	7145794	7203007	7154844	0.62	cps
Terbium	159-2	5425182	5403645	5352928	5393919	0.69	cps
Thallium	203-1	6539651	6374295	6478368	6464105	1.29	cps
Thallium	205-1	15198260	15175417	15183972	15185883	0.08	cps
Tin	118-1	5474165	5517350	5623313	5538276	1.39	cps
Titanium	47-1	8859803	8875685	8869423	8868304	0.09	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:17:17	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20898593	20650364	20421686	20656881	1.15	cps
Vanadium	51-2	2886840	2848305	2895089	2876744	0.87	cps
Yttrium	89-1	9019195	8972344	9038709	9010083	0.38	cps
Yttrium	89-2	2756913	2739584	2768145	2754880	0.52	cps
Zinc	66-2	6831932	6880568	6925298	6879266	0.68	cps
Zirconium	90-1	11659012	11664219	11817424	11713552	0.77	cps
Zirconium	91-1	2579540	2587929	2613755	2593742	0.69	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:20:05	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	19952344	20190931	20374883	20172720	1.05	cps
Antimony	121-1	4504	4778	4717	4666	3.08	cps
Arsenic	75-2	471	535	485	497	6.80	cps
Barium	135-1	4107	4004	3854	3988	3.19	cps
Barium	137-1	6948	6848	7035	6944	1.35	cps
Beryllium	9-1	178	168	117	154	21.19	cps
Bismuth	209-1	4198946	4123377	4076759	4133027	1.49	cps
Bismuth	209-2	3750530	3715088	3718563	3728060	0.52	cps
Bromine	81-1	10417	10904	10824	10715	2.44	cps
Bromine	81-2	533	473	497	501	6.04	cps
Cadmium	108-1	77	73	67	72	7.05	cps
Cadmium	106-1	2267	2407	2290	2321	3.23	cps
Cadmium	111-1	2210	2320	2206	2246	2.88	cps
Calcium	43-1	9522856	9581832	9733473	9612720	1.13	cps
Calcium	44-1	155786898	158697248	155782068	156755404	1.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13573	13249	13032	13285	2.05	cps
Cobalt	59-2	8909	9083	8966	8986	0.98	cps
Copper	63-2	7602	7509	7359	7490	1.64	cps
Dysprosium	156-1	277	327	237	280	16.10	cps
Dysprosium	156-2	260	223	247	243	7.63	cps
Erbium	164-1	770	667	700	712	7.41	cps
Erbium	164-2	543	637	500	560	12.47	cps
Gadolinium	160-1	353	313	360	342	7.38	cps
Gadolinium	160-2	547	517	533	532	2.82	cps
Holmium	165-1	7070371	6984683	6892590	6982548	1.27	cps
Holmium	165-2	5442372	5439322	5474017	5451904	0.35	cps
Indium	115-1	5794248	5729256	5687968	5737157	0.93	cps
Indium	115-2	2335046	2350764	2332955	2339588	0.42	cps
Iron	56-2	854332094	857602041	864390627	858774921	0.60	cps
Iron	57-2	21594244	21277167	21481017	21450809	0.75	cps
Iron	54-2	47283646	46676921	47028873	46996480	0.65	cps
Krypton	83-1	540	563	660	588	10.82	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:20:05	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6785	6932	6472	6730	3.49	cps
Lead	207-1	5861	5591	5498	5650	3.34	cps
Lead	208-1	26363	26033	25460	25952	1.76	cps
Lithium	6-1	451165	454410	449838	451804	0.52	cps
Magnesium	24-2	173531067	175015777	170871181	173139342	1.21	cps
Manganese	55-2	15098	15101	15515	15238	1.57	cps
Molybdenum	94-1	7909	7729	7715	7784	1.39	cps
Molybdenum	95-1	6922	7192	6605	6906	4.25	cps
Molybdenum	96-1	12292	13046	12576	12638	3.01	cps
Molybdenum	97-1	4274	4377	4437	4363	1.89	cps
Molybdenum	98-1	10697	11024	10611	10777	2.02	cps
Neodymium	150-1	137	133	147	139	4.99	cps
Neodymium	150-2	100	93	117	103	11.63	cps
Nickel	60-2	5793	5678	5681	5717	1.14	cps
Phosphorus	31-2	603	700	680	661	7.72	cps
Potassium	39-2	100228562	99688009	99360655	99759075	0.44	cps
Rhodium	103-1	5518043	5540676	5367086	5475268	1.72	cps
Rhodium	103-2	3691468	3713118	3653430	3686006	0.82	cps
Scandium	45-1	3530771	3602271	3627524	3586855	1.40	cps
Scandium	45-2	329200	328194	330859	329418	0.41	cps
Selenium	82-1	393	394	216	334	30.67	cps
Selenium	77-2	20	20	13	18	21.66	cps
Selenium	78-2	527	503	470	500	5.70	cps
Silicon	28-1	638012	655236	658592	650613	1.70	cps
Silver	107-1	922	961	997	960	3.93	cps
Silver	109-1	863	797	773	811	5.76	cps
Sodium	23-2	265925803	267189029	266978349	266697727	0.25	cps
Strontium	86-1	26798	26938	27192	26976	0.74	cps
Strontium	88-1	228380	229336	229807	229174	0.32	cps
Sulfur	34-1	164811	161419	159051	161760	1.79	cps
Terbium	159-1	7268426	7168814	7082196	7173146	1.30	cps
Terbium	159-2	5399739	5344366	5377601	5373902	0.52	cps
Thallium	203-1	3661	3677	3611	3649	0.95	cps
Thallium	205-1	9240	8808	8925	8991	2.49	cps
Tin	118-1	2590	2690	2490	2590	3.86	cps
Titanium	47-1	890	880	983	918	6.21	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:20:05	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1167	1093	1043	1101	5.63	cps
Vanadium	51-2	1037	1077	1017	1043	2.93	cps
Yttrium	89-1	9399684	9305850	9263204	9322913	0.75	cps
Yttrium	89-2	2878689	2918971	2930170	2909277	0.93	cps
Zinc	66-2	5258	5058	4921	5079	3.34	cps
Zirconium	90-1	10157	9983	10434	10191	2.23	cps
Zirconium	91-1	2064	2304	2120	2162	5.80	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:30:49	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	110038	108846	109591	109492	0.55	cps
Antimony	121-1	1196008	1208150	1212831	1205663	0.72	cps
Arsenic	75-2	97535	95456	95567	96186	1.22	cps
Barium	135-1	151692	151924	154256	152624	0.93	cps
Barium	137-1	260738	267350	267591	265227	1.47	cps
Beryllium	9-1	87774	89483	88602	88620	0.96	cps
Bismuth	209-1	4413747	4525174	4497244	4478722	1.29	cps
Bismuth	209-2	4303922	4167561	4176115	4215866	1.81	cps
Bromine	81-1	9747	9847	9603	9732	1.26	cps
Bromine	81-2	153	123	150	142	11.56	cps
Cadmium	108-1	12312	12122	12132	12189	0.88	cps
Cadmium	106-1	18392	18252	18025	18223	1.02	cps
Cadmium	111-1	182121	182906	184899	183309	0.78	cps
Calcium	43-1	37811	37891	38549	38083	1.06	cps
Calcium	44-1	650685	652517	658215	653806	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	369404	365998	363558	366320	0.80	cps
Cobalt	59-2	577158	572464	572482	574034	0.47	cps
Copper	63-2	407949	403896	401507	404451	0.81	cps
Dysprosium	156-1	10	17	13	13	25.01	cps
Dysprosium	156-2	7	17	17	13	43.29	cps
Erbium	164-1	77	53	57	62	20.29	cps
Erbium	164-2	37	60	80	59	36.83	cps
Gadolinium	160-1	33	43	40	39	13.09	cps
Gadolinium	160-2	343	377	347	356	5.16	cps
Holmium	165-1	6987009	7022237	7092370	7033872	0.76	cps
Holmium	165-2	5837682	5671033	5667010	5725242	1.70	cps
Indium	115-1	6026269	6060763	6144664	6077232	1.00	cps
Indium	115-2	2621145	2567271	2619109	2602508	1.17	cps
Iron	56-2	7720531	7434214	7598089	7584278	1.89	cps
Iron	57-2	171594	171398	172740	171911	0.42	cps
Iron	54-2	396358	390449	391940	392915	0.78	cps
Krypton	83-1	580	467	497	514	11.41	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:30:49	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	989409	985753	987437	987533	0.19	cps
Lead	207-1	838481	852264	854568	848437	1.03	cps
Lead	208-1	4315302	4392469	4374065	4360612	0.92	cps
Lithium	6-1	445536	452788	451995	450106	0.88	cps
Magnesium	24-2	416897	413142	412563	414201	0.57	cps
Manganese	55-2	288637	286787	285801	287075	0.50	cps
Molybdenum	94-1	807	790	817	804	1.67	cps
Molybdenum	95-1	820	893	793	836	6.20	cps
Molybdenum	96-1	940	993	1040	991	5.05	cps
Molybdenum	97-1	473	517	553	514	7.78	cps
Molybdenum	98-1	1327	1303	1267	1299	2.33	cps
Neodymium	150-1	17	17	7	13	43.29	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	208404	207220	207739	207788	0.29	cps
Phosphorus	31-2	653	660	637	650	1.85	cps
Potassium	39-2	848631	835954	835837	840141	0.88	cps
Rhodium	103-1	5950141	6166523	6093712	6070125	1.81	cps
Rhodium	103-2	4149129	4058474	4095547	4101050	1.11	cps
Scandium	45-1	3676979	3717606	3708427	3701004	0.58	cps
Scandium	45-2	347681	341630	346359	345223	0.92	cps
Selenium	82-1	27731	27893	27665	27763	0.42	cps
Selenium	77-2	3307	3520	3187	3338	5.06	cps
Selenium	78-2	12062	12108	11932	12034	0.76	cps
Silicon	28-1	627950	639764	643489	637067	1.27	cps
Silver	107-1	479776	484239	487981	483999	0.85	cps
Silver	109-1	450512	455846	455826	454061	0.68	cps
Sodium	23-2	1225343	1257142	1220041	1234175	1.63	cps
Strontium	86-1	1030	873	1007	970	8.71	cps
Strontium	88-1	1537	1393	1483	1471	4.92	cps
Sulfur	34-1	175000	175846	175943	175596	0.30	cps
Terbium	159-1	7180982	7158525	7103414	7147640	0.56	cps
Terbium	159-2	5674165	5481570	5562893	5572876	1.73	cps
Thallium	203-1	1081459	1087424	1097647	1088843	0.75	cps
Thallium	205-1	3136814	3187610	3149032	3157819	0.84	cps
Tin	118-1	6058	5991	6602	6217	5.38	cps
Titanium	47-1	6178	5821	6208	6069	3.55	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:30:49	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	123	93	90	102	17.96	cps
Vanadium	51-2	294328	295905	292784	294339	0.53	cps
Yttrium	89-1	9819233	9818401	9593710	9743781	1.33	cps
Yttrium	89-2	3130033	3057587	3066488	3084702	1.28	cps
Zinc	66-2	149082	147665	148702	148483	0.49	cps
Zirconium	90-1	850	893	970	904	6.72	cps
Zirconium	91-1	307	273	283	288	5.94	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:40:28	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4254	4207	4084	4182	2.10	cps
Antimony	121-1	13009	13189	13056	13085	0.71	cps
Arsenic	75-2	525	405	497	476	13.17	cps
Barium	135-1	15021	14968	14935	14975	0.29	cps
Barium	137-1	25984	25667	26341	25997	1.30	cps
Beryllium	9-1	1052	1140	1175	1122	5.66	cps
Bismuth	209-1	4535538	4454372	4358262	4449391	1.99	cps
Bismuth	209-2	4281632	4152847	4092721	4175734	2.31	cps
Bromine	81-1	9740	9460	9653	9618	1.49	cps
Bromine	81-2	210	200	193	201	4.17	cps
Cadmium	108-1	110	133	113	119	10.62	cps
Cadmium	106-1	2140	2154	2074	2122	2.02	cps
Cadmium	111-1	3241	3118	3049	3136	3.11	cps
Calcium	43-1	10000	10130	9730	9953	2.05	cps
Calcium	44-1	188222	190091	190342	189552	0.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8776	8939	8913	8876	0.99	cps
Cobalt	59-2	5634	5681	5988	5768	3.33	cps
Copper	63-2	9627	9733	9787	9715	0.84	cps
Dysprosium	156-1	3	17	7	9	78.08	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	57	37	40	44	24.11	cps
Erbium	164-2	23	40	53	39	38.65	cps
Gadolinium	160-1	50	40	60	50	20.00	cps
Gadolinium	160-2	377	350	343	357	4.95	cps
Holmium	165-1	6944441	6999628	6991050	6978373	0.43	cps
Holmium	165-2	5644707	5623509	5458156	5575457	1.83	cps
Indium	115-1	6153341	6050869	6041952	6082054	1.02	cps
Indium	115-2	2614038	2543772	2519276	2559029	1.92	cps
Iron	56-2	197352	195251	195511	196038	0.58	cps
Iron	57-2	6128	6141	6115	6128	0.22	cps
Iron	54-2	12232	12672	12065	12323	2.55	cps
Krypton	83-1	507	540	560	536	5.03	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:40:28	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4561	4547	4724	4611	2.13	cps
Lead	207-1	3807	3987	3777	3857	2.95	cps
Lead	208-1	18202	18142	18078	18141	0.34	cps
Lithium	6-1	456685	455984	456680	456449	0.09	cps
Magnesium	24-2	162030	161013	162125	161723	0.38	cps
Manganese	55-2	3907	3877	3807	3864	1.33	cps
Molybdenum	94-1	14284	14841	14731	14619	2.02	cps
Molybdenum	95-1	17461	17424	17344	17409	0.34	cps
Molybdenum	96-1	19293	19009	19199	19167	0.75	cps
Molybdenum	97-1	11074	10887	10998	10986	0.85	cps
Molybdenum	98-1	27763	28675	28551	28330	1.75	cps
Neodymium	150-1	3	10	10	8	49.52	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	2274	2361	2372	2336	2.31	cps
Phosphorus	31-2	3300	3137	3304	3247	2.93	cps
Potassium	39-2	264515	262878	261818	263071	0.52	cps
Rhodium	103-1	6130626	6036357	6096642	6087875	0.78	cps
Rhodium	103-2	4136357	4071159	4057246	4088254	1.03	cps
Scandium	45-1	3723940	3777460	3756705	3752702	0.72	cps
Scandium	45-2	339738	342578	336402	339573	0.91	cps
Selenium	82-1	948	927	981	952	2.87	cps
Selenium	77-2	93	87	90	90	3.70	cps
Selenium	78-2	870	787	813	823	5.17	cps
Silicon	28-1	629741	604765	618996	617834	2.03	cps
Silver	107-1	9598	9980	10075	9885	2.55	cps
Silver	109-1	9453	9053	8990	9165	2.74	cps
Sodium	23-2	274354	272419	271228	272667	0.58	cps
Strontium	86-1	2974	3114	3097	3061	2.50	cps
Strontium	88-1	18578	18755	18879	18738	0.81	cps
Sulfur	34-1	190593	191018	190016	190542	0.26	cps
Terbium	159-1	7114079	7152272	7128162	7131505	0.27	cps
Terbium	159-2	5548265	5538314	5484480	5523686	0.62	cps
Thallium	203-1	6048	6181	5738	5989	3.80	cps
Thallium	205-1	13306	13871	13653	13610	2.09	cps
Tin	118-1	28742	28752	28682	28725	0.13	cps
Titanium	47-1	4737	4787	4811	4779	0.78	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:40:28	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17195	17321	17525	17347	0.96	cps
Vanadium	51-2	14884	15248	14844	14992	1.48	cps
Yttrium	89-1	9688360	9705184	9676150	9689898	0.15	cps
Yttrium	89-2	3077997	3013783	2935305	3009029	2.38	cps
Zinc	66-2	5254	5218	5074	5182	1.84	cps
Zirconium	90-1	12512	12973	12659	12714	1.85	cps
Zirconium	91-1	2790	2870	2780	2814	1.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:47:12	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	320	307	293	307	4.35	cps
Antimony	121-1	67	67	67	67	0.00	cps
Arsenic	75-2	4	14	4	7	81.59	cps
Barium	135-1	13	30	33	26	41.94	cps
Barium	137-1	53	57	63	58	8.81	cps
Beryllium	9-1	7	0	4	4	96.44	cps
Bismuth	209-1	4561699	4447878	4369188	4459588	2.17	cps
Bismuth	209-2	4111681	4158591	4074761	4115011	1.02	cps
Bromine	81-1	9126	9717	9303	9382	3.23	cps
Bromine	81-2	163	217	197	192	14.02	cps
Cadmium	108-1	0	7	17	8	107.84	cps
Cadmium	106-1	2107	1993	2217	2106	5.30	cps
Cadmium	111-1	1485	1401	1550	1479	5.06	cps
Calcium	43-1	423	423	383	410	5.63	cps
Calcium	44-1	33341	33915	33775	33677	0.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1760	1807	1823	1797	1.83	cps
Cobalt	59-2	83	110	97	97	13.79	cps
Copper	63-2	1437	1313	1443	1398	5.24	cps
Dysprosium	156-1	10	3	7	7	50.03	cps
Dysprosium	156-2	10	3	7	7	50.03	cps
Erbium	164-1	37	43	50	43	15.38	cps
Erbium	164-2	30	53	23	36	44.31	cps
Gadolinium	160-1	37	57	37	43	26.64	cps
Gadolinium	160-2	340	360	323	341	5.38	cps
Holmium	165-1	6977858	6919049	6905114	6934007	0.56	cps
Holmium	165-2	5602616	5488333	5492680	5527876	1.17	cps
Indium	115-1	6033198	5990920	5907713	5977277	1.07	cps
Indium	115-2	2523873	2523168	2472642	2506561	1.17	cps
Iron	56-2	21700	20658	21071	21143	2.48	cps
Iron	57-2	1437	1310	1440	1396	5.31	cps
Iron	54-2	2757	2734	2627	2706	2.56	cps
Krypton	83-1	507	557	467	510	8.84	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:47:12	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	490	483	557	510	7.95	cps
Lead	207-1	453	487	463	468	3.66	cps
Lead	208-1	2010	2007	1967	1995	1.21	cps
Lithium	6-1	457481	458744	459720	458648	0.24	cps
Magnesium	24-2	223	277	333	278	19.80	cps
Manganese	55-2	953	940	953	949	0.81	cps
Molybdenum	94-1	260	247	247	251	3.07	cps
Molybdenum	95-1	183	180	150	171	10.73	cps
Molybdenum	96-1	277	280	203	253	17.10	cps
Molybdenum	97-1	147	187	113	149	24.66	cps
Molybdenum	98-1	300	320	317	312	3.43	cps
Neodymium	150-1	3	3	13	7	86.65	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	494	450	509	484	6.32	cps
Phosphorus	31-2	613	610	723	649	9.94	cps
Potassium	39-2	67951	66571	67947	67490	1.18	cps
Rhodium	103-1	5994214	5991670	5978195	5988026	0.14	cps
Rhodium	103-2	4020717	4026384	3992593	4013232	0.45	cps
Scandium	45-1	3715055	3610315	3710781	3678717	1.61	cps
Scandium	45-2	335033	336702	332609	334781	0.61	cps
Selenium	82-1	349	304	299	317	8.70	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	420	550	487	486	13.39	cps
Silicon	28-1	578277	575117	605732	586375	2.87	cps
Silver	107-1	94	100	90	95	5.35	cps
Silver	109-1	67	80	90	79	14.84	cps
Sodium	23-2	24086	23685	23378	23716	1.50	cps
Strontium	86-1	767	817	850	811	5.17	cps
Strontium	88-1	173	143	147	154	10.65	cps
Sulfur	34-1	185289	185359	185049	185233	0.09	cps
Terbium	159-1	7266399	7066536	7068245	7133726	1.61	cps
Terbium	159-2	5472181	5485344	5451432	5469652	0.31	cps
Thallium	203-1	140	113	90	114	21.86	cps
Thallium	205-1	250	286	236	257	10.08	cps
Tin	118-1	1817	1767	1660	1748	4.58	cps
Titanium	47-1	63	97	87	82	20.81	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 11:47:12	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	13	17	18	28.64	cps
Vanadium	51-2	23	13	20	19	26.96	cps
Yttrium	89-1	9568133	9605448	9584402	9585994	0.20	cps
Yttrium	89-2	2991091	2929649	2935746	2952162	1.15	cps
Zinc	66-2	1567	1397	1327	1430	8.63	cps
Zirconium	90-1	383	253	383	340	22.07	cps
Zirconium	91-1	47	80	60	62	26.96	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:21:35	DataFile Name :	022ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18245887	18445744	18255256	18315629	0.62	cps
Antimony	121-1	6785	7509	7409	7234	5.42	cps
Arsenic	75-2	171	165	164	167	2.04	cps
Barium	135-1	2134	2047	2084	2088	2.08	cps
Barium	137-1	3874	3587	3867	3776	4.33	cps
Beryllium	9-1	213	253	170	212	19.64	cps
Bismuth	209-1	4743783	4852734	4698538	4765018	1.66	cps
Bismuth	209-2	4139007	4105895	4172868	4139257	0.81	cps
Bromine	81-1	10771	10981	11134	10962	1.67	cps
Bromine	81-2	380	330	390	367	8.77	cps
Cadmium	108-1	1067	760	883	903	17.08	cps
Cadmium	106-1	1870	1880	2054	1935	5.33	cps
Cadmium	111-1	1669	1894	1836	1800	6.49	cps
Calcium	43-1	1933921	1980867	1955452	1956747	1.20	cps
Calcium	44-1	31599682	32635802	32028843	32088109	1.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	69599	70845	70041	70162	0.90	cps
Cobalt	59-2	6772	6425	6812	6669	3.19	cps
Copper	63-2	32980	32292	32395	32555	1.14	cps
Dysprosium	156-1	30	33	27	30	11.10	cps
Dysprosium	156-2	20	30	10	20	50.00	cps
Erbium	164-1	60	57	70	62	11.15	cps
Erbium	164-2	47	63	63	58	16.65	cps
Gadolinium	160-1	40	80	50	57	36.74	cps
Gadolinium	160-2	293	270	337	300	11.28	cps
Holmium	165-1	7715692	7871189	7657378	7748086	1.43	cps
Holmium	165-2	5832230	5736400	5824261	5797630	0.92	cps
Indium	115-1	6330900	6243752	6237147	6270600	0.83	cps
Indium	115-2	2444505	2486366	2468055	2466309	0.85	cps
Iron	56-2	349484128	354417501	354626875	352842835	0.82	cps
Iron	57-2	8628273	8823628	8822708	8758203	1.28	cps
Iron	54-2	19115910	19603852	19294024	19337929	1.28	cps
Krypton	83-1	467	477	443	462	3.70	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:21:35	DataFile Name :	022ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22632	22702	22509	22614	0.43	cps
Lead	207-1	16894	17808	17221	17308	2.68	cps
Lead	208-1	82066	84204	83273	83181	1.29	cps
Lithium	6-1	420604	419686	410035	416775	1.40	cps
Magnesium	24-2	31508455	32927914	32211744	32216038	2.20	cps
Manganese	55-2	20935	21375	21382	21231	1.21	cps
Molybdenum	94-1	4338168	4461659	4474474	4424767	1.70	cps
Molybdenum	95-1	7689549	7747061	7796248	7744286	0.69	cps
Molybdenum	96-1	8125696	8208741	8169155	8167864	0.51	cps
Molybdenum	97-1	4750716	4735666	4734780	4740387	0.19	cps
Molybdenum	98-1	12026795	12539306	12256050	12274051	2.09	cps
Neodymium	150-1	20	43	30	31	37.62	cps
Neodymium	150-2	23	17	20	20	16.65	cps
Nickel	60-2	8592	8434	8472	8499	0.97	cps
Phosphorus	31-2	941440	942742	943845	942676	0.13	cps
Potassium	39-2	39438502	39949365	39344054	39577307	0.82	cps
Rhodium	103-1	5953510	5983073	6075360	6003981	1.06	cps
Rhodium	103-2	4080195	4090792	4025823	4065603	0.86	cps
Scandium	45-1	3715097	3705932	3604863	3675298	1.66	cps
Scandium	45-2	328775	331546	334921	331747	0.93	cps
Selenium	82-1	288	269	361	306	15.79	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	453	477	500	477	4.89	cps
Silicon	28-1	542004	540421	529489	537305	1.27	cps
Silver	107-1	427	450	513	463	9.68	cps
Silver	109-1	267	397	437	367	24.24	cps
Sodium	23-2	53095644	54295613	55003118	54131458	1.78	cps
Strontium	86-1	72209	72524	72671	72468	0.33	cps
Strontium	88-1	612446	614367	608357	611723	0.50	cps
Sulfur	34-1	3083959	3124279	3149180	3119139	1.06	cps
Terbium	159-1	7831398	7770918	7947891	7850069	1.15	cps
Terbium	159-2	5733820	5598118	5688811	5673583	1.22	cps
Thallium	203-1	383	447	417	416	7.62	cps
Thallium	205-1	924	924	1010	953	5.25	cps
Tin	118-1	9083	10617	9617	9772	7.97	cps
Titanium	47-1	1970075	1976507	1963996	1970193	0.32	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:21:35	DataFile Name :	022ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	323	310	317	317	2.10	cps
Vanadium	51-2	537	503	543	528	4.06	cps
Yttrium	89-1	9738244	9837914	9911747	9829302	0.89	cps
Yttrium	89-2	2993324	3018299	2967404	2993009	0.85	cps
Zinc	66-2	9843	9663	9566	9691	1.45	cps
Zirconium	90-1	503	633	523	553	12.65	cps
Zirconium	91-1	100	93	103	99	5.15	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:28:38	DataFile Name :	024ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18243993	17815707	17727967	17929223	1.54	cps
Antimony	121-1	130418	133551	133436	132468	1.34	cps
Arsenic	75-2	8815	8670	8963	8816	1.66	cps
Barium	135-1	32861	32363	32721	32649	0.79	cps
Barium	137-1	55893	56442	58061	56799	1.99	cps
Beryllium	9-1	14796	13922	14099	14272	3.24	cps
Bismuth	209-1	4897979	4739288	4813899	4817055	1.65	cps
Bismuth	209-2	4232495	4195116	4190912	4206175	0.54	cps
Bromine	81-1	11445	11942	11892	11759	2.33	cps
Bromine	81-2	500	523	530	518	3.04	cps
Cadmium	108-1	3227	3154	3164	3181	1.25	cps
Cadmium	106-1	4978	4978	4891	4949	1.01	cps
Cadmium	111-1	36525	36924	36756	36735	0.55	cps
Calcium	43-1	1795929	1904101	1869115	1856382	2.97	cps
Calcium	44-1	30127742	30596686	30429577	30384668	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	151019	152274	148614	150636	1.23	cps
Cobalt	59-2	109217	108160	108052	108477	0.59	cps
Copper	63-2	105475	105045	105865	105462	0.39	cps
Dysprosium	156-1	37	27	13	26	45.82	cps
Dysprosium	156-2	20	30	23	24	20.83	cps
Erbium	164-1	63	60	60	61	3.15	cps
Erbium	164-2	70	60	50	60	16.67	cps
Gadolinium	160-1	50	97	57	68	37.24	cps
Gadolinium	160-2	273	297	287	286	4.10	cps
Holmium	165-1	8048856	7843014	8003601	7965157	1.36	cps
Holmium	165-2	5740937	5768864	5802434	5770745	0.53	cps
Indium	115-1	6410104	6496338	6519745	6475396	0.89	cps
Indium	115-2	2497265	2421581	2492100	2470315	1.71	cps
Iron	56-2	343842382	335657328	334291335	337930348	1.53	cps
Iron	57-2	8513237	8435018	8453021	8467092	0.48	cps
Iron	54-2	18781620	18963202	18525448	18756757	1.17	cps
Krypton	83-1	560	510	473	514	8.46	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:28:38	DataFile Name :	024ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	153601	151015	151385	152001	0.92	cps
Lead	207-1	124529	129905	131302	128578	2.78	cps
Lead	208-1	584632	593460	592579	590224	0.82	cps
Lithium	6-1	425273	404266	401442	410327	3.17	cps
Magnesium	24-2	31909466	31561613	31071048	31514042	1.34	cps
Manganese	55-2	71043	70702	69935	70560	0.80	cps
Molybdenum	94-1	4342918	4234021	4361348	4312763	1.60	cps
Molybdenum	95-1	7704038	7606599	7605796	7638811	0.74	cps
Molybdenum	96-1	8200075	8063790	8049741	8104535	1.02	cps
Molybdenum	97-1	4720895	4699445	4689827	4703389	0.34	cps
Molybdenum	98-1	12148309	12263248	12260701	12224086	0.54	cps
Neodymium	150-1	30	30	33	31	6.18	cps
Neodymium	150-2	20	40	40	33	34.64	cps
Nickel	60-2	48700	48504	48191	48465	0.53	cps
Phosphorus	31-2	922700	915261	907757	915239	0.82	cps
Potassium	39-2	39176174	37425263	37876859	38159432	2.38	cps
Rhodium	103-1	6024427	6328569	6237669	6196888	2.52	cps
Rhodium	103-2	4068878	4062580	4059632	4063697	0.12	cps
Scandium	45-1	3583520	3585734	3493186	3554147	1.49	cps
Scandium	45-2	332075	329824	330250	330717	0.36	cps
Selenium	82-1	2827	2757	2825	2803	1.41	cps
Selenium	77-2	263	297	283	281	5.97	cps
Selenium	78-2	1343	1450	1310	1368	5.35	cps
Silicon	28-1	525364	522188	520456	522669	0.48	cps
Silver	107-1	171506	166921	167072	168500	1.55	cps
Silver	109-1	155289	159003	160326	158206	1.65	cps
Sodium	23-2	53315748	52818481	53108348	53080859	0.47	cps
Strontium	86-1	70823	70578	71483	70961	0.66	cps
Strontium	88-1	613580	611584	611625	612263	0.19	cps
Sulfur	34-1	2924318	3026837	3026354	2992503	1.97	cps
Terbium	159-1	8003264	8216759	8338321	8186115	2.07	cps
Terbium	159-2	5854124	5613384	5677357	5714955	2.18	cps
Thallium	203-1	119280	121531	124597	121802	2.19	cps
Thallium	205-1	283096	285503	287297	285299	0.74	cps
Tin	118-1	5655	5795	5645	5698	1.47	cps
Titanium	47-1	1873265	1862256	1864183	1866568	0.31	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:28:38	DataFile Name :	024ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	523	583	597	568	6.88	cps
Vanadium	51-2	54946	54893	53521	54453	1.48	cps
Yttrium	89-1	10163645	10296588	10204856	10221696	0.67	cps
Yttrium	89-2	2957199	2980217	3007230	2981549	0.84	cps
Zinc	66-2	22601	22848	22911	22786	0.72	cps
Zirconium	90-1	467	510	503	493	4.73	cps
Zirconium	91-1	197	150	63	137	49.51	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:51:56	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10418328	10354610	10380783	10384574	0.31	cps
Antimony	121-1	3451968	3516744	3486816	3485176	0.93	cps
Arsenic	75-2	218648	216494	217982	217708	0.51	cps
Barium	135-1	4330225	4393017	4375090	4366111	0.74	cps
Barium	137-1	7476294	7470582	7490278	7479051	0.14	cps
Beryllium	9-1	450497	449284	452272	450684	0.33	cps
Bismuth	209-1	4556267	4567381	4542344	4555330	0.28	cps
Bismuth	209-2	3676440	3948411	3932656	3852502	3.96	cps
Bromine	81-1	9977	10654	10264	10298	3.30	cps
Bromine	81-2	220	253	220	231	8.33	cps
Cadmium	108-1	64221	64700	65577	64833	1.06	cps
Cadmium	106-1	91382	91130	91419	91310	0.17	cps
Cadmium	111-1	898540	920148	919261	912650	1.34	cps
Calcium	43-1	4944995	5112886	5006065	5021315	1.69	cps
Calcium	44-1	79944427	82010372	81573262	81176020	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1857399	1839387	1858708	1851831	0.58	cps
Cobalt	59-2	2985299	2860300	2906673	2917424	2.17	cps
Copper	63-2	21812531	21265591	21303366	21460496	1.42	cps
Dysprosium	156-1	203	203	217	208	3.70	cps
Dysprosium	156-2	333	273	477	361	28.93	cps
Erbium	164-1	323	437	383	381	14.88	cps
Erbium	164-2	333	250	330	304	15.50	cps
Gadolinium	160-1	220	240	223	228	4.70	cps
Gadolinium	160-2	493	480	483	486	1.43	cps
Holmium	165-1	7576056	7653013	7592221	7607096	0.53	cps
Holmium	165-2	5318558	5630371	5688247	5545725	3.59	cps
Indium	115-1	6060915	6297276	6106037	6154743	2.04	cps
Indium	115-2	2222870	2397998	2401209	2340692	4.36	cps
Iron	56-2	460141593	462732966	459214260	460696273	0.40	cps
Iron	57-2	11463514	11302645	11380680	11382280	0.71	cps
Iron	54-2	25411629	25121135	25064559	25199107	0.74	cps
Krypton	83-1	607	493	473	524	13.71	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:51:56	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13671098	14124515	13851412	13882342	1.64	cps
Lead	207-1	11931300	12038464	12155347	12041704	0.93	cps
Lead	208-1	54647466	55514781	55403389	55188545	0.86	cps
Lithium	6-1	402699	405222	401961	403294	0.42	cps
Magnesium	24-2	91400075	92746452	92587845	92244791	0.80	cps
Manganese	55-2	14591003	14559415	14292220	14480879	1.13	cps
Molybdenum	94-1	13288389	13313511	13191473	13264458	0.49	cps
Molybdenum	95-1	18768664	18896818	18948381	18871287	0.49	cps
Molybdenum	96-1	20424668	20661362	20857026	20647685	1.05	cps
Molybdenum	97-1	11578666	11918805	11837729	11778400	1.51	cps
Molybdenum	98-1	29732816	30402540	30994100	30376485	2.08	cps
Neodymium	150-1	163	177	187	176	6.67	cps
Neodymium	150-2	113	73	93	93	21.43	cps
Nickel	60-2	924688	906172	911287	914049	1.05	cps
Phosphorus	31-2	95529	95180	95133	95281	0.23	cps
Potassium	39-2	51742693	51311504	52158131	51737443	0.82	cps
Rhodium	103-1	5953194	5859170	5986424	5932929	1.11	cps
Rhodium	103-2	3683450	3960099	3977522	3873690	4.26	cps
Scandium	45-1	3623712	3629163	3584179	3612351	0.68	cps
Scandium	45-2	313643	332252	332442	326112	3.31	cps
Selenium	82-1	65381	66231	66610	66074	0.95	cps
Selenium	77-2	7285	7122	6985	7131	2.11	cps
Selenium	78-2	24267	24393	24834	24498	1.22	cps
Silicon	28-1	17422070	17714668	17913688	17683476	1.40	cps
Silver	107-1	4795589	4844310	4778467	4806122	0.71	cps
Silver	109-1	4422486	4353869	4431282	4402546	0.96	cps
Sodium	23-2	137177008	142017388	140468958	139887785	1.77	cps
Strontium	86-1	1017301	1028508	1043118	1029642	1.26	cps
Strontium	88-1	10295254	10582911	10551005	10476390	1.51	cps
Sulfur	34-1	395784	394572	397791	396049	0.41	cps
Terbium	159-1	7677314	7697819	7784681	7719938	0.74	cps
Terbium	159-2	5311056	5613516	5608465	5511012	3.14	cps
Thallium	203-1	3396835	3451079	3343299	3397071	1.59	cps
Thallium	205-1	7804801	7825580	7720371	7783584	0.72	cps
Tin	118-1	3041659	3086488	3046608	3058252	0.80	cps
Titanium	47-1	4698392	4759966	4798942	4752434	1.07	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:51:56	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10543169	10582355	10835642	10653722	1.49	cps
Vanadium	51-2	1583434	1571598	1590731	1581921	0.61	cps
Yttrium	89-1	9965021	9965135	9952159	9960772	0.07	cps
Yttrium	89-2	2784137	2945576	2987635	2905783	3.70	cps
Zinc	66-2	3810858	3764562	3806781	3794067	0.68	cps
Zirconium	90-1	6518333	6482302	6550572	6517069	0.52	cps
Zirconium	91-1	1428048	1480020	1432811	1446960	1.99	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:59:30	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	293	350	400	348	15.35	cps
Antimony	121-1	293	333	330	319	6.96	cps
Arsenic	75-2	4	4	11	6	64.33	cps
Barium	135-1	37	33	63	44	36.99	cps
Barium	137-1	57	53	83	64	25.51	cps
Beryllium	9-1	14	14	7	11	33.30	cps
Bismuth	209-1	4792358	4724241	4866345	4794315	1.48	cps
Bismuth	209-2	4345962	4237823	4306190	4296658	1.27	cps
Bromine	81-1	9917	9627	10134	9892	2.57	cps
Bromine	81-2	153	203	170	176	14.50	cps
Cadmium	108-1	7	3	7	6	34.70	cps
Cadmium	106-1	1957	1960	1930	1949	0.84	cps
Cadmium	111-1	1405	1400	1366	1390	1.51	cps
Calcium	43-1	400	380	360	380	5.26	cps
Calcium	44-1	38272	36695	35783	36916	3.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1773	1797	1743	1771	1.51	cps
Cobalt	59-2	77	110	103	97	18.24	cps
Copper	63-2	2043	1967	2090	2033	3.06	cps
Dysprosium	156-1	7	3	0	3	100.05	cps
Dysprosium	156-2	0	10	13	8	89.21	cps
Erbium	164-1	33	67	57	52	32.76	cps
Erbium	164-2	27	43	27	32	29.85	cps
Gadolinium	160-1	33	47	53	44	22.92	cps
Gadolinium	160-2	317	273	277	289	8.35	cps
Holmium	165-1	7599064	7486803	7653070	7579646	1.12	cps
Holmium	165-2	5873062	5747895	5644459	5755139	1.99	cps
Indium	115-1	6240645	6402292	6332882	6325273	1.28	cps
Indium	115-2	2599668	2543522	2520144	2554445	1.60	cps
Iron	56-2	22066	21672	22043	21927	1.01	cps
Iron	57-2	1250	1280	1220	1250	2.40	cps
Iron	54-2	2797	2767	2787	2784	0.55	cps
Krypton	83-1	457	567	450	491	13.34	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:59:30	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	697	633	660	663	4.79	cps
Lead	207-1	547	517	560	541	4.10	cps
Lead	208-1	2640	2507	2610	2586	2.71	cps
Lithium	6-1	417445	415390	423595	418810	1.02	cps
Magnesium	24-2	557	553	460	523	10.49	cps
Manganese	55-2	970	953	1010	978	2.98	cps
Molybdenum	94-1	280	330	297	302	8.42	cps
Molybdenum	95-1	297	287	327	303	6.86	cps
Molybdenum	96-1	393	397	427	406	4.53	cps
Molybdenum	97-1	257	200	277	244	16.27	cps
Molybdenum	98-1	580	437	500	506	14.21	cps
Neodymium	150-1	3	0	3	2	86.60	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	537	523	549	536	2.43	cps
Phosphorus	31-2	623	507	623	584	11.53	cps
Potassium	39-2	68955	69253	70191	69466	0.93	cps
Rhodium	103-1	6261214	6277285	6308884	6282461	0.39	cps
Rhodium	103-2	4281857	4251697	4172096	4235217	1.34	cps
Scandium	45-1	3632611	3639842	3676741	3649731	0.65	cps
Scandium	45-2	338768	333487	329006	333754	1.46	cps
Selenium	82-1	346	194	277	272	27.95	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	437	403	477	439	8.37	cps
Silicon	28-1	520389	521360	524647	522132	0.43	cps
Silver	107-1	214	174	184	190	10.96	cps
Silver	109-1	190	147	153	163	14.28	cps
Sodium	23-2	37539	37599	37429	37522	0.23	cps
Strontium	86-1	857	853	877	862	1.46	cps
Strontium	88-1	153	160	220	178	20.65	cps
Sulfur	34-1	150704	152947	152047	151899	0.74	cps
Terbium	159-1	7723637	7638746	7839867	7734083	1.31	cps
Terbium	159-2	5740899	5614023	5644610	5666511	1.17	cps
Thallium	203-1	563	630	523	572	9.42	cps
Thallium	205-1	1389	1409	1299	1366	4.29	cps
Tin	118-1	1693	1537	1740	1657	6.43	cps
Titanium	47-1	100	80	80	87	13.32	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 12:59:30	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43	30	40	38	18.36	cps
Vanadium	51-2	23	17	23	21	18.21	cps
Yttrium	89-1	10089797	9970287	10054487	10038190	0.61	cps
Yttrium	89-2	3087044	2940848	3040470	3022787	2.47	cps
Zinc	66-2	1363	1390	1420	1391	2.04	cps
Zirconium	90-1	357	483	600	480	25.36	cps
Zirconium	91-1	100	97	133	110	18.43	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:02:49	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4084	4021	4147	4084	1.55	cps
Antimony	121-1	14254	14204	14244	14234	0.19	cps
Arsenic	75-2	517	482	610	536	12.27	cps
Barium	135-1	15956	15932	16323	16070	1.36	cps
Barium	137-1	27757	27617	27984	27786	0.67	cps
Beryllium	9-1	1021	1054	1043	1039	1.59	cps
Bismuth	209-1	4868364	4854170	4797083	4839872	0.78	cps
Bismuth	209-2	4306357	4356576	4232058	4298330	1.46	cps
Bromine	81-1	10127	10050	10040	10072	0.47	cps
Bromine	81-2	153	167	180	167	8.00	cps
Cadmium	108-1	97	147	107	117	22.68	cps
Cadmium	106-1	2190	2367	2420	2326	5.18	cps
Cadmium	111-1	3299	3278	3346	3308	1.06	cps
Calcium	43-1	9780	9777	9803	9787	0.15	cps
Calcium	44-1	187881	188831	187584	188099	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8789	8753	8976	8839	1.36	cps
Cobalt	59-2	6058	5811	5938	5936	2.08	cps
Copper	63-2	10167	10490	10080	10246	2.11	cps
Dysprosium	156-1	3	10	0	4	114.60	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	37	47	70	51	33.46	cps
Erbium	164-2	10	40	33	28	56.71	cps
Gadolinium	160-1	20	37	43	33	36.05	cps
Gadolinium	160-2	313	313	373	333	10.39	cps
Holmium	165-1	7509183	7658236	7782965	7650128	1.79	cps
Holmium	165-2	5716460	5828798	5742900	5762719	1.02	cps
Indium	115-1	6460102	6541234	6565470	6522269	0.85	cps
Indium	115-2	2504818	2611943	2578780	2565181	2.14	cps
Iron	56-2	198057	198908	196453	197806	0.63	cps
Iron	57-2	6268	5908	5815	5997	3.99	cps
Iron	54-2	12962	12692	13086	12913	1.56	cps
Krypton	83-1	493	553	500	516	6.38	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:02:49	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5118	4811	5128	5019	3.59	cps
Lead	207-1	4124	3951	4447	4174	6.04	cps
Lead	208-1	19339	18835	20003	19392	3.02	cps
Lithium	6-1	428973	423054	432741	428256	1.14	cps
Magnesium	24-2	160461	163452	162259	162057	0.93	cps
Manganese	55-2	4111	3944	3964	4006	2.27	cps
Molybdenum	94-1	15161	15482	15472	15372	1.18	cps
Molybdenum	95-1	17581	17754	18298	17878	2.09	cps
Molybdenum	96-1	20271	20441	20328	20346	0.43	cps
Molybdenum	97-1	11478	11455	10998	11310	2.39	cps
Molybdenum	98-1	28982	29343	29059	29128	0.65	cps
Neodymium	150-1	10	0	7	6	91.64	cps
Neodymium	150-2	7	10	7	8	24.71	cps
Nickel	60-2	2292	2340	2468	2367	3.84	cps
Phosphorus	31-2	3200	3014	3160	3125	3.15	cps
Potassium	39-2	262497	261965	263610	262691	0.32	cps
Rhodium	103-1	6321271	6374449	6486615	6394112	1.32	cps
Rhodium	103-2	4145410	4303824	4215309	4221514	1.88	cps
Scandium	45-1	3661564	3671486	3710585	3681211	0.70	cps
Scandium	45-2	343699	343859	341987	343182	0.30	cps
Selenium	82-1	1021	950	949	974	4.23	cps
Selenium	77-2	73	80	100	84	16.44	cps
Selenium	78-2	770	727	650	716	8.49	cps
Silicon	28-1	535412	527433	541575	534806	1.33	cps
Silver	107-1	10128	10524	10380	10344	1.94	cps
Silver	109-1	9166	9490	9880	9512	3.76	cps
Sodium	23-2	282873	282605	282000	282493	0.16	cps
Strontium	86-1	3054	3054	3057	3055	0.06	cps
Strontium	88-1	19476	19914	19563	19651	1.18	cps
Sulfur	34-1	163386	162861	165849	164032	0.97	cps
Terbium	159-1	7757004	7777471	7806275	7780250	0.32	cps
Terbium	159-2	5819142	5755601	5678728	5751157	1.22	cps
Thallium	203-1	6738	7222	7159	7040	3.73	cps
Thallium	205-1	15790	16229	15997	16006	1.37	cps
Tin	118-1	29734	29714	33058	30835	6.24	cps
Titanium	47-1	4604	4607	4614	4609	0.11	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:02:49	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18803	19378	19314	19165	1.64	cps
Vanadium	51-2	14637	15288	14897	14941	2.19	cps
Yttrium	89-1	10031647	10133763	10351574	10172328	1.61	cps
Yttrium	89-2	3029792	3050332	3051865	3043996	0.40	cps
Zinc	66-2	5514	5331	5308	5384	2.10	cps
Zirconium	90-1	13153	13460	13513	13375	1.45	cps
Zirconium	91-1	2857	2837	2710	2801	2.84	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DLX5	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:06:06	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33059	33634	33002	33232	1.05	cps
Antimony	121-1	2710	2907	2670	2763	4.59	cps
Arsenic	75-2	879	984	1130	997	12.61	cps
Barium	135-1	76353	77754	77060	77056	0.91	cps
Barium	137-1	130162	134085	134795	133014	1.88	cps
Beryllium	9-1	23	20	19	21	8.59	cps
Bismuth	209-1	5291014	5234884	5241398	5255765	0.58	cps
Bismuth	209-2	4730276	4651170	4739496	4706981	1.03	cps
Bromine	81-1	11935	11962	12072	11989	0.60	cps
Bromine	81-2	407	433	447	429	4.75	cps
Cadmium	108-1	30	43	27	33	26.45	cps
Cadmium	106-1	2607	2570	2610	2596	0.86	cps
Cadmium	111-1	1911	1876	1915	1900	1.14	cps
Calcium	43-1	182499	182293	188002	184264	1.76	cps
Calcium	44-1	3319672	3364910	3530816	3405133	3.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27565	27629	27959	27718	0.76	cps
Cobalt	59-2	5855	6028	5925	5936	1.47	cps
Copper	63-2	33855	34720	34283	34286	1.26	cps
Dysprosium	156-1	123	113	107	114	7.33	cps
Dysprosium	156-2	113	153	137	134	14.94	cps
Erbium	164-1	190	183	217	197	8.97	cps
Erbium	164-2	187	180	163	177	6.80	cps
Gadolinium	160-1	173	180	220	191	13.21	cps
Gadolinium	160-2	417	453	507	459	9.86	cps
Holmium	165-1	8269491	8556885	8353311	8393229	1.76	cps
Holmium	165-2	6526695	6489770	6484260	6500242	0.35	cps
Indium	115-1	6955732	6995349	7186574	7045885	1.75	cps
Indium	115-2	2870962	2835444	2793698	2833368	1.36	cps
Iron	56-2	1219605982	1206696542	1242038435	1222780320	1.46	cps
Iron	57-2	30119258	30053566	29978278	30050367	0.23	cps
Iron	54-2	67027026	67603347	66295542	66975305	0.98	cps
Krypton	83-1	517	527	647	563	12.84	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DLX5	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:06:06	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19261	20212	19674	19716	2.42	cps
Lead	207-1	16567	16610	16754	16644	0.59	cps
Lead	208-1	75385	75768	78192	76448	1.99	cps
Lithium	6-1	444433	454776	459815	453008	1.73	cps
Magnesium	24-2	451216	447168	449240	449208	0.45	cps
Manganese	55-2	36621259	36997198	37028783	36882413	0.61	cps
Molybdenum	94-1	8369	8593	8663	8541	1.79	cps
Molybdenum	95-1	11238	11228	11501	11322	1.37	cps
Molybdenum	96-1	19573	19577	19914	19688	0.99	cps
Molybdenum	97-1	6882	7212	7165	7086	2.52	cps
Molybdenum	98-1	17197	17637	17664	17499	1.50	cps
Neodymium	150-1	230	163	227	207	18.17	cps
Neodymium	150-2	193	120	160	158	23.27	cps
Nickel	60-2	3524	3680	3714	3639	2.78	cps
Phosphorus	31-2	6675	6595	6662	6644	0.65	cps
Potassium	39-2	23981321	23774480	24305789	24020530	1.11	cps
Rhodium	103-1	6734771	6763510	6926696	6808325	1.52	cps
Rhodium	103-2	4739817	4595860	4664215	4666631	1.54	cps
Scandium	45-1	4038260	4091541	4113936	4081246	0.95	cps
Scandium	45-2	380287	380417	377897	379534	0.37	cps
Selenium	82-1	496	700	735	644	20.05	cps
Selenium	77-2	117	107	97	107	9.37	cps
Selenium	78-2	773	713	730	739	4.19	cps
Silicon	28-1	3160084	3453521	3571963	3395189	6.25	cps
Silver	107-1	493	476	466	478	2.80	cps
Silver	109-1	407	390	407	401	2.40	cps
Sodium	23-2	4540801	4508262	4692535	4580533	2.15	cps
Strontium	86-1	58455	60631	62064	60383	3.01	cps
Strontium	88-1	525403	528854	540905	531721	1.53	cps
Sulfur	34-1	179312	182300	185447	182353	1.68	cps
Terbium	159-1	8320558	8592487	8621910	8511652	1.95	cps
Terbium	159-2	6455288	6351001	6413585	6406625	0.82	cps
Thallium	203-1	393	410	393	399	2.41	cps
Thallium	205-1	878	914	975	922	5.29	cps
Tin	118-1	8886	9410	8936	9077	3.18	cps
Titanium	47-1	5374	5935	5898	5736	5.46	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DLX5	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:06:06	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	593	647	600	613	4.74	cps
Vanadium	51-2	2400	2614	2777	2597	7.28	cps
Yttrium	89-1	10985511	11011039	11276371	11090973	1.45	cps
Yttrium	89-2	3375525	3417225	3403140	3398630	0.62	cps
Zinc	66-2	72408	72170	71795	72124	0.43	cps
Zirconium	90-1	4828	4831	5141	4933	3.65	cps
Zirconium	91-1	1087	1117	1070	1091	2.17	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01	Instrumnet Name :	P7
Client Sample ID :	293	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:09:18	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	133637	133734	134675	134015	0.43	cps
Antimony	121-1	21633	21914	21783	21777	0.64	cps
Arsenic	75-2	12784	12892	12093	12590	3.44	cps
Barium	135-1	32380	33249	32581	32737	1.39	cps
Barium	137-1	55719	56729	56816	56421	1.08	cps
Beryllium	9-1	14	17	14	15	12.78	cps
Bismuth	209-1	4307023	4265086	4196490	4256200	1.31	cps
Bismuth	209-2	3809408	3695400	3745348	3750052	1.52	cps
Bromine	81-1	2848996	3629294	4007286	3495192	16.90	cps
Bromine	81-2	765173	782404	797351	781643	2.06	cps
Cadmium	108-1	22254	22427	22818	22500	1.28	cps
Cadmium	106-1	1990	1980	2074	2015	2.54	cps
Cadmium	111-1	12133	11781	11415	11776	3.05	cps
Calcium	43-1	22230	22146	22594	22323	1.07	cps
Calcium	44-1	572034	590827	591995	584952	1.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21666	22180	22477	22107	1.86	cps
Cobalt	59-2	3067	3207	2870	3048	5.55	cps
Copper	63-2	682708	689200	691950	687952	0.69	cps
Dysprosium	156-1	33	27	17	26	32.81	cps
Dysprosium	156-2	33	47	33	38	20.39	cps
Erbium	164-1	77	47	90	71	31.21	cps
Erbium	164-2	63	50	50	54	14.14	cps
Gadolinium	160-1	50	50	40	47	12.37	cps
Gadolinium	160-2	270	343	350	321	13.82	cps
Holmium	165-1	6864682	6956756	6982357	6934598	0.89	cps
Holmium	165-2	5345437	5399614	5254830	5333293	1.37	cps
Indium	115-1	5583143	5789659	5874675	5749159	2.61	cps
Indium	115-2	2356602	2357529	2366048	2360060	0.22	cps
Iron	56-2	3507760	3595424	3532494	3545226	1.27	cps
Iron	57-2	79784	80960	80736	80493	0.78	cps
Iron	54-2	178246	177624	178960	178277	0.37	cps
Krypton	83-1	440	593	637	557	18.56	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01	Instrumnet Name :	P7
Client Sample ID :	293	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:09:18	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12426	13043	12486	12652	2.69	cps
Lead	207-1	10958	10938	11208	11035	1.36	cps
Lead	208-1	49432	50727	50854	50338	1.56	cps
Lithium	6-1	393295	388879	403173	395116	1.85	cps
Magnesium	24-2	213105	212749	215970	213941	0.83	cps
Manganese	55-2	1852587	1877750	1904485	1878274	1.38	cps
Molybdenum	94-1	101332995	103283748	102312908	102309884	0.95	cps
Molybdenum	95-1	175577837	181898464	180005704	179160668	1.81	cps
Molybdenum	96-1	192100177	194014057	193206737	193106990	0.50	cps
Molybdenum	97-1	112049075	112346638	112952915	112449543	0.41	cps
Molybdenum	98-1	281966309	284674822	287634776	284758636	1.00	cps
Neodymium	150-1	50	33	50	44	21.66	cps
Neodymium	150-2	20	30	23	24	20.83	cps
Nickel	60-2	6474	6033	6343	6283	3.60	cps
Phosphorus	31-2	32949	33196	33433	33193	0.73	cps
Potassium	39-2	256485250	259686683	262782896	259651609	1.21	cps
Rhodium	103-1	5596960	5445407	5651736	5564701	1.92	cps
Rhodium	103-2	3794966	3731225	3757262	3761151	0.85	cps
Scandium	45-1	3366317	3456609	3398325	3407084	1.34	cps
Scandium	45-2	317910	317897	321259	319022	0.61	cps
Selenium	82-1	4052	4712	4966	4577	10.30	cps
Selenium	77-2	433	507	460	467	7.95	cps
Selenium	78-2	2230	2267	2237	2245	0.87	cps
Silicon	28-1	19214238	21280260	23272152	21255550	9.55	cps
Silver	107-1	934	887	1041	954	8.23	cps
Silver	109-1	1043	1057	1090	1063	2.26	cps
Sodium	23-2	323986229	330501695	326877362	327121762	1.00	cps
Strontium	86-1	22474	22183	22467	22375	0.74	cps
Strontium	88-1	184476	188688	190193	187786	1.58	cps
Sulfur	34-1	297287	287371	282499	289052	2.61	cps
Terbium	159-1	7027499	7077258	7097988	7067581	0.51	cps
Terbium	159-2	5256471	5283059	5310718	5283416	0.51	cps
Thallium	203-1	1237	1060	1017	1105	10.55	cps
Thallium	205-1	2865	2759	2586	2737	5.16	cps
Tin	118-1	29303	30796	30262	30120	2.51	cps
Titanium	47-1	8736	8322	8656	8571	2.56	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01	Instrumnet Name :	P7
Client Sample ID :	293	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:09:18	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	417	407	393	406	2.89	cps
Vanadium	51-2	8352	8229	8186	8256	1.05	cps
Yttrium	89-1	9266644	9379747	9472261	9372884	1.10	cps
Yttrium	89-2	2860805	2892578	2803520	2852301	1.58	cps
Zinc	66-2	340989	340549	340206	340581	0.12	cps
Zirconium	90-1	1690	1893	2054	1879	9.69	cps
Zirconium	91-1	417	443	437	432	3.21	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3326DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:12:32	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	32798	32561	32077	32479	1.13	cps
Antimony	121-1	5998	6088	5961	6016	1.08	cps
Arsenic	75-2	2635	2416	2336	2462	6.30	cps
Barium	135-1	27219	27771	26772	27254	1.84	cps
Barium	137-1	47917	47298	48031	47749	0.83	cps
Beryllium	9-1	71	66	61	66	7.80	cps
Bismuth	209-1	5109533	5190242	5122437	5140737	0.84	cps
Bismuth	209-2	4507671	4592688	4538306	4546222	0.95	cps
Bromine	81-1	384282	307103	246039	312474	22.17	cps
Bromine	81-2	38818	34554	32429	35267	9.23	cps
Cadmium	108-1	40	63	47	50	24.03	cps
Cadmium	106-1	2464	2450	2324	2412	3.20	cps
Cadmium	111-1	1993	2024	1860	1959	4.44	cps
Calcium	43-1	197622	199664	193614	196967	1.56	cps
Calcium	44-1	3624453	3653212	3518185	3598617	1.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11528	11571	11565	11555	0.20	cps
Cobalt	59-2	3657	3727	3797	3727	1.88	cps
Copper	63-2	29980	29897	29523	29800	0.82	cps
Dysprosium	156-1	787	757	723	756	4.19	cps
Dysprosium	156-2	763	657	693	704	7.69	cps
Erbium	164-1	940	973	947	953	1.85	cps
Erbium	164-2	567	680	713	653	11.77	cps
Gadolinium	160-1	880	903	787	857	7.21	cps
Gadolinium	160-2	1013	943	1027	994	4.50	cps
Holmium	165-1	8046054	8236283	8011054	8097797	1.50	cps
Holmium	165-2	6100884	6146292	6119337	6122171	0.37	cps
Indium	115-1	7068754	7064274	6732700	6955243	2.77	cps
Indium	115-2	2793292	2798398	2717029	2769573	1.65	cps
Iron	56-2	8131865	7938120	8003474	8024487	1.23	cps
Iron	57-2	184812	184319	184036	184389	0.21	cps
Iron	54-2	401918	399531	401609	401019	0.32	cps
Krypton	83-1	563	533	497	531	6.29	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3326DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:12:32	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	44777	45309	43650	44578	1.90	cps
Lead	207-1	37117	38240	37829	37729	1.51	cps
Lead	208-1	175884	177031	175358	176091	0.49	cps
Lithium	6-1	455370	457451	435620	449480	2.68	cps
Magnesium	24-2	872745	857779	869037	866520	0.90	cps
Manganese	55-2	300020	296978	296896	297965	0.60	cps
Molybdenum	94-1	57871	57522	55976	57123	1.77	cps
Molybdenum	95-1	95942	96999	94620	95853	1.24	cps
Molybdenum	96-1	105578	103255	104239	104357	1.12	cps
Molybdenum	97-1	61753	61562	60327	61214	1.26	cps
Molybdenum	98-1	153697	157351	150685	153911	2.17	cps
Neodymium	150-1	1010	1007	1027	1014	1.06	cps
Neodymium	150-2	723	633	630	662	8.00	cps
Nickel	60-2	4396	4496	4592	4495	2.18	cps
Phosphorus	31-2	6275	6405	6395	6358	1.14	cps
Potassium	39-2	1531770	1489259	1494968	1505332	1.53	cps
Rhodium	103-1	6905782	6720156	6869183	6831707	1.44	cps
Rhodium	103-2	4479291	4454535	4430200	4454675	0.55	cps
Scandium	45-1	3991566	4147541	3977552	4038886	2.34	cps
Scandium	45-2	368361	366788	365548	366899	0.38	cps
Selenium	82-1	1039	1035	1068	1047	1.71	cps
Selenium	77-2	63	100	93	86	22.83	cps
Selenium	78-2	767	713	730	737	3.70	cps
Silicon	28-1	23843070	23404285	23219571	23488975	1.36	cps
Silver	107-1	391	463	447	434	8.74	cps
Silver	109-1	407	363	460	410	11.81	cps
Sodium	23-2	19767916	19863180	19854350	19828482	0.27	cps
Strontium	86-1	71375	70729	71281	71129	0.49	cps
Strontium	88-1	627822	625735	621107	624888	0.55	cps
Sulfur	34-1	160746	160261	160769	160592	0.18	cps
Terbium	159-1	8209661	8184631	8402670	8265654	1.44	cps
Terbium	159-2	6076162	5962186	6032092	6023480	0.95	cps
Thallium	203-1	230	250	233	238	4.51	cps
Thallium	205-1	482	527	539	516	5.87	cps
Tin	118-1	8649	8443	8719	8604	1.67	cps
Titanium	47-1	5988	6165	5988	6047	1.69	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DLX5	Instrumnet Name :	P7
Client Sample ID :	3326DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:12:32	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2420	2300	2394	2371	2.66	cps
Vanadium	51-2	8152	8272	8156	8193	0.83	cps
Yttrium	89-1	11170114	11516515	11017152	11234594	2.28	cps
Yttrium	89-2	3306062	3271420	3314751	3297411	0.70	cps
Zinc	66-2	37905	38326	37908	38046	0.64	cps
Zirconium	90-1	3390	3434	3377	3400	0.87	cps
Zirconium	91-1	753	750	793	766	3.15	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	3326DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:15:47	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	31669	31225	31349	31414	0.73	cps
Antimony	121-1	5564	5628	5438	5543	1.75	cps
Arsenic	75-2	1907	1813	1688	1803	6.11	cps
Barium	135-1	26348	26401	25803	26184	1.26	cps
Barium	137-1	44550	45432	44626	44869	1.09	cps
Beryllium	9-1	84	42	44	57	41.89	cps
Bismuth	209-1	5093883	4648048	4968657	4903529	4.69	cps
Bismuth	209-2	4489148	4155241	4280133	4308174	3.92	cps
Bromine	81-1	82375	74996	73033	76801	6.41	cps
Bromine	81-2	11471	10784	10224	10826	5.77	cps
Cadmium	108-1	43	33	37	38	13.48	cps
Cadmium	106-1	2254	2084	2394	2244	6.92	cps
Cadmium	111-1	1827	1635	1890	1784	7.44	cps
Calcium	43-1	183857	179420	186648	183309	1.99	cps
Calcium	44-1	3439096	3392237	3368598	3399977	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8079	8029	7959	8022	0.75	cps
Cobalt	59-2	3450	3200	3554	3402	5.34	cps
Copper	63-2	27773	27462	28167	27800	1.27	cps
Dysprosium	156-1	843	733	733	770	8.25	cps
Dysprosium	156-2	557	713	717	662	13.81	cps
Erbium	164-1	910	787	907	868	8.10	cps
Erbium	164-2	760	733	590	694	13.17	cps
Gadolinium	160-1	953	927	883	921	3.84	cps
Gadolinium	160-2	1093	863	1003	987	11.75	cps
Holmium	165-1	8171336	7868310	8000703	8013450	1.90	cps
Holmium	165-2	6048404	5640113	5738001	5808839	3.67	cps
Indium	115-1	6882351	6676918	6671833	6743700	1.78	cps
Indium	115-2	2700397	2474571	2558088	2577685	4.43	cps
Iron	56-2	7734730	7794057	7686551	7738446	0.70	cps
Iron	57-2	179452	176567	176174	177398	1.01	cps
Iron	54-2	385610	380210	384298	383373	0.73	cps
Krypton	83-1	560	610	560	577	5.01	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	3326DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:15:47	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	43339	43004	42556	42967	0.91	cps
Lead	207-1	35373	35567	34567	35169	1.51	cps
Lead	208-1	163870	163998	165227	164365	0.46	cps
Lithium	6-1	438331	416662	446601	433865	3.56	cps
Magnesium	24-2	829915	821634	820670	824073	0.62	cps
Manganese	55-2	282794	282291	279259	281448	0.68	cps
Molybdenum	94-1	13219	13193	13913	13442	3.04	cps
Molybdenum	95-1	21105	21015	21189	21103	0.41	cps
Molybdenum	96-1	22588	22674	22537	22600	0.31	cps
Molybdenum	97-1	13046	13066	13290	13134	1.03	cps
Molybdenum	98-1	33335	34203	33375	33638	1.46	cps
Neodymium	150-1	943	983	993	973	2.72	cps
Neodymium	150-2	600	617	617	611	1.57	cps
Nickel	60-2	3414	3315	3220	3316	2.93	cps
Phosphorus	31-2	6445	6308	6195	6316	1.98	cps
Potassium	39-2	1311557	1298027	1303806	1304463	0.52	cps
Rhodium	103-1	6668925	6563304	6690821	6641016	1.03	cps
Rhodium	103-2	4372565	4138269	4210344	4240393	2.83	cps
Scandium	45-1	4129505	3839514	4024807	3997942	3.67	cps
Scandium	45-2	358927	337343	347480	347917	3.10	cps
Selenium	82-1	769	769	825	788	4.09	cps
Selenium	77-2	63	53	80	66	20.55	cps
Selenium	78-2	703	653	647	668	4.64	cps
Silicon	28-1	21823884	21698109	21432390	21651461	0.92	cps
Silver	107-1	341	439	450	410	14.72	cps
Silver	109-1	390	357	380	376	4.56	cps
Sodium	23-2	18986001	18670262	18598503	18751588	1.10	cps
Strontium	86-1	67350	67551	66178	67026	1.11	cps
Strontium	88-1	574479	580370	592268	582372	1.56	cps
Sulfur	34-1	161352	163272	159264	161296	1.24	cps
Terbium	159-1	8256172	7767125	7928213	7983836	3.12	cps
Terbium	159-2	6077758	5620162	5671011	5789644	4.33	cps
Thallium	203-1	153	183	170	169	8.90	cps
Thallium	205-1	396	376	356	376	5.28	cps
Tin	118-1	8413	8870	8754	8679	2.74	cps
Titanium	47-1	5708	5768	5578	5684	1.71	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	3326DUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:15:47	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2054	2204	2037	2098	4.38	cps
Vanadium	51-2	7982	8219	7962	8054	1.77	cps
Yttrium	89-1	10965328	10313444	11009018	10762597	3.62	cps
Yttrium	89-2	3225546	3019391	3161920	3135619	3.37	cps
Zinc	66-2	32940	33033	32963	32979	0.15	cps
Zirconium	90-1	3664	3260	3467	3464	5.82	cps
Zirconium	91-1	753	677	717	716	5.36	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	3326LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:18:57	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6688	7005	6548	6747	3.47	cps
Antimony	121-1	1330	1183	1230	1248	6.01	cps
Arsenic	75-2	527	640	551	573	10.44	cps
Barium	135-1	5194	4998	5118	5103	1.94	cps
Barium	137-1	8499	8896	8783	8726	2.34	cps
Beryllium	9-1	21	14	11	15	32.37	cps
Bismuth	209-1	4735271	4870861	4748195	4784776	1.56	cps
Bismuth	209-2	4303630	4384901	4358449	4348993	0.95	cps
Bromine	81-1	41405	40345	38280	40010	3.97	cps
Bromine	81-2	5438	5641	5208	5429	3.99	cps
Cadmium	108-1	67	67	37	57	30.56	cps
Cadmium	106-1	2300	2220	2140	2220	3.60	cps
Cadmium	111-1	1647	1627	1626	1633	0.71	cps
Calcium	43-1	36347	35635	36156	36046	1.02	cps
Calcium	44-1	633921	632986	637249	634719	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4154	4197	4061	4137	1.69	cps
Cobalt	59-2	710	703	777	730	5.56	cps
Copper	63-2	8336	7849	7572	7919	4.88	cps
Dysprosium	156-1	177	167	140	161	11.77	cps
Dysprosium	156-2	127	167	137	143	14.52	cps
Erbium	164-1	170	243	203	206	17.86	cps
Erbium	164-2	143	133	137	138	3.70	cps
Gadolinium	160-1	207	190	193	197	4.48	cps
Gadolinium	160-2	437	383	443	421	7.81	cps
Holmium	165-1	7640736	7710926	7627087	7659583	0.59	cps
Holmium	165-2	6000861	5990395	5953165	5981474	0.42	cps
Indium	115-1	6630286	6663832	6498198	6597439	1.33	cps
Indium	115-2	2645888	2627942	2627924	2633918	0.39	cps
Iron	56-2	1514542	1536155	1533923	1528207	0.78	cps
Iron	57-2	35191	35896	35772	35620	1.06	cps
Iron	54-2	77264	77377	77870	77504	0.42	cps
Krypton	83-1	527	560	517	534	4.25	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	3326LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:18:57	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8826	8856	8933	8872	0.62	cps
Lead	207-1	7012	7469	7619	7367	4.29	cps
Lead	208-1	33730	34628	34778	34378	1.65	cps
Lithium	6-1	424624	424620	419976	423073	0.63	cps
Magnesium	24-2	162084	163839	161763	162562	0.69	cps
Manganese	55-2	60414	61555	60230	60733	1.18	cps
Molybdenum	94-1	158632	159764	157480	158626	0.72	cps
Molybdenum	95-1	273582	271823	274389	273265	0.48	cps
Molybdenum	96-1	295943	294871	296300	295704	0.25	cps
Molybdenum	97-1	172381	172876	171562	172273	0.39	cps
Molybdenum	98-1	440511	444768	439190	441490	0.66	cps
Neodymium	150-1	133	210	170	171	22.41	cps
Neodymium	150-2	120	113	127	120	5.55	cps
Nickel	60-2	1394	1260	1317	1324	5.08	cps
Phosphorus	31-2	1937	1803	1793	1845	4.34	cps
Potassium	39-2	709651	710604	713632	711296	0.29	cps
Rhodium	103-1	6384239	6452402	6387643	6408095	0.60	cps
Rhodium	103-2	4280208	4338247	4311614	4310023	0.67	cps
Scandium	45-1	3822192	3823271	3766613	3804026	0.85	cps
Scandium	45-2	346189	344412	348680	346427	0.62	cps
Selenium	82-1	772	795	734	767	3.98	cps
Selenium	77-2	77	47	47	57	30.56	cps
Selenium	78-2	617	707	707	677	7.68	cps
Silicon	28-1	5112342	5077359	5023124	5070942	0.89	cps
Silver	107-1	168	141	171	160	10.25	cps
Silver	109-1	140	137	127	134	5.16	cps
Sodium	23-2	4248836	4298616	4266003	4271152	0.59	cps
Strontium	86-1	13660	13743	13576	13660	0.61	cps
Strontium	88-1	112970	114115	113108	113398	0.55	cps
Sulfur	34-1	123541	125298	123471	124103	0.83	cps
Terbium	159-1	7922748	7890959	7828769	7880826	0.61	cps
Terbium	159-2	5825771	5773421	5715418	5771537	0.96	cps
Thallium	203-1	173	170	163	169	3.01	cps
Thallium	205-1	308	271	271	284	7.54	cps
Tin	118-1	6495	6401	6341	6413	1.21	cps
Titanium	47-1	1243	1263	1313	1273	2.83	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01LDLX25	Instrumnet Name :	P7
Client Sample ID :	3326LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:18:57	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	420	440	437	432	2.48	cps
Vanadium	51-2	1693	1523	1630	1616	5.32	cps
Yttrium	89-1	10258865	10440469	10338859	10346064	0.88	cps
Yttrium	89-2	3136880	3128680	3131663	3132407	0.13	cps
Zinc	66-2	9443	9490	9520	9484	0.41	cps
Zirconium	90-1	867	1043	850	920	11.65	cps
Zirconium	91-1	170	227	163	187	18.64	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:22:14	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	351465	348056	347819	349113	0.58	cps
Antimony	121-1	624579	633002	633184	630255	0.78	cps
Arsenic	75-2	52694	51992	51559	52082	1.10	cps
Barium	135-1	707687	703153	703509	704783	0.36	cps
Barium	137-1	1220040	1225800	1223964	1223268	0.24	cps
Beryllium	9-1	95604	94931	95319	95285	0.35	cps
Bismuth	209-1	4941643	4792795	4840496	4858312	1.56	cps
Bismuth	209-2	4394370	4227646	4369146	4330387	2.08	cps
Bromine	81-1	30648	30655	31180	30828	0.99	cps
Bromine	81-2	4367	4371	4347	4362	0.29	cps
Cadmium	108-1	12702	13023	12652	12792	1.57	cps
Cadmium	106-1	19243	19874	19747	19621	1.70	cps
Cadmium	111-1	180714	180860	181385	180986	0.19	cps
Calcium	43-1	340534	342494	340570	341199	0.33	cps
Calcium	44-1	6192148	6165118	6032889	6130052	1.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	338406	332117	333107	334544	1.01	cps
Cobalt	59-2	527305	524763	518400	523489	0.88	cps
Copper	63-2	5513772	5508702	5548934	5523803	0.40	cps
Dysprosium	156-1	710	687	723	707	2.63	cps
Dysprosium	156-2	720	653	613	662	8.14	cps
Erbium	164-1	810	823	840	824	1.82	cps
Erbium	164-2	653	513	597	588	11.98	cps
Gadolinium	160-1	850	807	840	832	2.73	cps
Gadolinium	160-2	1007	900	910	939	6.27	cps
Holmium	165-1	7862687	7788169	7679606	7776821	1.18	cps
Holmium	165-2	6026138	5875102	5897635	5932958	1.37	cps
Indium	115-1	6535937	6579172	6589829	6568313	0.43	cps
Indium	115-2	2642784	2568665	2555534	2588994	1.82	cps
Iron	56-2	23330037	23073836	23506607	23303494	0.93	cps
Iron	57-2	526401	525562	526673	526212	0.11	cps
Iron	54-2	1177766	1169112	1158942	1168607	0.81	cps
Krypton	83-1	517	580	483	527	9.32	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:22:14	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3607906	3548790	3434632	3530443	2.49	cps
Lead	207-1	3068488	3106539	3024203	3066410	1.34	cps
Lead	208-1	14184736	13947428	13862272	13998145	1.19	cps
Lithium	6-1	431629	435553	428619	431934	0.81	cps
Magnesium	24-2	4496369	4382518	4338794	4405894	1.85	cps
Manganese	55-2	4098650	4051786	3998808	4049748	1.23	cps
Molybdenum	94-1	1100484	1119057	1114697	1111413	0.87	cps
Molybdenum	95-1	1401733	1222457	1444189	1356127	8.68	cps
Molybdenum	96-1	1619556	1594157	1618959	1610891	0.90	cps
Molybdenum	97-1	769747	771579	770106	770477	0.13	cps
Molybdenum	98-1	2289749	2298229	2290061	2292680	0.21	cps
Neodymium	150-1	970	940	893	934	4.13	cps
Neodymium	150-2	623	537	587	582	7.47	cps
Nickel	60-2	186566	186418	184019	185668	0.77	cps
Phosphorus	31-2	5881	5478	6025	5794	4.89	cps
Potassium	39-2	3083700	2962807	3012746	3019751	2.01	cps
Rhodium	103-1	6412382	6478333	6419136	6436617	0.56	cps
Rhodium	103-2	4239205	4277260	4207098	4241188	0.83	cps
Scandium	45-1	3887904	3879664	3758835	3842134	1.88	cps
Scandium	45-2	354578	346747	345282	348869	1.43	cps
Selenium	82-1	14310	14341	14371	14340	0.21	cps
Selenium	77-2	1657	1507	1467	1543	6.49	cps
Selenium	78-2	5745	5614	5694	5684	1.15	cps
Silicon	28-1	19523087	19628116	19502329	19551178	0.34	cps
Silver	107-1	169549	170927	170383	170286	0.41	cps
Silver	109-1	137375	140493	140145	139338	1.23	cps
Sodium	23-2	22874188	22428279	22646241	22649569	0.98	cps
Strontium	86-1	305858	309567	308928	308118	0.64	cps
Strontium	88-1	3146671	3133369	3132983	3137674	0.25	cps
Sulfur	34-1	159954	162355	164495	162268	1.40	cps
Terbium	159-1	7912271	8010982	7961335	7961529	0.62	cps
Terbium	159-2	5873840	5739753	5819649	5811081	1.16	cps
Thallium	203-1	550976	556893	558607	555492	0.72	cps
Thallium	205-1	1278397	1273918	1273230	1275182	0.22	cps
Tin	118-1	483784	490550	485599	486644	0.72	cps
Titanium	47-1	5848	5931	5431	5737	4.67	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:22:14	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2089222	2080216	2105278	2091572	0.61	cps
Vanadium	51-2	289954	290307	292017	290760	0.38	cps
Yttrium	89-1	10600049	10393308	10629425	10540927	1.22	cps
Yttrium	89-2	3187237	3104227	3099956	3130473	1.57	cps
Zinc	66-2	924270	913953	928692	922305	0.82	cps
Zirconium	90-1	1114810	1117910	1127159	1119960	0.57	cps
Zirconium	91-1	249870	246801	249544	248738	0.68	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:25:15	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	339067	343036	339397	340500	0.65	cps
Antimony	121-1	664898	675724	678247	672956	1.05	cps
Arsenic	75-2	288654	288122	287444	288073	0.21	cps
Barium	135-1	685216	687571	678856	683881	0.66	cps
Barium	137-1	1180564	1179848	1193830	1184747	0.66	cps
Beryllium	9-1	105268	106519	105792	105860	0.59	cps
Bismuth	209-1	4805512	4731941	4815085	4784179	0.95	cps
Bismuth	209-2	4308521	4243067	4214014	4255201	1.14	cps
Bromine	81-1	25165	25612	25983	25587	1.60	cps
Bromine	81-2	3177	3664	3404	3415	7.13	cps
Cadmium	108-1	13780	13910	13670	13787	0.87	cps
Cadmium	106-1	21199	21780	21299	21426	1.45	cps
Cadmium	111-1	197095	196425	200144	197888	1.00	cps
Calcium	43-1	329684	330222	329419	329775	0.12	cps
Calcium	44-1	5950139	6085502	5985597	6007080	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	402289	397785	400300	400124	0.56	cps
Cobalt	59-2	580027	575492	576311	577277	0.42	cps
Copper	63-2	5264086	5348907	5408863	5340619	1.36	cps
Dysprosium	156-1	733	707	667	702	4.78	cps
Dysprosium	156-2	670	697	580	649	9.42	cps
Erbium	164-1	753	773	923	817	11.38	cps
Erbium	164-2	663	660	593	639	6.18	cps
Gadolinium	160-1	770	800	870	813	6.31	cps
Gadolinium	160-2	883	973	850	902	7.07	cps
Holmium	165-1	7700461	7786111	7519343	7668638	1.78	cps
Holmium	165-2	5859470	5965079	5945426	5923325	0.95	cps
Indium	115-1	6412980	6424124	6417275	6418126	0.09	cps
Indium	115-2	2572546	2552159	2596492	2573732	0.86	cps
Iron	56-2	22627741	22663973	23440042	22910585	2.00	cps
Iron	57-2	516089	518032	521112	518411	0.49	cps
Iron	54-2	1144755	1150894	1142008	1145885	0.40	cps
Krypton	83-1	590	537	507	544	7.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:25:15	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3441985	3383767	3477225	3434326	1.37	cps
Lead	207-1	3026050	3072979	3028254	3042427	0.87	cps
Lead	208-1	13742524	13755091	13970559	13822725	0.93	cps
Lithium	6-1	423328	426502	433783	427871	1.25	cps
Magnesium	24-2	4335906	4326979	4360891	4341258	0.40	cps
Manganese	55-2	3868399	3930508	4032950	3943952	2.11	cps
Molybdenum	94-1	1125268	1124831	1132555	1127551	0.38	cps
Molybdenum	95-1	1378542	1185992	1199118	1254550	8.58	cps
Molybdenum	96-1	1567587	1567450	1584111	1573050	0.61	cps
Molybdenum	97-1	741127	760195	758544	753289	1.40	cps
Molybdenum	98-1	2225542	2218163	2241236	2228313	0.53	cps
Neodymium	150-1	800	900	903	868	6.77	cps
Neodymium	150-2	470	520	567	519	9.32	cps
Nickel	60-2	218143	217121	215433	216899	0.63	cps
Phosphorus	31-2	5661	5638	5661	5653	0.24	cps
Potassium	39-2	2891219	2917916	2893311	2900816	0.51	cps
Rhodium	103-1	6337517	6363027	6291830	6330792	0.57	cps
Rhodium	103-2	4240135	4252118	4174026	4222093	1.00	cps
Scandium	45-1	3780795	3820104	3776871	3792590	0.63	cps
Scandium	45-2	342792	341857	341653	342101	0.18	cps
Selenium	82-1	15124	15093	15447	15221	1.29	cps
Selenium	77-2	1610	1627	1580	1606	1.47	cps
Selenium	78-2	5958	5975	5548	5827	4.15	cps
Silicon	28-1	18971329	18999713	19107142	19026061	0.38	cps
Silver	107-1	175882	176040	174718	175547	0.41	cps
Silver	109-1	142749	144075	144479	143768	0.63	cps
Sodium	23-2	21530906	21855681	21988599	21791729	1.08	cps
Strontium	86-1	329162	324870	330288	328107	0.87	cps
Strontium	88-1	3314421	3315931	3279026	3303126	0.63	cps
Sulfur	34-1	165684	166317	165638	165880	0.23	cps
Terbium	159-1	7918618	7785996	7713911	7806175	1.33	cps
Terbium	159-2	5867737	5768031	5844698	5826822	0.90	cps
Thallium	203-1	609025	609979	610831	609945	0.15	cps
Thallium	205-1	1389288	1414983	1396082	1400117	0.95	cps
Tin	118-1	475238	473127	470708	473024	0.48	cps
Titanium	47-1	5521	5558	5598	5559	0.69	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	3326MSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:25:15	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2361171	2380668	2348845	2363561	0.68	cps
Vanadium	51-2	314760	315679	316385	315608	0.26	cps
Yttrium	89-1	10322801	10306662	10316900	10315455	0.08	cps
Yttrium	89-2	3033215	3100836	3068737	3067596	1.10	cps
Zinc	66-2	904917	903833	901933	903561	0.17	cps
Zirconium	90-1	1195302	1196333	1394115	1261917	9.07	cps
Zirconium	91-1	267267	264973	267732	266658	0.55	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	3326ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:28:22	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	324500	328839	323635	325658	0.86	cps
Antimony	121-1	612351	616361	624870	617861	1.03	cps
Arsenic	75-2	70714	70540	68866	70040	1.46	cps
Barium	135-1	645987	654663	656945	652532	0.89	cps
Barium	137-1	1113593	1127564	1149526	1130228	1.60	cps
Beryllium	9-1	93329	94230	95440	94333	1.12	cps
Bismuth	209-1	4827676	4852942	4940831	4873817	1.22	cps
Bismuth	209-2	4360509	4311476	4285378	4319121	0.88	cps
Bromine	81-1	21966	23285	23315	22856	3.37	cps
Bromine	81-2	2774	3057	3087	2973	5.82	cps
Cadmium	108-1	12222	12285	12726	12411	2.21	cps
Cadmium	106-1	18722	19520	19480	19241	2.34	cps
Cadmium	111-1	174750	176837	177808	176465	0.89	cps
Calcium	43-1	327366	328444	329337	328382	0.30	cps
Calcium	44-1	6011046	5991987	5920165	5974399	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	328018	322230	323332	324526	0.95	cps
Cobalt	59-2	514983	517030	512398	514804	0.45	cps
Copper	63-2	4876106	4843994	4761003	4827035	1.23	cps
Dysprosium	156-1	660	703	653	672	4.04	cps
Dysprosium	156-2	703	567	660	643	10.86	cps
Erbium	164-1	780	827	750	786	4.92	cps
Erbium	164-2	657	700	587	648	8.83	cps
Gadolinium	160-1	797	767	847	803	5.03	cps
Gadolinium	160-2	983	867	880	910	7.02	cps
Holmium	165-1	7741313	7711422	7765866	7739533	0.35	cps
Holmium	165-2	5948399	5957130	5857164	5920898	0.94	cps
Indium	115-1	6483724	6423066	6493142	6466644	0.59	cps
Indium	115-2	2590688	2575949	2605630	2590755	0.57	cps
Iron	56-2	22075194	21916825	22063939	22018652	0.40	cps
Iron	57-2	497307	498091	492767	496055	0.58	cps
Iron	54-2	1101041	1104771	1088371	1098061	0.78	cps
Krypton	83-1	507	583	390	493	19.73	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	3326ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:28:22	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3034169	3118602	3154761	3102511	1.99	cps
Lead	207-1	2597517	2717337	2753353	2689402	3.03	cps
Lead	208-1	12109573	12302777	12640618	12350989	2.18	cps
Lithium	6-1	430370	428791	439865	433009	1.38	cps
Magnesium	24-2	4257372	4325521	4300770	4294555	0.80	cps
Manganese	55-2	3533585	3554339	3563858	3550594	0.44	cps
Molybdenum	94-1	1039491	1057565	1046412	1047823	0.87	cps
Molybdenum	95-1	1127913	1141766	1124559	1131412	0.81	cps
Molybdenum	96-1	1500301	1465080	1458112	1474498	1.53	cps
Molybdenum	97-1	710984	716594	714155	713911	0.39	cps
Molybdenum	98-1	2121481	2136190	2062105	2106592	1.86	cps
Neodymium	150-1	833	867	927	876	5.40	cps
Neodymium	150-2	577	557	643	592	7.66	cps
Nickel	60-2	183762	182748	181753	182754	0.55	cps
Phosphorus	31-2	5908	5868	5768	5848	1.23	cps
Potassium	39-2	2835666	2857571	2827487	2840241	0.55	cps
Rhodium	103-1	6439331	6455174	6343518	6412674	0.94	cps
Rhodium	103-2	4293753	4168060	4272857	4244890	1.59	cps
Scandium	45-1	3867542	3828723	3770172	3822146	1.28	cps
Scandium	45-2	340247	346076	345130	343818	0.91	cps
Selenium	82-1	14034	14295	14163	14164	0.92	cps
Selenium	77-2	1593	1433	1450	1492	5.89	cps
Selenium	78-2	5478	5895	5601	5658	3.78	cps
Silicon	28-1	19277925	19515328	19487317	19426857	0.67	cps
Silver	107-1	165014	167747	167523	166761	0.91	cps
Silver	109-1	135288	137058	139207	137184	1.43	cps
Sodium	23-2	22405376	22223726	22304822	22311308	0.41	cps
Strontium	86-1	300315	305038	298147	301167	1.17	cps
Strontium	88-1	3073029	3117885	2977596	3056170	2.34	cps
Sulfur	34-1	169016	165307	166914	167079	1.11	cps
Terbium	159-1	7817654	7818236	8006963	7880951	1.38	cps
Terbium	159-2	5804233	5945512	5771562	5840436	1.58	cps
Thallium	203-1	546974	549939	559878	552264	1.22	cps
Thallium	205-1	1240244	1267144	1287684	1265024	1.88	cps
Tin	118-1	449736	448981	454403	451040	0.65	cps
Titanium	47-1	5458	5708	5551	5572	2.27	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2550-01ADLX5	Instrumnet Name :	P7
Client Sample ID :	3326ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:28:22	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2041891	2080074	2108947	2076970	1.62	cps
Vanadium	51-2	282212	283836	282518	282855	0.31	cps
Yttrium	89-1	10468883	10527636	10190690	10395736	1.73	cps
Yttrium	89-2	3108791	3073775	3088691	3090419	0.57	cps
Zinc	66-2	803738	801084	802632	802485	0.17	cps
Zirconium	90-1	1085343	1104647	1084340	1091443	1.05	cps
Zirconium	91-1	242254	244249	239521	242008	0.98	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:37:02	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7268	6812	7022	7034	3.25	cps
Antimony	121-1	473	547	530	517	7.44	cps
Arsenic	75-2	156	169	159	161	4.28	cps
Barium	135-1	13710	14291	14040	14014	2.08	cps
Barium	137-1	23970	24334	24271	24192	0.80	cps
Beryllium	9-1	15	11	15	14	13.73	cps
Bismuth	209-1	4838644	4767405	4850840	4818963	0.94	cps
Bismuth	209-2	4268104	4271996	4194346	4244815	1.03	cps
Bromine	81-1	26320	29884	30274	28826	7.56	cps
Bromine	81-2	3987	3924	3791	3901	2.57	cps
Cadmium	108-1	10	20	13	14	35.26	cps
Cadmium	106-1	2057	2030	1917	2001	3.71	cps
Cadmium	111-1	1463	1430	1402	1432	2.11	cps
Calcium	43-1	33694	34299	33918	33970	0.90	cps
Calcium	44-1	596344	603401	601903	600549	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6678	6555	6405	6546	2.09	cps
Cobalt	59-2	1213	1167	1093	1158	5.23	cps
Copper	63-2	7599	7489	7262	7450	2.31	cps
Dysprosium	156-1	53	50	23	42	38.95	cps
Dysprosium	156-2	47	30	27	34	31.11	cps
Erbium	164-1	70	70	93	78	17.32	cps
Erbium	164-2	57	53	57	56	3.47	cps
Gadolinium	160-1	67	77	53	66	17.86	cps
Gadolinium	160-2	323	357	303	328	8.22	cps
Holmium	165-1	7570127	7484153	7611017	7555099	0.86	cps
Holmium	165-2	5986640	5843210	5892163	5907338	1.23	cps
Indium	115-1	6327755	6519871	6449287	6432305	1.51	cps
Indium	115-2	2589592	2595569	2515265	2566809	1.74	cps
Iron	56-2	221745210	221590183	222592710	221976034	0.24	cps
Iron	57-2	5438786	5431395	5437804	5435995	0.07	cps
Iron	54-2	12149543	12118083	12216312	12161313	0.41	cps
Krypton	83-1	477	563	567	536	9.53	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:37:02	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3681	3767	3961	3803	3.77	cps
Lead	207-1	3330	3377	3397	3368	1.02	cps
Lead	208-1	15000	15480	15510	15330	1.87	cps
Lithium	6-1	432608	429656	433464	431909	0.46	cps
Magnesium	24-2	83706	84675	83760	84047	0.65	cps
Manganese	55-2	6794140	6614792	6758682	6722538	1.41	cps
Molybdenum	94-1	2464	2370	2397	2410	1.99	cps
Molybdenum	95-1	2484	2617	2580	2560	2.69	cps
Molybdenum	96-1	4067	4294	4071	4144	3.14	cps
Molybdenum	97-1	1447	1543	1607	1532	5.26	cps
Molybdenum	98-1	3744	3844	3767	3785	1.38	cps
Neodymium	150-1	90	63	60	71	23.12	cps
Neodymium	150-2	20	30	20	23	24.74	cps
Nickel	60-2	1109	1155	1228	1164	5.16	cps
Phosphorus	31-2	1680	1583	1683	1649	3.44	cps
Potassium	39-2	4478277	4326531	4343240	4382683	1.90	cps
Rhodium	103-1	6298901	6308726	6231914	6279847	0.67	cps
Rhodium	103-2	4292314	4183237	4214169	4229906	1.33	cps
Scandium	45-1	3793870	3766697	3736160	3765576	0.77	cps
Scandium	45-2	343140	337581	337138	339286	0.99	cps
Selenium	82-1	621	507	546	558	10.37	cps
Selenium	77-2	37	60	27	41	41.60	cps
Selenium	78-2	577	667	647	630	7.50	cps
Silicon	28-1	1262962	1319360	1319174	1300498	2.50	cps
Silver	107-1	171	111	148	144	21.00	cps
Silver	109-1	83	87	93	88	5.80	cps
Sodium	23-2	756581	749958	745626	750721	0.73	cps
Strontium	86-1	12062	12062	11895	12006	0.80	cps
Strontium	88-1	96118	98246	97792	97385	1.15	cps
Sulfur	34-1	137573	142289	144970	141610	2.64	cps
Terbium	159-1	7785639	7688374	7922542	7798852	1.51	cps
Terbium	159-2	5797755	5813303	5683497	5764852	1.23	cps
Thallium	203-1	140	130	110	127	12.06	cps
Thallium	205-1	294	267	341	301	12.33	cps
Tin	118-1	3390	3534	3404	3443	2.30	cps
Titanium	47-1	1220	1127	1197	1181	4.11	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2535-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	70125-LIQDL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 13:37:02	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	117	140	140	132	10.19	cps
Vanadium	51-2	533	463	483	493	7.31	cps
Yttrium	89-1	10053019	10084287	10175252	10104186	0.63	cps
Yttrium	89-2	3084224	3042279	3031944	3052816	0.91	cps
Zinc	66-2	14724	14604	14574	14634	0.54	cps
Zirconium	90-1	2564	2184	2460	2402	8.18	cps
Zirconium	91-1	680	577	530	596	12.89	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:41:24	DataFile Name :	039CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10578203	10298503	10484443	10453717	1.36	cps
Antimony	121-1	3406064	3497326	3499913	3467768	1.54	cps
Arsenic	75-2	219774	219567	218573	219304	0.29	cps
Barium	135-1	4308797	4326908	4343694	4326466	0.40	cps
Barium	137-1	7291638	7340925	7605748	7412770	2.28	cps
Beryllium	9-1	470825	476715	478862	475467	0.88	cps
Bismuth	209-1	4560221	4535497	4473747	4523155	0.98	cps
Bismuth	209-2	4058465	3850511	3902250	3937075	2.75	cps
Bromine	81-1	13089	13216	13299	13202	0.80	cps
Bromine	81-2	740	783	817	780	4.93	cps
Cadmium	108-1	62457	64533	64995	63995	2.11	cps
Cadmium	106-1	90161	91677	90174	90671	0.96	cps
Cadmium	111-1	886875	909380	902812	899689	1.29	cps
Calcium	43-1	5072889	5077873	5185086	5111949	1.24	cps
Calcium	44-1	83300234	81533887	83549755	82794625	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1879134	1877738	1872631	1876501	0.18	cps
Cobalt	59-2	2904204	2885806	2926568	2905526	0.70	cps
Copper	63-2	21386827	21430318	21333266	21383470	0.23	cps
Dysprosium	156-1	200	213	240	218	9.35	cps
Dysprosium	156-2	297	367	347	337	10.71	cps
Erbium	164-1	490	393	387	423	13.66	cps
Erbium	164-2	317	280	333	310	8.80	cps
Gadolinium	160-1	210	260	213	228	12.27	cps
Gadolinium	160-2	433	417	447	432	3.48	cps
Holmium	165-1	7418061	7378448	7385292	7393934	0.29	cps
Holmium	165-2	5853694	5622822	5618000	5698172	2.36	cps
Indium	115-1	5869163	5977641	5974486	5940430	1.04	cps
Indium	115-2	2390865	2396709	2385441	2391005	0.24	cps
Iron	56-2	461920686	464145540	457780807	461282344	0.70	cps
Iron	57-2	11332117	11542009	11612177	11495434	1.27	cps
Iron	54-2	24937409	25365823	25409207	25237480	1.03	cps
Krypton	83-1	553	560	540	551	1.85	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:41:24	DataFile Name :	039CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13473237	13636318	13753296	13620951	1.03	cps
Lead	207-1	11869008	11833811	11953212	11885343	0.52	cps
Lead	208-1	54292874	53958735	54370018	54207209	0.40	cps
Lithium	6-1	426947	424450	430531	427310	0.72	cps
Magnesium	24-2	92982372	94593885	92871575	93482611	1.03	cps
Manganese	55-2	14319011	14560065	14409180	14429419	0.84	cps
Molybdenum	94-1	12956309	13191065	13163559	13103645	0.98	cps
Molybdenum	95-1	18541744	18653328	18921960	18705677	1.04	cps
Molybdenum	96-1	20304122	20589132	20784403	20559219	1.17	cps
Molybdenum	97-1	11482278	11767289	11681766	11643777	1.26	cps
Molybdenum	98-1	29936371	30460403	30509786	30302187	1.05	cps
Neodymium	150-1	193	147	207	182	17.29	cps
Neodymium	150-2	123	107	90	107	15.63	cps
Nickel	60-2	911280	907625	909075	909327	0.20	cps
Phosphorus	31-2	98219	98175	97696	98030	0.30	cps
Potassium	39-2	52023986	52285076	51461789	51923617	0.81	cps
Rhodium	103-1	5849503	5837221	5881102	5855942	0.39	cps
Rhodium	103-2	3953432	3837635	3880007	3890358	1.51	cps
Scandium	45-1	3623081	3604443	3667870	3631798	0.90	cps
Scandium	45-2	335868	336389	334741	335666	0.25	cps
Selenium	82-1	66262	66622	66444	66443	0.27	cps
Selenium	77-2	7399	7299	7275	7324	0.89	cps
Selenium	78-2	25525	24938	24978	25147	1.31	cps
Silicon	28-1	18116348	18375855	18838676	18443626	1.98	cps
Silver	107-1	4351145	4412375	4487148	4416889	1.54	cps
Silver	109-1	3981516	4041909	4174133	4065853	2.42	cps
Sodium	23-2	139721975	139598131	138943685	139421263	0.30	cps
Strontium	86-1	999386	1023775	1017208	1013456	1.25	cps
Strontium	88-1	10112138	10337862	10296881	10248960	1.17	cps
Sulfur	34-1	408045	405842	403284	405724	0.59	cps
Terbium	159-1	7769678	7612647	7670986	7684437	1.03	cps
Terbium	159-2	5623918	5729426	5639466	5664270	1.01	cps
Thallium	203-1	3333263	3327848	3375929	3345680	0.79	cps
Thallium	205-1	7749067	7775826	7848180	7791024	0.66	cps
Tin	118-1	2960549	3015657	3056961	3011056	1.61	cps
Titanium	47-1	4829418	4842452	4859241	4843704	0.31	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:41:24	DataFile Name :	039CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10456945	10917980	10606984	10660636	2.21	cps
Vanadium	51-2	1599647	1602234	1584002	1595294	0.62	cps
Yttrium	89-1	9909904	9914208	9887408	9903840	0.15	cps
Yttrium	89-2	3022000	2992852	2959661	2991504	1.04	cps
Zinc	66-2	3839296	3755616	3816518	3803810	1.14	cps
Zirconium	90-1	6393349	6488232	6454419	6445333	0.75	cps
Zirconium	91-1	1209419	1411758	1403331	1341503	8.53	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:47:21	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	383	403	303	363	14.56	cps
Antimony	121-1	367	367	287	340	13.59	cps
Arsenic	75-2	14	14	4	10	55.14	cps
Barium	135-1	33	50	50	44	21.66	cps
Barium	137-1	90	47	50	62	38.75	cps
Beryllium	9-1	7	4	7	6	30.75	cps
Bismuth	209-1	4658287	4748008	4699287	4701861	0.96	cps
Bismuth	209-2	4167499	4135323	4110745	4137856	0.69	cps
Bromine	81-1	11424	11491	11775	11564	1.61	cps
Bromine	81-2	640	543	457	547	16.78	cps
Cadmium	108-1	7	17	13	12	41.65	cps
Cadmium	106-1	2044	2034	2100	2059	1.75	cps
Cadmium	111-1	1439	1445	1501	1462	2.33	cps
Calcium	43-1	377	393	343	371	6.86	cps
Calcium	44-1	41911	40765	39819	40832	2.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1727	1833	1820	1793	3.24	cps
Cobalt	59-2	47	63	83	64	28.48	cps
Copper	63-2	1677	1600	1627	1635	2.38	cps
Dysprosium	156-1	0	3	0	1	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	63	67	47	59	18.19	cps
Erbium	164-2	40	50	37	42	16.43	cps
Gadolinium	160-1	30	33	33	32	5.97	cps
Gadolinium	160-2	357	330	290	326	10.31	cps
Holmium	165-1	7336548	7319410	7312700	7322886	0.17	cps
Holmium	165-2	5607858	5730815	5630428	5656367	1.16	cps
Indium	115-1	6330100	6333485	6166329	6276638	1.52	cps
Indium	115-2	2480866	2500092	2476659	2485872	0.50	cps
Iron	56-2	21856	21823	22090	21923	0.66	cps
Iron	57-2	1473	1433	1407	1438	2.33	cps
Iron	54-2	2747	2690	2724	2720	1.05	cps
Krypton	83-1	523	627	493	548	12.77	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:47:21	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	517	590	643	583	10.90	cps
Lead	207-1	520	507	457	494	6.75	cps
Lead	208-1	2213	2360	2367	2313	3.75	cps
Lithium	6-1	425196	428446	427946	427196	0.41	cps
Magnesium	24-2	683	643	613	647	5.43	cps
Manganese	55-2	1080	1103	1123	1102	1.97	cps
Molybdenum	94-1	343	377	373	364	5.04	cps
Molybdenum	95-1	353	303	300	319	9.37	cps
Molybdenum	96-1	500	433	430	454	8.69	cps
Molybdenum	97-1	287	243	233	254	11.14	cps
Molybdenum	98-1	613	640	607	620	2.84	cps
Neodymium	150-1	23	7	7	12	78.69	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	498	559	574	544	7.47	cps
Phosphorus	31-2	557	533	497	529	5.72	cps
Potassium	39-2	72193	71996	70991	71727	0.90	cps
Rhodium	103-1	6135855	6263723	6209930	6203169	1.03	cps
Rhodium	103-2	4140532	4043456	4036578	4073522	1.43	cps
Scandium	45-1	3581110	3662965	3672985	3639020	1.39	cps
Scandium	45-2	335210	326974	322667	328284	1.94	cps
Selenium	82-1	316	267	378	321	17.37	cps
Selenium	77-2	17	3	10	10	66.70	cps
Selenium	78-2	473	497	467	479	3.29	cps
Silicon	28-1	589189	586860	583615	586554	0.48	cps
Silver	107-1	1317	2081	2587	1995	32.05	cps
Silver	109-1	1320	1823	2560	1901	32.81	cps
Sodium	23-2	43123	42532	41890	42515	1.45	cps
Strontium	86-1	1003	873	907	928	7.28	cps
Strontium	88-1	167	210	217	198	13.73	cps
Sulfur	34-1	139772	138268	140673	139571	0.87	cps
Terbium	159-1	7672076	7601624	7403658	7559119	1.84	cps
Terbium	159-2	5595621	5559776	5499971	5551789	0.87	cps
Thallium	203-1	223	153	240	206	22.37	cps
Thallium	205-1	506	492	403	467	11.98	cps
Tin	118-1	2010	1703	1893	1869	8.28	cps
Titanium	47-1	93	107	100	100	6.67	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:47:21	DataFile Name :	040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	47	53	27	42	32.86	cps
Vanadium	51-2	23	20	10	18	39.03	cps
Yttrium	89-1	9924054	9861944	9869426	9885141	0.34	cps
Yttrium	89-2	2990423	2937588	2922704	2950238	1.21	cps
Zinc	66-2	1457	1453	1433	1448	0.87	cps
Zirconium	90-1	583	517	580	560	6.71	cps
Zirconium	91-1	97	127	103	109	14.47	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BL	Instrumnet Name :	P7
Client Sample ID :	PB168792BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:50:40	DataFile Name :	041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	283	270	320	291	8.89	cps
Antimony	121-1	150	130	157	146	9.54	cps
Arsenic	75-2	20	7	10	13	54.62	cps
Barium	135-1	47	53	37	46	18.41	cps
Barium	137-1	43	63	47	51	20.96	cps
Beryllium	9-1	7	4	7	6	33.56	cps
Bismuth	209-1	4674188	4582573	4660514	4639092	1.07	cps
Bismuth	209-2	4163878	4124335	4199966	4162726	0.91	cps
Bromine	81-1	11525	11761	11164	11483	2.62	cps
Bromine	81-2	547	540	527	538	1.89	cps
Cadmium	108-1	10	7	10	9	21.63	cps
Cadmium	106-1	2147	2074	2057	2092	2.29	cps
Cadmium	111-1	1509	1463	1443	1472	2.31	cps
Calcium	43-1	367	427	350	381	10.58	cps
Calcium	44-1	41386	41447	40474	41103	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1740	1830	1750	1773	2.78	cps
Cobalt	59-2	53	80	77	70	20.76	cps
Copper	63-2	1443	1377	1540	1453	5.65	cps
Dysprosium	156-1	17	0	13	10	88.20	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	47	47	40	44	8.66	cps
Erbium	164-2	47	63	37	49	27.55	cps
Gadolinium	160-1	33	43	23	33	30.00	cps
Gadolinium	160-2	350	310	327	329	6.11	cps
Holmium	165-1	7279931	7262564	7397874	7313456	1.01	cps
Holmium	165-2	5767568	5642724	5610412	5673568	1.46	cps
Indium	115-1	6064901	6080190	6241470	6128854	1.60	cps
Indium	115-2	2535727	2494216	2457645	2495863	1.57	cps
Iron	56-2	20811	20531	20304	20549	1.24	cps
Iron	57-2	1337	1323	1373	1345	1.93	cps
Iron	54-2	2597	2704	2477	2592	4.38	cps
Krypton	83-1	523	500	510	511	2.29	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BL	Instrumnet Name :	P7
Client Sample ID :	PB168792BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:50:40	DataFile Name :	041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	423	490	517	477	10.08	cps
Lead	207-1	410	447	457	438	5.61	cps
Lead	208-1	1877	1927	1947	1917	1.88	cps
Lithium	6-1	428347	425017	426551	426638	0.39	cps
Magnesium	24-2	337	370	313	340	8.38	cps
Manganese	55-2	1060	1103	1063	1076	2.24	cps
Molybdenum	94-1	240	260	297	266	10.82	cps
Molybdenum	95-1	220	260	253	244	8.77	cps
Molybdenum	96-1	333	277	250	287	14.85	cps
Molybdenum	97-1	200	180	237	206	13.98	cps
Molybdenum	98-1	407	400	337	381	10.14	cps
Neodymium	150-1	0	3	27	10	145.32	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	435	517	497	483	8.89	cps
Phosphorus	31-2	460	550	460	490	10.61	cps
Potassium	39-2	70050	71417	70144	70537	1.08	cps
Rhodium	103-1	6037041	6137872	6038147	6071020	0.95	cps
Rhodium	103-2	4061878	4063106	4076809	4067264	0.20	cps
Scandium	45-1	3648951	3712799	3638665	3666805	1.10	cps
Scandium	45-2	330609	329504	329179	329764	0.23	cps
Selenium	82-1	337	368	346	350	4.54	cps
Selenium	77-2	0	3	7	3	100.05	cps
Selenium	78-2	480	413	517	470	11.15	cps
Silicon	28-1	577667	584449	566248	576121	1.60	cps
Silver	107-1	917	1327	1727	1324	30.61	cps
Silver	109-1	797	1287	1683	1256	35.38	cps
Sodium	23-2	39681	39404	38505	39196	1.57	cps
Strontium	86-1	860	807	843	837	3.26	cps
Strontium	88-1	193	200	150	181	14.99	cps
Sulfur	34-1	144643	142662	142080	143128	0.94	cps
Terbium	159-1	7527155	7508115	7534215	7523161	0.18	cps
Terbium	159-2	5622754	5576975	5600841	5600190	0.41	cps
Thallium	203-1	147	163	180	163	10.20	cps
Thallium	205-1	330	343	326	333	2.67	cps
Tin	118-1	2290	2177	2087	2185	4.67	cps
Titanium	47-1	70	70	70	70	0.00	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BL	Instrumnet Name :	P7
Client Sample ID :	PB168792BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:50:40	DataFile Name :	041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	23	33	26	27.15	cps
Vanadium	51-2	13	20	10	14	35.26	cps
Yttrium	89-1	9720752	9834524	9874480	9809919	0.81	cps
Yttrium	89-2	2946815	2912157	2910771	2923247	0.70	cps
Zinc	66-2	1633	1553	1513	1567	3.90	cps
Zirconium	90-1	397	370	423	397	6.72	cps
Zirconium	91-1	77	83	73	78	6.55	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BS	Instrumnet Name :	P7
Client Sample ID :	PB168792BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:53:59	DataFile Name :	042LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1975400	2025269	2006027	2002232	1.26	cps
Antimony	121-1	3593616	3622233	3583962	3599937	0.55	cps
Arsenic	75-2	225505	229019	224877	226467	0.99	cps
Barium	135-1	4269109	4439301	4430310	4379573	2.19	cps
Barium	137-1	7582901	7728237	7703419	7671519	1.01	cps
Beryllium	9-1	484805	490968	493340	489704	0.90	cps
Bismuth	209-1	4717456	4831880	4731462	4760266	1.31	cps
Bismuth	209-2	4224087	4291788	4103918	4206598	2.26	cps
Bromine	81-1	11421	11271	11148	11280	1.21	cps
Bromine	81-2	393	497	467	452	11.76	cps
Cadmium	108-1	62889	63485	64777	63717	1.51	cps
Cadmium	106-1	89098	89178	90071	89449	0.60	cps
Cadmium	111-1	885468	890219	896069	890585	0.60	cps
Calcium	43-1	902265	910705	903803	905591	0.50	cps
Calcium	44-1	16294376	16291634	16239966	16275325	0.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1846552	1879074	1819902	1848509	1.60	cps
Cobalt	59-2	3041776	2919097	2935833	2965569	2.24	cps
Copper	63-2	21654756	21965147	20948074	21522659	2.42	cps
Dysprosium	156-1	67	73	113	84	29.89	cps
Dysprosium	156-2	223	270	190	228	17.64	cps
Erbium	164-1	160	143	183	162	12.39	cps
Erbium	164-2	120	120	97	112	12.00	cps
Gadolinium	160-1	110	97	90	99	10.30	cps
Gadolinium	160-2	357	373	300	343	11.20	cps
Holmium	165-1	7381632	7516179	7653013	7516941	1.81	cps
Holmium	165-2	5874416	5959933	5690115	5841488	2.36	cps
Indium	115-1	6289533	6159260	6194666	6214486	1.08	cps
Indium	115-2	2473174	2520433	2514874	2502827	1.03	cps
Iron	56-2	89351402	88167929	88422885	88647405	0.70	cps
Iron	57-2	2197454	2191413	2187932	2192266	0.22	cps
Iron	54-2	4829747	4956700	4878703	4888383	1.31	cps
Krypton	83-1	597	527	467	530	12.28	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BS	Instrumnet Name :	P7
Client Sample ID :	PB168792BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:53:59	DataFile Name :	042LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14342283	14469977	14331776	14381345	0.53	cps
Lead	207-1	12298863	12438916	12396100	12377960	0.58	cps
Lead	208-1	56226404	57235459	56983399	56815087	0.92	cps
Lithium	6-1	445098	439025	444788	442971	0.77	cps
Magnesium	24-2	17494130	17819299	17494872	17602767	1.07	cps
Manganese	55-2	14779189	14712885	14627111	14706395	0.52	cps
Molybdenum	94-1	13383313	13243057	13579054	13401808	1.26	cps
Molybdenum	95-1	18789512	19251497	19310731	19117247	1.49	cps
Molybdenum	96-1	20505530	21140116	21059255	20901634	1.65	cps
Molybdenum	97-1	11719760	11828161	11915178	11821033	0.83	cps
Molybdenum	98-1	30214205	31060226	30984698	30753043	1.52	cps
Neodymium	150-1	153	180	143	159	11.93	cps
Neodymium	150-2	40	53	37	43	20.34	cps
Nickel	60-2	958626	936255	934521	943134	1.43	cps
Phosphorus	31-2	96844	98307	98092	97748	0.81	cps
Potassium	39-2	10109685	9992652	9878630	9993656	1.16	cps
Rhodium	103-1	6127012	6145838	6070903	6114584	0.64	cps
Rhodium	103-2	4068913	4131865	4093705	4098161	0.77	cps
Scandium	45-1	3774390	3732152	3773914	3760152	0.64	cps
Scandium	45-2	334687	339806	329872	334789	1.48	cps
Selenium	82-1	70063	70546	71128	70579	0.76	cps
Selenium	77-2	7732	7675	8042	7817	2.53	cps
Selenium	78-2	26066	26644	26340	26350	1.10	cps
Silicon	28-1	20000906	20150598	19952711	20034738	0.52	cps
Silver	107-1	4981748	5092451	5150771	5074990	1.69	cps
Silver	109-1	4708334	4665036	4702328	4691899	0.50	cps
Sodium	23-2	26398347	27454305	26645930	26832861	2.06	cps
Strontium	86-1	1017864	1028089	1028788	1024914	0.60	cps
Strontium	88-1	10378491	10517170	10486136	10460599	0.70	cps
Sulfur	34-1	408499	403674	406392	406188	0.60	cps
Terbium	159-1	7815551	7885063	7882303	7860972	0.50	cps
Terbium	159-2	5696566	5765158	5618811	5693512	1.29	cps
Thallium	203-1	3359916	3437107	3504511	3433845	2.11	cps
Thallium	205-1	8036193	8266523	8239430	8180715	1.54	cps
Tin	118-1	3114663	3114225	3073395	3100761	0.76	cps
Titanium	47-1	4963546	4877617	4987391	4942852	1.17	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168792BS	Instrumnet Name :	P7
Client Sample ID :	PB168792BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 13:53:59	DataFile Name :	042LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10623514	10793599	10889917	10769010	1.25	cps
Vanadium	51-2	1564981	1606465	1572681	1581376	1.40	cps
Yttrium	89-1	9982024	10160401	9975308	10039244	1.05	cps
Yttrium	89-2	2987227	3030069	2956808	2991368	1.23	cps
Zinc	66-2	3933454	3946942	3858410	3912935	1.22	cps
Zirconium	90-1	6585671	6417793	6665383	6556282	1.93	cps
Zirconium	91-1	1443704	1454326	1466688	1454906	0.79	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01DLX5	Instrumnet Name :	P7
Client Sample ID :	293DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:56:42	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21989	21161	22103	21751	2.36	cps
Antimony	121-1	4021	3904	3831	3918	2.45	cps
Arsenic	75-2	1683	1943	1783	1803	7.27	cps
Barium	135-1	5084	5261	5204	5183	1.74	cps
Barium	137-1	9173	9156	9413	9248	1.55	cps
Beryllium	9-1	8	12	1	7	75.08	cps
Bismuth	209-1	4288313	4293474	4322049	4301278	0.42	cps
Bismuth	209-2	3916902	3768678	3816130	3833903	1.97	cps
Bromine	81-1	279717	368733	406861	351771	18.55	cps
Bromine	81-2	90572	93758	93953	92761	2.05	cps
Cadmium	108-1	3530	3540	3781	3617	3.91	cps
Cadmium	106-1	2124	2070	2060	2085	1.63	cps
Cadmium	111-1	3162	3308	2890	3120	6.81	cps
Calcium	43-1	3971	4017	3961	3983	0.76	cps
Calcium	44-1	117894	121666	123101	120887	2.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4671	4794	4887	4784	2.27	cps
Cobalt	59-2	593	563	530	562	5.64	cps
Copper	63-2	112227	111932	110433	111531	0.86	cps
Dysprosium	156-1	17	10	13	13	25.01	cps
Dysprosium	156-2	3	10	7	7	50.03	cps
Erbium	164-1	40	60	43	48	22.43	cps
Erbium	164-2	33	43	33	37	15.75	cps
Gadolinium	160-1	50	30	37	39	26.18	cps
Gadolinium	160-2	330	373	270	324	15.99	cps
Holmium	165-1	6891598	7031139	6833914	6918884	1.47	cps
Holmium	165-2	5462655	5178006	5208488	5283050	2.96	cps
Indium	115-1	5707961	5665189	5825451	5732867	1.45	cps
Indium	115-2	2322752	2289727	2208433	2273637	2.59	cps
Iron	56-2	531015	525328	519239	525194	1.12	cps
Iron	57-2	13893	13673	13843	13803	0.84	cps
Iron	54-2	30304	30608	30341	30417	0.55	cps
Krypton	83-1	550	450	500	500	10.00	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01DLX5	Instrumnet Name :	P7
Client Sample ID :	293DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:56:42	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2840	2804	2720	2788	2.21	cps
Lead	207-1	2404	2227	2227	2286	4.46	cps
Lead	208-1	11129	10662	10402	10731	3.43	cps
Lithium	6-1	399162	402042	402362	401188	0.44	cps
Magnesium	24-2	34195	33937	34826	34319	1.33	cps
Manganese	55-2	260923	257627	255313	257955	1.09	cps
Molybdenum	94-1	15703671	16318384	16612216	16211424	2.86	cps
Molybdenum	95-1	27809517	28590615	28717984	28372705	1.73	cps
Molybdenum	96-1	30385501	30607098	30595367	30529322	0.41	cps
Molybdenum	97-1	17580091	17591251	17785832	17652391	0.66	cps
Molybdenum	98-1	45166581	45521834	45943299	45543905	0.85	cps
Neodymium	150-1	17	10	10	12	31.50	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	1297	1427	1508	1411	7.55	cps
Phosphorus	31-2	4944	4674	4527	4715	4.48	cps
Potassium	39-2	42347271	41605324	41769854	41907483	0.93	cps
Rhodium	103-1	5624015	5569625	5604943	5599528	0.49	cps
Rhodium	103-2	3768385	3746893	3665484	3726921	1.46	cps
Scandium	45-1	3371250	3313666	3369975	3351630	0.98	cps
Scandium	45-2	304199	302476	300410	302362	0.63	cps
Selenium	82-1	1124	1519	1414	1352	15.13	cps
Selenium	77-2	97	130	107	111	15.39	cps
Selenium	78-2	997	900	930	942	5.25	cps
Silicon	28-1	4081418	4473859	4700063	4418447	7.08	cps
Silver	107-1	421	432	465	439	5.18	cps
Silver	109-1	457	410	387	418	8.53	cps
Sodium	23-2	53125294	52515334	53157133	52932587	0.68	cps
Strontium	86-1	4281	4284	4367	4311	1.14	cps
Strontium	88-1	29363	30488	30769	30207	2.46	cps
Sulfur	34-1	155600	154344	152603	154182	0.98	cps
Terbium	159-1	7127148	7137025	7195421	7153198	0.52	cps
Terbium	159-2	5254312	5100866	5196816	5183998	1.50	cps
Thallium	203-1	440	420	477	446	6.45	cps
Thallium	205-1	1058	1164	1127	1116	4.81	cps
Tin	118-1	6715	6695	6495	6635	1.83	cps
Titanium	47-1	1593	1523	1473	1530	3.94	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2551-01DLX5	Instrumnet Name :	P7
Client Sample ID :	293DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 13:56:42	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	107	153	133	131	17.86	cps
Vanadium	51-2	1410	1230	1240	1293	7.82	cps
Yttrium	89-1	9084534	9102580	9169810	9118975	0.49	cps
Yttrium	89-2	2744262	2737432	2717217	2732971	0.51	cps
Zinc	66-2	57049	56008	55275	56111	1.59	cps
Zirconium	90-1	1610	1377	1780	1589	12.74	cps
Zirconium	91-1	403	370	377	383	4.60	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BL	Instrumnet Name :	P7
Client Sample ID :	PB168807BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:03:59	DataFile Name :	044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	323	337	280	313	9.45	cps
Antimony	121-1	223	190	173	196	13.02	cps
Arsenic	75-2	40	20	20	27	42.71	cps
Barium	135-1	3	17	20	13	66.16	cps
Barium	137-1	47	37	37	40	14.43	cps
Beryllium	9-1	3	0	3	2	76.81	cps
Bismuth	209-1	4704573	4697143	4629067	4676928	0.89	cps
Bismuth	209-2	4271954	4228208	4220798	4240320	0.65	cps
Bromine	81-1	18315	17330	16653	17433	4.79	cps
Bromine	81-2	1527	1520	1523	1523	0.22	cps
Cadmium	108-1	7	13	7	9	43.25	cps
Cadmium	106-1	2014	2064	1733	1937	9.18	cps
Cadmium	111-1	1415	1445	1222	1361	8.89	cps
Calcium	43-1	410	380	333	374	10.32	cps
Calcium	44-1	42025	41306	41146	41492	1.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1880	1780	1857	1839	2.85	cps
Cobalt	59-2	57	87	43	62	35.67	cps
Copper	63-2	1440	1400	1387	1409	1.97	cps
Dysprosium	156-1	3	7	13	8	65.47	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	60	70	50	60	16.67	cps
Erbium	164-2	33	20	40	31	32.73	cps
Gadolinium	160-1	40	17	47	34	45.73	cps
Gadolinium	160-2	303	350	357	337	8.63	cps
Holmium	165-1	7376923	7477081	7460705	7438236	0.72	cps
Holmium	165-2	5794695	5769703	5752356	5772251	0.37	cps
Indium	115-1	6361083	6293180	6239731	6297998	0.97	cps
Indium	115-2	2513586	2457479	2523383	2498149	1.42	cps
Iron	56-2	20955	20043	19766	20255	3.07	cps
Iron	57-2	1360	1403	1493	1419	4.79	cps
Iron	54-2	2494	2727	2347	2522	7.60	cps
Krypton	83-1	500	410	510	473	11.64	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BL	Instrumnet Name :	P7
Client Sample ID :	PB168807BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:03:59	DataFile Name :	044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	550	563	500	538	6.21	cps
Lead	207-1	433	413	443	430	3.55	cps
Lead	208-1	2113	2043	2067	2075	1.72	cps
Lithium	6-1	437055	438286	430576	435306	0.95	cps
Magnesium	24-2	273	247	253	258	5.38	cps
Manganese	55-2	1090	1140	1077	1102	3.03	cps
Molybdenum	94-1	553	487	453	498	10.23	cps
Molybdenum	95-1	570	650	517	579	11.59	cps
Molybdenum	96-1	783	660	617	687	12.59	cps
Molybdenum	97-1	450	373	323	382	16.69	cps
Molybdenum	98-1	937	820	877	878	6.65	cps
Neodymium	150-1	3	7	17	9	78.08	cps
Neodymium	150-2	0	7	13	7	99.98	cps
Nickel	60-2	445	518	621	528	16.70	cps
Phosphorus	31-2	513	517	473	501	4.81	cps
Potassium	39-2	72512	71343	70783	71546	1.23	cps
Rhodium	103-1	6245020	6179981	6170927	6198643	0.65	cps
Rhodium	103-2	4155656	4034332	4132198	4107396	1.57	cps
Scandium	45-1	3579442	3696220	3636030	3637231	1.61	cps
Scandium	45-2	328933	329107	327467	328502	0.27	cps
Selenium	82-1	537	685	430	551	23.31	cps
Selenium	77-2	37	20	37	31	30.93	cps
Selenium	78-2	517	513	533	521	2.06	cps
Silicon	28-1	650922	622571	609014	627502	3.41	cps
Silver	107-1	90	134	133	119	21.04	cps
Silver	109-1	90	97	83	90	7.41	cps
Sodium	23-2	39136	38331	38084	38517	1.43	cps
Strontium	86-1	810	833	823	822	1.42	cps
Strontium	88-1	200	187	170	186	8.10	cps
Sulfur	34-1	135548	135286	135003	135279	0.20	cps
Terbium	159-1	7655139	7585420	7532938	7591166	0.81	cps
Terbium	159-2	5698106	5628237	5566028	5630790	1.17	cps
Thallium	203-1	120	107	113	113	5.88	cps
Thallium	205-1	293	349	310	317	9.13	cps
Tin	118-1	2214	2117	2284	2205	3.80	cps
Titanium	47-1	60	100	53	71	35.50	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BL	Instrumnet Name :	P7
Client Sample ID :	PB168807BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:03:59	DataFile Name :	044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	27	10	17	52.93	cps
Vanadium	51-2	7	13	37	19	83.40	cps
Yttrium	89-1	10019291	9862840	9815059	9899063	1.08	cps
Yttrium	89-2	2963263	3004312	2886220	2951265	2.03	cps
Zinc	66-2	1567	1527	1453	1516	3.79	cps
Zirconium	90-1	410	407	383	400	3.63	cps
Zirconium	91-1	80	40	80	67	34.64	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BS	Instrumnet Name :	P7
Client Sample ID :	PB168807BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:07:16	DataFile Name :	045LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2073831	2028428	2080272	2060844	1.37	cps
Antimony	121-1	3568460	3578624	3555581	3567555	0.32	cps
Arsenic	75-2	230771	226269	228361	228467	0.99	cps
Barium	135-1	4289598	4449840	4373450	4370963	1.83	cps
Barium	137-1	7454994	7680166	7661115	7598758	1.64	cps
Beryllium	9-1	486063	492858	488079	489000	0.71	cps
Bismuth	209-1	4707216	4814918	4688070	4736735	1.44	cps
Bismuth	209-2	4228582	4161318	4185460	4191787	0.81	cps
Bromine	81-1	14484	14080	13957	14174	1.95	cps
Bromine	81-2	927	947	903	926	2.34	cps
Cadmium	108-1	63448	63096	63505	63350	0.35	cps
Cadmium	106-1	88464	89366	89628	89153	0.69	cps
Cadmium	111-1	875317	880510	884572	880133	0.53	cps
Calcium	43-1	892512	903661	900415	898863	0.64	cps
Calcium	44-1	16187704	16450393	16225944	16288014	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1872187	1863982	1927028	1887732	1.82	cps
Cobalt	59-2	2989545	3006725	2967478	2987916	0.66	cps
Copper	63-2	21865168	21275661	21045996	21395609	1.97	cps
Dysprosium	156-1	70	77	77	74	5.17	cps
Dysprosium	156-2	230	220	240	230	4.35	cps
Erbium	164-1	143	173	157	158	9.53	cps
Erbium	164-2	100	107	97	101	5.04	cps
Gadolinium	160-1	110	83	87	93	15.57	cps
Gadolinium	160-2	367	353	347	356	2.87	cps
Holmium	165-1	7405137	7533812	7723374	7554108	2.12	cps
Holmium	165-2	5877428	5624690	5740555	5747558	2.20	cps
Indium	115-1	6142077	6187350	6215042	6181490	0.60	cps
Indium	115-2	2558714	2397053	2491190	2482319	3.27	cps
Iron	56-2	90081372	89364879	88555612	89333954	0.85	cps
Iron	57-2	2241677	2208387	2170942	2207002	1.60	cps
Iron	54-2	4878840	4932328	4948089	4919752	0.74	cps
Krypton	83-1	503	490	533	509	4.36	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BS	Instrumnet Name :	P7
Client Sample ID :	PB168807BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:07:16	DataFile Name :	045LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14186722	14265014	14382891	14278209	0.69	cps
Lead	207-1	12190418	12486244	12369802	12348821	1.21	cps
Lead	208-1	55732180	56440940	57208938	56460686	1.31	cps
Lithium	6-1	436017	443594	441192	440268	0.88	cps
Magnesium	24-2	17884286	17359628	17817698	17687204	1.61	cps
Manganese	55-2	14618475	15042313	14661501	14774096	1.58	cps
Molybdenum	94-1	13288797	13340871	13388504	13339390	0.37	cps
Molybdenum	95-1	18663309	19078599	19111232	18951047	1.32	cps
Molybdenum	96-1	20785092	21212838	20554044	20850658	1.60	cps
Molybdenum	97-1	11725274	12030619	11850957	11868950	1.29	cps
Molybdenum	98-1	30777859	30792550	30468439	30679616	0.60	cps
Neodymium	150-1	127	120	143	130	9.25	cps
Neodymium	150-2	50	57	53	53	6.25	cps
Nickel	60-2	938072	941354	928847	936091	0.69	cps
Phosphorus	31-2	99373	98230	96643	98082	1.40	cps
Potassium	39-2	9809457	9839785	9872880	9840707	0.32	cps
Rhodium	103-1	6024111	6209702	6170120	6134644	1.59	cps
Rhodium	103-2	4209484	3977680	4026981	4071382	3.00	cps
Scandium	45-1	3715196	3750062	3723436	3729564	0.49	cps
Scandium	45-2	341326	334612	332647	336195	1.35	cps
Selenium	82-1	69867	70137	71294	70433	1.08	cps
Selenium	77-2	7612	7762	8079	7818	3.05	cps
Selenium	78-2	26831	26040	26247	26372	1.56	cps
Silicon	28-1	20189861	20361351	20154878	20235363	0.55	cps
Silver	107-1	5013142	5041510	5090934	5048529	0.78	cps
Silver	109-1	4557741	4608986	4643987	4603571	0.94	cps
Sodium	23-2	27454540	26406054	27793501	27218032	2.66	cps
Strontium	86-1	1004368	1028587	1033163	1022039	1.51	cps
Strontium	88-1	10303037	10355862	10572947	10410615	1.37	cps
Sulfur	34-1	405469	406236	402435	404713	0.50	cps
Terbium	159-1	7690271	7733138	7824564	7749324	0.89	cps
Terbium	159-2	5768952	5711888	5749931	5743590	0.51	cps
Thallium	203-1	3350754	3421240	3470090	3414028	1.76	cps
Thallium	205-1	7976226	7936423	8188322	8033657	1.69	cps
Tin	118-1	3022523	3090615	3160222	3091120	2.23	cps
Titanium	47-1	4848077	4890978	4899068	4879374	0.56	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168807BS	Instrumnet Name :	P7
Client Sample ID :	PB168807BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:07:16	DataFile Name :	045LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10547775	10661363	10575529	10594889	0.56	cps
Vanadium	51-2	1604082	1584562	1603006	1597217	0.69	cps
Yttrium	89-1	9921479	9979856	10040923	9980753	0.60	cps
Yttrium	89-2	3003008	2969670	2933789	2968822	1.17	cps
Zinc	66-2	3986820	3808363	3890650	3895278	2.29	cps
Zirconium	90-1	6372152	6512532	6612364	6499016	1.86	cps
Zirconium	91-1	1402750	1419766	1454316	1425611	1.84	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-01	Instrumnet Name :	P7
Client Sample ID :	17 BANK	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:10:02	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4164	4121	4851	4379	9.36	cps
Antimony	121-1	1283	1530	1593	1469	11.15	cps
Arsenic	75-2	177	140	147	155	12.52	cps
Barium	135-1	129217	130095	130021	129778	0.38	cps
Barium	137-1	227255	223002	224583	224947	0.96	cps
Beryllium	9-1	361	363	363	362	0.33	cps
Bismuth	209-1	4887573	4959687	4812005	4886422	1.51	cps
Bismuth	209-2	4362466	4313433	4205522	4293807	1.87	cps
Bromine	81-1	50597	64903	75250	63583	19.47	cps
Bromine	81-2	16146	16236	16426	16269	0.88	cps
Cadmium	108-1	73	110	113	99	22.45	cps
Cadmium	106-1	2760	2477	2670	2636	5.49	cps
Cadmium	111-1	2428	2127	2173	2243	7.22	cps
Calcium	43-1	1599732	1577410	1617705	1598282	1.26	cps
Calcium	44-1	25493043	25328256	25636872	25486057	0.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6301	5768	6518	6196	6.23	cps
Cobalt	59-2	3310	3374	3370	3352	1.06	cps
Copper	63-2	246229	247916	243918	246021	0.82	cps
Dysprosium	156-1	4874	5111	4557	4848	5.73	cps
Dysprosium	156-2	4224	4091	4094	4136	1.84	cps
Erbium	164-1	7002	7022	6655	6893	2.99	cps
Erbium	164-2	5281	5438	5264	5328	1.80	cps
Gadolinium	160-1	5775	5491	5504	5590	2.86	cps
Gadolinium	160-2	4954	4741	4868	4854	2.21	cps
Holmium	165-1	8033548	8015305	7921324	7990059	0.75	cps
Holmium	165-2	6162324	5998573	6058221	6073040	1.36	cps
Indium	115-1	6763616	6488063	6639058	6630246	2.08	cps
Indium	115-2	2632348	2610351	2628141	2623613	0.45	cps
Iron	56-2	3309246	3321820	3283975	3305014	0.58	cps
Iron	57-2	109713	108884	108156	108918	0.72	cps
Iron	54-2	165417	162587	164606	164203	0.89	cps
Krypton	83-1	527	470	530	509	6.63	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-01	Instrumnet Name :	P7
Client Sample ID :	17 BANK	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:10:02	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	29923	29977	30060	29986	0.23	cps
Lead	207-1	26135	25334	24743	25404	2.75	cps
Lead	208-1	118809	117522	116355	117562	1.04	cps
Lithium	6-1	468139	462455	452168	460921	1.76	cps
Magnesium	24-2	8341320	8265779	8269553	8292217	0.51	cps
Manganese	55-2	7812	7539	7782	7711	1.94	cps
Molybdenum	94-1	2924	2810	2627	2787	5.37	cps
Molybdenum	95-1	4667	4227	4374	4423	5.07	cps
Molybdenum	96-1	4801	4828	4938	4855	1.49	cps
Molybdenum	97-1	2827	2800	2877	2835	1.37	cps
Molybdenum	98-1	6968	7158	6885	7004	2.00	cps
Neodymium	150-1	6455	6238	6595	6429	2.80	cps
Neodymium	150-2	4167	4134	4201	4167	0.80	cps
Nickel	60-2	28274	27899	27638	27937	1.14	cps
Phosphorus	31-2	810	790	787	796	1.59	cps
Potassium	39-2	1438787	1440887	1424606	1434760	0.62	cps
Rhodium	103-1	6475403	6414891	6476719	6455671	0.55	cps
Rhodium	103-2	4317824	4232749	4177166	4242580	1.67	cps
Scandium	45-1	3966186	3924873	4008887	3966649	1.06	cps
Scandium	45-2	352726	354058	354945	353910	0.32	cps
Selenium	82-1	426	545	499	490	12.20	cps
Selenium	77-2	33	40	20	31	32.73	cps
Selenium	78-2	513	570	513	532	6.15	cps
Silicon	28-1	20391413	20184847	19894730	20156997	1.24	cps
Silver	107-1	1747	1349	1216	1438	19.23	cps
Silver	109-1	1147	1007	847	1000	15.01	cps
Sodium	23-2	178499697	180581591	177700024	178927104	0.83	cps
Strontium	86-1	420711	415284	418253	418083	0.65	cps
Strontium	88-1	4291531	4220439	4275646	4262539	0.88	cps
Sulfur	34-1	373555	376130	377165	375617	0.49	cps
Terbium	159-1	8348311	8166606	8073641	8196186	1.70	cps
Terbium	159-2	6059751	6014048	5890082	5987960	1.47	cps
Thallium	203-1	627	647	670	648	3.35	cps
Thallium	205-1	839	935	848	874	6.09	cps
Tin	118-1	4991	5621	6011	5541	9.29	cps
Titanium	47-1	623	880	707	737	17.77	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-01	Instrumnet Name :	P7
Client Sample ID :	17 BANK	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:10:02	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33740	33926	32958	33541	1.53	cps
Vanadium	51-2	907	803	887	866	6.33	cps
Yttrium	89-1	10866245	10748854	10818431	10811176	0.55	cps
Yttrium	89-2	3236420	3205951	3202707	3215026	0.58	cps
Zinc	66-2	1058962	1062352	1053062	1058125	0.44	cps
Zirconium	90-1	667	693	817	726	11.03	cps
Zirconium	91-1	157	153	183	164	10.00	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02	Instrumnet Name :	P7
Client Sample ID :	SUPPLY	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:13:17	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1480	1377	1363	1407	4.54	cps
Antimony	121-1	297	257	287	280	7.43	cps
Arsenic	75-2	75	62	97	78	23.25	cps
Barium	135-1	47773	47275	46643	47230	1.20	cps
Barium	137-1	81458	82534	82860	82284	0.89	cps
Beryllium	9-1	1297	1263	1278	1279	1.32	cps
Bismuth	209-1	4957418	4917626	4895086	4923377	0.64	cps
Bismuth	209-2	4451333	4326815	4276471	4351539	2.07	cps
Bromine	81-1	66805	82338	89261	79468	14.47	cps
Bromine	81-2	19116	18886	19426	19143	1.42	cps
Cadmium	108-1	7	20	17	14	48.02	cps
Cadmium	106-1	2364	2334	2314	2337	1.08	cps
Cadmium	111-1	1690	1683	1644	1672	1.46	cps
Calcium	43-1	2416905	2437181	2473247	2442444	1.17	cps
Calcium	44-1	39289519	39529743	39995568	39604943	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2267	2187	2217	2224	1.82	cps
Cobalt	59-2	2257	2327	2147	2244	4.05	cps
Copper	63-2	84323	84705	84504	84510	0.23	cps
Dysprosium	156-1	90	87	77	84	8.22	cps
Dysprosium	156-2	60	53	60	58	6.67	cps
Erbium	164-1	320	247	220	262	19.75	cps
Erbium	164-2	203	163	157	174	14.47	cps
Gadolinium	160-1	177	97	117	130	32.02	cps
Gadolinium	160-2	427	363	377	389	8.59	cps
Holmium	165-1	8086753	7930227	7868215	7961732	1.41	cps
Holmium	165-2	6229864	6157597	6054790	6147417	1.43	cps
Indium	115-1	6795407	6789679	6664540	6749875	1.10	cps
Indium	115-2	2732637	2645851	2655862	2678117	1.77	cps
Iron	56-2	108827	108068	107017	107971	0.84	cps
Iron	57-2	58661	59015	59484	59053	0.70	cps
Iron	54-2	7599	7455	7339	7464	1.75	cps
Krypton	83-1	507	487	533	509	4.60	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02	Instrumnet Name :	P7
Client Sample ID :	SUPPLY	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:13:17	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3664	3687	3797	3716	1.92	cps
Lead	207-1	3257	2907	2924	3029	6.52	cps
Lead	208-1	14400	14660	14096	14385	1.96	cps
Lithium	6-1	453004	459793	459934	457577	0.87	cps
Magnesium	24-2	15073960	14641473	15012369	14909267	1.57	cps
Manganese	55-2	15872	15471	15652	15665	1.28	cps
Molybdenum	94-1	6802	6992	7102	6965	2.18	cps
Molybdenum	95-1	11505	11565	12192	11754	3.24	cps
Molybdenum	96-1	13079	12729	13296	13035	2.20	cps
Molybdenum	97-1	7782	7525	7572	7627	1.79	cps
Molybdenum	98-1	18942	19390	19056	19129	1.22	cps
Neodymium	150-1	67	60	90	72	21.81	cps
Neodymium	150-2	40	30	30	33	17.32	cps
Nickel	60-2	3930	3847	4107	3961	3.36	cps
Phosphorus	31-2	730	677	623	677	7.88	cps
Potassium	39-2	1836699	1778351	1773249	1796100	1.96	cps
Rhodium	103-1	6554794	6451314	6458455	6488188	0.89	cps
Rhodium	103-2	4333387	4354704	4279892	4322661	0.89	cps
Scandium	45-1	3993752	4011998	3994186	3999979	0.26	cps
Scandium	45-2	366209	359723	358833	361588	1.11	cps
Selenium	82-1	468	511	488	489	4.42	cps
Selenium	77-2	17	10	7	11	45.82	cps
Selenium	78-2	463	500	497	487	4.17	cps
Silicon	28-1	47099176	47170068	47224286	47164510	0.13	cps
Silver	107-1	1474	1463	1498	1478	1.22	cps
Silver	109-1	177	160	170	169	4.97	cps
Sodium	23-2	37255435	36791928	36954444	37000603	0.64	cps
Strontium	86-1	504801	498586	501750	501712	0.62	cps
Strontium	88-1	5181294	5209896	5194630	5195273	0.28	cps
Sulfur	34-1	369205	367360	364725	367097	0.61	cps
Terbium	159-1	8196160	8174398	8284224	8218261	0.71	cps
Terbium	159-2	6056352	5937287	6010330	6001323	1.00	cps
Thallium	203-1	270	230	273	258	9.35	cps
Thallium	205-1	-1990	-1926	-1890	-1936	-2.63	cps
Tin	118-1	2867	2907	2750	2841	2.87	cps
Titanium	47-1	513	507	453	491	6.70	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02	Instrumnet Name :	P7
Client Sample ID :	SUPPLY	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:13:17	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	128687	125657	127497	127280	1.20	cps
Vanadium	51-2	1557	1607	1627	1597	2.26	cps
Yttrium	89-1	10594556	10661362	10674060	10643326	0.40	cps
Yttrium	89-2	3192013	3193056	3120464	3168511	1.31	cps
Zinc	66-2	6568	6618	6662	6616	0.71	cps
Zirconium	90-1	523	473	523	507	5.70	cps
Zirconium	91-1	107	113	93	104	9.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUP	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUP	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:16:29	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1193	1260	1217	1223	2.77	cps
Antimony	121-1	190	177	247	204	18.18	cps
Arsenic	75-2	105	92	78	92	14.69	cps
Barium	135-1	48436	46870	47185	47497	1.74	cps
Barium	137-1	83000	81043	81733	81925	1.21	cps
Beryllium	9-1	1288	1256	1224	1256	2.57	cps
Bismuth	209-1	4985952	4768945	4948074	4900990	2.37	cps
Bismuth	209-2	4200070	4226792	4172265	4199709	0.65	cps
Bromine	81-1	74763	91380	101150	89098	14.97	cps
Bromine	81-2	21195	22063	22167	21808	2.45	cps
Cadmium	108-1	30	13	3	16	86.63	cps
Cadmium	106-1	2404	2280	2354	2346	2.65	cps
Cadmium	111-1	1715	1617	1662	1664	2.95	cps
Calcium	43-1	2445448	2450932	2447096	2447825	0.11	cps
Calcium	44-1	39978311	39219599	39108685	39435532	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1993	2174	2234	2134	5.85	cps
Cobalt	59-2	2267	2420	2224	2304	4.49	cps
Copper	63-2	86328	85214	85184	85575	0.76	cps
Dysprosium	156-1	90	97	83	90	7.41	cps
Dysprosium	156-2	43	47	40	43	7.70	cps
Erbium	164-1	250	227	287	254	11.89	cps
Erbium	164-2	170	190	243	201	18.85	cps
Gadolinium	160-1	123	127	153	134	12.23	cps
Gadolinium	160-2	320	487	470	426	21.57	cps
Holmium	165-1	8145048	7935469	7878337	7986285	1.76	cps
Holmium	165-2	5970837	5877904	5885072	5911271	0.87	cps
Indium	115-1	6785397	6707148	6747406	6746651	0.58	cps
Indium	115-2	2582015	2639356	2632231	2617867	1.19	cps
Iron	56-2	106135	105631	106064	105943	0.26	cps
Iron	57-2	57751	58935	57878	58188	1.12	cps
Iron	54-2	6962	7362	6862	7062	3.75	cps
Krypton	83-1	530	467	560	519	9.18	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUP	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUP	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:16:29	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3804	3674	3497	3658	4.21	cps
Lead	207-1	3244	3057	2897	3066	5.66	cps
Lead	208-1	14827	14160	13820	14269	3.59	cps
Lithium	6-1	462702	455655	454785	457714	0.95	cps
Magnesium	24-2	14568665	14505370	14255989	14443341	1.14	cps
Manganese	55-2	19079	19249	19756	19361	1.82	cps
Molybdenum	94-1	7148	6938	7042	7043	1.49	cps
Molybdenum	95-1	12155	12158	11388	11900	3.73	cps
Molybdenum	96-1	12692	12696	12599	12662	0.43	cps
Molybdenum	97-1	7479	7609	7529	7539	0.87	cps
Molybdenum	98-1	18919	19123	18365	18802	2.09	cps
Neodymium	150-1	87	70	30	62	46.81	cps
Neodymium	150-2	37	43	37	39	9.89	cps
Nickel	60-2	4075	3838	3677	3863	5.17	cps
Phosphorus	31-2	620	717	690	676	7.39	cps
Potassium	39-2	1745688	1780632	1769910	1765410	1.01	cps
Rhodium	103-1	6700119	6517318	6559268	6592235	1.45	cps
Rhodium	103-2	4254627	4223871	4228433	4235644	0.39	cps
Scandium	45-1	4121195	3964603	3892767	3992855	2.93	cps
Scandium	45-2	358453	358570	354686	357236	0.62	cps
Selenium	82-1	521	546	409	492	14.91	cps
Selenium	77-2	20	13	17	17	20.01	cps
Selenium	78-2	520	540	517	526	2.40	cps
Silicon	28-1	47036493	46470554	47121123	46876057	0.75	cps
Silver	107-1	1395	1416	1400	1404	0.78	cps
Silver	109-1	117	127	133	126	6.68	cps
Sodium	23-2	36693992	35904748	35781243	36126661	1.37	cps
Strontium	86-1	507499	500559	502964	503674	0.70	cps
Strontium	88-1	5104817	5067660	5071519	5081332	0.40	cps
Sulfur	34-1	374382	373002	375147	374177	0.29	cps
Terbium	159-1	8354263	8307977	8076626	8246289	1.80	cps
Terbium	159-2	5840004	5849843	5777664	5822504	0.67	cps
Thallium	203-1	180	203	220	201	9.99	cps
Thallium	205-1	-1990	-1945	-1934	-1956	-1.51	cps
Tin	118-1	2757	2777	2674	2736	2.00	cps
Titanium	47-1	483	390	470	448	11.27	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUP	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUP	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:16:29	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	126820	124938	122358	124705	1.80	cps
Vanadium	51-2	1647	1497	1667	1603	5.80	cps
Yttrium	89-1	11041719	10874754	10975126	10963866	0.77	cps
Yttrium	89-2	3148878	3184547	3203897	3179107	0.88	cps
Zinc	66-2	6718	6538	6652	6636	1.37	cps
Zirconium	90-1	473	410	483	456	8.73	cps
Zirconium	91-1	100	103	83	96	11.21	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 14:19:41	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	550	520	483	518	6.45	cps
Antimony	121-1	127	100	147	124	18.81	cps
Arsenic	75-2	26	33	19	26	25.81	cps
Barium	135-1	8302	8836	8960	8699	4.01	cps
Barium	137-1	15505	15485	15275	15422	0.83	cps
Beryllium	9-1	231	234	232	233	0.77	cps
Bismuth	209-1	4755209	4658641	4471541	4628464	3.12	cps
Bismuth	209-2	4085479	4051680	4035780	4057646	0.63	cps
Bromine	81-1	40225	40880	38483	39863	3.11	cps
Bromine	81-2	6258	6115	6011	6128	2.02	cps
Cadmium	108-1	17	13	13	14	13.35	cps
Cadmium	106-1	2144	2127	2027	2099	3.01	cps
Cadmium	111-1	1512	1489	1426	1476	3.02	cps
Calcium	43-1	410688	412053	395018	405920	2.33	cps
Calcium	44-1	7409449	7485026	7434371	7442948	0.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1883	1903	1957	1915	1.98	cps
Cobalt	59-2	480	543	533	519	6.56	cps
Copper	63-2	17374	17053	17070	17166	1.05	cps
Dysprosium	156-1	30	13	13	19	50.96	cps
Dysprosium	156-2	17	23	13	18	28.64	cps
Erbium	164-1	97	120	77	98	22.18	cps
Erbium	164-2	73	53	80	69	20.15	cps
Gadolinium	160-1	80	47	27	51	52.71	cps
Gadolinium	160-2	333	340	320	331	3.08	cps
Holmium	165-1	7692912	7326464	7452089	7490488	2.49	cps
Holmium	165-2	5660853	5634908	5572687	5622816	0.81	cps
Indium	115-1	6277920	6071006	6380410	6243112	2.52	cps
Indium	115-2	2527599	2469250	2469561	2488803	1.35	cps
Iron	56-2	37279	37079	37196	37185	0.27	cps
Iron	57-2	12335	12545	12289	12390	1.10	cps
Iron	54-2	3477	3487	3497	3487	0.29	cps
Krypton	83-1	547	517	493	519	5.15	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 14:19:41	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1013	1047	1030	1030	1.62	cps
Lead	207-1	893	913	897	901	1.19	cps
Lead	208-1	4287	4234	3997	4173	3.70	cps
Lithium	6-1	429841	427559	426462	427954	0.40	cps
Magnesium	24-2	2774215	2764378	2696996	2745196	1.53	cps
Manganese	55-2	3537	3517	3490	3515	0.67	cps
Molybdenum	94-1	1447	1637	1527	1537	6.21	cps
Molybdenum	95-1	2304	2300	2417	2340	2.84	cps
Molybdenum	96-1	2654	2484	2484	2540	3.86	cps
Molybdenum	97-1	1467	1500	1437	1468	2.16	cps
Molybdenum	98-1	3807	3811	3861	3826	0.78	cps
Neodymium	150-1	23	27	3	18	71.00	cps
Neodymium	150-2	13	13	3	10	57.75	cps
Nickel	60-2	1203	1172	1188	1188	1.30	cps
Phosphorus	31-2	557	587	570	571	2.63	cps
Potassium	39-2	356463	354777	352665	354635	0.54	cps
Rhodium	103-1	6193437	6124661	6290567	6202888	1.34	cps
Rhodium	103-2	4163463	4031736	4000944	4065381	2.12	cps
Scandium	45-1	3785952	3717326	3709548	3737608	1.12	cps
Scandium	45-2	331921	331014	329168	330701	0.42	cps
Selenium	82-1	291	326	378	332	13.30	cps
Selenium	77-2	7	7	7	7	0.00	cps
Selenium	78-2	520	497	463	493	5.77	cps
Silicon	28-1	9323974	9273806	9397247	9331675	0.67	cps
Silver	107-1	361	331	302	331	8.81	cps
Silver	109-1	87	97	113	99	13.62	cps
Sodium	23-2	6882631	6797649	6787881	6822720	0.76	cps
Strontium	86-1	93109	94004	94850	93988	0.93	cps
Strontium	88-1	826940	816227	798491	813886	1.77	cps
Sulfur	34-1	193714	195169	195983	194955	0.59	cps
Terbium	159-1	7538045	7447615	7615106	7533589	1.11	cps
Terbium	159-2	5603658	5467036	5444278	5504991	1.57	cps
Thallium	203-1	150	153	203	169	17.69	cps
Thallium	205-1	-85	-96	-125	-102	-20.29	cps
Tin	118-1	1893	1913	1910	1906	0.56	cps
Titanium	47-1	163	187	133	161	16.59	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 14:19:41	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23087	23110	22579	22925	1.31	cps
Vanadium	51-2	283	250	343	292	16.19	cps
Yttrium	89-1	10121048	9919702	9794095	9944948	1.66	cps
Yttrium	89-2	2990798	3000448	2900338	2963861	1.86	cps
Zinc	66-2	2407	2497	2390	2431	2.36	cps
Zirconium	90-1	417	400	427	414	3.25	cps
Zirconium	91-1	103	30	63	66	56.01	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MS	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:22:58	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2209629	2167223	2165139	2180664	1.15	cps
Antimony	121-1	4397506	4431716	4329998	4386407	1.18	cps
Arsenic	75-2	18187	17896	17839	17974	1.04	cps
Barium	135-1	4770988	4759104	4703773	4744622	0.76	cps
Barium	137-1	8457075	8263391	8181087	8300518	1.71	cps
Beryllium	9-1	603760	593009	589464	595411	1.25	cps
Bismuth	209-1	5529332	5567938	5544962	5547411	0.35	cps
Bismuth	209-2	4778664	4747280	4662096	4729347	1.28	cps
Bromine	81-1	42869	46323	49098	46096	6.77	cps
Bromine	81-2	9009	9060	9416	9162	2.42	cps
Cadmium	108-1	75361	74631	75036	75009	0.49	cps
Cadmium	106-1	108052	109268	107877	108399	0.70	cps
Cadmium	111-1	1069651	1067246	1058716	1065205	0.54	cps
Calcium	43-1	4081753	4033367	4026991	4047370	0.74	cps
Calcium	44-1	67162679	66983084	65962537	66702767	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2218029	2222040	2173227	2204432	1.23	cps
Cobalt	59-2	3600721	3546613	3519214	3555516	1.17	cps
Copper	63-2	28521519	28070100	27854320	28148646	1.21	cps
Dysprosium	156-1	200	137	167	168	18.88	cps
Dysprosium	156-2	237	233	287	252	11.84	cps
Erbium	164-1	383	373	287	348	15.29	cps
Erbium	164-2	187	223	300	237	24.44	cps
Gadolinium	160-1	210	210	200	207	2.79	cps
Gadolinium	160-2	470	540	480	497	7.62	cps
Holmium	165-1	9293708	9219057	9082452	9198406	1.16	cps
Holmium	165-2	6817977	6591185	6555137	6654766	2.14	cps
Indium	115-1	7638724	7516866	7476337	7543976	1.12	cps
Indium	115-2	2935908	2890251	2874888	2900349	1.09	cps
Iron	56-2	92764292	92637669	91231922	92211294	0.92	cps
Iron	57-2	2432310	2387136	2347574	2389006	1.77	cps
Iron	54-2	5066188	5108586	5044190	5072988	0.65	cps
Krypton	83-1	477	597	573	549	11.59	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MS	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:22:58	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18330974	17863583	18418123	18204227	1.64	cps
Lead	207-1	16220030	16254765	15960387	16145061	1.00	cps
Lead	208-1	73459379	73099520	73573860	73377586	0.34	cps
Lithium	6-1	536199	522680	515726	524868	1.98	cps
Magnesium	24-2	42450074	42768148	42818821	42679014	0.47	cps
Manganese	55-2	19973207	20153561	19628937	19918568	1.34	cps
Molybdenum	94-1	7732091	7652250	7696423	7693588	0.52	cps
Molybdenum	95-1	8418494	8468205	8346526	8411075	0.73	cps
Molybdenum	96-1	9617924	9596539	9507472	9573978	0.61	cps
Molybdenum	97-1	5252792	5236199	5141666	5210219	1.15	cps
Molybdenum	98-1	13909310	13731839	13446184	13695778	1.71	cps
Neodymium	150-1	160	223	207	197	16.69	cps
Neodymium	150-2	67	97	70	78	21.14	cps
Nickel	60-2	1137706	1109226	1103724	1116885	1.63	cps
Phosphorus	31-2	637	610	620	622	2.17	cps
Potassium	39-2	12827225	12597735	12281716	12568892	2.18	cps
Rhodium	103-1	7598897	7413113	7260700	7424237	2.28	cps
Rhodium	103-2	4748993	4753116	4591561	4697890	1.96	cps
Scandium	45-1	4612021	4594406	4566364	4590930	0.50	cps
Scandium	45-2	408896	402172	394952	402007	1.73	cps
Selenium	82-1	89140	89394	88671	89068	0.41	cps
Selenium	77-2	10100	9613	9780	9831	2.52	cps
Selenium	78-2	33020	31570	31514	32035	2.67	cps
Silicon	28-1	50602624	49945019	49746023	50097889	0.89	cps
Silver	107-1	1037128	1029178	1030352	1032219	0.42	cps
Silver	109-1	860053	842815	849649	850839	1.02	cps
Sodium	23-2	80179424	81236020	80041174	80485539	0.81	cps
Strontium	86-1	2396242	2332111	2340113	2356155	1.48	cps
Strontium	88-1	20733145	20349719	20282820	20455228	1.19	cps
Sulfur	34-1	421617	413740	410860	415406	1.34	cps
Terbium	159-1	9416571	9424082	9310425	9383693	0.68	cps
Terbium	159-2	6734540	6649912	6596210	6660221	1.05	cps
Thallium	203-1	4065836	4000661	3973487	4013328	1.18	cps
Thallium	205-1	9425255	9191738	9422715	9346569	1.43	cps
Tin	118-1	3273288	3269471	3223310	3255356	0.85	cps
Titanium	47-1	2620	2477	2487	2528	3.17	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MS	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:22:58	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12875300	12817364	12694216	12795627	0.72	cps
Vanadium	51-2	1971778	1982780	1926591	1960383	1.52	cps
Yttrium	89-1	12629094	12465911	12032310	12375772	2.49	cps
Yttrium	89-2	3628809	3548685	3530002	3569165	1.47	cps
Zinc	66-2	5310273	5234850	5183840	5242988	1.21	cps
Zirconium	90-1	8085738	8119583	7820984	8008768	2.04	cps
Zirconium	91-1	1742225	1790012	1707447	1746562	2.37	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:40:58	DataFile Name :	053CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10742083	10744724	10616334	10701047	0.69	cps
Antimony	121-1	3458963	3504813	3496088	3486621	0.70	cps
Arsenic	75-2	222767	221232	222204	222068	0.35	cps
Barium	135-1	4417467	4323703	4411645	4384272	1.20	cps
Barium	137-1	7483258	7554195	7330441	7455965	1.53	cps
Beryllium	9-1	501239	505220	502681	503047	0.40	cps
Bismuth	209-1	4510918	4392851	4428939	4444236	1.36	cps
Bismuth	209-2	3902521	3832863	3863352	3866245	0.90	cps
Bromine	81-1	11104	11531	10897	11178	2.89	cps
Bromine	81-2	393	427	400	407	4.34	cps
Cadmium	108-1	62748	63803	63636	63396	0.89	cps
Cadmium	106-1	89342	90547	90031	89973	0.67	cps
Cadmium	111-1	886800	893336	885877	888671	0.46	cps
Calcium	43-1	5253045	5337956	5250492	5280498	0.94	cps
Calcium	44-1	84176959	85565059	85897049	85213022	1.07	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1886702	1859715	1852891	1866436	0.96	cps
Cobalt	59-2	2949853	2918685	2905537	2924692	0.78	cps
Copper	63-2	22177494	21686432	21792476	21885467	1.18	cps
Dysprosium	156-1	203	163	210	192	13.13	cps
Dysprosium	156-2	350	380	343	358	5.46	cps
Erbium	164-1	350	370	503	408	20.44	cps
Erbium	164-2	303	317	327	316	3.71	cps
Gadolinium	160-1	213	273	173	220	22.88	cps
Gadolinium	160-2	500	513	413	476	11.42	cps
Holmium	165-1	7548052	7374407	7267540	7396666	1.91	cps
Holmium	165-2	5670137	5605933	5696539	5657536	0.82	cps
Indium	115-1	5978499	5921061	5950482	5950014	0.48	cps
Indium	115-2	2426283	2468347	2457951	2450860	0.89	cps
Iron	56-2	463926780	461193740	464941246	463353922	0.42	cps
Iron	57-2	11491989	11344124	11615168	11483760	1.18	cps
Iron	54-2	25065470	25227916	24955646	25083011	0.55	cps
Krypton	83-1	533	620	590	581	7.57	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:40:58	DataFile Name :	053CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13604755	13474616	13673689	13584353	0.74	cps
Lead	207-1	11928341	11869511	11751643	11849832	0.76	cps
Lead	208-1	54302553	54112584	54238532	54217890	0.18	cps
Lithium	6-1	452240	445542	448276	448686	0.75	cps
Magnesium	24-2	94338499	93413435	92859199	93537044	0.80	cps
Manganese	55-2	14549680	14705611	14620116	14625135	0.53	cps
Molybdenum	94-1	13191947	13775627	13695493	13554356	2.33	cps
Molybdenum	95-1	18934433	19432885	19374323	19247214	1.42	cps
Molybdenum	96-1	20749543	21300823	21136768	21062378	1.34	cps
Molybdenum	97-1	11705251	12081809	11981892	11922984	1.64	cps
Molybdenum	98-1	30814328	31109020	30419878	30781075	1.12	cps
Neodymium	150-1	237	173	197	202	15.84	cps
Neodymium	150-2	97	100	117	104	10.26	cps
Nickel	60-2	930382	913478	912049	918636	1.11	cps
Phosphorus	31-2	101571	100303	100037	100637	0.81	cps
Potassium	39-2	52988668	52825376	51964871	52592971	1.05	cps
Rhodium	103-1	5856012	5905401	5815518	5858977	0.77	cps
Rhodium	103-2	3839337	3871146	3847548	3852677	0.43	cps
Scandium	45-1	3747806	3777137	3793211	3772718	0.61	cps
Scandium	45-2	339278	332700	336102	336027	0.98	cps
Selenium	82-1	65984	66979	66783	66582	0.79	cps
Selenium	77-2	7425	7289	7392	7369	0.97	cps
Selenium	78-2	25218	24881	25662	25254	1.55	cps
Silicon	28-1	23457346	23596866	23472970	23509061	0.33	cps
Silver	107-1	4999429	4883911	4937351	4940230	1.17	cps
Silver	109-1	4759635	4671097	5297920	4909551	6.91	cps
Sodium	23-2	138306195	140076711	140417135	139600013	0.81	cps
Strontium	86-1	1024016	1039025	1045533	1036192	1.06	cps
Strontium	88-1	10595660	10711576	10580982	10629406	0.67	cps
Sulfur	34-1	424272	428686	432200	428386	0.93	cps
Terbium	159-1	7644492	7576276	7413497	7544755	1.57	cps
Terbium	159-2	5646807	5583078	5648309	5626065	0.66	cps
Thallium	203-1	3387756	3324413	3383529	3365233	1.05	cps
Thallium	205-1	7779506	7688330	7856770	7774869	1.08	cps
Tin	118-1	2987738	3056961	3003314	3016004	1.20	cps
Titanium	47-1	5053768	5051770	5109505	5071681	0.65	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:40:58	DataFile Name :	053CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10370412	10581059	10375510	10442327	1.15	cps
Vanadium	51-2	1647544	1617548	1590642	1618578	1.76	cps
Yttrium	89-1	10079738	9953919	9845104	9959587	1.18	cps
Yttrium	89-2	2909206	2975294	2986021	2956840	1.41	cps
Zinc	66-2	3907252	3832208	3873205	3870888	0.97	cps
Zirconium	90-1	6671634	6722515	6652767	6682306	0.54	cps
Zirconium	91-1	1478018	1493912	1503595	1491842	0.87	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:50:19	DataFile Name :	054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	380	307	380	356	11.91	cps
Antimony	121-1	270	283	223	259	12.17	cps
Arsenic	75-2	11	1	10	7	79.68	cps
Barium	135-1	43	27	30	33	26.45	cps
Barium	137-1	97	47	87	77	34.51	cps
Beryllium	9-1	7	11	4	7	46.32	cps
Bismuth	209-1	4574020	4574873	4442197	4530363	1.69	cps
Bismuth	209-2	4072638	4089454	3997132	4053075	1.21	cps
Bromine	81-1	10604	10791	10611	10668	0.99	cps
Bromine	81-2	337	307	397	347	13.22	cps
Cadmium	108-1	0	17	3	7	132.33	cps
Cadmium	106-1	1960	1940	1923	1941	0.95	cps
Cadmium	111-1	1399	1363	1367	1376	1.41	cps
Calcium	43-1	360	360	380	367	3.15	cps
Calcium	44-1	40631	43085	42710	42142	3.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1790	2067	1757	1871	9.10	cps
Cobalt	59-2	103	113	47	88	40.95	cps
Copper	63-2	1613	1597	1773	1661	5.87	cps
Dysprosium	156-1	10	10	10	10	0.00	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	47	67	37	50	30.55	cps
Erbium	164-2	40	50	37	42	16.43	cps
Gadolinium	160-1	40	37	37	38	5.09	cps
Gadolinium	160-2	330	287	300	306	7.26	cps
Holmium	165-1	7337730	7247752	7108478	7231320	1.60	cps
Holmium	165-2	5578749	5532883	5481337	5530990	0.88	cps
Indium	115-1	6151407	6172690	6100787	6141628	0.60	cps
Indium	115-2	2460909	2489326	2523039	2491091	1.25	cps
Iron	56-2	22971	22771	22537	22760	0.95	cps
Iron	57-2	1477	1473	1603	1518	4.88	cps
Iron	54-2	2847	2724	2817	2796	2.30	cps
Krypton	83-1	543	480	543	522	7.00	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:50:19	DataFile Name :	054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	587	567	620	591	4.56	cps
Lead	207-1	517	503	497	506	2.01	cps
Lead	208-1	2420	2413	2510	2448	2.21	cps
Lithium	6-1	442007	445819	437127	441651	0.99	cps
Magnesium	24-2	617	663	723	668	8.01	cps
Manganese	55-2	1043	1097	1023	1054	3.60	cps
Molybdenum	94-1	337	343	347	342	1.49	cps
Molybdenum	95-1	263	307	320	297	9.99	cps
Molybdenum	96-1	460	383	323	389	17.62	cps
Molybdenum	97-1	283	257	293	278	6.82	cps
Molybdenum	98-1	487	543	470	500	7.69	cps
Neodymium	150-1	3	0	3	2	86.60	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	516	470	418	468	10.53	cps
Phosphorus	31-2	510	507	500	506	1.01	cps
Potassium	39-2	73697	73255	73238	73397	0.35	cps
Rhodium	103-1	6080272	6110555	5962808	6051212	1.29	cps
Rhodium	103-2	4034859	4018191	4039175	4030741	0.27	cps
Scandium	45-1	3732419	3720493	3720044	3724319	0.19	cps
Scandium	45-2	326134	328469	324421	326341	0.62	cps
Selenium	82-1	233	350	331	305	20.52	cps
Selenium	77-2	3	7	3	4	43.40	cps
Selenium	78-2	380	507	457	448	14.25	cps
Silicon	28-1	578116	579235	579431	578928	0.12	cps
Silver	107-1	891	521	384	598	43.82	cps
Silver	109-1	677	423	323	474	38.39	cps
Sodium	23-2	44728	42539	43334	43534	2.55	cps
Strontium	86-1	910	813	923	882	6.80	cps
Strontium	88-1	200	233	283	239	17.56	cps
Sulfur	34-1	161355	161726	160492	161191	0.39	cps
Terbium	159-1	7500961	7401781	7255789	7386177	1.67	cps
Terbium	159-2	5367725	5522560	5565428	5485237	1.90	cps
Thallium	203-1	237	227	230	231	2.20	cps
Thallium	205-1	605	566	582	584	3.42	cps
Tin	118-1	1943	2034	2050	2009	2.86	cps
Titanium	47-1	107	80	107	98	15.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:50:19	DataFile Name :	054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	63	57	53	58	8.81	cps
Vanadium	51-2	33	33	23	30	19.25	cps
Yttrium	89-1	9864487	9879256	9683730	9809158	1.11	cps
Yttrium	89-2	2931752	2898887	2993194	2941277	1.63	cps
Zinc	66-2	1560	1520	1613	1565	2.99	cps
Zirconium	90-1	497	410	420	442	10.72	cps
Zirconium	91-1	147	87	123	119	25.44	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSRE	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:54:32	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2360054	2301183	2296117	2319118	1.53	cps
Antimony	121-1	4328868	4315516	4329233	4324539	0.18	cps
Arsenic	75-2	17179	17616	17894	17563	2.05	cps
Barium	135-1	5031333	4969867	5065530	5022243	0.97	cps
Barium	137-1	8880868	8682671	8646465	8736668	1.44	cps
Beryllium	9-1	612705	603841	598266	604937	1.20	cps
Bismuth	209-1	5543651	5426209	5403690	5457850	1.38	cps
Bismuth	209-2	4907553	4745406	4650920	4767960	2.72	cps
Bromine	81-1	34641	38113	41682	38145	9.23	cps
Bromine	81-2	7749	7845	7762	7785	0.67	cps
Cadmium	108-1	72527	73157	73307	72997	0.57	cps
Cadmium	106-1	105554	105268	105940	105587	0.32	cps
Cadmium	111-1	1045695	1037735	1030497	1037976	0.73	cps
Calcium	43-1	3609459	3595884	3535435	3580259	1.10	cps
Calcium	44-1	58101797	57642911	57598237	57780982	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2191466	2194281	2133344	2173030	1.58	cps
Cobalt	59-2	3399892	3483241	3547453	3476862	2.13	cps
Copper	63-2	22492188	22468561	22269248	22409999	0.55	cps
Dysprosium	156-1	197	180	160	179	10.26	cps
Dysprosium	156-2	343	387	307	346	11.59	cps
Erbium	164-1	360	333	283	326	11.96	cps
Erbium	164-2	217	257	197	223	13.68	cps
Gadolinium	160-1	200	200	183	194	4.95	cps
Gadolinium	160-2	440	573	520	511	13.13	cps
Holmium	165-1	9292984	8931168	8906843	9043665	2.39	cps
Holmium	165-2	6907707	6896040	6737074	6846940	1.39	cps
Indium	115-1	7635041	7488686	7456072	7526600	1.27	cps
Indium	115-2	2945044	2931373	2877908	2918108	1.22	cps
Iron	56-2	97129865	96810202	98438989	97459685	0.89	cps
Iron	57-2	2522474	2511494	2509240	2514403	0.28	cps
Iron	54-2	5459033	5352831	5487572	5433145	1.31	cps
Krypton	83-1	430	510	567	502	13.67	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSRE	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:54:32	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14362211	14213669	14318490	14298123	0.53	cps
Lead	207-1	12571098	12591100	12685567	12615922	0.48	cps
Lead	208-1	57457672	57118802	57617930	57398135	0.44	cps
Lithium	6-1	556781	535925	530388	541031	2.57	cps
Magnesium	24-2	32998520	32885960	32706443	32863641	0.45	cps
Manganese	55-2	15361572	15195999	15513634	15357069	1.03	cps
Molybdenum	94-1	8067647	7905893	7959484	7977675	1.03	cps
Molybdenum	95-1	9045789	8804397	8859614	8903267	1.42	cps
Molybdenum	96-1	10054336	10068105	9813079	9978507	1.44	cps
Molybdenum	97-1	5491160	5443713	5362293	5432388	1.20	cps
Molybdenum	98-1	14408920	14187209	14248228	14281452	0.80	cps
Neodymium	150-1	210	147	177	178	17.82	cps
Neodymium	150-2	80	60	57	66	19.25	cps
Nickel	60-2	1084628	1096684	1102101	1094471	0.82	cps
Phosphorus	31-2	547	640	643	610	9.00	cps
Potassium	39-2	12876232	12734473	13018585	12876430	1.10	cps
Rhodium	103-1	7395867	7409324	7314967	7373386	0.69	cps
Rhodium	103-2	4761818	4778609	4650460	4730296	1.47	cps
Scandium	45-1	4737601	4619785	4560408	4639265	1.94	cps
Scandium	45-2	401066	403623	396876	400522	0.85	cps
Selenium	82-1	86952	86959	86412	86774	0.36	cps
Selenium	77-2	9226	9783	9533	9514	2.93	cps
Selenium	78-2	32963	32967	31727	32553	2.19	cps
Silicon	28-1	52431303	51704051	50882058	51672470	1.50	cps
Silver	107-1	999488	1001238	990886	997204	0.56	cps
Silver	109-1	824655	820802	811576	819011	0.82	cps
Sodium	23-2	65875027	64816917	63917279	64869741	1.51	cps
Strontium	86-1	2347980	2337328	2327407	2337572	0.44	cps
Strontium	88-1	20337321	19939133	19826607	20034354	1.34	cps
Sulfur	34-1	415221	412812	409344	412459	0.72	cps
Terbium	159-1	9219188	9116233	9240931	9192117	0.72	cps
Terbium	159-2	6734089	6658568	6610837	6667831	0.93	cps
Thallium	203-1	3973965	3942731	3969259	3961985	0.43	cps
Thallium	205-1	9299764	9068680	9237827	9202090	1.30	cps
Tin	118-1	3432040	3499584	3486199	3472608	1.03	cps
Titanium	47-1	2410	2524	2334	2422	3.95	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSRE	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 14:54:32	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12648534	12618826	12284660	12517340	1.61	cps
Vanadium	51-2	1933068	1956921	1918987	1936325	0.99	cps
Yttrium	89-1	12333278	12311482	12015324	12220028	1.45	cps
Yttrium	89-2	3579463	3567383	3547739	3564862	0.45	cps
Zinc	66-2	4173639	4124556	4084212	4127469	1.09	cps
Zirconium	90-1	7763193	7735744	7583487	7694141	1.26	cps
Zirconium	91-1	1730670	1676563	1677945	1695059	1.82	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSD	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSD	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:00:49	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2062787	2060294	2040249	2054443	0.60	cps
Antimony	121-1	3978156	3975697	3986644	3980166	0.14	cps
Arsenic	75-2	16411	16772	16230	16471	1.67	cps
Barium	135-1	4485732	4462480	4478528	4475580	0.27	cps
Barium	137-1	7624302	7647370	7713110	7661594	0.60	cps
Beryllium	9-1	538751	540898	537146	538932	0.35	cps
Bismuth	209-1	4945014	4958355	4895690	4933020	0.67	cps
Bismuth	209-2	4284421	4362757	4167270	4271483	2.30	cps
Bromine	81-1	54294	67303	77258	66285	17.37	cps
Bromine	81-2	16997	17530	18255	17594	3.59	cps
Cadmium	108-1	65728	67027	66231	66329	0.99	cps
Cadmium	106-1	96058	95193	94891	95381	0.64	cps
Cadmium	111-1	943257	944220	956972	948150	0.81	cps
Calcium	43-1	3532491	3624507	3577094	3578031	1.29	cps
Calcium	44-1	57939187	58468946	58795749	58401294	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1994062	2007382	2038765	2013403	1.14	cps
Cobalt	59-2	3245485	3311638	3211306	3256143	1.57	cps
Copper	63-2	21168330	21131740	21486650	21262240	0.92	cps
Dysprosium	156-1	140	140	190	157	18.43	cps
Dysprosium	156-2	277	303	263	281	7.25	cps
Erbium	164-1	313	320	307	313	2.13	cps
Erbium	164-2	250	243	210	234	9.14	cps
Gadolinium	160-1	213	177	173	188	11.82	cps
Gadolinium	160-2	513	430	500	481	9.30	cps
Holmium	165-1	8032557	8171488	8173509	8125851	0.99	cps
Holmium	165-2	6103057	6132014	5988813	6074628	1.25	cps
Indium	115-1	6626705	6662712	6645062	6644826	0.27	cps
Indium	115-2	2581375	2623578	2631990	2612314	1.04	cps
Iron	56-2	87648340	87669475	86188362	87168726	0.97	cps
Iron	57-2	2238289	2241125	2239469	2239628	0.06	cps
Iron	54-2	4804874	4835878	4884742	4841831	0.83	cps
Krypton	83-1	473	570	523	522	9.26	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSD	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSD	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:00:49	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13356176	13655912	13504154	13505414	1.11	cps
Lead	207-1	11612996	11860885	11831901	11768594	1.15	cps
Lead	208-1	53541563	54037968	54652198	54077243	1.03	cps
Lithium	6-1	466006	459765	468404	464725	0.96	cps
Magnesium	24-2	37585890	37603300	38248289	37812493	1.00	cps
Manganese	55-2	14907121	15168388	14802141	14959217	1.26	cps
Molybdenum	94-1	7076176	7096728	7164783	7112563	0.65	cps
Molybdenum	95-1	7890982	7920320	7761419	7857573	1.08	cps
Molybdenum	96-1	8975493	8798998	8910649	8895047	1.00	cps
Molybdenum	97-1	4890612	4825751	4909847	4875403	0.90	cps
Molybdenum	98-1	12654081	12566406	12422345	12547611	0.93	cps
Neodymium	150-1	210	167	167	181	13.81	cps
Neodymium	150-2	73	67	60	67	10.00	cps
Nickel	60-2	1008853	1028052	1004020	1013642	1.25	cps
Phosphorus	31-2	647	580	617	614	5.43	cps
Potassium	39-2	12171838	12132764	11921171	12075257	1.12	cps
Rhodium	103-1	6523775	6463350	6350693	6445939	1.36	cps
Rhodium	103-2	4254540	4309368	4283261	4282389	0.64	cps
Scandium	45-1	4087730	4052274	4082418	4074141	0.47	cps
Scandium	45-2	355475	361135	357744	358118	0.80	cps
Selenium	82-1	77586	77526	78109	77740	0.41	cps
Selenium	77-2	8736	8406	8116	8419	3.69	cps
Selenium	78-2	28337	28137	27957	28144	0.68	cps
Silicon	28-1	43867776	44510106	44127679	44168520	0.73	cps
Silver	107-1	919139	922190	924032	921787	0.27	cps
Silver	109-1	753200	760348	756387	756645	0.47	cps
Sodium	23-2	68916172	69580222	69607609	69368001	0.56	cps
Strontium	86-1	2100884	2091759	2140691	2111111	1.23	cps
Strontium	88-1	18368121	18353561	18262103	18327928	0.31	cps
Sulfur	34-1	373704	374724	368272	372233	0.93	cps
Terbium	159-1	8172163	8278817	8213398	8221459	0.65	cps
Terbium	159-2	5990464	6029313	5998388	6006055	0.34	cps
Thallium	203-1	3630594	3709368	3618080	3652680	1.35	cps
Thallium	205-1	8491580	8546875	8607999	8548818	0.68	cps
Tin	118-1	2974937	3073596	3056267	3034934	1.74	cps
Titanium	47-1	2384	2384	2310	2359	1.79	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSD	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSD	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:00:49	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11264029	11701196	11510594	11491940	1.91	cps
Vanadium	51-2	1766164	1792157	1805611	1787977	1.12	cps
Yttrium	89-1	10860490	10975615	10937859	10924655	0.54	cps
Yttrium	89-2	3173429	3235686	3148748	3185954	1.41	cps
Zinc	66-2	3891063	3812097	3974967	3892709	2.09	cps
Zirconium	90-1	6957104	7083068	7088066	7042746	1.05	cps
Zirconium	91-1	1533203	1577095	1560489	1556929	1.42	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02A	Instrumnet Name :	P7
Client Sample ID :	SUPPLYA	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:03:36	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2177709	2117013	2085801	2126841	2.20	cps
Antimony	121-1	4400002	4360291	4290979	4350424	1.27	cps
Arsenic	75-2	17598	17347	17008	17318	1.71	cps
Barium	135-1	4744382	4649272	4714957	4702871	1.04	cps
Barium	137-1	8126659	8275404	8180073	8194046	0.92	cps
Beryllium	9-1	580812	569445	563355	571204	1.55	cps
Bismuth	209-1	5448686	5506044	5539301	5498010	0.83	cps
Bismuth	209-2	4679620	4679370	4632376	4663789	0.58	cps
Bromine	81-1	46971	51590	52664	50408	6.00	cps
Bromine	81-2	9446	9663	9710	9607	1.46	cps
Cadmium	108-1	73693	72966	70792	72483	2.08	cps
Cadmium	106-1	107914	106205	104033	106051	1.83	cps
Cadmium	111-1	1047176	1045723	1028632	1040510	0.99	cps
Calcium	43-1	4223614	4138473	4130260	4164116	1.24	cps
Calcium	44-1	69493606	66224149	66215156	67310970	2.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2157258	2150614	2121114	2142995	0.90	cps
Cobalt	59-2	3462869	3424148	3358851	3415289	1.54	cps
Copper	63-2	26409470	26613487	26780445	26601134	0.70	cps
Dysprosium	156-1	153	183	160	166	9.52	cps
Dysprosium	156-2	313	303	313	310	1.86	cps
Erbium	164-1	333	347	270	317	12.93	cps
Erbium	164-2	257	307	230	264	14.72	cps
Gadolinium	160-1	250	273	210	244	13.10	cps
Gadolinium	160-2	443	550	527	507	11.07	cps
Holmium	165-1	8799119	9043296	8912868	8918428	1.37	cps
Holmium	165-2	6636974	6614499	6751562	6667678	1.10	cps
Indium	115-1	7364936	7421594	7382195	7389575	0.39	cps
Indium	115-2	2877523	2831695	2895582	2868267	1.15	cps
Iron	56-2	90843079	88832869	87242629	88972859	2.03	cps
Iron	57-2	2306832	2328131	2280181	2305048	1.04	cps
Iron	54-2	5080472	4971563	4988723	5013586	1.17	cps
Krypton	83-1	547	540	497	528	5.14	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02A	Instrumnet Name :	P7
Client Sample ID :	SUPPLYA	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:03:36	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17746960	17585196	17466504	17599553	0.80	cps
Lead	207-1	15252462	15264194	15125044	15213900	0.51	cps
Lead	208-1	69932739	69906101	69307622	69715487	0.51	cps
Lithium	6-1	501978	501937	491012	498309	1.27	cps
Magnesium	24-2	45699851	45132698	45319189	45383913	0.64	cps
Manganese	55-2	19108105	18926219	18778228	18937517	0.87	cps
Molybdenum	94-1	7660624	7679071	7513105	7617600	1.19	cps
Molybdenum	95-1	8455273	8387763	8178315	8340450	1.73	cps
Molybdenum	96-1	9520749	9621600	9254267	9465539	2.01	cps
Molybdenum	97-1	5100242	5206690	5101621	5136185	1.19	cps
Molybdenum	98-1	13528501	13328911	13093970	13317127	1.63	cps
Neodymium	150-1	197	183	223	201	10.13	cps
Neodymium	150-2	103	57	63	74	33.91	cps
Nickel	60-2	1084187	1071357	1056840	1070795	1.28	cps
Phosphorus	31-2	600	560	687	616	10.52	cps
Potassium	39-2	12333019	12152834	12011399	12165750	1.33	cps
Rhodium	103-1	7159553	7267016	7317756	7248108	1.11	cps
Rhodium	103-2	4709446	4639828	4646512	4665262	0.82	cps
Scandium	45-1	4556007	4408622	4429041	4464557	1.79	cps
Scandium	45-2	398319	393910	396391	396207	0.56	cps
Selenium	82-1	87084	86415	85780	86427	0.75	cps
Selenium	77-2	9506	9146	9366	9340	1.94	cps
Selenium	78-2	31367	30344	30488	30733	1.80	cps
Silicon	28-1	49597851	48345898	48092231	48678660	1.66	cps
Silver	107-1	1014335	1016075	997620	1009344	1.01	cps
Silver	109-1	830202	827448	813302	823650	1.10	cps
Sodium	23-2	85102615	82981277	83350827	83811573	1.35	cps
Strontium	86-1	2372555	2396242	2267611	2345469	2.92	cps
Strontium	88-1	20450318	20435271	19896558	20260716	1.56	cps
Sulfur	34-1	395221	393067	388701	392329	0.85	cps
Terbium	159-1	9243560	9081759	9072051	9132457	1.05	cps
Terbium	159-2	6721434	6512277	6741487	6658399	1.91	cps
Thallium	203-1	3966740	4029021	3931570	3975777	1.24	cps
Thallium	205-1	9346016	9413499	9087859	9282458	1.85	cps
Tin	118-1	3262259	3253530	3181129	3232306	1.38	cps
Titanium	47-1	2610	2677	2677	2655	1.45	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02A	Instrumnet Name :	P7
Client Sample ID :	SUPPLYA	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:03:36	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12717489	12460399	12427874	12535254	1.27	cps
Vanadium	51-2	1917903	1922167	1943872	1927980	0.72	cps
Yttrium	89-1	11977422	12041684	12031642	12016916	0.29	cps
Yttrium	89-2	3543533	3476842	3463767	3494714	1.22	cps
Zinc	66-2	4980506	4944619	5020454	4981860	0.76	cps
Zirconium	90-1	7855971	7915160	7560441	7777191	2.44	cps
Zirconium	91-1	1756302	1705113	1695515	1718977	1.90	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03	Instrumnet Name :	P7
Client Sample ID :	MW25	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:06:21	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3417137	3409879	3388485	3405167	0.44	cps
Antimony	121-1	36373	40520	41857	39583	7.22	cps
Arsenic	75-2	47843	47584	46729	47385	1.23	cps
Barium	135-1	563006	565608	558611	562408	0.63	cps
Barium	137-1	982039	974363	961700	972701	1.06	cps
Beryllium	9-1	1602	1553	1522	1559	2.60	cps
Bismuth	209-1	3785245	3661788	3586241	3677758	2.73	cps
Bismuth	209-2	3614316	3607011	3487800	3569709	1.99	cps
Bromine	81-1	122080	129529	132989	128200	4.35	cps
Bromine	81-2	27993	27983	28053	28010	0.14	cps
Cadmium	108-1	8990	8916	8819	8908	0.96	cps
Cadmium	106-1	14324	14547	14561	14477	0.92	cps
Cadmium	111-1	135854	134606	135352	135271	0.46	cps
Calcium	43-1	3460952	3454779	3432207	3449313	0.44	cps
Calcium	44-1	55819068	56363061	55949579	56043903	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	168335	168609	165992	167645	0.86	cps
Cobalt	59-2	98276	100458	96699	98477	1.92	cps
Copper	63-2	849943	822751	807417	826704	2.61	cps
Dysprosium	156-1	22992	22248	21453	22231	3.46	cps
Dysprosium	156-2	23346	22558	23340	23081	1.96	cps
Erbium	164-1	23330	22572	22815	22906	1.69	cps
Erbium	164-2	18656	18072	18542	18423	1.68	cps
Gadolinium	160-1	23236	22128	22365	22576	2.59	cps
Gadolinium	160-2	19560	19367	19033	19320	1.38	cps
Holmium	165-1	6802993	6452940	6661070	6639001	2.65	cps
Holmium	165-2	5502115	5479793	5273188	5418365	2.33	cps
Indium	115-1	5832289	5680191	5676490	5729657	1.55	cps
Indium	115-2	2449463	2435168	2357679	2414103	2.05	cps
Iron	56-2	283596962	282364022	281043162	282334716	0.45	cps
Iron	57-2	7237909	7118856	7138544	7165103	0.89	cps
Iron	54-2	15807052	15671018	15352883	15610318	1.49	cps
Krypton	83-1	730	747	873	783	10.01	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03	Instrumnet Name :	P7
Client Sample ID :	MW25	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:06:21	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	193292	186347	185983	188540	2.18	cps
Lead	207-1	149030	148281	145026	147446	1.44	cps
Lead	208-1	725294	705400	703094	711263	1.72	cps
Lithium	6-1	346540	323570	319747	329952	4.39	cps
Magnesium	24-2	11319332	11434575	11216139	11323349	0.97	cps
Manganese	55-2	9741703	9726134	9562217	9676685	1.03	cps
Molybdenum	94-1	111070	111517	109317	110635	1.05	cps
Molybdenum	95-1	169233	168799	168387	168806	0.25	cps
Molybdenum	96-1	186684	187555	186284	186841	0.35	cps
Molybdenum	97-1	106511	105105	106350	105989	0.73	cps
Molybdenum	98-1	271796	269937	269580	270437	0.44	cps
Neodymium	150-1	36103	34612	35053	35256	2.17	cps
Neodymium	150-2	24047	23970	24238	24085	0.57	cps
Nickel	60-2	84143	85341	82976	84153	1.41	cps
Phosphorus	31-2	12989	13573	12752	13105	3.22	cps
Potassium	39-2	10928494	11000298	10917602	10948798	0.41	cps
Rhodium	103-1	5340610	5375841	5294572	5337008	0.76	cps
Rhodium	103-2	3659975	3702170	3636377	3666174	0.91	cps
Scandium	45-1	3557804	3611212	3615220	3594745	0.89	cps
Scandium	45-2	351623	361557	343278	352153	2.60	cps
Selenium	82-1	402	385	228	338	28.27	cps
Selenium	77-2	173	173	140	162	11.87	cps
Selenium	78-2	683	707	720	703	2.64	cps
Silicon	28-1	105179645	101652915	101401775	102744778	2.06	cps
Silver	107-1	10726	10479	10435	10547	1.48	cps
Silver	109-1	9086	8956	8603	8882	2.82	cps
Sodium	23-2	2457954683	2411775431	2412867377	2427532497	1.09	cps
Strontium	86-1	2134553	2143912	2075906	2118124	1.74	cps
Strontium	88-1	18724305	18371091	18179587	18424994	1.50	cps
Sulfur	34-1	3310164	3339967	3259448	3303193	1.23	cps
Terbium	159-1	6985889	6973552	6847033	6935491	1.11	cps
Terbium	159-2	5306906	5556734	5169853	5344497	3.67	cps
Thallium	203-1	5898	5515	5378	5597	4.82	cps
Thallium	205-1	11939	10514	10025	10826	9.19	cps
Tin	118-1	32316	33793	34822	33644	3.74	cps
Titanium	47-1	808902	805977	804969	806616	0.25	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03	Instrumnet Name :	P7
Client Sample ID :	MW25	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:06:21	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	108570	104935	102199	105235	3.04	cps
Vanadium	51-2	161433	164199	159238	161623	1.54	cps
Yttrium	89-1	10327317	10028876	9976237	10110810	1.87	cps
Yttrium	89-2	3142618	3235670	3133733	3170674	1.78	cps
Zinc	66-2	2098317	2106728	2114785	2106610	0.39	cps
Zirconium	90-1	39771	39684	39728	39727	0.11	cps
Zirconium	91-1	9043	9020	8709	8924	2.09	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-04	Instrumnet Name :	P7
Client Sample ID :	MW1	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:09:28	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	299144	298215	297272	298210	0.31	cps
Antimony	121-1	2330	2320	2107	2252	5.60	cps
Arsenic	75-2	1034	1077	1049	1054	2.08	cps
Barium	135-1	168151	161720	163042	164305	2.07	cps
Barium	137-1	288085	280558	285159	284601	1.33	cps
Beryllium	9-1	209	187	181	192	7.46	cps
Bismuth	209-1	4643261	4628110	4614624	4628665	0.31	cps
Bismuth	209-2	4249373	4262672	4137634	4216560	1.63	cps
Bromine	81-1	86716	107754	124074	106181	17.64	cps
Bromine	81-2	27018	27896	28628	27847	2.89	cps
Cadmium	108-1	77	77	100	84	15.95	cps
Cadmium	106-1	2684	2424	2570	2559	5.09	cps
Cadmium	111-1	2865	2773	2833	2823	1.65	cps
Calcium	43-1	1567370	1562686	1556385	1562147	0.35	cps
Calcium	44-1	25995431	25569428	25741722	25768860	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17170	17607	17090	17289	1.61	cps
Cobalt	59-2	20821	20808	20534	20721	0.78	cps
Copper	63-2	40806	40899	39385	40363	2.10	cps
Dysprosium	156-1	11642	11468	11188	11433	2.00	cps
Dysprosium	156-2	11515	11495	11271	11427	1.18	cps
Erbium	164-1	11962	11258	11448	11556	3.15	cps
Erbium	164-2	9150	9210	9050	9136	0.89	cps
Gadolinium	160-1	11908	11698	11598	11735	1.35	cps
Gadolinium	160-2	9700	9727	9283	9570	2.60	cps
Holmium	165-1	7960518	7818575	7817012	7865368	1.05	cps
Holmium	165-2	6150696	6092802	6000803	6081434	1.24	cps
Indium	115-1	6712223	6632170	6497053	6613815	1.64	cps
Indium	115-2	2701947	2694525	2656610	2684361	0.91	cps
Iron	56-2	18219828	17740073	17593173	17851025	1.84	cps
Iron	57-2	435349	431477	430732	432520	0.57	cps
Iron	54-2	885196	876368	872646	878070	0.73	cps
Krypton	83-1	557	537	417	503	15.04	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-04	Instrumnet Name :	P7
Client Sample ID :	MW1	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:09:28	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14805	14932	14748	14828	0.63	cps
Lead	207-1	11972	11575	11802	11783	1.69	cps
Lead	208-1	56823	55975	56323	56374	0.76	cps
Lithium	6-1	427077	421199	426353	424876	0.75	cps
Magnesium	24-2	5917180	5796498	5757498	5823725	1.43	cps
Manganese	55-2	5707933	5563718	5593837	5621829	1.35	cps
Molybdenum	94-1	3600	3560	3711	3624	2.14	cps
Molybdenum	95-1	3844	3464	3630	3646	5.23	cps
Molybdenum	96-1	4177	4231	4211	4206	0.64	cps
Molybdenum	97-1	2357	2424	2494	2425	2.82	cps
Molybdenum	98-1	6051	5785	5778	5871	2.66	cps
Neodymium	150-1	18883	18165	18412	18487	1.97	cps
Neodymium	150-2	12355	12172	11802	12110	2.33	cps
Nickel	60-2	13458	13304	13119	13294	1.28	cps
Phosphorus	31-2	2527	2454	2517	2499	1.59	cps
Potassium	39-2	2048278	1948090	1964475	1986947	2.70	cps
Rhodium	103-1	6534828	6325288	6441577	6433898	1.63	cps
Rhodium	103-2	4307227	4256277	4299437	4287647	0.64	cps
Scandium	45-1	4031043	3954344	4007934	3997774	0.98	cps
Scandium	45-2	368734	364749	364104	365862	0.69	cps
Selenium	82-1	414	432	474	440	6.97	cps
Selenium	77-2	43	103	77	74	40.38	cps
Selenium	78-2	527	557	527	537	3.23	cps
Silicon	28-1	31291565	30776215	30545531	30871104	1.24	cps
Silver	107-1	1145	1180	1121	1149	2.57	cps
Silver	109-1	887	843	993	908	8.50	cps
Sodium	23-2	272932829	271133809	264955769	269674136	1.55	cps
Strontium	86-1	476047	465373	465316	468912	1.32	cps
Strontium	88-1	4767338	4772638	4774937	4771638	0.08	cps
Sulfur	34-1	384434	384207	382553	383732	0.27	cps
Terbium	159-1	8026247	7830685	7861122	7906018	1.33	cps
Terbium	159-2	6055789	5997355	5878609	5977251	1.51	cps
Thallium	203-1	1227	1043	1173	1148	8.22	cps
Thallium	205-1	2547	2410	2184	2380	7.69	cps
Tin	118-1	9086	8499	8369	8652	4.42	cps
Titanium	47-1	57054	56013	55301	56123	1.57	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-04	Instrumnet Name :	P7
Client Sample ID :	MW1	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:09:28	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8853	9020	8806	8893	1.26	cps
Vanadium	51-2	10384	10220	10387	10330	0.92	cps
Yttrium	89-1	11096005	11037057	10907864	11013642	0.87	cps
Yttrium	89-2	3324141	3295156	3275903	3298400	0.74	cps
Zinc	66-2	25478	24711	24527	24905	2.03	cps
Zirconium	90-1	3977	4104	3964	4015	1.92	cps
Zirconium	91-1	807	900	953	887	8.37	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:16:45	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	517	523	590	543	7.46	cps
Antimony	121-1	207	223	170	200	13.64	cps
Arsenic	75-2	19	26	33	26	25.88	cps
Barium	135-1	8753	8576	8910	8746	1.91	cps
Barium	137-1	15318	15589	14945	15284	2.12	cps
Beryllium	9-1	232	235	230	232	1.05	cps
Bismuth	209-1	4634624	4473102	4572459	4560062	1.79	cps
Bismuth	209-2	4124127	4120235	4047185	4097182	1.06	cps
Bromine	81-1	23302	26016	27836	25718	8.87	cps
Bromine	81-2	4111	4324	4614	4350	5.81	cps
Cadmium	108-1	7	3	10	7	50.03	cps
Cadmium	106-1	2054	1970	1893	1972	4.06	cps
Cadmium	111-1	1459	1410	1342	1404	4.21	cps
Calcium	43-1	414070	408819	406777	409889	0.92	cps
Calcium	44-1	7726954	7577853	7665587	7656798	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2180	2064	2020	2088	3.96	cps
Cobalt	59-2	530	520	557	536	3.54	cps
Copper	63-2	19169	19019	18779	18989	1.04	cps
Dysprosium	156-1	20	27	17	21	24.12	cps
Dysprosium	156-2	13	10	23	16	44.60	cps
Erbium	164-1	100	70	87	86	17.57	cps
Erbium	164-2	110	77	60	82	30.96	cps
Gadolinium	160-1	47	30	53	43	27.73	cps
Gadolinium	160-2	380	337	293	337	12.87	cps
Holmium	165-1	7503635	7418576	7551636	7491282	0.90	cps
Holmium	165-2	5739926	5592798	5606981	5646569	1.44	cps
Indium	115-1	6692433	6419946	6467464	6526614	2.23	cps
Indium	115-2	2592961	2572645	2515072	2560226	1.58	cps
Iron	56-2	38285	38797	38095	38392	0.95	cps
Iron	57-2	12866	12812	13089	12922	1.14	cps
Iron	54-2	3967	3640	3731	3779	4.47	cps
Krypton	83-1	503	557	510	523	5.55	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:16:45	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1190	1273	1317	1260	5.11	cps
Lead	207-1	1167	1040	1013	1073	7.63	cps
Lead	208-1	4940	5004	4760	4902	2.58	cps
Lithium	6-1	443394	435443	444765	441201	1.14	cps
Magnesium	24-2	2826424	2814907	2806540	2815957	0.35	cps
Manganese	55-2	3911	3827	3851	3863	1.11	cps
Molybdenum	94-1	1413	1490	1510	1471	3.47	cps
Molybdenum	95-1	2524	2407	2584	2505	3.59	cps
Molybdenum	96-1	2374	2657	2537	2522	5.64	cps
Molybdenum	97-1	1487	1530	1530	1516	1.65	cps
Molybdenum	98-1	3877	3814	3684	3792	2.60	cps
Neodymium	150-1	17	7	27	17	59.99	cps
Neodymium	150-2	7	7	10	8	24.71	cps
Nickel	60-2	1111	1037	1217	1122	8.06	cps
Phosphorus	31-2	560	550	493	534	6.73	cps
Potassium	39-2	371879	368585	369629	370031	0.45	cps
Rhodium	103-1	6430997	6442348	6151575	6341640	2.60	cps
Rhodium	103-2	4221888	4139567	4088757	4150071	1.62	cps
Scandium	45-1	3956376	3871830	3892963	3907056	1.13	cps
Scandium	45-2	342291	343491	338762	341515	0.72	cps
Selenium	82-1	361	294	347	334	10.52	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	533	560	543	546	2.47	cps
Silicon	28-1	9926154	9777609	9696457	9800073	1.19	cps
Silver	107-1	478	478	510	489	3.72	cps
Silver	109-1	270	210	200	227	16.70	cps
Sodium	23-2	7101299	7088540	7006782	7065540	0.73	cps
Strontium	86-1	96829	96614	94112	95852	1.58	cps
Strontium	88-1	813137	818366	793711	808405	1.61	cps
Sulfur	34-1	212773	213578	210198	212183	0.83	cps
Terbium	159-1	7775800	7960190	7586114	7774035	2.41	cps
Terbium	159-2	5679592	5602625	5599001	5627072	0.81	cps
Thallium	203-1	410	523	340	424	21.80	cps
Thallium	205-1	550	431	487	489	12.15	cps
Tin	118-1	3171	2687	2584	2814	11.14	cps
Titanium	47-1	237	183	233	218	13.72	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:16:45	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22182	22790	22302	22425	1.44	cps
Vanadium	51-2	313	297	260	290	9.41	cps
Yttrium	89-1	10279356	10010096	10219218	10169557	1.39	cps
Yttrium	89-2	3068020	2998932	3031699	3032884	1.14	cps
Zinc	66-2	2957	2790	2860	2869	2.92	cps
Zirconium	90-1	530	560	520	537	3.88	cps
Zirconium	91-1	93	113	107	104	9.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:19:59	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5275	510	627	2137	127.18	cps
Antimony	121-1	83	513	347	314	68.95	cps
Arsenic	75-2	141	29	13	61	114.72	cps
Barium	135-1	8599	9120	13046	10255	23.70	cps
Barium	137-1	15258	25037	15686	18660	29.62	cps
Beryllium	9-1	225	381	261	289	28.24	cps
Bismuth	209-1	4582657	4547921	4569545	4566708	0.38	cps
Bismuth	209-2	4136218	4055801	3992491	4061503	1.77	cps
Bromine	81-1	24410	26895	29399	26901	9.27	cps
Bromine	81-2	4521	4671	4687	4626	1.98	cps
Cadmium	108-1	13	20	17	17	20.01	cps
Cadmium	106-1	2227	2791	2190	2403	14.02	cps
Cadmium	111-1	1559	2103	1621	1761	16.89	cps
Calcium	43-1	415514	421263	430915	422564	1.84	cps
Calcium	44-1	7536816	7635032	7714770	7628873	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2710	1990	1887	2196	20.43	cps
Cobalt	59-2	2114	447	530	1030	91.18	cps
Copper	63-2	28452	19042	18665	22053	25.14	cps
Dysprosium	156-1	13	20	17	17	20.01	cps
Dysprosium	156-2	33	20	13	22	45.83	cps
Erbium	164-1	77	63	93	78	19.33	cps
Erbium	164-2	70	67	57	64	10.76	cps
Gadolinium	160-1	50	33	57	47	25.76	cps
Gadolinium	160-2	343	373	340	352	5.21	cps
Holmium	165-1	7332030	7382147	7301377	7338518	0.56	cps
Holmium	165-2	5751479	5560525	5507053	5606352	2.29	cps
Indium	115-1	6192395	6511708	6167252	6290452	3.05	cps
Indium	115-2	2579411	2468642	2456309	2501454	2.71	cps
Iron	56-2	267445	38269	36952	114222	116.17	cps
Iron	57-2	17906	12692	13096	14565	19.92	cps
Iron	54-2	15556	3637	3787	7660	89.27	cps
Krypton	83-1	543	517	560	540	4.05	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:19:59	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1243	32369	2214	11942	148.19	cps
Lead	207-1	1080	14473	1817	5790	130.02	cps
Lead	208-1	4974	52743	8093	21937	121.83	cps
Lithium	6-1	444872	451007	453250	449710	0.96	cps
Magnesium	24-2	2935525	2881976	2770481	2862660	2.94	cps
Manganese	55-2	11638	4561	4471	6890	59.68	cps
Molybdenum	94-1	1397	27845	17866	15703	85.06	cps
Molybdenum	95-1	2277	34224	29878	22126	78.31	cps
Molybdenum	96-1	2587	5298	3618	3834	35.69	cps
Molybdenum	97-1	1587	4399	2004	2663	56.98	cps
Molybdenum	98-1	3644	38888	4905	15812	126.45	cps
Neodymium	150-1	13	10	27	17	52.93	cps
Neodymium	150-2	3	17	10	10	66.70	cps
Nickel	60-2	1840	1160	1114	1372	29.64	cps
Phosphorus	31-2	783	490	603	626	23.65	cps
Potassium	39-2	396066	364822	364021	374970	4.87	cps
Rhodium	103-1	6078097	6359238	6086974	6174770	2.59	cps
Rhodium	103-2	4118601	4026788	4004120	4049836	1.50	cps
Scandium	45-1	3795622	3810729	3831932	3812761	0.48	cps
Scandium	45-2	340911	333310	328762	334328	1.84	cps
Selenium	82-1	333	329	451	371	18.73	cps
Selenium	77-2	7	7	0	4	86.60	cps
Selenium	78-2	510	430	443	461	9.29	cps
Silicon	28-1	9638943	9851641	9565617	9685400	1.53	cps
Silver	107-1	385	577	391	451	24.26	cps
Silver	109-1	223	153	200	192	18.54	cps
Sodium	23-2	7354498	7154132	7165927	7224852	1.56	cps
Strontium	86-1	93119	97071	94112	94767	2.17	cps
Strontium	88-1	830038	825430	832545	829338	0.44	cps
Sulfur	34-1	214118	214082	210334	212845	1.02	cps
Terbium	159-1	7499365	7798708	7469960	7589344	2.40	cps
Terbium	159-2	5593631	5465271	5362824	5473909	2.11	cps
Thallium	203-1	330	817	971	706	47.38	cps
Thallium	205-1	404	1396	1155	985	52.55	cps
Tin	118-1	2374	9184	2620	4726	81.74	cps
Titanium	47-1	173	487	340	333	47.03	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYDUPDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:19:59	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22152	32079	22780	25670	21.66	cps
Vanadium	51-2	1003	313	313	543	73.32	cps
Yttrium	89-1	10243296	9993762	9964239	10067099	1.52	cps
Yttrium	89-2	3014582	2923372	2926356	2954770	1.75	cps
Zinc	66-2	4708	2900	3094	3567	27.82	cps
Zirconium	90-1	500	1074	620	731	41.37	cps
Zirconium	91-1	120	250	147	172	39.87	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	SUPPLYLDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 15:23:14	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	560	1100	3291	1650	87.63	cps
Antimony	121-1	97	60	587	248	118.70	cps
Arsenic	75-2	14	22	72	36	87.07	cps
Barium	135-1	1743	1703	2674	2040	26.93	cps
Barium	137-1	2967	3164	4699	3610	26.28	cps
Beryllium	9-1	42	44	1013	366	153.01	cps
Bismuth	209-1	4513831	4401946	4478201	4464660	1.28	cps
Bismuth	209-2	4113055	4138112	4006976	4086048	1.70	cps
Bromine	81-1	16793	17153	16252	16733	2.71	cps
Bromine	81-2	1637	1603	1613	1618	1.06	cps
Cadmium	108-1	7	10	27	14	74.18	cps
Cadmium	106-1	2310	2224	2240	2258	2.04	cps
Cadmium	111-1	1622	1573	1823	1673	7.91	cps
Calcium	43-1	82429	82255	83278	82654	0.66	cps
Calcium	44-1	1552272	1561236	1574900	1562802	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1907	1973	4509	2797	53.05	cps
Cobalt	59-2	153	383	1020	519	86.52	cps
Copper	63-2	5911	7042	27342	13432	89.79	cps
Dysprosium	156-1	17	23	13	18	28.64	cps
Dysprosium	156-2	10	10	20	13	43.30	cps
Erbium	164-1	73	70	47	63	22.94	cps
Erbium	164-2	43	50	47	47	7.15	cps
Gadolinium	160-1	27	30	63	40	50.68	cps
Gadolinium	160-2	320	380	390	363	10.42	cps
Holmium	165-1	7223085	7094581	7059982	7125883	1.21	cps
Holmium	165-2	5628160	5528918	5535380	5564153	1.00	cps
Indium	115-1	6134400	6246234	6168550	6183061	0.93	cps
Indium	115-2	2520206	2488690	2486927	2498607	0.75	cps
Iron	56-2	30658	49766	134575	71667	77.18	cps
Iron	57-2	3744	4424	18798	8989	94.59	cps
Iron	54-2	3090	4201	9768	5687	62.93	cps
Krypton	83-1	550	637	527	571	10.15	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	SUPPLYLDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 15:23:14	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	863	713	2804	1460	79.86	cps
Lead	207-1	627	647	1514	929	54.52	cps
Lead	208-1	3090	2830	8488	4803	66.51	cps
Lithium	6-1	453133	450935	478859	460976	3.37	cps
Magnesium	24-2	483170	488160	500674	490668	1.84	cps
Manganese	55-2	1907	2977	6662	3849	64.82	cps
Molybdenum	94-1	533	500	58258	19764	168.68	cps
Molybdenum	95-1	577	650	3753	1660	109.23	cps
Molybdenum	96-1	710	747	4113	1857	105.26	cps
Molybdenum	97-1	433	480	3550	1488	120.05	cps
Molybdenum	98-1	937	1047	8738	3574	125.15	cps
Neodymium	150-1	20	7	7	11	69.25	cps
Neodymium	150-2	0	13	3	6	124.93	cps
Nickel	60-2	704	728	902	778	13.89	cps
Phosphorus	31-2	490	467	717	558	24.76	cps
Potassium	39-2	137147	137202	207296	160548	25.22	cps
Rhodium	103-1	5976160	5954369	6148592	6026374	1.77	cps
Rhodium	103-2	4122601	4013366	4114776	4083581	1.49	cps
Scandium	45-1	3751422	3666259	3755121	3724267	1.35	cps
Scandium	45-2	333105	333782	336404	334431	0.52	cps
Selenium	82-1	311	183	402	299	36.91	cps
Selenium	77-2	3	0	30	11	148.01	cps
Selenium	78-2	463	543	480	496	8.52	cps
Silicon	28-1	2624324	2608526	2664680	2632510	1.10	cps
Silver	107-1	169	260	234	221	21.37	cps
Silver	109-1	147	143	130	140	6.30	cps
Sodium	23-2	1498570	1561073	1570012	1543218	2.52	cps
Strontium	86-1	18912	18862	18949	18908	0.23	cps
Strontium	88-1	160088	158693	175261	164681	5.58	cps
Sulfur	34-1	182209	181932	182404	182182	0.13	cps
Terbium	159-1	7208284	7328926	7406475	7314562	1.37	cps
Terbium	159-2	5400227	5483654	5530127	5471336	1.20	cps
Thallium	203-1	280	290	740	437	60.19	cps
Thallium	205-1	613	596	1857	1022	70.74	cps
Tin	118-1	2147	2010	2544	2234	12.41	cps
Titanium	47-1	87	117	367	190	80.91	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	SUPPLYLDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 15:23:14	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4187	4351	6087	4875	21.60	cps
Vanadium	51-2	73	197	3272	1181	153.49	cps
Yttrium	89-1	9878735	9700782	9760692	9780070	0.93	cps
Yttrium	89-2	3016652	2936610	3006284	2986516	1.46	cps
Zinc	66-2	1900	1980	2987	2289	26.46	cps
Zirconium	90-1	453	380	457	430	10.08	cps
Zirconium	91-1	43	77	133	84	53.89	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:26:28	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	332814	332132	326343	330430	1.08	cps
Antimony	121-1	603677	611807	616665	610716	1.07	cps
Arsenic	75-2	2684	2675	2669	2676	0.29	cps
Barium	135-1	648145	654541	664077	655588	1.22	cps
Barium	137-1	1121094	1141628	1150761	1137828	1.34	cps
Beryllium	9-1	103179	102402	102682	102754	0.38	cps
Bismuth	209-1	4475204	4506901	4405359	4462488	1.16	cps
Bismuth	209-2	4094511	4042023	3976570	4037701	1.46	cps
Bromine	81-1	21559	24530	26520	24203	10.32	cps
Bromine	81-2	4141	3934	4211	4095	3.51	cps
Cadmium	108-1	12502	12516	12419	12479	0.42	cps
Cadmium	106-1	19219	19363	19156	19246	0.55	cps
Cadmium	111-1	175494	177305	181907	178235	1.85	cps
Calcium	43-1	531538	533139	538866	534514	0.72	cps
Calcium	44-1	9728502	9751128	9804309	9761313	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	330294	329244	326412	328650	0.61	cps
Cobalt	59-2	531452	527659	526388	528500	0.50	cps
Copper	63-2	4638303	4606801	4564722	4603276	0.80	cps
Dysprosium	156-1	67	20	30	39	63.18	cps
Dysprosium	156-2	53	70	37	53	31.25	cps
Erbium	164-1	87	110	60	86	29.24	cps
Erbium	164-2	63	83	83	77	15.06	cps
Gadolinium	160-1	67	63	53	61	11.36	cps
Gadolinium	160-2	337	383	373	364	6.74	cps
Holmium	165-1	7226173	7304751	7258790	7263238	0.54	cps
Holmium	165-2	5767663	5591654	5637844	5665720	1.61	cps
Indium	115-1	6146501	6137813	6323388	6202568	1.69	cps
Indium	115-2	2528752	2531732	2484117	2514867	1.06	cps
Iron	56-2	16283281	16119193	16097188	16166554	0.63	cps
Iron	57-2	377390	370968	373809	374056	0.86	cps
Iron	54-2	817142	802470	810973	810195	0.91	cps
Krypton	83-1	407	543	633	528	21.62	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:26:28	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2786801	2825759	2861668	2824743	1.33	cps
Lead	207-1	2536235	2483458	2512699	2510798	1.05	cps
Lead	208-1	11317093	11400137	11289150	11335460	0.51	cps
Lithium	6-1	456661	457090	458390	457380	0.20	cps
Magnesium	24-2	5715570	5654630	5599559	5656586	1.03	cps
Manganese	55-2	3211957	3209295	3169782	3197012	0.74	cps
Molybdenum	94-1	1061978	1084693	1094463	1080378	1.54	cps
Molybdenum	95-1	1159915	1175145	1196316	1177125	1.55	cps
Molybdenum	96-1	1511004	1550578	1587384	1549656	2.46	cps
Molybdenum	97-1	726005	737749	753491	739082	1.87	cps
Molybdenum	98-1	2146905	2232362	2239823	2206363	2.34	cps
Neodymium	150-1	33	37	33	34	5.60	cps
Neodymium	150-2	7	33	20	20	66.65	cps
Nickel	60-2	188308	186341	186143	186931	0.64	cps
Phosphorus	31-2	513	543	543	533	3.25	cps
Potassium	39-2	2285433	2207191	2189362	2227329	2.29	cps
Rhodium	103-1	6038077	6009110	6331166	6126117	2.91	cps
Rhodium	103-2	4086388	4061632	4025577	4057866	0.75	cps
Scandium	45-1	3797752	3770144	3835744	3801213	0.87	cps
Scandium	45-2	343171	340171	338416	340586	0.71	cps
Selenium	82-1	14358	14647	14601	14535	1.07	cps
Selenium	77-2	1563	1403	1503	1490	5.42	cps
Selenium	78-2	5805	5531	5821	5719	2.85	cps
Silicon	28-1	9301163	9269046	9366730	9312313	0.53	cps
Silver	107-1	164443	169187	171527	168386	2.14	cps
Silver	109-1	136332	139141	141358	138944	1.81	cps
Sodium	23-2	11644848	11572796	11487229	11568291	0.68	cps
Strontium	86-1	326677	332666	336989	332111	1.56	cps
Strontium	88-1	3350085	3353004	3422368	3375152	1.21	cps
Sulfur	34-1	220011	220680	221208	220633	0.27	cps
Terbium	159-1	7474279	7463914	7576069	7504754	0.83	cps
Terbium	159-2	5642019	5625101	5429670	5565597	2.12	cps
Thallium	203-1	531168	534329	538041	534513	0.64	cps
Thallium	205-1	1220622	1239751	1239881	1233418	0.90	cps
Tin	118-1	456841	459153	468202	461399	1.30	cps
Titanium	47-1	507	510	590	536	8.81	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:26:28	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2069195	2016270	2033215	2039560	1.33	cps
Vanadium	51-2	289677	290116	287510	289101	0.48	cps
Yttrium	89-1	10051829	9892510	10017693	9987344	0.84	cps
Yttrium	89-2	3005225	3026695	2979549	3003823	0.79	cps
Zinc	66-2	754735	741319	738271	744775	1.18	cps
Zirconium	90-1	1084532	1112397	1120311	1105747	1.70	cps
Zirconium	91-1	240150	243707	249215	244357	1.87	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:29:34	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	325856	327410	329962	327743	0.63	cps
Antimony	121-1	615355	599129	617884	610789	1.67	cps
Arsenic	75-2	2601	2645	2657	2634	1.11	cps
Barium	135-1	660875	647393	654096	654121	1.03	cps
Barium	137-1	1148981	1107865	1144596	1133814	1.99	cps
Beryllium	9-1	102295	102940	102581	102605	0.31	cps
Bismuth	209-1	4444860	4517182	4545341	4502461	1.15	cps
Bismuth	209-2	3955654	3969389	4046332	3990458	1.22	cps
Bromine	81-1	22791	25549	27295	25212	9.01	cps
Bromine	81-2	4044	3944	4387	4125	5.64	cps
Cadmium	108-1	12429	11982	12679	12363	2.86	cps
Cadmium	106-1	19590	19847	19860	19766	0.77	cps
Cadmium	111-1	177410	177145	175482	176679	0.59	cps
Calcium	43-1	537321	535684	536957	536654	0.16	cps
Calcium	44-1	9650561	9941402	9839443	9810469	1.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	325323	328686	327639	327216	0.53	cps
Cobalt	59-2	513627	522927	523410	519988	1.06	cps
Copper	63-2	4519420	4608160	4618074	4581885	1.19	cps
Dysprosium	156-1	30	33	37	33	10.01	cps
Dysprosium	156-2	57	57	60	58	3.33	cps
Erbium	164-1	80	117	83	93	21.73	cps
Erbium	164-2	57	87	73	72	20.81	cps
Gadolinium	160-1	53	63	83	67	22.91	cps
Gadolinium	160-2	323	327	360	337	6.02	cps
Holmium	165-1	7282390	7113549	7018615	7138185	1.87	cps
Holmium	165-2	5490182	5665257	5646575	5600671	1.72	cps
Indium	115-1	6234497	6180197	6147908	6187534	0.71	cps
Indium	115-2	2440617	2472864	2501873	2471785	1.24	cps
Iron	56-2	15878418	16160119	16065002	16034513	0.89	cps
Iron	57-2	367677	371498	373026	370734	0.74	cps
Iron	54-2	789139	804786	807271	800399	1.23	cps
Krypton	83-1	527	587	477	530	10.39	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:29:34	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2823650	2807616	2783689	2804985	0.72	cps
Lead	207-1	2462086	2494569	2465116	2473924	0.73	cps
Lead	208-1	11298091	11325424	11146438	11256651	0.86	cps
Lithium	6-1	461234	457639	455501	458125	0.63	cps
Magnesium	24-2	5694450	5600053	5591647	5628717	1.01	cps
Manganese	55-2	3146799	3212545	3140531	3166625	1.26	cps
Molybdenum	94-1	1087027	1064658	1087507	1079731	1.21	cps
Molybdenum	95-1	1183512	1173997	1185031	1180846	0.51	cps
Molybdenum	96-1	1551329	1555761	1573811	1560300	0.76	cps
Molybdenum	97-1	742677	738263	742545	741162	0.34	cps
Molybdenum	98-1	2187783	2202747	2212230	2200920	0.56	cps
Neodymium	150-1	37	20	30	29	29.04	cps
Neodymium	150-2	20	13	10	14	35.26	cps
Nickel	60-2	183367	184574	185660	184534	0.62	cps
Phosphorus	31-2	573	603	460	546	13.86	cps
Potassium	39-2	2204357	2214048	2218205	2212203	0.32	cps
Rhodium	103-1	6229317	6144189	6083641	6152382	1.19	cps
Rhodium	103-2	3965644	4022946	3975065	3987885	0.77	cps
Scandium	45-1	3820973	3857718	3835786	3838159	0.48	cps
Scandium	45-2	334008	334803	335803	334871	0.27	cps
Selenium	82-1	14504	14244	14844	14531	2.07	cps
Selenium	77-2	1680	1673	1637	1663	1.40	cps
Selenium	78-2	5898	5731	5801	5810	1.44	cps
Silicon	28-1	9160484	9266007	9579695	9335395	2.34	cps
Silver	107-1	170049	167396	171287	169577	1.17	cps
Silver	109-1	136846	136600	138606	137351	0.80	cps
Sodium	23-2	11335605	11377424	11595800	11436276	1.22	cps
Strontium	86-1	331290	326835	333136	330420	0.98	cps
Strontium	88-1	3380817	3259349	3357516	3332561	1.93	cps
Sulfur	34-1	221188	222689	222493	222123	0.37	cps
Terbium	159-1	7427299	7244598	7367888	7346595	1.27	cps
Terbium	159-2	5376287	5518861	5645080	5513409	2.44	cps
Thallium	203-1	542031	528846	537005	535961	1.24	cps
Thallium	205-1	1223339	1206976	1233794	1221369	1.11	cps
Tin	118-1	460922	450741	459458	457041	1.20	cps
Titanium	47-1	887	2474	540	1300	79.30	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYMSDDL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:29:34	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2025031	2035520	1978802	2013118	1.50	cps
Vanadium	51-2	284649	286614	287534	286266	0.51	cps
Yttrium	89-1	10105121	9933852	9819803	9952925	1.44	cps
Yttrium	89-2	2937832	2962889	2952309	2951010	0.43	cps
Zinc	66-2	730448	739867	739613	736643	0.73	cps
Zirconium	90-1	1097144	1088879	1103993	1096672	0.69	cps
Zirconium	91-1	244099	242469	247356	244641	1.02	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:45:17	DataFile Name :	066CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11100972	10996113	11187132	11094739	0.86	cps
Antimony	121-1	3460402	3536618	3478400	3491807	1.14	cps
Arsenic	75-2	230402	228153	231401	229985	0.72	cps
Barium	135-1	4291017	4313790	4368807	4324538	0.92	cps
Barium	137-1	7333998	7488307	7499620	7440641	1.24	cps
Beryllium	9-1	507234	506542	508914	507563	0.24	cps
Bismuth	209-1	4225398	4137530	4201485	4188137	1.08	cps
Bismuth	209-2	3842873	3959004	3861292	3887723	1.61	cps
Bromine	81-1	10547	10691	11118	10785	2.75	cps
Bromine	81-2	297	363	333	331	10.08	cps
Cadmium	108-1	62875	64235	66009	64373	2.44	cps
Cadmium	106-1	89618	91603	93774	91665	2.27	cps
Cadmium	111-1	873986	888877	892941	885268	1.13	cps
Calcium	43-1	5333809	5305470	5255098	5298126	0.75	cps
Calcium	44-1	87488150	87200385	87414765	87367767	0.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1947337	1928402	1922302	1932681	0.68	cps
Cobalt	59-2	3091029	3023066	3057294	3057130	1.11	cps
Copper	63-2	22383166	22553712	22259281	22398720	0.66	cps
Dysprosium	156-1	193	207	167	189	10.78	cps
Dysprosium	156-2	447	363	433	414	10.80	cps
Erbium	164-1	367	420	463	417	11.62	cps
Erbium	164-2	330	353	297	327	8.72	cps
Gadolinium	160-1	257	183	233	224	16.69	cps
Gadolinium	160-2	517	520	507	514	1.35	cps
Holmium	165-1	7076452	7134423	6891389	7034088	1.80	cps
Holmium	165-2	5622441	5766100	5841704	5743415	1.94	cps
Indium	115-1	5837910	6010317	5891184	5913137	1.49	cps
Indium	115-2	2428142	2472116	2481102	2460453	1.15	cps
Iron	56-2	472285006	484788139	479811286	478961477	1.31	cps
Iron	57-2	11792796	11661016	11930542	11794785	1.14	cps
Iron	54-2	26062484	25947612	26112370	26040822	0.32	cps
Krypton	83-1	480	550	483	504	7.83	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:45:17	DataFile Name :	066CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13064920	13259084	13219353	13181119	0.78	cps
Lead	207-1	11327139	11391824	11347708	11355557	0.29	cps
Lead	208-1	51794396	52465802	51782691	52014296	0.75	cps
Lithium	6-1	444653	442869	447424	444982	0.52	cps
Magnesium	24-2	98127632	96982279	96177625	97095845	1.01	cps
Manganese	55-2	15134958	15432766	15349980	15305902	1.00	cps
Molybdenum	94-1	13518410	13769033	13652186	13646543	0.92	cps
Molybdenum	95-1	19277475	19690372	19617125	19528324	1.13	cps
Molybdenum	96-1	20886190	21191470	21666269	21247976	1.85	cps
Molybdenum	97-1	11598524	12042042	12082744	11907770	2.26	cps
Molybdenum	98-1	30030193	31178535	31141690	30783473	2.12	cps
Neodymium	150-1	230	217	173	207	14.33	cps
Neodymium	150-2	83	107	113	101	15.58	cps
Nickel	60-2	954792	945414	948042	949416	0.51	cps
Phosphorus	31-2	104367	103379	105548	104431	1.04	cps
Potassium	39-2	54912153	54501504	54010718	54474791	0.83	cps
Rhodium	103-1	5741005	5783095	5774638	5766246	0.39	cps
Rhodium	103-2	3874638	3855198	3983522	3904453	1.77	cps
Scandium	45-1	3870499	3794276	3800849	3821875	1.11	cps
Scandium	45-2	342584	344437	351815	346279	1.41	cps
Selenium	82-1	66942	66591	67196	66910	0.45	cps
Selenium	77-2	7789	7989	7682	7820	1.99	cps
Selenium	78-2	26136	25739	26507	26128	1.47	cps
Silicon	28-1	24580421	24164836	24508828	24418029	0.91	cps
Silver	107-1	4945085	4149601	5568885	4887857	14.55	cps
Silver	109-1	5055851	4511744	3968414	4512003	12.05	cps
Sodium	23-2	144494468	142152455	145045778	143897567	1.07	cps
Strontium	86-1	1029796	1044302	1050466	1041521	1.02	cps
Strontium	88-1	10524249	10658801	10611580	10598210	0.64	cps
Sulfur	34-1	451353	450415	451532	451100	0.13	cps
Terbium	159-1	7285363	7235491	7177283	7232712	0.75	cps
Terbium	159-2	5646957	5565503	5578572	5597011	0.78	cps
Thallium	203-1	3190313	3188959	3204368	3194547	0.27	cps
Thallium	205-1	7471985	7576247	7571158	7539797	0.78	cps
Tin	118-1	3033205	3060997	3066091	3053431	0.58	cps
Titanium	47-1	5160382	5153893	5190943	5168406	0.38	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:45:17	DataFile Name :	066CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10017619	9970992	10078762	10022457	0.54	cps
Vanadium	51-2	1696250	1670557	1660995	1675934	1.09	cps
Yttrium	89-1	9824954	9910230	9939802	9891662	0.60	cps
Yttrium	89-2	3025961	3043909	3068835	3046235	0.71	cps
Zinc	66-2	3979199	3964920	4030295	3991471	0.86	cps
Zirconium	90-1	6644989	6771934	6737767	6718230	0.98	cps
Zirconium	91-1	1481729	1486610	1514837	1494392	1.20	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:54:19	DataFile Name :	067CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	413	303	423	380	17.52	cps
Antimony	121-1	313	257	243	271	13.71	cps
Arsenic	75-2	4	4	7	5	41.87	cps
Barium	135-1	60	43	57	53	16.54	cps
Barium	137-1	93	97	87	92	5.52	cps
Beryllium	9-1	4	14	4	7	78.43	cps
Bismuth	209-1	4360488	4291185	4363527	4338400	0.94	cps
Bismuth	209-2	4088538	3992574	4035509	4038874	1.19	cps
Bromine	81-1	10794	10067	10097	10319	3.99	cps
Bromine	81-2	277	317	290	294	6.92	cps
Cadmium	108-1	13	13	10	12	15.73	cps
Cadmium	106-1	2023	2007	1980	2003	1.09	cps
Cadmium	111-1	1430	1412	1416	1419	0.68	cps
Calcium	43-1	420	443	453	439	3.90	cps
Calcium	44-1	40360	43255	42262	41959	3.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1780	1883	1830	1831	2.82	cps
Cobalt	59-2	70	50	87	69	26.65	cps
Copper	63-2	2120	1920	2167	2069	6.33	cps
Dysprosium	156-1	7	7	3	6	34.70	cps
Dysprosium	156-2	0	3	10	4	114.60	cps
Erbium	164-1	63	50	33	49	30.75	cps
Erbium	164-2	13	33	20	22	45.83	cps
Gadolinium	160-1	43	47	17	36	46.24	cps
Gadolinium	160-2	337	323	310	323	4.12	cps
Holmium	165-1	6920727	7042844	7054511	7006027	1.06	cps
Holmium	165-2	5554634	5539498	5558561	5550898	0.18	cps
Indium	115-1	5973481	6199963	6006457	6059967	2.02	cps
Indium	115-2	2517276	2493178	2516820	2509091	0.55	cps
Iron	56-2	23458	24273	23382	23704	2.08	cps
Iron	57-2	1590	1570	1640	1600	2.25	cps
Iron	54-2	2917	3064	3064	3015	2.81	cps
Krypton	83-1	477	563	503	514	8.63	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:54:19	DataFile Name :	067CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	703	760	620	694	10.14	cps
Lead	207-1	573	610	550	578	5.23	cps
Lead	208-1	2617	2697	2527	2613	3.25	cps
Lithium	6-1	443741	446191	442971	444301	0.38	cps
Magnesium	24-2	740	820	847	802	6.92	cps
Manganese	55-2	1037	1193	1043	1091	8.12	cps
Molybdenum	94-1	403	370	410	394	5.43	cps
Molybdenum	95-1	313	343	323	327	4.68	cps
Molybdenum	96-1	380	317	380	359	10.19	cps
Molybdenum	97-1	253	240	250	248	2.80	cps
Molybdenum	98-1	487	490	567	514	8.80	cps
Neodymium	150-1	3	7	7	6	34.70	cps
Neodymium	150-2	10	3	0	4	114.60	cps
Nickel	60-2	486	541	521	516	5.38	cps
Phosphorus	31-2	470	463	463	466	0.83	cps
Potassium	39-2	77647	76568	77312	77175	0.72	cps
Rhodium	103-1	6055025	6059236	6124468	6079576	0.64	cps
Rhodium	103-2	3986277	4017191	4113653	4039040	1.64	cps
Scandium	45-1	3774853	3781173	3738291	3764772	0.61	cps
Scandium	45-2	333288	334013	332100	333134	0.29	cps
Selenium	82-1	336	212	336	295	24.29	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	397	440	423	420	5.20	cps
Silicon	28-1	625684	617048	616615	619782	0.83	cps
Silver	107-1	1117	714	517	783	39.07	cps
Silver	109-1	993	583	457	678	41.39	cps
Sodium	23-2	58862	58286	58731	58627	0.51	cps
Strontium	86-1	960	783	860	868	10.21	cps
Strontium	88-1	257	257	263	259	1.49	cps
Sulfur	34-1	172673	173256	171500	172477	0.52	cps
Terbium	159-1	7069484	7196004	7200059	7155182	1.04	cps
Terbium	159-2	5509866	5477795	5633813	5540492	1.49	cps
Thallium	203-1	260	213	260	244	11.02	cps
Thallium	205-1	569	579	555	568	2.08	cps
Tin	118-1	1817	1883	1853	1851	1.80	cps
Titanium	47-1	103	97	83	94	10.78	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 15:54:19	DataFile Name :	067CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	63	53	67	61	11.36	cps
Vanadium	51-2	27	30	40	32	21.53	cps
Yttrium	89-1	9847027	9861993	9693805	9800942	0.95	cps
Yttrium	89-2	2991710	2994058	3009186	2998318	0.32	cps
Zinc	66-2	1597	1697	1547	1613	4.73	cps
Zirconium	90-1	443	460	507	470	6.98	cps
Zirconium	91-1	107	77	160	114	36.88	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:58:16	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	344918	337364	340533	340938	1.11	cps
Antimony	121-1	608225	606291	607954	607490	0.17	cps
Arsenic	75-2	2712	2649	2621	2661	1.75	cps
Barium	135-1	663099	666411	672348	667286	0.70	cps
Barium	137-1	1153028	1161239	1162729	1158999	0.45	cps
Beryllium	9-1	104723	104704	105178	104869	0.26	cps
Bismuth	209-1	4536745	4470875	4542177	4516599	0.88	cps
Bismuth	209-2	4246418	4072326	4090723	4136489	2.31	cps
Bromine	81-1	14941	16636	16356	15978	5.69	cps
Bromine	81-2	1820	1707	1830	1786	3.84	cps
Cadmium	108-1	12335	12002	12175	12171	1.37	cps
Cadmium	106-1	20031	19273	19547	19617	1.96	cps
Cadmium	111-1	175993	177539	175233	176255	0.67	cps
Calcium	43-1	497350	498731	496069	497383	0.27	cps
Calcium	44-1	9089344	9065827	8938649	9031273	0.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	332281	327668	326945	328965	0.88	cps
Cobalt	59-2	533779	523135	516264	524392	1.68	cps
Copper	63-2	4076101	4035468	4018462	4043344	0.73	cps
Dysprosium	156-1	33	40	37	37	9.10	cps
Dysprosium	156-2	60	43	40	48	22.43	cps
Erbium	164-1	110	90	93	98	10.96	cps
Erbium	164-2	70	80	80	77	7.53	cps
Gadolinium	160-1	77	67	50	64	20.91	cps
Gadolinium	160-2	397	347	390	378	7.19	cps
Holmium	165-1	7306257	7378506	7270552	7318438	0.75	cps
Holmium	165-2	5881488	5793779	5760152	5811807	1.08	cps
Indium	115-1	6424554	6251691	6236687	6304311	1.66	cps
Indium	115-2	2656459	2523519	2563897	2581292	2.64	cps
Iron	56-2	16587830	16053272	16479480	16373527	1.73	cps
Iron	57-2	380660	374602	380873	378712	0.94	cps
Iron	54-2	840998	815934	826584	827839	1.52	cps
Krypton	83-1	593	543	607	581	5.75	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:58:16	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2404837	2406456	2415123	2408805	0.23	cps
Lead	207-1	2120475	2071250	2130950	2107558	1.51	cps
Lead	208-1	9775929	9541472	9754829	9690743	1.34	cps
Lithium	6-1	471484	465210	474401	470365	1.00	cps
Magnesium	24-2	4492387	4398967	4353955	4415103	1.60	cps
Manganese	55-2	2798938	2757227	2768170	2774778	0.78	cps
Molybdenum	94-1	1081059	1101408	1087232	1089900	0.96	cps
Molybdenum	95-1	1388987	1205566	1198045	1264199	8.55	cps
Molybdenum	96-1	1585481	1608889	1578918	1591096	0.99	cps
Molybdenum	97-1	751260	763768	752451	755827	0.91	cps
Molybdenum	98-1	2212016	2262206	2213101	2229108	1.29	cps
Neodymium	150-1	40	47	13	33	52.92	cps
Neodymium	150-2	17	7	13	12	41.65	cps
Nickel	60-2	189646	186228	186810	187561	0.97	cps
Phosphorus	31-2	617	537	513	556	9.76	cps
Potassium	39-2	2318852	2268117	2294220	2293730	1.11	cps
Rhodium	103-1	6224159	6285286	6112187	6207210	1.41	cps
Rhodium	103-2	4306245	4141111	4168201	4205186	2.11	cps
Scandium	45-1	4024400	3995756	3849674	3956610	2.37	cps
Scandium	45-2	355406	349402	347463	350757	1.18	cps
Selenium	82-1	14450	14574	14245	14423	1.15	cps
Selenium	77-2	1637	1770	1573	1660	6.05	cps
Selenium	78-2	5775	5858	5865	5832	0.86	cps
Silicon	28-1	9913502	9849708	10009812	9924341	0.81	cps
Silver	107-1	167774	168957	167594	168108	0.44	cps
Silver	109-1	138934	138720	139744	139132	0.39	cps
Sodium	23-2	9724618	9504471	9549099	9592729	1.21	cps
Strontium	86-1	331389	334137	330619	332048	0.56	cps
Strontium	88-1	3386453	3379961	3351410	3372608	0.55	cps
Sulfur	34-1	218618	219376	218206	218733	0.27	cps
Terbium	159-1	7531868	7350820	7543040	7475243	1.44	cps
Terbium	159-2	5764126	5731886	5709260	5735090	0.48	cps
Thallium	203-1	524109	523289	539952	529117	1.78	cps
Thallium	205-1	1201434	1203395	1242483	1215771	1.90	cps
Tin	118-1	466906	468618	468933	468152	0.23	cps
Titanium	47-1	513	477	683	558	19.77	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	SUPPLYADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 15:58:16	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2014085	1999500	1986232	1999939	0.70	cps
Vanadium	51-2	295450	287808	289665	290975	1.37	cps
Yttrium	89-1	10248252	10192972	10077342	10172855	0.86	cps
Yttrium	89-2	3142439	3058190	3096777	3099135	1.36	cps
Zinc	66-2	656780	643098	649440	649773	1.05	cps
Zirconium	90-1	1085245	1106745	1092627	1094873	1.00	cps
Zirconium	91-1	240560	244653	242685	242633	0.84	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03DLX10	Instrumnet Name :	P7
Client Sample ID :	MW25DL	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 16:01:21	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	309063	312051	308324	309813	0.64	cps
Antimony	121-1	2684	3044	2974	2900	6.58	cps
Arsenic	75-2	5361	5053	5333	5249	3.24	cps
Barium	135-1	60458	60397	61345	60733	0.87	cps
Barium	137-1	104444	105514	105716	105225	0.65	cps
Beryllium	9-1	191	216	213	207	6.55	cps
Bismuth	209-1	4333225	4319281	4318636	4323714	0.19	cps
Bismuth	209-2	3995966	4051992	3976299	4008086	0.98	cps
Bromine	81-1	20271	23522	23960	22584	8.92	cps
Bromine	81-2	3454	3440	3284	3393	2.79	cps
Cadmium	108-1	1107	1107	1193	1136	4.41	cps
Cadmium	106-1	3781	3874	3717	3791	2.08	cps
Cadmium	111-1	17430	17906	17879	17738	1.51	cps
Calcium	43-1	339949	340322	340263	340178	0.06	cps
Calcium	44-1	6190136	6120515	6207169	6172607	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18785	19556	19022	19121	2.07	cps
Cobalt	59-2	10597	10414	10360	10457	1.19	cps
Copper	63-2	89157	88852	87672	88560	0.89	cps
Dysprosium	156-1	2430	2500	2450	2460	1.47	cps
Dysprosium	156-2	2350	2367	2564	2427	4.89	cps
Erbium	164-1	2667	2600	2747	2671	2.75	cps
Erbium	164-2	1933	1910	1980	1941	1.84	cps
Gadolinium	160-1	2460	2397	2374	2410	1.86	cps
Gadolinium	160-2	2300	2440	2257	2332	4.11	cps
Holmium	165-1	7199542	7224038	7368574	7264051	1.26	cps
Holmium	165-2	5905508	5752908	5709750	5789389	1.78	cps
Indium	115-1	6102775	6205576	6094148	6134166	1.01	cps
Indium	115-2	2558303	2483501	2491700	2511168	1.63	cps
Iron	56-2	30614957	30230152	29653562	30166224	1.60	cps
Iron	57-2	685351	683315	674370	681012	0.86	cps
Iron	54-2	1679278	1684326	1683741	1682448	0.16	cps
Krypton	83-1	550	507	500	519	5.23	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03DLX10	Instrumnet Name :	P7
Client Sample ID :	MW25DL	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 16:01:21	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23661	23567	23437	23555	0.48	cps
Lead	207-1	17905	18169	18296	18123	1.10	cps
Lead	208-1	86835	88389	88433	87886	1.04	cps
Lithium	6-1	460704	463334	457035	460358	0.69	cps
Magnesium	24-2	1236826	1216411	1183344	1212194	2.23	cps
Manganese	55-2	876322	881032	867965	875107	0.76	cps
Molybdenum	94-1	12405	12145	11985	12178	1.74	cps
Molybdenum	95-1	18115	17467	18315	17966	2.47	cps
Molybdenum	96-1	19997	20117	19974	20029	0.38	cps
Molybdenum	97-1	11751	11411	11601	11588	1.47	cps
Molybdenum	98-1	29059	29012	28722	28931	0.63	cps
Neodymium	150-1	3627	3894	4147	3889	6.69	cps
Neodymium	150-2	2614	2504	2550	2556	2.16	cps
Nickel	60-2	9673	9466	9288	9476	2.03	cps
Phosphorus	31-2	1797	1823	1823	1815	0.85	cps
Potassium	39-2	1206080	1199909	1181804	1195931	1.06	cps
Rhodium	103-1	5983354	5975248	5946053	5968218	0.33	cps
Rhodium	103-2	4067598	4054386	3946642	4022875	1.65	cps
Scandium	45-1	3907047	3865355	3919225	3897209	0.72	cps
Scandium	45-2	342823	343062	338800	341562	0.70	cps
Selenium	82-1	317	364	401	361	11.79	cps
Selenium	77-2	27	10	27	21	45.58	cps
Selenium	78-2	480	517	570	522	8.67	cps
Silicon	28-1	12850621	12964623	12712142	12842462	0.98	cps
Silver	107-1	1755	1563	1483	1600	8.73	cps
Silver	109-1	1553	1237	1243	1345	13.46	cps
Sodium	23-2	254094736	264106436	259156063	259119078	1.93	cps
Strontium	86-1	186186	190571	187864	188207	1.18	cps
Strontium	88-1	1880257	1941069	1906829	1909385	1.60	cps
Sulfur	34-1	492649	496899	490162	493237	0.69	cps
Terbium	159-1	7364677	7468589	7513429	7448898	1.02	cps
Terbium	159-2	5645774	5716714	5692492	5684993	0.63	cps
Thallium	203-1	830	843	863	846	1.98	cps
Thallium	205-1	1831	1771	1734	1779	2.74	cps
Tin	118-1	5281	5785	5805	5623	5.28	cps
Titanium	47-1	88151	88688	90498	89113	1.38	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2562-03DLX10	Instrumnet Name :	P7
Client Sample ID :	MW25DL	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 16:01:21	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12142	12976	12629	12583	3.33	cps
Vanadium	51-2	16272	16332	16326	16310	0.20	cps
Yttrium	89-1	9934569	9990045	10115277	10013297	0.92	cps
Yttrium	89-2	3108579	3126675	3064564	3099939	1.03	cps
Zinc	66-2	221036	225200	221097	222444	1.07	cps
Zirconium	90-1	5224	5404	5461	5363	2.31	cps
Zirconium	91-1	1317	1010	1273	1200	13.83	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BL	Instrumnet Name :	P7
Client Sample ID :	PB168856BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:14:54	DataFile Name :	070CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	323	277	310	303	7.92	cps
Antimony	121-1	113	87	77	92	20.55	cps
Arsenic	75-2	10	7	10	9	20.10	cps
Barium	135-1	23	30	37	30	22.23	cps
Barium	137-1	37	43	50	43	15.38	cps
Beryllium	9-1	4	17	0	7	128.26	cps
Bismuth	209-1	4348293	4433435	4409022	4396916	1.00	cps
Bismuth	209-2	4109246	4055947	4016549	4060581	1.15	cps
Bromine	81-1	10220	9900	10324	10148	2.18	cps
Bromine	81-2	357	310	300	322	9.39	cps
Cadmium	108-1	7	0	10	6	91.64	cps
Cadmium	106-1	1957	1990	1910	1952	2.06	cps
Cadmium	111-1	1378	1400	1333	1371	2.47	cps
Calcium	43-1	327	403	307	346	14.77	cps
Calcium	44-1	38927	41119	40501	40182	2.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1777	1780	1793	1783	0.49	cps
Cobalt	59-2	67	83	57	69	19.55	cps
Copper	63-2	1837	1837	1623	1766	6.98	cps
Dysprosium	156-1	3	3	3	3	0.00	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	53	47	33	44	22.92	cps
Erbium	164-2	27	33	27	29	13.31	cps
Gadolinium	160-1	30	23	40	31	26.97	cps
Gadolinium	160-2	393	373	267	344	19.77	cps
Holmium	165-1	6994176	7103732	7130687	7076198	1.02	cps
Holmium	165-2	5520111	5584906	5530043	5545020	0.63	cps
Indium	115-1	6125089	6020744	6007990	6051274	1.06	cps
Indium	115-2	2479007	2506914	2522366	2502763	0.88	cps
Iron	56-2	19963	20411	20705	20360	1.83	cps
Iron	57-2	1367	1560	1540	1489	7.14	cps
Iron	54-2	2707	2564	2820	2697	4.77	cps
Krypton	83-1	497	477	487	487	2.05	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BL	Instrumnet Name :	P7
Client Sample ID :	PB168856BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:14:54	DataFile Name :	070CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	487	547	503	512	6.05	cps
Lead	207-1	450	463	367	427	12.28	cps
Lead	208-1	2053	2143	1940	2046	4.98	cps
Lithium	6-1	448805	456396	449101	451434	0.95	cps
Magnesium	24-2	267	260	230	252	7.74	cps
Manganese	55-2	953	943	1007	968	3.52	cps
Molybdenum	94-1	310	307	277	298	6.17	cps
Molybdenum	95-1	200	177	273	217	23.28	cps
Molybdenum	96-1	190	253	227	223	14.24	cps
Molybdenum	97-1	133	180	203	172	20.70	cps
Molybdenum	98-1	297	233	260	263	12.07	cps
Neodymium	150-1	0	20	13	11	91.66	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	483	484	455	474	3.45	cps
Phosphorus	31-2	490	573	493	519	9.09	cps
Potassium	39-2	72605	72532	72223	72453	0.28	cps
Rhodium	103-1	6040164	6119854	6082255	6080758	0.66	cps
Rhodium	103-2	4000488	4077897	4024209	4034198	0.98	cps
Scandium	45-1	3820763	3891562	3787312	3833212	1.39	cps
Scandium	45-2	330156	331174	332216	331182	0.31	cps
Selenium	82-1	337	351	315	334	5.43	cps
Selenium	77-2	7	10	0	6	91.64	cps
Selenium	78-2	517	487	487	497	3.49	cps
Silicon	28-1	580583	596478	585959	587673	1.38	cps
Silver	107-1	204	120	94	139	41.23	cps
Silver	109-1	137	93	93	108	23.22	cps
Sodium	23-2	58149	57888	56965	57668	1.08	cps
Strontium	86-1	837	883	763	828	7.31	cps
Strontium	88-1	187	153	170	170	9.80	cps
Sulfur	34-1	175818	177909	174369	176032	1.01	cps
Terbium	159-1	7200810	7256447	7255639	7237632	0.44	cps
Terbium	159-2	5546838	5453423	5460276	5486846	0.95	cps
Thallium	203-1	157	250	210	206	22.78	cps
Thallium	205-1	523	466	446	478	8.32	cps
Tin	118-1	1880	1707	1853	1813	5.15	cps
Titanium	47-1	77	80	77	78	2.47	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BL	Instrumnet Name :	P7
Client Sample ID :	PB168856BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:14:54	DataFile Name :	070CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	27	23	23	14.29	cps
Vanadium	51-2	13	17	7	12	41.65	cps
Yttrium	89-1	9488253	9710042	9579919	9592738	1.16	cps
Yttrium	89-2	2965839	3041839	2968627	2992102	1.44	cps
Zinc	66-2	1377	1347	1553	1426	7.83	cps
Zirconium	90-1	377	457	523	452	16.24	cps
Zirconium	91-1	87	73	97	86	13.69	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BS	Instrumnet Name :	P7
Client Sample ID :	PB168856BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:18:10	DataFile Name :	071LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2124816	2113650	2032187	2090218	2.42	cps
Antimony	121-1	3413059	3502955	3463025	3459680	1.30	cps
Arsenic	75-2	224938	225329	221791	224019	0.87	cps
Barium	135-1	4239537	4202816	4221020	4221124	0.43	cps
Barium	137-1	7281763	7261274	7379728	7307588	0.87	cps
Beryllium	9-1	493793	507647	513681	505040	2.02	cps
Bismuth	209-1	4474830	4546610	4578057	4533166	1.17	cps
Bismuth	209-2	4219425	3939212	4130350	4096329	3.50	cps
Bromine	81-1	9990	9947	10033	9990	0.43	cps
Bromine	81-2	217	273	283	258	13.95	cps
Cadmium	108-1	60345	60676	62132	61051	1.56	cps
Cadmium	106-1	86583	87253	87586	87141	0.59	cps
Cadmium	111-1	846271	847831	853624	849242	0.46	cps
Calcium	43-1	894234	904115	914978	904442	1.15	cps
Calcium	44-1	16674302	16350353	16545301	16523319	0.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1866082	1869205	1872777	1869355	0.18	cps
Cobalt	59-2	3023165	2963215	2924248	2970209	1.68	cps
Copper	63-2	21517246	21180371	20758048	21151888	1.80	cps
Dysprosium	156-1	110	90	33	78	51.13	cps
Dysprosium	156-2	267	230	227	241	9.21	cps
Erbium	164-1	133	140	137	137	2.44	cps
Erbium	164-2	103	140	143	129	17.22	cps
Gadolinium	160-1	83	80	100	88	12.21	cps
Gadolinium	160-2	367	413	393	391	5.99	cps
Holmium	165-1	7192813	7195253	7397035	7261700	1.61	cps
Holmium	165-2	5841284	5646899	5682508	5723564	1.81	cps
Indium	115-1	6039427	5914305	6142608	6032113	1.90	cps
Indium	115-2	2603162	2507700	2509526	2540129	2.15	cps
Iron	56-2	87479085	89639702	88009615	88376134	1.27	cps
Iron	57-2	2250755	2256183	2197776	2234905	1.44	cps
Iron	54-2	4866365	4926076	4785706	4859382	1.45	cps
Krypton	83-1	550	533	507	530	4.12	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BS	Instrumnet Name :	P7
Client Sample ID :	PB168856BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:18:10	DataFile Name :	071LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13258896	13317385	13234163	13270148	0.32	cps
Lead	207-1	11442826	11657575	11454096	11518165	1.05	cps
Lead	208-1	52245664	53359747	52788308	52797906	1.06	cps
Lithium	6-1	460691	467773	468987	465817	0.96	cps
Magnesium	24-2	18075408	17905588	17908829	17963275	0.54	cps
Manganese	55-2	14646179	14848959	14333915	14609684	1.78	cps
Molybdenum	94-1	13020757	12941129	13139661	13033849	0.77	cps
Molybdenum	95-1	18462892	18520536	18762911	18582113	0.86	cps
Molybdenum	96-1	20121079	20080033	20281571	20160894	0.53	cps
Molybdenum	97-1	11540459	11438754	11612163	11530458	0.76	cps
Molybdenum	98-1	29316283	30034450	30020068	29790267	1.38	cps
Neodymium	150-1	183	150	163	166	10.14	cps
Neodymium	150-2	60	50	57	56	9.17	cps
Nickel	60-2	947501	931250	928744	935832	1.09	cps
Phosphorus	31-2	101098	100531	98854	100161	1.17	cps
Potassium	39-2	10349702	10111628	10124113	10195148	1.31	cps
Rhodium	103-1	6003425	6026830	6070956	6033737	0.57	cps
Rhodium	103-2	4092090	4017822	4057895	4055936	0.92	cps
Scandium	45-1	3865201	3837944	3855097	3852748	0.36	cps
Scandium	45-2	345467	337750	341075	341430	1.13	cps
Selenium	82-1	67810	68852	67749	68137	0.91	cps
Selenium	77-2	7865	7449	7916	7743	3.31	cps
Selenium	78-2	26634	25739	26437	26270	1.79	cps
Silicon	28-1	22947331	22905295	23233291	23028639	0.78	cps
Silver	107-1	4779386	4804123	4891802	4825104	1.22	cps
Silver	109-1	4429471	4413708	4585091	4476090	2.12	cps
Sodium	23-2	27448579	27021315	27030388	27166760	0.90	cps
Strontium	86-1	981291	999198	1000704	993731	1.09	cps
Strontium	88-1	9987332	10305704	10060823	10117953	1.65	cps
Sulfur	34-1	443196	442316	441612	442374	0.18	cps
Terbium	159-1	7474410	7329639	7530948	7444999	1.39	cps
Terbium	159-2	5643991	5612276	5602643	5619637	0.38	cps
Thallium	203-1	3197621	3252553	3251220	3233798	0.97	cps
Thallium	205-1	7504106	7504296	7517239	7508547	0.10	cps
Tin	118-1	2998274	3009431	2956477	2988060	0.93	cps
Titanium	47-1	5059648	4914086	4979981	4984572	1.46	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856BS	Instrumnet Name :	P7
Client Sample ID :	PB168856BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 16:18:10	DataFile Name :	071LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9632241	9939166	10023314	9864907	2.09	cps
Vanadium	51-2	1561323	1600943	1562682	1574983	1.43	cps
Yttrium	89-1	9908861	10073218	9948850	9976976	0.86	cps
Yttrium	89-2	3075258	2984195	3044121	3034525	1.53	cps
Zinc	66-2	3830385	3805869	3777327	3804527	0.70	cps
Zirconium	90-1	6336409	6471422	6438042	6415291	1.10	cps
Zirconium	91-1	1387316	1420051	1434217	1413861	1.70	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 16:27:16	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	762646	761753	760238	761546	0.16	cps
Antimony	121-1	130	180	153	154	16.20	cps
Arsenic	75-2	1314	1356	1449	1373	5.05	cps
Barium	135-1	7756	7922	7822	7833	1.07	cps
Barium	137-1	13613	13567	14084	13755	2.08	cps
Beryllium	9-1	585	612	688	628	8.50	cps
Bismuth	209-1	4349292	4595643	4518910	4487948	2.81	cps
Bismuth	209-2	4072305	4016341	4052159	4046935	0.70	cps
Bromine	81-1	12158	12365	11748	12091	2.60	cps
Bromine	81-2	743	683	813	747	8.71	cps
Cadmium	108-1	70	63	40	58	27.26	cps
Cadmium	106-1	2344	2257	2304	2301	1.88	cps
Cadmium	111-1	2175	2149	2158	2160	0.61	cps
Calcium	43-1	202562	209991	205409	205987	1.82	cps
Calcium	44-1	3731207	3799935	3813173	3781439	1.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8943	9113	9063	9039	0.97	cps
Cobalt	59-2	50726	52545	51190	51487	1.84	cps
Copper	63-2	70783	70797	68881	70154	1.57	cps
Dysprosium	156-1	20288	19761	20765	20271	2.48	cps
Dysprosium	156-2	21907	21463	21417	21596	1.25	cps
Erbium	164-1	19928	20912	20685	20509	2.51	cps
Erbium	164-2	15943	16209	15819	15990	1.25	cps
Gadolinium	160-1	20028	19490	20205	19908	1.87	cps
Gadolinium	160-2	16076	16196	15585	15953	2.03	cps
Holmium	165-1	7281513	7140428	7643977	7355306	3.53	cps
Holmium	165-2	5586336	5602825	5659957	5616373	0.69	cps
Indium	115-1	6146590	5979370	6225734	6117231	2.06	cps
Indium	115-2	2462280	2457321	2428522	2449374	0.74	cps
Iron	56-2	2751058	2814571	2739664	2768431	1.46	cps
Iron	57-2	67959	66694	67658	67437	0.98	cps
Iron	54-2	135742	138750	137040	137177	1.10	cps
Krypton	83-1	550	600	537	562	5.94	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 16:27:16	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17341	17952	18209	17834	2.50	cps
Lead	207-1	14441	14097	14788	14442	2.39	cps
Lead	208-1	66540	68789	68721	68017	1.88	cps
Lithium	6-1	440747	455939	450986	449224	1.72	cps
Magnesium	24-2	448381	454208	453192	451927	0.69	cps
Manganese	55-2	1943864	1944742	1948977	1945861	0.14	cps
Molybdenum	94-1	583	510	523	539	7.25	cps
Molybdenum	95-1	293	340	330	321	7.65	cps
Molybdenum	96-1	433	333	427	398	14.06	cps
Molybdenum	97-1	160	247	180	196	23.21	cps
Molybdenum	98-1	423	337	447	402	14.41	cps
Neodymium	150-1	29875	30827	30092	30265	1.65	cps
Neodymium	150-2	20021	19991	20275	20096	0.78	cps
Nickel	60-2	14896	15483	14911	15096	2.22	cps
Phosphorus	31-2	4431	4347	4191	4323	2.82	cps
Potassium	39-2	721009	733580	720176	724922	1.04	cps
Rhodium	103-1	6165453	5887628	6183928	6079003	2.73	cps
Rhodium	103-2	3992909	3989768	3993768	3992148	0.05	cps
Scandium	45-1	3720899	3774250	3768813	3754654	0.78	cps
Scandium	45-2	327632	326731	327042	327135	0.14	cps
Selenium	82-1	324	260	364	316	16.65	cps
Selenium	77-2	73	117	97	96	22.70	cps
Selenium	78-2	533	543	553	543	1.84	cps
Silicon	28-1	7945952	7900743	8043182	7963292	0.91	cps
Silver	107-1	325	315	278	306	8.12	cps
Silver	109-1	150	127	150	142	9.47	cps
Sodium	23-2	264830	265199	262014	264014	0.66	cps
Strontium	86-1	98544	96853	100420	98606	1.81	cps
Strontium	88-1	846085	861969	853134	853729	0.93	cps
Sulfur	34-1	614771	603033	616381	611395	1.19	cps
Terbium	159-1	7500172	7146883	7672695	7439917	3.60	cps
Terbium	159-2	5553072	5449686	5477101	5493286	0.98	cps
Thallium	203-1	410	387	417	404	3.89	cps
Thallium	205-1	557	673	611	614	9.45	cps
Tin	118-1	1980	1893	1957	1943	2.31	cps
Titanium	47-1	763	637	720	707	9.11	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-16 16:27:16	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13817	13187	13447	13484	2.35	cps
Vanadium	51-2	14767	15368	14711	14949	2.44	cps
Yttrium	89-1	10047412	10347352	10253730	10216164	1.50	cps
Yttrium	89-2	3026727	3044187	3057945	3042953	0.51	cps
Zinc	66-2	48763	48759	48308	48610	0.54	cps
Zirconium	90-1	1010	977	1050	1012	3.63	cps
Zirconium	91-1	220	180	213	204	10.48	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:30:29	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4351332	4270468	4286633	4302811	0.99	cps
Antimony	121-1	571178	582103	592197	581826	1.81	cps
Arsenic	75-2	54255	54486	53701	54147	0.75	cps
Barium	135-1	643027	661808	664908	656581	1.80	cps
Barium	137-1	1124048	1143096	1160031	1142392	1.58	cps
Beryllium	9-1	100231	102775	101534	101513	1.25	cps
Bismuth	209-1	4303027	4440448	4459117	4400864	1.94	cps
Bismuth	209-2	4000607	3957464	3948723	3968932	0.70	cps
Bromine	81-1	14551	15238	15945	15245	4.57	cps
Bromine	81-2	1900	1920	2090	1970	5.30	cps
Cadmium	108-1	11651	11875	11808	11778	0.97	cps
Cadmium	106-1	18609	18969	19293	18957	1.81	cps
Cadmium	111-1	167832	169335	170700	169289	0.85	cps
Calcium	43-1	1188612	1204660	1213124	1202132	1.04	cps
Calcium	44-1	19809212	19547764	19631797	19662924	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	335524	342321	343048	340298	1.22	cps
Cobalt	59-2	712354	730569	721944	721622	1.26	cps
Copper	63-2	4370323	4438032	4394681	4401012	0.78	cps
Dysprosium	156-1	87678	88661	92227	89522	2.67	cps
Dysprosium	156-2	94113	95358	93868	94446	0.85	cps
Erbium	164-1	91896	92722	93980	92866	1.13	cps
Erbium	164-2	73120	72322	72088	72510	0.75	cps
Gadolinium	160-1	85626	87418	88222	87089	1.53	cps
Gadolinium	160-2	71103	71207	70671	70993	0.40	cps
Holmium	165-1	6967145	7284315	7123214	7124891	2.23	cps
Holmium	165-2	5653037	5563536	5573297	5596623	0.88	cps
Indium	115-1	5955763	5915336	5990985	5954028	0.64	cps
Indium	115-2	2392040	2403320	2400602	2398654	0.25	cps
Iron	56-2	27219090	27614572	27734068	27522577	0.98	cps
Iron	57-2	630625	646464	638730	638606	1.24	cps
Iron	54-2	1492738	1537474	1556017	1528743	2.13	cps
Krypton	83-1	603	730	603	646	11.33	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:30:29	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2558783	2654658	2672435	2628626	2.33	cps
Lead	207-1	2289878	2319244	2333688	2314270	0.96	cps
Lead	208-1	10429972	10590390	10784439	10601600	1.67	cps
Lithium	6-1	444301	444020	444144	444155	0.03	cps
Magnesium	24-2	5823708	5788937	5872207	5828284	0.72	cps
Manganese	55-2	11237323	11610505	11576501	11474776	1.80	cps
Molybdenum	94-1	1014010	1019970	1038418	1024133	1.24	cps
Molybdenum	95-1	1111397	1113140	1126591	1117043	0.74	cps
Molybdenum	96-1	1444923	1491396	1508766	1481695	2.23	cps
Molybdenum	97-1	692603	700597	710600	701267	1.29	cps
Molybdenum	98-1	2060246	2056613	2136551	2084470	2.17	cps
Neodymium	150-1	133677	135417	140064	136386	2.42	cps
Neodymium	150-2	89425	90726	89408	89853	0.84	cps
Nickel	60-2	238552	242106	238416	239692	0.87	cps
Phosphorus	31-2	18942	18004	18238	18394	2.65	cps
Potassium	39-2	5088194	5058406	5094510	5080370	0.38	cps
Rhodium	103-1	5840099	5863662	5873259	5859006	0.29	cps
Rhodium	103-2	3926834	3938484	3839951	3901756	1.38	cps
Scandium	45-1	3647410	3612655	3713192	3657752	1.40	cps
Scandium	45-2	321798	323331	327257	324129	0.87	cps
Selenium	82-1	13784	13566	13925	13758	1.32	cps
Selenium	77-2	1850	1623	1897	1790	8.17	cps
Selenium	78-2	5755	5464	5945	5721	4.23	cps
Silicon	28-1	32203115	31511488	32213833	31976145	1.26	cps
Silver	107-1	159692	165587	164765	163348	1.95	cps
Silver	109-1	132375	133903	136288	134189	1.47	cps
Sodium	23-2	6424194	6351153	6388443	6387930	0.57	cps
Strontium	86-1	656889	670430	671992	666437	1.25	cps
Strontium	88-1	6583198	6915812	6858157	6785722	2.62	cps
Sulfur	34-1	2674891	2710577	2661541	2682336	0.95	cps
Terbium	159-1	7371306	7305868	7312872	7330015	0.49	cps
Terbium	159-2	5466755	5605573	5478302	5516877	1.40	cps
Thallium	203-1	510617	521689	528192	520166	1.71	cps
Thallium	205-1	1178164	1184563	1208042	1190256	1.32	cps
Tin	118-1	434967	435179	442980	437709	1.04	cps
Titanium	47-1	3097	3070	3167	3111	1.60	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:30:29	DataFile Name :	075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1967621	2048240	2012208	2009356	2.01	cps
Vanadium	51-2	333958	332098	339330	335129	1.12	cps
Yttrium	89-1	11046773	11248119	11398977	11231290	1.57	cps
Yttrium	89-2	3341943	3473500	3440439	3418627	2.00	cps
Zinc	66-2	865614	854846	855391	858617	0.71	cps
Zirconium	90-1	1043857	1049366	1059842	1051022	0.77	cps
Zirconium	91-1	230711	231639	234443	232264	0.84	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:33:31	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4316797	4199791	4273723	4263437	1.39	cps
Antimony	121-1	586880	600496	592444	593274	1.15	cps
Arsenic	75-2	54141	55379	54915	54811	1.14	cps
Barium	135-1	663465	673429	676987	671294	1.04	cps
Barium	137-1	1157780	1183966	1167257	1169668	1.13	cps
Beryllium	9-1	100713	102688	101074	101491	1.04	cps
Bismuth	209-1	4453789	4478472	4487358	4473206	0.39	cps
Bismuth	209-2	3967496	3948036	3928098	3947877	0.50	cps
Bromine	81-1	15185	16609	16770	16188	5.39	cps
Bromine	81-2	2030	2077	2240	2116	5.21	cps
Cadmium	108-1	11728	12432	12259	12140	3.02	cps
Cadmium	106-1	18942	19934	19266	19381	2.61	cps
Cadmium	111-1	172069	175933	175536	174513	1.22	cps
Calcium	43-1	1211441	1213178	1212445	1212355	0.07	cps
Calcium	44-1	19738686	19929730	19693191	19787202	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	338488	346408	336252	340383	1.57	cps
Cobalt	59-2	721062	725769	731920	726250	0.75	cps
Copper	63-2	4463262	4452372	4453087	4456240	0.14	cps
Dysprosium	156-1	90536	92338	93267	92047	1.51	cps
Dysprosium	156-2	92918	94154	95073	94049	1.15	cps
Erbium	164-1	94581	95591	95205	95126	0.54	cps
Erbium	164-2	71937	71257	72380	71858	0.79	cps
Gadolinium	160-1	89191	90520	89333	89681	0.81	cps
Gadolinium	160-2	70406	70778	70282	70489	0.37	cps
Holmium	165-1	7180365	7217404	7240794	7212854	0.42	cps
Holmium	165-2	5515479	5530005	5457279	5500921	0.70	cps
Indium	115-1	6014662	6061032	6109491	6061728	0.78	cps
Indium	115-2	2374072	2348011	2329258	2350447	0.96	cps
Iron	56-2	27295790	27603255	26938971	27279339	1.22	cps
Iron	57-2	635421	640935	638059	638138	0.43	cps
Iron	54-2	1497333	1532436	1491097	1506955	1.48	cps
Krypton	83-1	690	643	690	674	4.00	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDI	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:33:31	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2679808	2764290	2715674	2719924	1.56	cps
Lead	207-1	2388664	2374558	2432047	2398423	1.25	cps
Lead	208-1	10732858	10896796	10939636	10856430	1.01	cps
Lithium	6-1	441579	445889	440159	442542	0.67	cps
Magnesium	24-2	5861810	5704548	5834522	5800293	1.45	cps
Manganese	55-2	11431405	11576719	11195938	11401354	1.69	cps
Molybdenum	94-1	1040091	1059693	1049935	1049906	0.93	cps
Molybdenum	95-1	1125194	1149008	1149694	1141299	1.22	cps
Molybdenum	96-1	1466512	1521381	1495254	1494382	1.84	cps
Molybdenum	97-1	706460	721648	715270	714459	1.07	cps
Molybdenum	98-1	2109386	2170488	2150553	2143476	1.45	cps
Neodymium	150-1	139435	141540	139695	140223	0.82	cps
Neodymium	150-2	91004	91025	90791	90940	0.14	cps
Nickel	60-2	238166	239437	241134	239579	0.62	cps
Phosphorus	31-2	17710	17747	18104	17854	1.22	cps
Potassium	39-2	5130965	5134016	4989409	5084797	1.62	cps
Rhodium	103-1	5867399	6073114	5879400	5939971	1.94	cps
Rhodium	103-2	3924501	3885849	3803914	3871421	1.59	cps
Scandium	45-1	3673280	3702275	3635232	3670262	0.92	cps
Scandium	45-2	324031	321182	313357	319523	1.73	cps
Selenium	82-1	13608	14039	13903	13850	1.59	cps
Selenium	77-2	1793	1920	1693	1802	6.30	cps
Selenium	78-2	5708	5648	5634	5663	0.69	cps
Silicon	28-1	32091965	32886459	32521332	32499918	1.22	cps
Silver	107-1	163094	168046	167259	166133	1.60	cps
Silver	109-1	134415	137007	138798	136740	1.61	cps
Sodium	23-2	6385634	6315354	6651422	6450803	2.75	cps
Strontium	86-1	668370	685534	677585	677163	1.27	cps
Strontium	88-1	6740765	6929299	6861679	6843915	1.40	cps
Sulfur	34-1	2679753	2732806	2681526	2698028	1.12	cps
Terbium	159-1	7465810	7523437	7504284	7497844	0.39	cps
Terbium	159-2	5453686	5392022	5352327	5399345	0.95	cps
Thallium	203-1	534716	536369	540637	537241	0.57	cps
Thallium	205-1	1207772	1241607	1233126	1227502	1.43	cps
Tin	118-1	442930	451926	451510	448789	1.13	cps
Titanium	47-1	3074	3244	2870	3063	6.10	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:33:31	DataFile Name :	076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2039318	2078311	2081461	2066363	1.14	cps
Vanadium	51-2	339511	336659	331427	335866	1.22	cps
Yttrium	89-1	11377345	11409933	11425028	11404102	0.21	cps
Yttrium	89-2	3347371	3357527	3262943	3322614	1.56	cps
Zinc	66-2	851979	861231	868261	860490	0.95	cps
Zirconium	90-1	1048668	1081294	1074339	1068100	1.61	cps
Zirconium	91-1	233482	241029	238793	237768	1.63	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:36:28	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4320787	4390498	4339430	4350238	0.83	cps
Antimony	121-1	589795	593873	604508	596059	1.27	cps
Arsenic	75-2	54457	55871	56456	55595	1.85	cps
Barium	135-1	667300	673023	682997	674440	1.18	cps
Barium	137-1	1166134	1171865	1176517	1171506	0.44	cps
Beryllium	9-1	99912	100190	102520	100874	1.42	cps
Bismuth	209-1	4390062	4395099	4444860	4410007	0.69	cps
Bismuth	209-2	3962667	4016716	3944769	3974717	0.94	cps
Bromine	81-1	15395	16766	17524	16562	6.52	cps
Bromine	81-2	2150	2104	2257	2170	3.62	cps
Cadmium	108-1	12269	12409	12682	12453	1.69	cps
Cadmium	106-1	19730	19356	19520	19535	0.96	cps
Cadmium	111-1	174256	176516	175191	175321	0.65	cps
Calcium	43-1	1222699	1260994	1227078	1236924	1.69	cps
Calcium	44-1	19269526	20140347	19837497	19749123	2.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	349102	345914	339798	344938	1.37	cps
Cobalt	59-2	736067	733835	736589	735497	0.20	cps
Copper	63-2	4434356	4518008	4534718	4495694	1.20	cps
Dysprosium	156-1	89882	92925	93119	91976	1.97	cps
Dysprosium	156-2	95935	97459	95103	96166	1.24	cps
Erbium	164-1	94719	95913	97209	95947	1.30	cps
Erbium	164-2	72842	74779	73395	73672	1.35	cps
Gadolinium	160-1	89534	90524	89775	89944	0.57	cps
Gadolinium	160-2	73284	72989	71873	72715	1.02	cps
Holmium	165-1	7091398	7156994	7250040	7166144	1.11	cps
Holmium	165-2	5473502	5618152	5526097	5539250	1.32	cps
Indium	115-1	5943273	5927178	6101603	5990684	1.61	cps
Indium	115-2	2418427	2361317	2362657	2380800	1.37	cps
Iron	56-2	28129624	27612179	27663223	27801675	1.03	cps
Iron	57-2	645081	635832	636701	639205	0.80	cps
Iron	54-2	1584546	1517603	1532470	1544873	2.28	cps
Krypton	83-1	587	683	713	661	10.01	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:36:28	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2672079	2725033	2791836	2729649	2.20	cps
Lead	207-1	2327744	2367366	2438355	2377822	2.36	cps
Lead	208-1	10752570	10779513	11110674	10880919	1.83	cps
Lithium	6-1	435073	436477	438575	436708	0.40	cps
Magnesium	24-2	5849304	5992981	5806452	5882912	1.66	cps
Manganese	55-2	11828266	11512520	11264563	11535116	2.45	cps
Molybdenum	94-1	1040756	1053084	1059439	1051093	0.90	cps
Molybdenum	95-1	1137253	1156170	1159278	1150900	1.04	cps
Molybdenum	96-1	1500242	1532551	1513572	1515455	1.07	cps
Molybdenum	97-1	713791	723266	725080	720713	0.84	cps
Molybdenum	98-1	2168934	2157932	2148755	2158540	0.47	cps
Neodymium	150-1	139098	142462	143121	141560	1.52	cps
Neodymium	150-2	91937	91985	91800	91907	0.10	cps
Nickel	60-2	241860	244451	240971	242427	0.75	cps
Phosphorus	31-2	18685	18835	17914	18478	2.67	cps
Potassium	39-2	5203080	5155651	5002204	5120312	2.05	cps
Rhodium	103-1	5885874	5977774	5837835	5900494	1.21	cps
Rhodium	103-2	3972328	3951801	3802791	3908973	2.37	cps
Scandium	45-1	3596903	3688989	3693488	3659793	1.49	cps
Scandium	45-2	326614	320846	316201	321220	1.62	cps
Selenium	82-1	13790	13487	13955	13744	1.73	cps
Selenium	77-2	1813	1800	1890	1835	2.65	cps
Selenium	78-2	5708	6155	5681	5848	4.55	cps
Silicon	28-1	31848588	31882731	32830246	32187188	1.73	cps
Silver	107-1	165195	167911	168148	167085	0.98	cps
Silver	109-1	135622	137216	137968	136935	0.87	cps
Sodium	23-2	6492106	6596172	6557808	6548695	0.80	cps
Strontium	86-1	668915	677970	683592	676826	1.09	cps
Strontium	88-1	6835292	7016513	7018023	6956609	1.51	cps
Sulfur	34-1	2666792	2733571	2761951	2720771	1.80	cps
Terbium	159-1	7184043	7431843	7423506	7346464	1.92	cps
Terbium	159-2	5473608	5499877	5502374	5491953	0.29	cps
Thallium	203-1	529237	532616	542657	534837	1.31	cps
Thallium	205-1	1208824	1216919	1249407	1225050	1.75	cps
Tin	118-1	447711	450066	453384	450387	0.63	cps
Titanium	47-1	3114	3184	3034	3110	2.41	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:36:28	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2099247	2036633	2130931	2088937	2.30	cps
Vanadium	51-2	344485	341172	333991	339882	1.58	cps
Yttrium	89-1	11379105	11294498	11333656	11335753	0.37	cps
Yttrium	89-2	3443667	3317147	3255933	3338916	2.87	cps
Zinc	66-2	879467	885358	875594	880140	0.56	cps
Zirconium	90-1	1061504	1074833	1088869	1075069	1.27	cps
Zirconium	91-1	236180	238000	240288	238156	0.86	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:42:39	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4299148	4189537	4144666	4211117	1.89	cps
Antimony	121-1	303	287	303	298	3.23	cps
Arsenic	75-2	6558	6467	6632	6553	1.26	cps
Barium	135-1	38017	38967	38592	38525	1.24	cps
Barium	137-1	67268	67047	67057	67124	0.19	cps
Beryllium	9-1	2866	3015	3267	3049	6.64	cps
Bismuth	209-1	4595914	4413330	4535830	4515025	2.06	cps
Bismuth	209-2	4040962	3978984	3911948	3977298	1.62	cps
Bromine	81-1	15075	15805	16596	15825	4.81	cps
Bromine	81-2	1937	1903	1857	1899	2.12	cps
Cadmium	108-1	270	263	203	246	14.95	cps
Cadmium	106-1	2860	2830	2697	2796	3.11	cps
Cadmium	111-1	4947	4957	4809	4904	1.69	cps
Calcium	43-1	997393	992338	1004976	998236	0.64	cps
Calcium	44-1	18143648	17952307	18320157	18138704	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36163	36578	35826	36189	1.04	cps
Cobalt	59-2	253455	249913	246260	249876	1.44	cps
Copper	63-2	334996	327966	330107	331023	1.09	cps
Dysprosium	156-1	100067	99291	99627	99662	0.39	cps
Dysprosium	156-2	102881	103381	102263	102842	0.54	cps
Erbium	164-1	104292	101989	103180	103154	1.12	cps
Erbium	164-2	78851	79438	78110	78800	0.84	cps
Gadolinium	160-1	97406	96765	97674	97282	0.48	cps
Gadolinium	160-2	77155	75570	77795	76840	1.49	cps
Holmium	165-1	7533412	7341390	7378601	7417801	1.37	cps
Holmium	165-2	5683119	5623604	5478325	5595016	1.88	cps
Indium	115-1	6144418	5954069	6033392	6043960	1.58	cps
Indium	115-2	2447819	2393873	2330763	2390818	2.45	cps
Iron	56-2	13317242	13332054	13190199	13279832	0.59	cps
Iron	57-2	319908	316092	319132	318378	0.63	cps
Iron	54-2	663009	651932	647174	654038	1.24	cps
Krypton	83-1	677	633	770	693	10.07	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:42:39	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	86403	85873	86588	86288	0.43	cps
Lead	207-1	70670	69336	70113	70040	0.96	cps
Lead	208-1	330802	325629	328664	328365	0.79	cps
Lithium	6-1	443108	432143	432262	435838	1.44	cps
Magnesium	24-2	2543339	2530547	2505614	2526500	0.76	cps
Manganese	55-2	9374666	9496393	9352968	9408009	0.82	cps
Molybdenum	94-1	1490	1557	1470	1506	3.01	cps
Molybdenum	95-1	600	560	543	568	5.13	cps
Molybdenum	96-1	800	880	780	820	6.45	cps
Molybdenum	97-1	317	307	310	311	1.64	cps
Molybdenum	98-1	610	630	630	623	1.85	cps
Neodymium	150-1	152138	150454	153308	151967	0.94	cps
Neodymium	150-2	98887	97833	99357	98692	0.79	cps
Nickel	60-2	73112	71331	70127	71523	2.10	cps
Phosphorus	31-2	19226	19019	19205	19150	0.60	cps
Potassium	39-2	3561318	3544245	3571927	3559163	0.39	cps
Rhodium	103-1	6034357	5789025	6098607	5973996	2.73	cps
Rhodium	103-2	3963907	3973223	3877603	3938244	1.34	cps
Scandium	45-1	3731648	3577186	3655089	3654641	2.11	cps
Scandium	45-2	326492	319971	314511	320325	1.87	cps
Selenium	82-1	475	621	472	523	16.26	cps
Selenium	77-2	427	403	433	421	3.74	cps
Selenium	78-2	850	913	903	889	3.83	cps
Silicon	28-1	34373709	34068487	34415704	34285967	0.55	cps
Silver	107-1	976	968	890	945	5.05	cps
Silver	109-1	247	303	230	260	14.79	cps
Sodium	23-2	1296135	1270708	1279680	1282174	1.01	cps
Strontium	86-1	477613	478687	482964	479755	0.59	cps
Strontium	88-1	4880183	4950470	4992391	4941015	1.15	cps
Sulfur	34-1	2850273	2821719	2894555	2855516	1.29	cps
Terbium	159-1	7555433	7358462	7453774	7455890	1.32	cps
Terbium	159-2	5461572	5493042	5383573	5446062	1.03	cps
Thallium	203-1	1093	1040	1037	1057	3.01	cps
Thallium	205-1	1156	1250	1308	1238	6.20	cps
Tin	118-1	2024	1960	2017	2000	1.74	cps
Titanium	47-1	2870	3084	3064	3006	3.92	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:42:39	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67233	66513	66630	66792	0.58	cps
Vanadium	51-2	72989	72118	72443	72517	0.61	cps
Yttrium	89-1	11637036	11272099	11485020	11464718	1.60	cps
Yttrium	89-2	3459757	3456595	3345350	3420567	1.90	cps
Zinc	66-2	232247	228501	226432	229060	1.29	cps
Zirconium	90-1	3684	3650	3804	3713	2.17	cps
Zirconium	91-1	693	820	767	760	8.37	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:46:16	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4302008	4163663	4257341	4241004	1.66	cps
Antimony	121-1	353	520	253	376	35.87	cps
Arsenic	75-2	6881	6413	6634	6643	3.52	cps
Barium	135-1	38957	38368	38963	38763	0.88	cps
Barium	137-1	66213	66485	66839	66512	0.47	cps
Beryllium	9-1	2862	2934	2931	2909	1.41	cps
Bismuth	209-1	4370541	4375515	4347710	4364589	0.34	cps
Bismuth	209-2	3917463	3849221	3842998	3869894	1.07	cps
Bromine	81-1	14717	15955	16693	15789	6.32	cps
Bromine	81-2	1970	1913	2040	1975	3.21	cps
Cadmium	108-1	213	227	207	216	4.72	cps
Cadmium	106-1	2770	2637	2754	2720	2.67	cps
Cadmium	111-1	4767	4921	4757	4815	1.91	cps
Calcium	43-1	996122	995234	999332	996896	0.22	cps
Calcium	44-1	18407473	17988347	17975649	18123823	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36254	36401	36431	36362	0.26	cps
Cobalt	59-2	249957	251767	251314	251012	0.38	cps
Copper	63-2	334684	334158	330714	333185	0.65	cps
Dysprosium	156-1	99064	100128	100003	99732	0.58	cps
Dysprosium	156-2	102555	102004	101571	102043	0.48	cps
Erbium	164-1	104867	103725	102939	103844	0.93	cps
Erbium	164-2	78924	78882	77862	78556	0.77	cps
Gadolinium	160-1	95980	97194	97359	96844	0.78	cps
Gadolinium	160-2	77396	76474	77295	77055	0.66	cps
Holmium	165-1	7161302	7119306	7072659	7117756	0.62	cps
Holmium	165-2	5510713	5311676	5327937	5383442	2.05	cps
Indium	115-1	5818304	5884492	5830963	5844587	0.60	cps
Indium	115-2	2311801	2316256	2294491	2307516	0.50	cps
Iron	56-2	13334262	13420715	13132283	13295754	1.11	cps
Iron	57-2	318186	321944	322646	320925	0.75	cps
Iron	54-2	654658	651145	652849	652884	0.27	cps
Krypton	83-1	700	717	693	703	1.71	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:46:16	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	86446	88926	86936	87436	1.50	cps
Lead	207-1	69219	71082	70797	70366	1.43	cps
Lead	208-1	329048	334322	330701	331357	0.81	cps
Lithium	6-1	421965	421931	420030	421308	0.26	cps
Magnesium	24-2	2521776	2542233	2517534	2527181	0.52	cps
Manganese	55-2	9497678	9472512	9327926	9432705	0.97	cps
Molybdenum	94-1	1580	2524	1537	1880	29.67	cps
Molybdenum	95-1	670	1824	543	1012	69.69	cps
Molybdenum	96-1	943	2334	823	1367	61.42	cps
Molybdenum	97-1	380	1417	333	710	86.27	cps
Molybdenum	98-1	897	3095	683	1558	85.66	cps
Neodymium	150-1	153459	152043	152754	152752	0.46	cps
Neodymium	150-2	98619	99636	98733	98996	0.56	cps
Nickel	60-2	72014	71786	71337	71712	0.48	cps
Phosphorus	31-2	19659	18758	19753	19390	2.83	cps
Potassium	39-2	3623054	3571779	3588528	3594454	0.73	cps
Rhodium	103-1	5777884	5678158	5662175	5706072	1.10	cps
Rhodium	103-2	3757806	3752156	3693626	3734529	0.95	cps
Scandium	45-1	3593526	3476495	3467050	3512357	2.01	cps
Scandium	45-2	307911	305940	304106	305986	0.62	cps
Selenium	82-1	474	453	514	481	6.44	cps
Selenium	77-2	440	363	430	411	10.14	cps
Selenium	78-2	857	870	860	862	0.81	cps
Silicon	28-1	34401175	34329940	34612180	34447765	0.43	cps
Silver	107-1	868	901	921	897	2.96	cps
Silver	109-1	197	210	227	211	7.12	cps
Sodium	23-2	1260105	1292716	1261378	1271400	1.45	cps
Strontium	86-1	477129	472165	481334	476876	0.96	cps
Strontium	88-1	4805551	4827442	4924620	4852538	1.31	cps
Sulfur	34-1	2802768	2885785	2911962	2866838	1.99	cps
Terbium	159-1	7354237	7224845	7198820	7259301	1.15	cps
Terbium	159-2	5383723	5331466	5286138	5333776	0.92	cps
Thallium	203-1	1100	1260	980	1113	12.62	cps
Thallium	205-1	1147	1676	945	1256	30.06	cps
Tin	118-1	2114	2244	2094	2150	3.79	cps
Titanium	47-1	2974	3027	2834	2945	3.39	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 16:46:16	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	66827	68053	66760	67214	1.08	cps
Vanadium	51-2	71937	71582	72470	71996	0.62	cps
Yttrium	89-1	11101792	10975892	11234931	11104205	1.17	cps
Yttrium	89-2	3300030	3333971	3267214	3300405	1.01	cps
Zinc	66-2	227012	229485	227533	228010	0.57	cps
Zirconium	90-1	3767	3691	3530	3663	3.30	cps
Zirconium	91-1	743	877	740	787	9.91	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:02:50	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10289992	10351300	10237304	10292866	0.55	cps
Antimony	121-1	3332945	3421001	3384988	3379645	1.31	cps
Arsenic	75-2	215923	217617	215374	216305	0.54	cps
Barium	135-1	4213005	4168361	4225000	4202122	0.71	cps
Barium	137-1	7165280	7236455	7242646	7214794	0.60	cps
Beryllium	9-1	478885	480342	482155	480460	0.34	cps
Bismuth	209-1	4139319	4163794	4122836	4141983	0.50	cps
Bismuth	209-2	3703183	3617542	3702476	3674400	1.34	cps
Bromine	81-1	10307	10290	10440	10346	0.80	cps
Bromine	81-2	270	243	280	264	7.17	cps
Cadmium	108-1	60586	61319	60770	60892	0.63	cps
Cadmium	106-1	85590	85443	86120	85718	0.42	cps
Cadmium	111-1	826217	835070	847067	836118	1.25	cps
Calcium	43-1	5222058	5206753	5025719	5151510	2.12	cps
Calcium	44-1	84571447	84207642	84133370	84304153	0.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1819468	1811648	1853393	1828170	1.21	cps
Cobalt	59-2	2852944	2825742	2849274	2842653	0.52	cps
Copper	63-2	20856928	21032579	21065319	20984942	0.53	cps
Dysprosium	156-1	210	190	193	198	5.42	cps
Dysprosium	156-2	333	340	350	341	2.46	cps
Erbium	164-1	477	390	390	419	11.95	cps
Erbium	164-2	307	297	323	309	4.36	cps
Gadolinium	160-1	210	233	177	207	13.78	cps
Gadolinium	160-2	437	477	467	460	4.53	cps
Holmium	165-1	6882315	6859801	6859897	6867338	0.19	cps
Holmium	165-2	5437320	5457031	5396640	5430330	0.57	cps
Indium	115-1	5712896	5677679	5676953	5689176	0.36	cps
Indium	115-2	2339533	2395071	2346697	2360434	1.28	cps
Iron	56-2	446825820	450915447	448928460	448889909	0.46	cps
Iron	57-2	11093382	11147833	11218155	11153123	0.56	cps
Iron	54-2	24287645	24432276	24291920	24337280	0.34	cps
Krypton	83-1	507	610	487	534	12.39	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:02:50	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12855069	12659151	12818681	12777634	0.82	cps
Lead	207-1	11141501	10949712	11131342	11074185	0.97	cps
Lead	208-1	51004334	50260720	50684370	50649808	0.74	cps
Lithium	6-1	424223	419338	421446	421669	0.58	cps
Magnesium	24-2	90062345	88803405	90215842	89693864	0.86	cps
Manganese	55-2	14174316	14326548	14367283	14289382	0.71	cps
Molybdenum	94-1	12970414	13139612	13147431	13085819	0.76	cps
Molybdenum	95-1	18373861	18690976	18550021	18538286	0.86	cps
Molybdenum	96-1	20196394	20768008	20247599	20404000	1.55	cps
Molybdenum	97-1	11620500	11673461	11554721	11616227	0.51	cps
Molybdenum	98-1	30065184	29727396	30003963	29932181	0.60	cps
Neodymium	150-1	157	247	237	213	23.12	cps
Neodymium	150-2	110	120	103	111	7.55	cps
Nickel	60-2	890188	891957	897908	893351	0.45	cps
Phosphorus	31-2	96854	98112	98334	97767	0.82	cps
Potassium	39-2	50597669	51851238	50801506	51083471	1.32	cps
Rhodium	103-1	5576117	5572625	5633647	5594130	0.61	cps
Rhodium	103-2	3668291	3698854	3715013	3694053	0.64	cps
Scandium	45-1	3650072	3710333	3674513	3678306	0.82	cps
Scandium	45-2	323504	325526	322293	323774	0.50	cps
Selenium	82-1	63628	64077	64366	64024	0.58	cps
Selenium	77-2	7208	7329	7032	7190	2.08	cps
Selenium	78-2	24931	25322	24764	25006	1.14	cps
Silicon	28-1	23165990	23089103	22856954	23037349	0.70	cps
Silver	107-1	4169859	4299117	5267435	4578803	13.10	cps
Silver	109-1	4164727	4855601	5577338	4865889	14.52	cps
Sodium	23-2	133825468	135627908	134878428	134777268	0.67	cps
Strontium	86-1	998227	1003583	1001072	1000961	0.27	cps
Strontium	88-1	10265679	10239829	10210959	10238822	0.27	cps
Sulfur	34-1	425332	427460	432520	428437	0.86	cps
Terbium	159-1	7193337	7076300	7280932	7183523	1.43	cps
Terbium	159-2	5260470	5276543	5294062	5277025	0.32	cps
Thallium	203-1	3151498	3080284	3195893	3142558	1.86	cps
Thallium	205-1	7442322	7258576	7228923	7309941	1.58	cps
Tin	118-1	2834646	2912872	2954614	2900710	2.10	cps
Titanium	47-1	4928665	5048880	4982772	4986772	1.21	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:02:50	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9598072	9858534	9874323	9776976	1.59	cps
Vanadium	51-2	1576527	1604332	1572537	1584466	1.09	cps
Yttrium	89-1	9675237	9643057	9418660	9578984	1.46	cps
Yttrium	89-2	2871858	2893100	2916232	2893730	0.77	cps
Zinc	66-2	3831486	3689294	3729380	3750053	1.96	cps
Zirconium	90-1	6522544	6405740	6443474	6457253	0.92	cps
Zirconium	91-1	1412050	1417922	1440096	1423356	1.04	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:08:07	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	363	297	347	336	10.34	cps
Antimony	121-1	593	377	500	490	22.18	cps
Arsenic	75-2	4	10	0	5	105.42	cps
Barium	135-1	287	60	40	129	106.31	cps
Barium	137-1	564	73	73	237	119.56	cps
Beryllium	9-1	82	14	7	34	120.44	cps
Bismuth	209-1	4525611	4458825	4341862	4442099	2.09	cps
Bismuth	209-2	4146957	4113908	3986663	4082510	2.07	cps
Bromine	81-1	10497	10254	10304	10351	1.24	cps
Bromine	81-2	250	237	263	250	5.33	cps
Cadmium	108-1	30	7	13	17	72.11	cps
Cadmium	106-1	2080	2107	2090	2092	0.64	cps
Cadmium	111-1	1575	1523	1484	1527	3.00	cps
Calcium	43-1	1090	357	413	620	65.83	cps
Calcium	44-1	51447	38162	38305	42638	17.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1827	1843	1853	1841	0.73	cps
Cobalt	59-2	63	80	87	77	15.68	cps
Copper	63-2	1837	1910	1817	1855	2.65	cps
Dysprosium	156-1	100	3	7	37	149.66	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	53	37	50	47	18.89	cps
Erbium	164-2	37	13	33	28	45.44	cps
Gadolinium	160-1	43	27	33	34	24.35	cps
Gadolinium	160-2	367	363	317	349	8.01	cps
Holmium	165-1	7038917	7087528	7134709	7087051	0.68	cps
Holmium	165-2	5665523	5730872	5580807	5659067	1.33	cps
Indium	115-1	6176189	6152381	6193506	6174025	0.33	cps
Indium	115-2	2577737	2582046	2487783	2549189	2.09	cps
Iron	56-2	23695	23445	23352	23497	0.76	cps
Iron	57-2	1530	1663	1643	1612	4.46	cps
Iron	54-2	3134	2980	2977	3030	2.95	cps
Krypton	83-1	543	510	500	518	4.38	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:08:07	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24905	813	810	8843	157.31	cps
Lead	207-1	1564	667	687	973	52.70	cps
Lead	208-1	29859	2997	3220	12025	128.44	cps
Lithium	6-1	444916	444766	445862	445181	0.13	cps
Magnesium	24-2	647	717	763	709	8.28	cps
Manganese	55-2	1073	1107	1123	1101	2.31	cps
Molybdenum	94-1	1174	413	460	682	62.46	cps
Molybdenum	95-1	37136	370	403	12636	167.91	cps
Molybdenum	96-1	10565	413	463	3814	153.30	cps
Molybdenum	97-1	1100	330	257	562	83.12	cps
Molybdenum	98-1	4848	670	633	2050	118.16	cps
Neodymium	150-1	10	3	0	4	114.60	cps
Neodymium	150-2	10	3	3	6	69.34	cps
Nickel	60-2	492	537	514	515	4.36	cps
Phosphorus	31-2	493	423	403	440	10.74	cps
Potassium	39-2	78712	79623	80605	79647	1.19	cps
Rhodium	103-1	6243107	6089097	6096028	6142744	1.42	cps
Rhodium	103-2	4184482	4097652	4046614	4109583	1.70	cps
Scandium	45-1	3794543	3808599	3820931	3808024	0.35	cps
Scandium	45-2	336796	331932	330956	333228	0.94	cps
Selenium	82-1	489	321	336	382	24.40	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	487	490	550	509	7.00	cps
Silicon	28-1	608219	598563	607882	604888	0.91	cps
Silver	107-1	1705	410	311	809	96.20	cps
Silver	109-1	1600	410	270	760	96.16	cps
Sodium	23-2	57443	60478	61686	59869	3.65	cps
Strontium	86-1	1067	877	863	936	12.16	cps
Strontium	88-1	14293	220	223	4912	165.39	cps
Sulfur	34-1	169286	170556	169431	169758	0.41	cps
Terbium	159-1	7420445	7538515	7535229	7498063	0.90	cps
Terbium	159-2	5563175	5565390	5489662	5539409	0.78	cps
Thallium	203-1	687	320	413	473	40.27	cps
Thallium	205-1	1868	786	776	1143	54.92	cps
Tin	118-1	2107	1730	1913	1917	9.83	cps
Titanium	47-1	7009	90	110	2403	166.00	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:08:07	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	861	47	60	322	144.57	cps
Vanadium	51-2	37	20	27	28	30.20	cps
Yttrium	89-1	10019617	9761719	9761980	9847772	1.51	cps
Yttrium	89-2	3000579	3030900	2975033	3002171	0.93	cps
Zinc	66-2	1447	1537	1437	1473	3.74	cps
Zirconium	90-1	1034	460	543	679	45.64	cps
Zirconium	91-1	617	90	83	264	116.27	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856TB	Instrumnet Name :	P7
Client Sample ID :	PB168856TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:16:02	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	333	280	287	300	9.69	cps
Antimony	121-1	150	133	123	136	9.94	cps
Arsenic	75-2	10	7	4	7	48.54	cps
Barium	135-1	23	43	40	36	30.14	cps
Barium	137-1	47	43	33	41	16.89	cps
Beryllium	9-1	3	3	4	3	1.95	cps
Bismuth	209-1	4578557	4466650	4333828	4459679	2.75	cps
Bismuth	209-2	4095843	3988307	4093970	4059374	1.52	cps
Bromine	81-1	10574	10264	10087	10308	2.39	cps
Bromine	81-2	300	203	277	260	19.40	cps
Cadmium	108-1	10	3	10	8	49.52	cps
Cadmium	106-1	2117	2280	2180	2192	3.76	cps
Cadmium	111-1	1491	1614	1549	1551	3.95	cps
Calcium	43-1	357	330	307	331	7.56	cps
Calcium	44-1	37767	38108	37874	37917	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1847	1767	1673	1762	4.92	cps
Cobalt	59-2	70	63	50	61	16.66	cps
Copper	63-2	1577	1550	1560	1562	0.86	cps
Dysprosium	156-1	0	7	3	3	100.05	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	43	50	63	52	19.50	cps
Erbium	164-2	37	23	37	32	23.90	cps
Gadolinium	160-1	20	40	50	37	41.66	cps
Gadolinium	160-2	347	383	393	374	6.56	cps
Holmium	165-1	7334013	7197121	6953153	7161429	2.69	cps
Holmium	165-2	5537535	5521960	5590491	5549995	0.65	cps
Indium	115-1	6303802	6317429	6170435	6263889	1.30	cps
Indium	115-2	2559573	2521014	2497185	2525924	1.25	cps
Iron	56-2	20451	20628	20758	20612	0.75	cps
Iron	57-2	1577	1473	1503	1518	3.50	cps
Iron	54-2	2860	3057	2937	2951	3.36	cps
Krypton	83-1	527	603	530	553	7.83	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856TB	Instrumnet Name :	P7
Client Sample ID :	PB168856TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:16:02	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	607	627	613	616	1.65	cps
Lead	207-1	540	547	507	531	4.04	cps
Lead	208-1	2490	2413	2340	2415	3.11	cps
Lithium	6-1	457652	446264	442427	448781	1.76	cps
Magnesium	24-2	290	303	280	291	4.02	cps
Manganese	55-2	1007	1063	967	1012	4.80	cps
Molybdenum	94-1	313	263	260	279	10.71	cps
Molybdenum	95-1	227	187	267	227	17.65	cps
Molybdenum	96-1	273	227	263	254	9.66	cps
Molybdenum	97-1	217	167	170	184	15.16	cps
Molybdenum	98-1	303	343	367	338	9.48	cps
Neodymium	150-1	0	13	0	4	173.21	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	420	429	475	441	6.65	cps
Phosphorus	31-2	427	450	437	438	2.67	cps
Potassium	39-2	76364	75667	75918	75983	0.46	cps
Rhodium	103-1	6284373	6275601	6108274	6222749	1.59	cps
Rhodium	103-2	4021261	4051351	4042771	4038461	0.38	cps
Scandium	45-1	3876679	3803301	3736665	3805548	1.84	cps
Scandium	45-2	333273	327128	328743	329715	0.97	cps
Selenium	82-1	344	195	316	285	27.64	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	467	420	477	454	6.66	cps
Silicon	28-1	591721	591055	590912	591229	0.07	cps
Silver	107-1	210	123	150	161	27.52	cps
Silver	109-1	147	113	107	122	17.53	cps
Sodium	23-2	49075	49004	47757	48612	1.52	cps
Strontium	86-1	917	893	863	891	3.00	cps
Strontium	88-1	173	167	190	177	6.80	cps
Sulfur	34-1	173941	173742	173783	173822	0.06	cps
Terbium	159-1	7540111	7423956	7253931	7405999	1.94	cps
Terbium	159-2	5541487	5562799	5481982	5528756	0.76	cps
Thallium	203-1	207	173	237	206	15.41	cps
Thallium	205-1	510	476	483	490	3.60	cps
Tin	118-1	1923	1843	1827	1865	2.77	cps
Titanium	47-1	63	60	63	62	3.09	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	PB168856TB	Instrumnet Name :	P7
Client Sample ID :	PB168856TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:16:02	DataFile Name :	087CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	10	23	16	44.60	cps
Vanadium	51-2	13	10	23	16	44.60	cps
Yttrium	89-1	10034109	10028941	9728789	9930613	1.76	cps
Yttrium	89-2	3054832	2972604	3018250	3015229	1.37	cps
Zinc	66-2	1413	1550	1460	1475	4.71	cps
Zirconium	90-1	407	450	330	396	15.36	cps
Zirconium	91-1	103	83	67	84	21.74	cps

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:19:22	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4905081	4985795	5009191	4966689	1.10	cps
Antimony	121-1	300	340	377	339	11.32	cps
Arsenic	75-2	6614	6703	6964	6760	2.69	cps
Barium	135-1	36483	36072	36443	36333	0.62	cps
Barium	137-1	63287	63742	62899	63309	0.67	cps
Beryllium	9-1	3377	3371	3357	3369	0.31	cps
Bismuth	209-1	4591398	4653730	4434163	4559763	2.48	cps
Bismuth	209-2	4147998	4030265	4216012	4131425	2.27	cps
Bromine	81-1	13947	15408	16219	15191	7.58	cps
Bromine	81-2	2027	1900	2174	2033	6.73	cps
Cadmium	108-1	247	263	307	272	11.38	cps
Cadmium	106-1	3150	3014	3047	3070	2.32	cps
Cadmium	111-1	5590	5462	5389	5480	1.86	cps
Calcium	43-1	847045	851530	849200	849258	0.26	cps
Calcium	44-1	15448411	15463971	15253598	15388660	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41851	40748	41888	41496	1.56	cps
Cobalt	59-2	302564	299736	298527	300275	0.69	cps
Copper	63-2	392111	390553	392355	391673	0.25	cps
Dysprosium	156-1	111139	112272	112403	111938	0.62	cps
Dysprosium	156-2	118446	118619	121561	119542	1.46	cps
Erbium	164-1	114723	116589	116380	115897	0.88	cps
Erbium	164-2	90900	89783	91027	90570	0.76	cps
Gadolinium	160-1	107133	108684	109104	108307	0.96	cps
Gadolinium	160-2	87431	88229	88434	88031	0.60	cps
Holmium	165-1	7434303	7549196	7588789	7524096	1.07	cps
Holmium	165-2	5955510	5855238	5877390	5896046	0.89	cps
Indium	115-1	6324371	6310858	6185763	6273664	1.22	cps
Indium	115-2	2578321	2486044	2607148	2557171	2.47	cps
Iron	56-2	12180685	12170856	12374507	12242016	0.94	cps
Iron	57-2	292562	292183	289089	291278	0.65	cps
Iron	54-2	598384	595154	597867	597135	0.29	cps
Krypton	83-1	773	727	767	756	3.34	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:19:22	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	82569	84467	84072	83703	1.20	cps
Lead	207-1	68224	68198	67795	68072	0.35	cps
Lead	208-1	320981	321398	319315	320565	0.34	cps
Lithium	6-1	462934	462333	449793	458353	1.62	cps
Magnesium	24-2	2699208	2670046	2683697	2684317	0.54	cps
Manganese	55-2	11539759	11289342	11493282	11440795	1.16	cps
Molybdenum	94-1	1577	1463	1607	1549	4.88	cps
Molybdenum	95-1	623	683	743	683	8.78	cps
Molybdenum	96-1	753	833	703	763	8.59	cps
Molybdenum	97-1	303	333	383	340	11.89	cps
Molybdenum	98-1	690	710	773	724	6.01	cps
Neodymium	150-1	168392	169327	169323	169014	0.32	cps
Neodymium	150-2	114264	112303	112478	113015	0.96	cps
Nickel	60-2	87090	87073	87345	87169	0.18	cps
Phosphorus	31-2	19930	19900	19663	19831	0.74	cps
Potassium	39-2	4067213	4005505	4041879	4038199	0.77	cps
Rhodium	103-1	6245195	6259337	6133381	6212638	1.11	cps
Rhodium	103-2	4079633	4055878	4192992	4109501	1.78	cps
Scandium	45-1	3795734	3887147	3824477	3835786	1.22	cps
Scandium	45-2	337698	341441	341979	340373	0.68	cps
Selenium	82-1	519	604	566	563	7.59	cps
Selenium	77-2	480	527	370	459	17.53	cps
Selenium	78-2	887	950	1017	951	6.83	cps
Silicon	28-1	40848142	40895003	41235446	40992864	0.52	cps
Silver	107-1	974	1041	977	997	3.82	cps
Silver	109-1	270	200	207	226	17.13	cps
Sodium	23-2	1403185	1415054	1438894	1419044	1.28	cps
Strontium	86-1	301627	306778	304785	304397	0.85	cps
Strontium	88-1	3113792	3148449	3122012	3128085	0.58	cps
Sulfur	34-1	2944653	2943229	2845169	2911017	1.96	cps
Terbium	159-1	7567356	7515213	7747428	7609999	1.60	cps
Terbium	159-2	5796910	5758850	5818636	5791465	0.52	cps
Thallium	203-1	1063	1097	1097	1086	1.77	cps
Thallium	205-1	1109	1245	1200	1185	5.81	cps
Tin	118-1	2064	1997	2164	2075	4.04	cps
Titanium	47-1	3374	3137	3147	3219	4.16	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:19:22	DataFile Name :	088SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70708	71455	70674	70946	0.62	cps
Vanadium	51-2	81797	81626	83378	82267	1.17	cps
Yttrium	89-1	12255762	12324670	12233200	12271211	0.39	cps
Yttrium	89-2	3667282	3703521	3729441	3700081	0.84	cps
Zinc	66-2	246474	244360	248833	246556	0.91	cps
Zirconium	90-1	3751	3597	3580	3643	2.57	cps
Zirconium	91-1	800	743	860	801	7.28	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:22:29	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3162481	3152472	3184964	3166639	0.53	cps
Antimony	121-1	480	483	380	448	13.11	cps
Arsenic	75-2	1906	1769	1710	1795	5.63	cps
Barium	135-1	48950	48552	48506	48670	0.50	cps
Barium	137-1	84204	85592	85109	84968	0.83	cps
Beryllium	9-1	1057	1010	1082	1049	3.48	cps
Bismuth	209-1	4524779	4661388	4564196	4583454	1.53	cps
Bismuth	209-2	4268957	4208623	4122295	4199959	1.76	cps
Bromine	81-1	13620	14994	15418	14677	6.41	cps
Bromine	81-2	1527	1417	1450	1465	3.85	cps
Cadmium	108-1	130	127	137	131	3.88	cps
Cadmium	106-1	2580	2590	2680	2617	2.11	cps
Cadmium	111-1	3385	3405	3514	3435	2.02	cps
Calcium	43-1	449567	451423	455203	452064	0.64	cps
Calcium	44-1	8301895	8368436	8416794	8362375	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18211	17597	18178	17995	1.92	cps
Cobalt	59-2	57918	57045	57239	57400	0.80	cps
Copper	63-2	87564	88295	89861	88574	1.32	cps
Dysprosium	156-1	26248	26569	26919	26579	1.26	cps
Dysprosium	156-2	23857	24071	23944	23957	0.45	cps
Erbium	164-1	37363	38112	38085	37853	1.12	cps
Erbium	164-2	30022	28416	28994	29144	2.79	cps
Gadolinium	160-1	28820	29571	29541	29311	1.45	cps
Gadolinium	160-2	23824	23957	23757	23846	0.43	cps
Holmium	165-1	7536233	7502606	7513986	7517608	0.23	cps
Holmium	165-2	5975964	5787622	5853408	5872332	1.63	cps
Indium	115-1	6429735	6284945	6354912	6356531	1.14	cps
Indium	115-2	2530752	2545778	2524897	2533809	0.43	cps
Iron	56-2	15957511	15659510	16041679	15886233	1.26	cps
Iron	57-2	367070	363153	363490	364571	0.60	cps
Iron	54-2	783198	775409	783929	780845	0.60	cps
Krypton	83-1	577	743	553	624	16.59	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:22:29	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	101519	102913	102013	102149	0.69	cps
Lead	207-1	83596	83415	83667	83559	0.16	cps
Lead	208-1	385961	393499	390439	389967	0.97	cps
Lithium	6-1	450532	454937	458209	454559	0.85	cps
Magnesium	24-2	1138682	1161231	1187404	1162439	2.10	cps
Manganese	55-2	6046399	6058797	6062016	6055737	0.14	cps
Molybdenum	94-1	2377	2474	2474	2441	2.29	cps
Molybdenum	95-1	430	470	477	459	5.50	cps
Molybdenum	96-1	883	1007	880	923	7.82	cps
Molybdenum	97-1	330	347	280	319	10.88	cps
Molybdenum	98-1	603	550	597	583	4.98	cps
Neodymium	150-1	31930	32076	32554	32187	1.01	cps
Neodymium	150-2	21153	21099	21196	21149	0.23	cps
Nickel	60-2	15436	15361	15632	15476	0.90	cps
Phosphorus	31-2	29612	29188	29188	29329	0.83	cps
Potassium	39-2	2595581	2580734	2589561	2588626	0.29	cps
Rhodium	103-1	6262126	6192455	6284408	6246330	0.77	cps
Rhodium	103-2	4201483	4099214	4145217	4148638	1.23	cps
Scandium	45-1	3870765	3836150	3855055	3853990	0.45	cps
Scandium	45-2	339889	338410	339832	339377	0.25	cps
Selenium	82-1	426	252	443	374	28.28	cps
Selenium	77-2	110	83	107	100	14.53	cps
Selenium	78-2	593	573	577	581	1.84	cps
Silicon	28-1	17745598	17852574	17888784	17828985	0.42	cps
Silver	107-1	230	220	195	215	8.37	cps
Silver	109-1	137	133	187	152	19.63	cps
Sodium	23-2	703130	693420	703841	700130	0.83	cps
Strontium	86-1	164138	165773	167106	165673	0.90	cps
Strontium	88-1	1697576	1714339	1691106	1701007	0.70	cps
Sulfur	34-1	2808489	2807455	2799034	2804993	0.18	cps
Terbium	159-1	7768214	7867112	7823587	7819638	0.63	cps
Terbium	159-2	5774472	5653942	5627542	5685319	1.38	cps
Thallium	203-1	560	717	710	662	13.38	cps
Thallium	205-1	1380	1331	1370	1360	1.92	cps
Tin	118-1	2304	2350	2410	2355	2.27	cps
Titanium	47-1	15091	15285	15181	15186	0.64	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:22:29	DataFile Name :	089SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7666	7972	7499	7712	3.11	cps
Vanadium	51-2	78989	77042	79461	78497	1.63	cps
Yttrium	89-1	10950754	11033618	10886166	10956846	0.67	cps
Yttrium	89-2	3263856	3212228	3283532	3253205	1.13	cps
Zinc	66-2	166362	164213	167131	165902	0.91	cps
Zirconium	90-1	6265	6385	6151	6267	1.86	cps
Zirconium	91-1	1280	1403	1300	1328	4.99	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Grillo-OG-07092	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:25:40	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1268799	1250702	1267807	1262436	0.81	cps
Antimony	121-1	1317	1480	1563	1453	8.63	cps
Arsenic	75-2	1964	1763	1697	1808	7.70	cps
Barium	135-1	46211	45556	45546	45771	0.83	cps
Barium	137-1	78669	80597	79477	79581	1.22	cps
Beryllium	9-1	876	883	856	872	1.60	cps
Bismuth	209-1	4603926	4647840	4629213	4626993	0.48	cps
Bismuth	209-2	4209602	4089516	4113221	4137446	1.54	cps
Bromine	81-1	16366	17904	18715	17662	6.76	cps
Bromine	81-2	2324	2474	2244	2347	4.98	cps
Cadmium	108-1	160	193	220	191	15.73	cps
Cadmium	106-1	2524	2647	2594	2588	2.39	cps
Cadmium	111-1	4001	4194	4192	4129	2.68	cps
Calcium	43-1	2494765	2562170	2541584	2532840	1.36	cps
Calcium	44-1	40739477	40750059	40781665	40757067	0.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	23552	24420	23926	23966	1.82	cps
Cobalt	59-2	64873	63915	64746	64511	0.81	cps
Copper	63-2	33090	33083	32702	32959	0.67	cps
Dysprosium	156-1	7279	7399	7375	7351	0.87	cps
Dysprosium	156-2	7722	7836	7649	7736	1.22	cps
Erbium	164-1	9160	9397	9096	9218	1.72	cps
Erbium	164-2	7075	7172	6942	7063	1.64	cps
Gadolinium	160-1	7525	7886	7872	7761	2.63	cps
Gadolinium	160-2	6618	6565	6478	6554	1.08	cps
Holmium	165-1	7647084	7585168	7487356	7573202	1.06	cps
Holmium	165-2	5907452	5806037	5819419	5844303	0.94	cps
Indium	115-1	6337142	6372928	6356810	6355627	0.28	cps
Indium	115-2	2586486	2550438	2607986	2581637	1.13	cps
Iron	56-2	16095716	16289599	16245116	16210144	0.63	cps
Iron	57-2	412948	424648	411331	416309	1.75	cps
Iron	54-2	799287	796394	791986	795889	0.46	cps
Krypton	83-1	527	530	557	538	3.06	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Grillo-OG-07092	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:25:40	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	47279	48610	48547	48145	1.56	cps
Lead	207-1	39110	39969	39210	39429	1.19	cps
Lead	208-1	182499	185697	186567	184921	1.16	cps
Lithium	6-1	458788	450207	456443	455146	0.97	cps
Magnesium	24-2	4692149	4631223	4599965	4641112	1.01	cps
Manganese	55-2	5019887	5163530	5084272	5089230	1.41	cps
Molybdenum	94-1	2817	2967	2677	2820	5.14	cps
Molybdenum	95-1	397	397	393	396	0.49	cps
Molybdenum	96-1	907	853	917	892	3.82	cps
Molybdenum	97-1	290	290	263	281	5.48	cps
Molybdenum	98-1	450	510	580	513	12.68	cps
Neodymium	150-1	10414	10260	10267	10314	0.84	cps
Neodymium	150-2	6468	6488	6538	6498	0.56	cps
Nickel	60-2	21957	21568	21382	21636	1.36	cps
Phosphorus	31-2	1870	1780	1917	1856	3.74	cps
Potassium	39-2	2494205	2480654	2489387	2488082	0.28	cps
Rhodium	103-1	6284005	6404819	6300479	6329768	1.04	cps
Rhodium	103-2	4156165	4077949	4127286	4120467	0.96	cps
Scandium	45-1	3954176	3818409	3860058	3877548	1.79	cps
Scandium	45-2	342874	343028	343257	343053	0.06	cps
Selenium	82-1	354	385	317	352	9.76	cps
Selenium	77-2	27	17	13	19	36.75	cps
Selenium	78-2	527	523	550	533	2.72	cps
Silicon	28-1	33147524	33644260	32490524	33094103	1.75	cps
Silver	107-1	140	156	136	144	7.49	cps
Silver	109-1	77	103	97	92	15.05	cps
Sodium	23-2	1256712	1209472	1235301	1233829	1.92	cps
Strontium	86-1	542441	540685	543811	542312	0.29	cps
Strontium	88-1	5575205	5554806	5642691	5590900	0.82	cps
Sulfur	34-1	3215234	3229645	3169783	3204887	0.97	cps
Terbium	159-1	7700203	7701931	7661523	7687886	0.30	cps
Terbium	159-2	5822278	5746813	5654731	5741274	1.46	cps
Thallium	203-1	530	560	497	529	5.99	cps
Thallium	205-1	1248	1228	1251	1242	1.03	cps
Tin	118-1	2514	2557	2357	2476	4.25	cps
Titanium	47-1	2124	1967	2110	2067	4.20	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2558-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Grillo-OG-07092	Dilution Factor :	5
Date & Time Acquired :	2025-07-16 17:25:40	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	957	960	943	953	0.92	cps
Vanadium	51-2	22243	22627	21522	22131	2.53	cps
Yttrium	89-1	10632279	10547084	10603897	10594420	0.41	cps
Yttrium	89-2	3132527	3143482	3111595	3129201	0.52	cps
Zinc	66-2	214924	214425	216412	215254	0.48	cps
Zirconium	90-1	7095	6975	7599	7223	4.58	cps
Zirconium	91-1	1647	1710	1550	1636	4.93	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 17:34:16	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2540560	2499352	2565277	2535063	1.31	cps
Antimony	121-1	253	243	210	236	9.63	cps
Arsenic	75-2	3659	3437	3455	3517	3.51	cps
Barium	135-1	18105	17968	18135	18069	0.49	cps
Barium	137-1	31074	31842	31802	31573	1.37	cps
Beryllium	9-1	1603	1695	1573	1624	3.93	cps
Bismuth	209-1	4571918	4596393	4527609	4565306	0.76	cps
Bismuth	209-2	4218988	4054053	4155490	4142844	2.01	cps
Bromine	81-1	12482	13590	14147	13406	6.32	cps
Bromine	81-2	1097	1043	1123	1088	3.74	cps
Cadmium	108-1	163	147	107	139	20.97	cps
Cadmium	106-1	2540	2370	2600	2504	4.77	cps
Cadmium	111-1	3534	3490	3516	3513	0.63	cps
Calcium	43-1	427504	431203	432933	430547	0.64	cps
Calcium	44-1	7918930	7855321	7881972	7885407	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	22423	21969	22627	22340	1.51	cps
Cobalt	59-2	152423	152648	150981	152017	0.60	cps
Copper	63-2	198899	198060	199287	198749	0.32	cps
Dysprosium	156-1	55790	56266	57437	56498	1.50	cps
Dysprosium	156-2	60185	59338	61280	60268	1.61	cps
Erbium	164-1	57939	59469	57970	58460	1.50	cps
Erbium	164-2	45019	44972	45317	45103	0.41	cps
Gadolinium	160-1	53194	54783	54773	54250	1.69	cps
Gadolinium	160-2	44397	44832	43487	44239	1.55	cps
Holmium	165-1	7361692	7665575	7591458	7539575	2.10	cps
Holmium	165-2	5920834	5747780	5962868	5877161	1.94	cps
Indium	115-1	6292488	6363000	6352796	6336095	0.60	cps
Indium	115-2	2590502	2518332	2548951	2552595	1.42	cps
Iron	56-2	6134888	6092275	6118097	6115087	0.35	cps
Iron	57-2	149667	146260	147731	147886	1.16	cps
Iron	54-2	305114	301783	304682	303860	0.60	cps
Krypton	83-1	677	600	663	647	6.33	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 17:34:16	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	42255	42921	42510	42562	0.79	cps
Lead	207-1	33912	34511	34327	34250	0.89	cps
Lead	208-1	159640	163235	162194	161689	1.14	cps
Lithium	6-1	446279	447122	441839	445080	0.64	cps
Magnesium	24-2	1380444	1349473	1370494	1366804	1.16	cps
Manganese	55-2	5732247	5697997	5705441	5711895	0.32	cps
Molybdenum	94-1	897	943	950	930	3.12	cps
Molybdenum	95-1	430	450	477	452	5.18	cps
Molybdenum	96-1	517	560	513	530	4.91	cps
Molybdenum	97-1	203	280	270	251	16.60	cps
Molybdenum	98-1	503	497	470	490	3.60	cps
Neodymium	150-1	84347	86470	85732	85516	1.26	cps
Neodymium	150-2	57801	56523	56600	56974	1.26	cps
Nickel	60-2	44770	44617	44166	44518	0.71	cps
Phosphorus	31-2	10417	10153	10394	10321	1.41	cps
Potassium	39-2	2096961	2086029	2113441	2098810	0.66	cps
Rhodium	103-1	6420312	6424733	6310410	6385152	1.01	cps
Rhodium	103-2	4268558	4134725	4189974	4197752	1.60	cps
Scandium	45-1	3962514	3967083	3930773	3953457	0.50	cps
Scandium	45-2	342131	342323	344397	342950	0.37	cps
Selenium	82-1	341	409	429	393	11.82	cps
Selenium	77-2	240	237	303	260	14.45	cps
Selenium	78-2	837	810	757	801	5.08	cps
Silicon	28-1	21229330	20937173	21249396	21138633	0.83	cps
Silver	107-1	480	479	526	495	5.48	cps
Silver	109-1	160	147	133	147	9.09	cps
Sodium	23-2	629895	624363	631573	628611	0.60	cps
Strontium	86-1	153532	156079	158184	155932	1.49	cps
Strontium	88-1	1592825	1636033	1556902	1595253	2.48	cps
Sulfur	34-1	1587074	1611344	1587042	1595153	0.88	cps
Terbium	159-1	7588537	7787573	7872745	7749618	1.88	cps
Terbium	159-2	5783128	5767693	5765872	5772231	0.16	cps
Thallium	203-1	603	587	547	579	5.03	cps
Thallium	205-1	648	723	735	702	6.75	cps
Tin	118-1	2067	2184	1857	2036	8.13	cps
Titanium	47-1	1567	1623	1710	1633	4.42	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-16 17:34:16	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	34629	34853	34933	34805	0.45	cps
Vanadium	51-2	41581	41306	41851	41579	0.66	cps
Yttrium	89-1	11510418	11545679	11448194	11501430	0.43	cps
Yttrium	89-2	3421920	3433560	3454997	3436826	0.49	cps
Zinc	66-2	127432	125140	127603	126725	1.09	cps
Zirconium	90-1	1900	2124	1963	1996	5.77	cps
Zirconium	91-1	430	490	447	456	6.80	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:57:12	DataFile Name :	093CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11239888	11116250	11056835	11137658	0.84	cps
Antimony	121-1	3545107	3522701	3571411	3546406	0.69	cps
Arsenic	75-2	229139	231086	231376	230534	0.53	cps
Barium	135-1	4500011	4384524	4354159	4412898	1.74	cps
Barium	137-1	7629369	7610649	7695680	7645233	0.58	cps
Beryllium	9-1	496455	505307	504017	501926	0.95	cps
Bismuth	209-1	4478971	4311206	4475725	4421967	2.17	cps
Bismuth	209-2	4021794	4025998	3928473	3992088	1.38	cps
Bromine	81-1	10647	10424	10617	10563	1.15	cps
Bromine	81-2	197	283	203	228	21.17	cps
Cadmium	108-1	64406	65038	64606	64683	0.50	cps
Cadmium	106-1	89473	91060	90423	90319	0.88	cps
Cadmium	111-1	887206	894802	896356	892788	0.55	cps
Calcium	43-1	5461973	5467593	5469538	5466368	0.07	cps
Calcium	44-1	89114382	89087165	88873839	89025129	0.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1964123	1977428	1974302	1971951	0.35	cps
Cobalt	59-2	3026341	3052407	3044706	3041151	0.44	cps
Copper	63-2	23056883	22892365	22835755	22928334	0.50	cps
Dysprosium	156-1	173	233	217	208	14.91	cps
Dysprosium	156-2	407	350	403	387	8.22	cps
Erbium	164-1	487	387	473	449	12.10	cps
Erbium	164-2	367	300	350	339	10.24	cps
Gadolinium	160-1	250	283	210	248	14.82	cps
Gadolinium	160-2	430	463	477	457	5.26	cps
Holmium	165-1	7422789	7442672	7434589	7433350	0.13	cps
Holmium	165-2	5915611	5920606	5777271	5871162	1.39	cps
Indium	115-1	6246875	6057891	6151438	6152068	1.54	cps
Indium	115-2	2510198	2573317	2530893	2538136	1.27	cps
Iron	56-2	488595819	484886753	487944166	487142246	0.41	cps
Iron	57-2	12010417	11973999	12094830	12026415	0.52	cps
Iron	54-2	26976377	26285095	26460000	26573824	1.35	cps
Krypton	83-1	533	593	537	554	6.08	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:57:12	DataFile Name :	093CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13480026	13370944	13413370	13421447	0.41	cps
Lead	207-1	11801027	11663409	11590413	11684950	0.92	cps
Lead	208-1	53941012	53308116	53534919	53594682	0.60	cps
Lithium	6-1	436059	441350	445133	440847	1.03	cps
Magnesium	24-2	97917119	96208709	99047199	97724342	1.46	cps
Manganese	55-2	15415417	15379479	15262055	15352317	0.52	cps
Molybdenum	94-1	13551369	13877016	13841854	13756746	1.30	cps
Molybdenum	95-1	19883807	19781008	19754063	19806293	0.35	cps
Molybdenum	96-1	21765692	21705247	21842550	21771163	0.32	cps
Molybdenum	97-1	12380917	12222722	12234046	12279228	0.72	cps
Molybdenum	98-1	31463729	31895993	31402349	31587357	0.85	cps
Neodymium	150-1	257	187	190	211	18.70	cps
Neodymium	150-2	77	110	57	81	33.21	cps
Nickel	60-2	948576	948157	943945	946893	0.27	cps
Phosphorus	31-2	104245	103729	102135	103370	1.06	cps
Potassium	39-2	55766796	55270239	55078894	55371976	0.64	cps
Rhodium	103-1	6145347	5949860	5987126	6027444	1.72	cps
Rhodium	103-2	4124672	3998032	4032402	4051702	1.62	cps
Scandium	45-1	3992406	3885409	3933407	3937074	1.36	cps
Scandium	45-2	353261	349485	352785	351844	0.58	cps
Selenium	82-1	66378	67488	67569	67145	0.99	cps
Selenium	77-2	7815	7512	7625	7651	2.00	cps
Selenium	78-2	25625	26197	26450	26091	1.62	cps
Silicon	28-1	24074299	24507656	24359056	24313670	0.91	cps
Silver	107-1	4986463	5009132	5015834	5003810	0.31	cps
Silver	109-1	4486519	4585516	4566944	4546326	1.16	cps
Sodium	23-2	150774014	149069761	145248705	148364160	1.91	cps
Strontium	86-1	1038073	1060561	1053896	1050844	1.10	cps
Strontium	88-1	10638806	10866459	10766682	10757316	1.06	cps
Sulfur	34-1	455752	448640	448432	450941	0.92	cps
Terbium	159-1	7508922	7571450	7796548	7625640	1.98	cps
Terbium	159-2	5902193	5915543	5719080	5845605	1.88	cps
Thallium	203-1	3251074	3356459	3292449	3299994	1.61	cps
Thallium	205-1	7678827	7573534	7687857	7646739	0.83	cps
Tin	118-1	3031361	3122570	3096969	3083633	1.53	cps
Titanium	47-1	5315083	5324859	5178871	5272938	1.55	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 17:57:12	DataFile Name :	093CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10065028	10294199	10271523	10210250	1.24	cps
Vanadium	51-2	1711365	1654561	1678588	1681504	1.70	cps
Yttrium	89-1	10224810	10214328	10238732	10225956	0.12	cps
Yttrium	89-2	3173445	3089539	3112084	3125023	1.39	cps
Zinc	66-2	3998450	4029022	4017065	4014846	0.38	cps
Zirconium	90-1	6750270	6826109	6846149	6807509	0.74	cps
Zirconium	91-1	1517548	1514545	1534452	1522181	0.71	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 18:05:42	DataFile Name :	094CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	297	330	350	326	8.28	cps
Antimony	121-1	427	313	290	343	21.29	cps
Arsenic	75-2	7	17	10	12	44.18	cps
Barium	135-1	37	27	27	30	19.24	cps
Barium	137-1	63	63	80	69	13.97	cps
Beryllium	9-1	7	14	10	10	30.65	cps
Bismuth	209-1	4415432	4390812	4477431	4427892	1.01	cps
Bismuth	209-2	4109475	4034781	3981752	4042003	1.59	cps
Bromine	81-1	10804	10154	10777	10578	3.48	cps
Bromine	81-2	210	213	213	212	0.91	cps
Cadmium	108-1	10	7	7	8	24.71	cps
Cadmium	106-1	1903	2230	2053	2062	7.93	cps
Cadmium	111-1	1342	1570	1459	1457	7.81	cps
Calcium	43-1	393	323	383	367	10.33	cps
Calcium	44-1	38349	40056	40471	39625	2.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1717	1713	1833	1755	3.90	cps
Cobalt	59-2	77	80	93	83	10.58	cps
Copper	63-2	1653	1573	1557	1595	3.24	cps
Dysprosium	156-1	0	3	0	1	173.21	cps
Dysprosium	156-2	0	0	17	6	173.21	cps
Erbium	164-1	30	50	50	43	26.65	cps
Erbium	164-2	37	53	47	46	18.41	cps
Gadolinium	160-1	53	23	50	42	38.95	cps
Gadolinium	160-2	380	370	347	366	4.68	cps
Holmium	165-1	7102454	7056627	7314626	7157902	1.92	cps
Holmium	165-2	5661978	5547390	5502764	5570710	1.47	cps
Indium	115-1	6063762	6105298	6265340	6144800	1.73	cps
Indium	115-2	2548411	2524656	2467625	2513564	1.65	cps
Iron	56-2	23462	23585	23522	23523	0.26	cps
Iron	57-2	1583	1533	1727	1615	6.22	cps
Iron	54-2	3007	3147	2844	2999	5.06	cps
Krypton	83-1	517	553	487	519	6.43	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 18:05:42	DataFile Name :	094CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	627	683	573	628	8.76	cps
Lead	207-1	580	567	673	607	9.58	cps
Lead	208-1	2497	2613	2547	2552	2.29	cps
Lithium	6-1	421501	421426	419763	420896	0.23	cps
Magnesium	24-2	600	600	660	620	5.59	cps
Manganese	55-2	1017	990	1090	1032	5.02	cps
Molybdenum	94-1	463	360	373	399	14.09	cps
Molybdenum	95-1	537	347	317	400	29.83	cps
Molybdenum	96-1	537	397	457	463	15.16	cps
Molybdenum	97-1	380	267	273	307	20.74	cps
Molybdenum	98-1	787	533	527	616	24.08	cps
Neodymium	150-1	3	7	0	3	100.05	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	484	491	462	479	3.14	cps
Phosphorus	31-2	397	410	507	438	13.71	cps
Potassium	39-2	76491	76042	77050	76528	0.66	cps
Rhodium	103-1	6173121	6021637	6192455	6129071	1.53	cps
Rhodium	103-2	4174271	4116513	3990294	4093693	2.30	cps
Scandium	45-1	3770579	3773760	3742957	3762432	0.45	cps
Scandium	45-2	337684	332263	327665	332538	1.51	cps
Selenium	82-1	291	232	365	296	22.58	cps
Selenium	77-2	0	7	3	3	100.05	cps
Selenium	78-2	453	443	500	466	6.50	cps
Silicon	28-1	641589	634792	605943	627441	3.02	cps
Silver	107-1	2377	944	567	1296	73.70	cps
Silver	109-1	2250	927	467	1215	76.24	cps
Sodium	23-2	46644	45323	44795	45587	2.09	cps
Strontium	86-1	847	843	820	837	1.74	cps
Strontium	88-1	193	220	163	192	14.75	cps
Sulfur	34-1	167199	168892	169158	168416	0.63	cps
Terbium	159-1	7309492	7370329	7306112	7328644	0.49	cps
Terbium	159-2	5590176	5450024	5409503	5483235	1.73	cps
Thallium	203-1	190	170	197	186	7.48	cps
Thallium	205-1	476	479	459	471	2.27	cps
Tin	118-1	2007	1900	1727	1878	7.53	cps
Titanium	47-1	110	133	100	114	14.95	cps

Reviewed By:jaswal
On:7/18/2025 9:13:11 AM
Inst Id :P7
LB :LB136512

LB Number :	LB136512	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-16 18:05:42	DataFile Name :	094CCBE.d

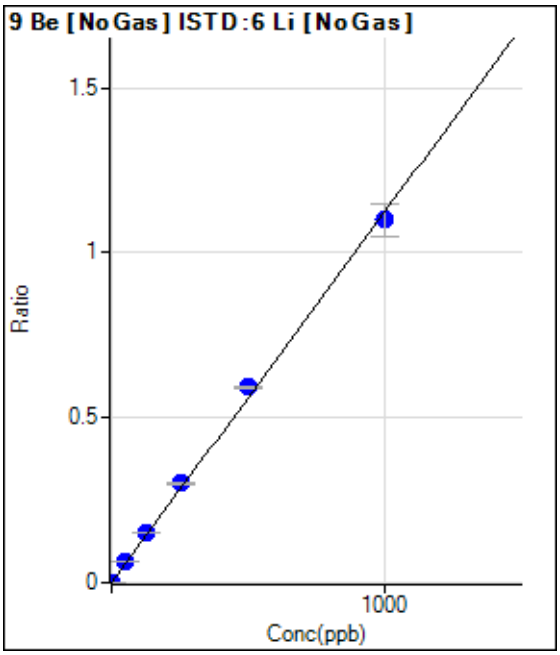
Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57	30	40	42	31.91	cps
Vanadium	51-2	10	23	17	17	39.99	cps
Yttrium	89-1	10008385	9932825	9856646	9932618	0.76	cps
Yttrium	89-2	2987586	2977055	2930806	2965149	1.02	cps
Zinc	66-2	1513	1547	1460	1507	2.90	cps
Zirconium	90-1	483	463	537	494	7.67	cps
Zirconium	91-1	80	97	83	87	10.18	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7072425-MS.b\
Analysis File: P7072425-MS.batch.bin
DA Date-Time: 2025-07-24 12:47:25
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-07-24 10:42:36
2	006CALS.d	S02	2025-07-24 10:49:12
3	007CALS.d	S03	2025-07-24 10:52:29
4	008CALS.d	S04	2025-07-24 10:55:38
5	009CALS.d	S05	2025-07-24 10:58:36
6	010CALS.d	S06	2025-07-24 11:01:29
7	011CALS.d	S07	2025-07-24 11:04:14
8	012CALS.d	S08	2025-07-24 11:07:03

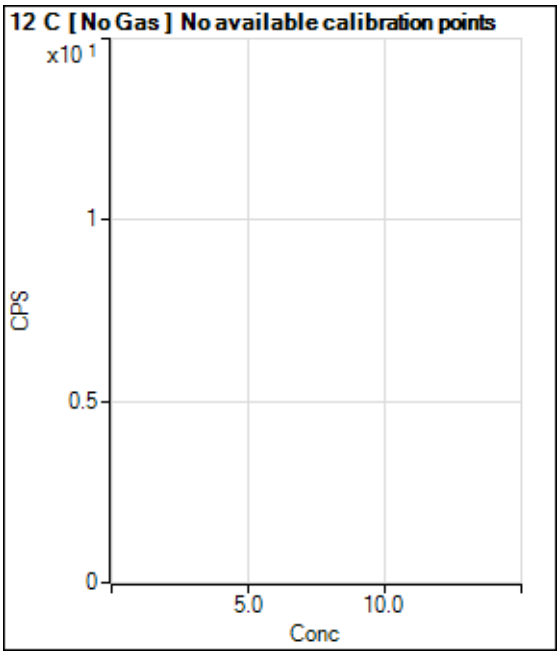
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	99.2
2	☐	1.000	1.152	931.15	0.0013	P	3.1
3	☐	50.000	56.084	44873.56	0.0630	P	0.6
4	☐	125.000	136.071	110785.19	0.1528	P	1.8
5	☐	250.000	267.678	215744.89	0.3005	P	1.2
6	☐	500.000	528.311	425217.84	0.5931	P	0.6
7	☐	1000.000	979.737	808430.34	1.0999	P	8.8
8	☐			100.00	0.0001	P	18.8

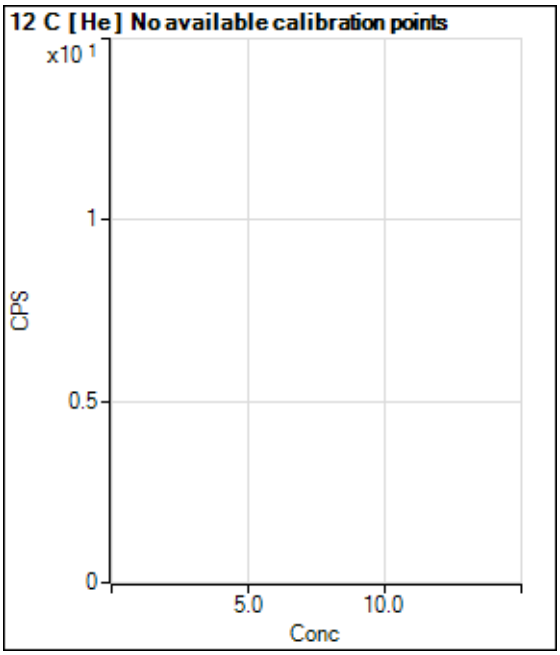
y = 0.0011 * x + 4.8147E-006
R = 0.9992
DL = 0.01276
BEC = 0.004289

Weight: <None>
Min Conc: <None>

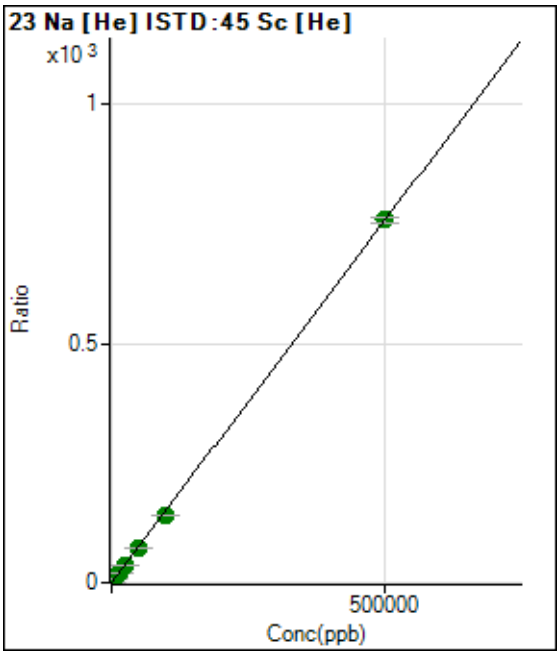


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



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

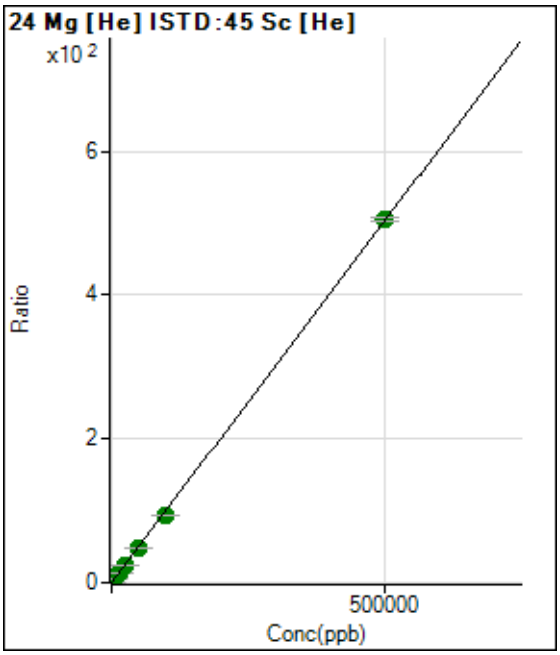


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21018.88	0.0619	P	1.3
2	☐	500.000	394.561	225428.56	0.6588	P	0.7
3	☐	5000.000	4932.919	2525984.41	7.5244	A	0.5
4	☐	12500.000	12273.243	6324185.67	18.6288	A	0.7
5	☐	25000.000	24150.911	12397341.90	36.5972	A	1.4
6	☐	50000.000	47342.321	24739152.96	71.6810	A	0.5
7	☐	100000.00	93774.449	50100298.14	141.9232	A	0.3
8	☐	500000.00	501559.77	272006575.9	758.8177	A	1.3

y = 0.0015 * x + 0.0619
R = 0.9999
DL = 1.592
BEC = 40.92

Weight: <None>
Min Conc: <None>

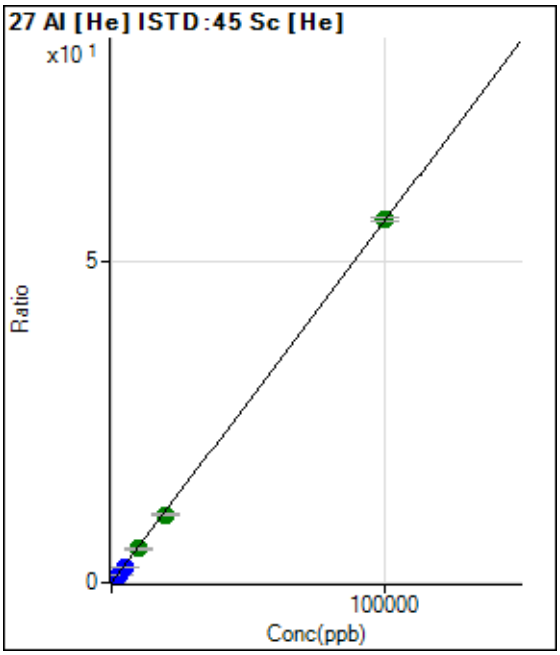
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	222.22	0.0007	P	13.4
2	☐	500.000	386.809	133325.03	0.3896	P	0.3
3	☐	5000.000	4956.202	1673207.14	4.9845	A	2.5
4	☐	12500.000	12080.532	4124179.73	12.1485	A	0.4
5	☐	25000.000	23989.689	8171994.60	24.1239	A	1.3
6	☐	50000.000	46760.553	16228152.12	47.0216	A	0.8
7	☐	100000.00	93014.118	33015958.40	93.5328	A	0.4
8	☐	500000.00	501782.67	180871343.9	504.5779	A	0.9

y = 0.0010 * x + 6.5435E-004
R = 0.9999
DL = 0.2617
BEC = 0.6507

Weight: <None>
Min Conc: <None>

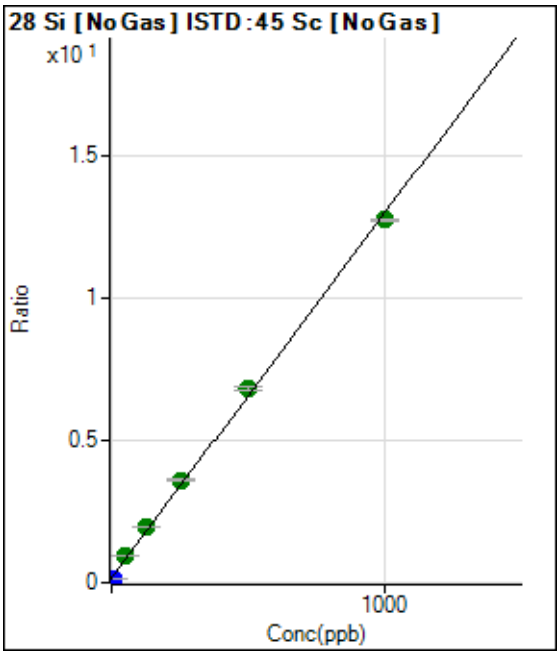


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	413.35	0.0012	P	10.0
2	☐	20.000	15.724	3450.42	0.0101	P	2.4
3	☐	1000.000	873.865	165815.81	0.4939	P	0.3
4	☐	2500.000	2123.757	406925.48	1.1987	P	0.6
5	☐	5000.000	4200.399	802696.11	2.3695	P	0.4
6	☐	10000.000	9316.306	1813313.83	5.2541	A	0.3
7	☐	20000.000	18813.490	3744673.03	10.6089	A	1.4
8	☐	100000.00	100356.32	20283815.39	56.5856	A	1.2

y = 5.6383E-004 * x + 0.0012
R = 0.9999
DL = 0.6474
BEC = 2.159

Weight: <None>
Min Conc: <None>

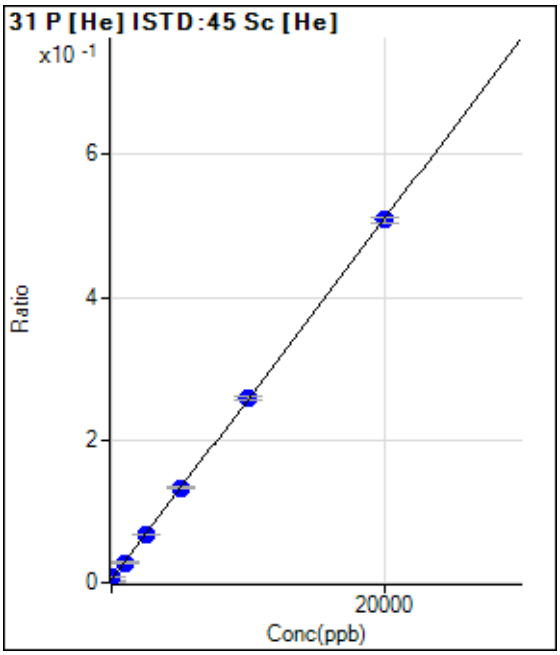
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	628210.77	0.1649	P	1.7
2	☐	10.000	-0.101	635345.51	0.1636	P	0.8
3	☐	50.000	60.628	3600897.62	0.9421	A	1.1
4	☐	125.000	140.623	7600146.48	1.9676	A	0.9
5	☐	250.000	269.142	13865515.35	3.6151	A	0.9
6	☐	500.000	521.804	26506148.22	6.8541	A	2.0
7	☐	1000.000	981.929	50828644.24	12.7526	A	0.4
8	☐			722677.42	0.1792	P	0.6

y = 0.0128 * x + 0.1649
R = 0.9992
DL = 0.6519
BEC = 12.86

Weight: <None>
Min Conc: <None>

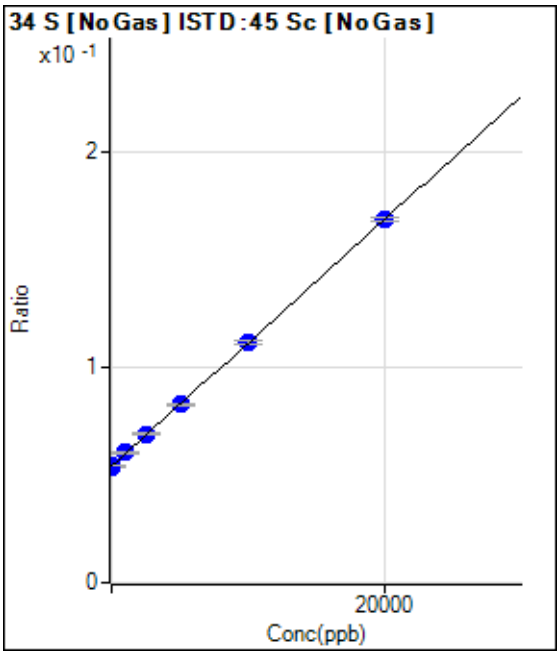


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-130.563	467.79	0.0014	P	9.7
2	☐	0.000	130.563	2728.05	0.0080	P	5.2
3	☐	1000.000	929.948	9456.35	0.0282	P	2.0
4	☐	2500.000	2468.015	22752.60	0.0670	P	0.7
5	☐	5000.000	5074.312	45006.20	0.1329	P	1.4
6	☐	10000.000	10092.935	89601.91	0.2596	P	2.3
7	☐	20000.000	19942.455	179459.99	0.5084	P	1.8
8	☐			515.57	0.0014	P	11.0

y = 2.5261E-005 * x + 0.0047
R = 0.9999
DL = 32.6
BEC = 185.1

Weight: <None>
Min Conc: <None>

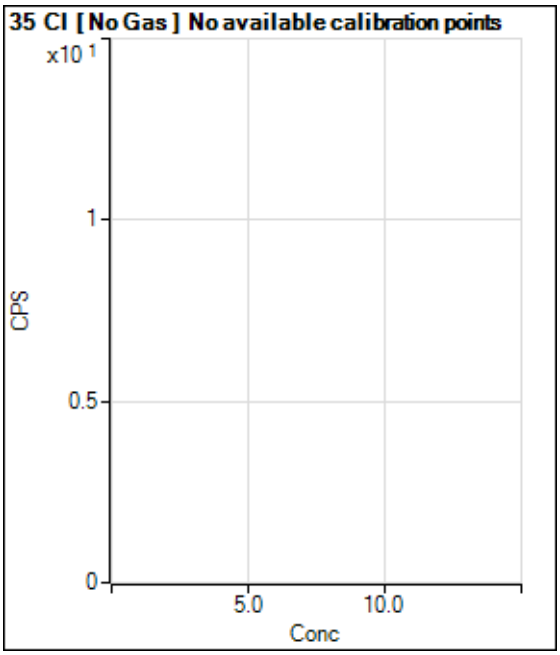
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-43.533	205678.98	0.0540	P	1.9
2	☐	0.000	43.533	211601.81	0.0545	P	0.5
3	☐	1000.000	1102.161	231498.20	0.0606	P	0.9
4	☐	2500.000	2585.312	266841.70	0.0691	P	0.9
5	☐	5000.000	5028.534	318733.10	0.0831	P	1.2
6	☐	10000.000	10042.691	432680.30	0.1119	P	1.7
7	☐	20000.000	19955.749	672673.35	0.1688	P	0.9
8	☐			175356.68	0.0435	P	1.4

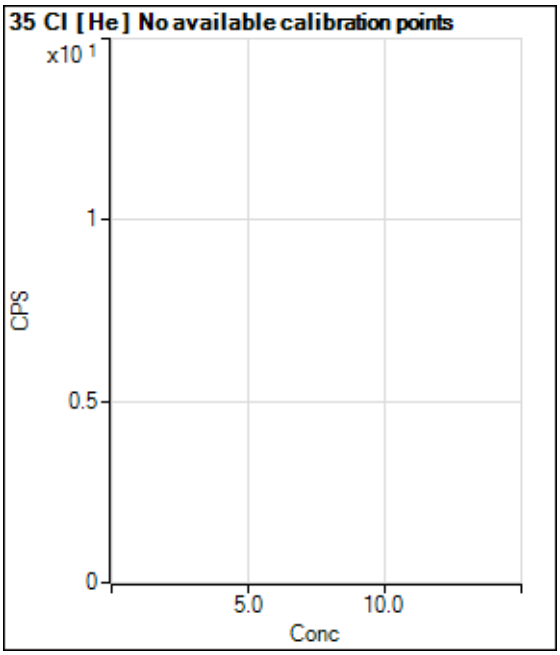
y = 5.7390E-006 * x + 0.0542
R = 1.0000
DL = 343.7
BEC = 9452

Weight: <None>
Min Conc: <None>

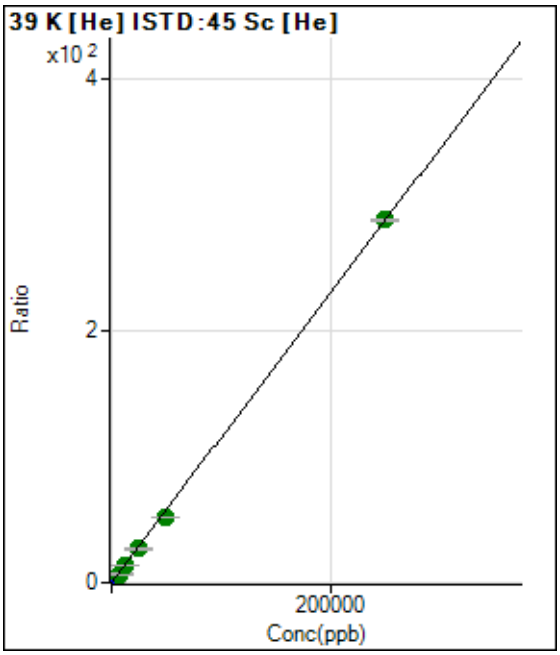


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



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

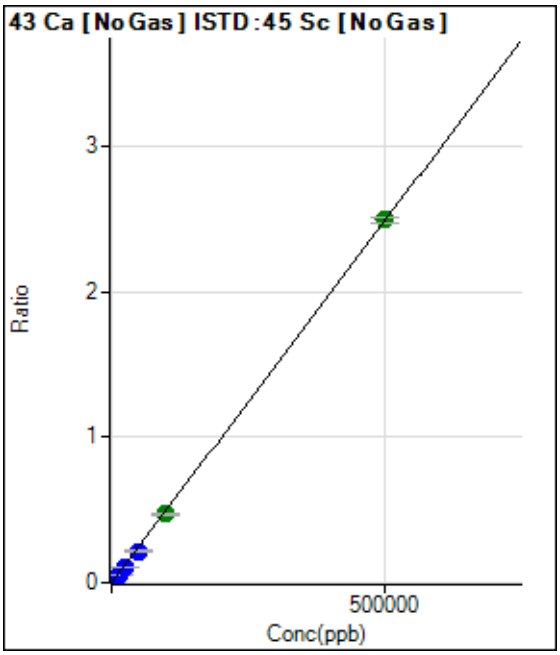


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	64905.50	0.1912	P	0.7
2	☐	500.000	399.058	221966.52	0.6487	P	1.0
3	☐	2500.000	2156.845	894317.52	2.6640	P	0.6
4	☐	6250.000	5819.689	2330086.04	6.8634	A	0.4
5	☐	12500.000	11627.232	4580584.86	13.5218	A	1.9
6	☐	25000.000	23262.493	9270490.77	26.8617	A	1.4
7	☐	50000.000	45632.593	18535717.92	52.5091	A	0.0
8	☐	250000.00	251105.26	103266270.6	288.0842	A	0.2

y = 0.0011 * x + 0.1912
R = 0.9998
DL = 3.439
BEC = 166.7

Weight: <None>
Min Conc: <None>

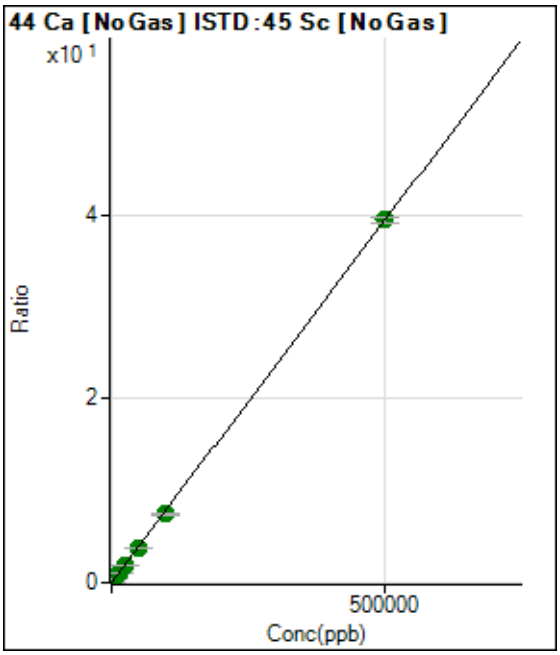
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	268.90	0.0001	P	10.4
2	☐	500.000	407.967	8140.02	0.0021	P	3.2
3	☐	5000.000	4406.699	83913.76	0.0220	P	0.3
4	☐	12500.000	10830.502	208016.30	0.0539	P	2.4
5	☐	25000.000	21650.433	412647.70	0.1076	P	1.5
6	☐	50000.000	43274.989	831314.09	0.2150	P	3.3
7	☐	100000.00	95201.078	1884690.16	0.4729	A	2.0
8	☐	500000.00	501847.52	10053067.84	2.4924	A	1.8

y = 4.9663E-006 * x + 7.0509E-005
R = 0.9999
DL = 4.415
BEC = 14.2

Weight: <None>
Min Conc: <None>

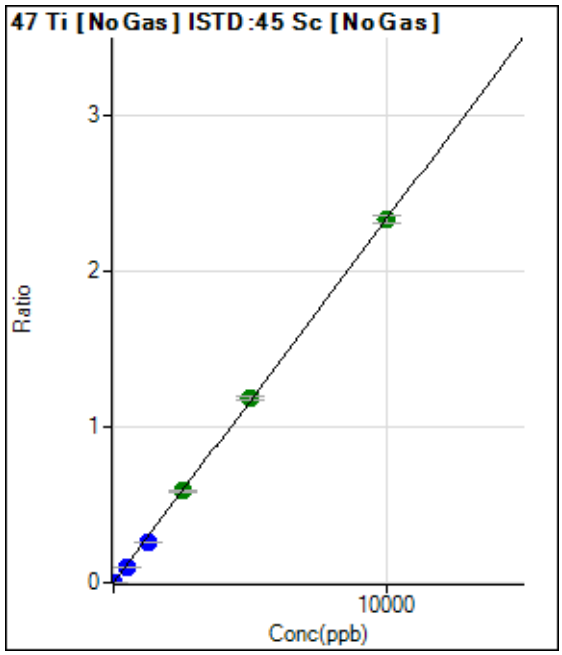


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23866.77	0.0063	P	4.6
2	☐	500.000	412.035	150171.53	0.0387	P	1.8
3	☐	5000.000	4799.130	1467001.23	0.3838	A	1.6
4	☐	12500.000	11992.703	3668290.99	0.9498	A	1.6
5	☐	25000.000	24074.612	7288209.75	1.9003	A	0.9
6	☐	50000.000	48156.020	14675293.39	3.7948	A	2.0
7	☐	100000.00	94588.242	29683321.50	7.4477	A	2.0
8	☐	500000.00	501327.79	159105878.7	39.4467	A	1.3

y = 7.8672E-005 * x + 0.0063
R = 0.9999
DL = 11.06
BEC = 79.6

Weight: <None>
Min Conc: <None>

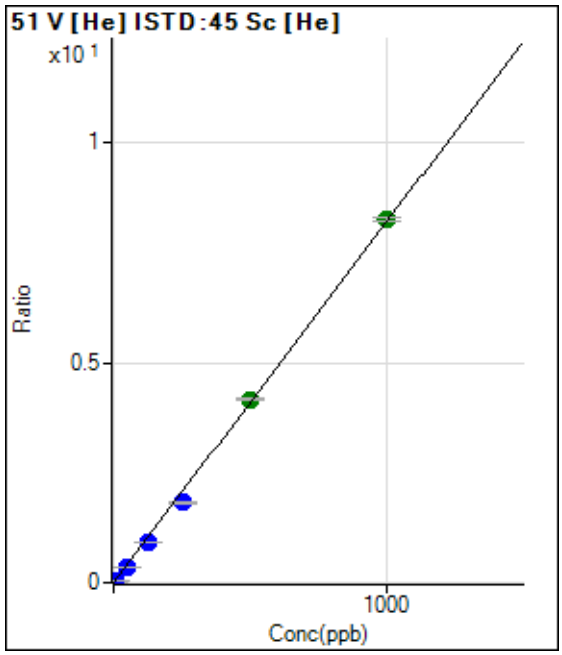
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.66	0.0000	P	7.4
2	☐	5.000	4.228	3899.43	0.0010	P	7.8
3	☐	500.000	439.772	392409.96	0.1027	P	0.3
4	☐	1250.000	1095.712	987948.96	0.2558	P	1.7
5	☐	2500.000	2515.127	2251762.70	0.5871	A	1.5
6	☐	5000.000	5080.787	4586389.34	1.1860	A	2.7
7	☐	10000.000	9978.122	9283832.15	2.3292	A	2.0
8	☐			737.80	0.0002	P	11.6

y = 2.3343E-004 * x + 1.7488E-005
R = 0.9998
DL = 0.01667
BEC = 0.07492

Weight: <None>
Min Conc: <None>

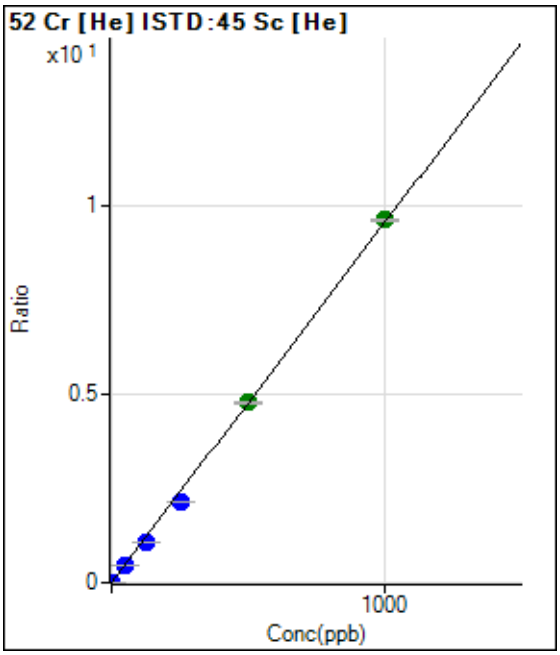


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0001	P	21.7
2	☐	5.000	4.281	12038.25	0.0352	P	0.8
3	☐	50.000	45.066	124089.20	0.3696	P	0.7
4	☐	125.000	110.753	308336.39	0.9083	P	1.3
5	☐	250.000	221.155	614363.18	1.8136	P	0.3
6	☐	500.000	507.604	1436621.89	4.1625	A	0.8
7	☐	1000.000	1005.440	2910165.51	8.2449	A	1.2
8	☐			1005.60	0.0028	P	2.2

y = 0.0082 * x + 7.8540E-005
R = 0.9995
DL = 0.006228
BEC = 0.009578

Weight: <None>
Min Conc: <None>

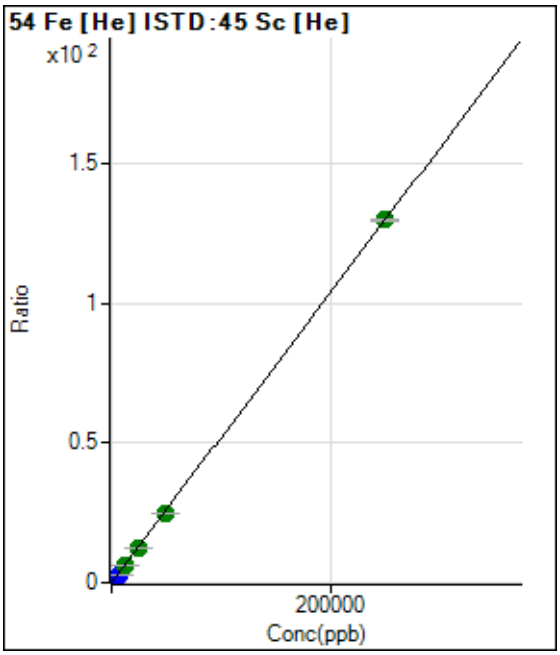
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2092.39	0.0062	P	3.6
2	☐	2.000	1.789	7961.06	0.0233	P	4.8
3	☐	50.000	45.955	149519.36	0.4454	P	1.0
4	☐	125.000	111.865	365052.73	1.0753	P	0.8
5	☐	250.000	223.784	726644.71	2.1450	P	0.1
6	☐	500.000	499.689	1650415.04	4.7821	A	0.9
7	☐	1000.000	1008.554	3404817.93	9.6457	A	0.4
8	☐			17966.34	0.0501	P	0.4

y = 0.0096 * x + 0.0062
R = 0.9996
DL = 0.07033
BEC = 0.6448

Weight: <None>
Min Conc: <None>

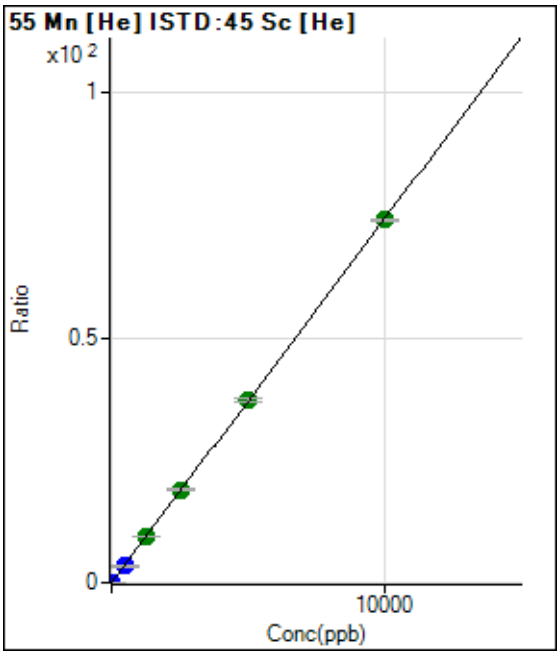


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2616.92	0.0077	P	3.9
2	☐	50.000	42.553	10181.32	0.0298	P	0.9
3	☐	2500.000	2275.807	398376.26	1.1867	P	0.5
4	☐	6250.000	5577.444	983477.94	2.8971	P	0.9
5	☐	12500.000	12366.132	2172761.18	6.4139	A	1.2
6	☐	25000.000	23897.716	4275319.52	12.3877	A	0.7
7	☐	50000.000	47746.316	8733722.23	24.7423	A	0.6
8	☐	250000.00	250586.71	46535448.75	129.8221	A	0.6

y = 5.1804E-004 * x + 0.0077
R = 1.0000
DL = 1.736
BEC = 14.88

Weight: <None>
Min Conc: <None>

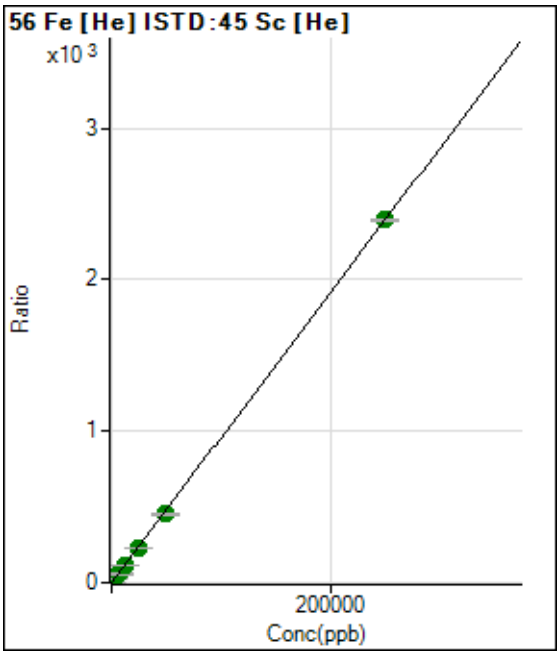
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3764.96	0.0111	P	2.3
2	☐	1.000	2.591	10375.89	0.0303	P	2.0
3	☐	500.000	450.304	1126160.10	3.3546	P	1.0
4	☐	1250.000	1276.470	3221372.42	9.4890	A	0.7
5	☐	2500.000	2558.055	6437983.17	19.0048	A	1.0
6	☐	5000.000	5016.643	12859282.03	37.2600	A	1.4
7	☐	10000.000	9976.341	26151198.22	74.0862	A	0.9
8	☐			13745.24	0.0383	P	0.5

y = 0.0074 * x + 0.0111
R = 1.0000
DL = 0.1041
BEC = 1.493

Weight: <None>
Min Conc: <None>

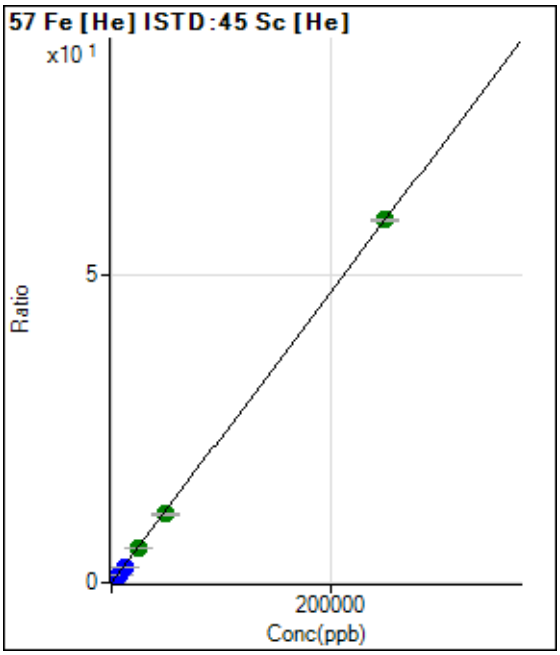


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20209.22	0.0595	P	1.2
2	☐	50.000	41.679	156610.99	0.4577	P	0.6
3	☐	2500.000	2466.505	7929875.71	23.6221	A	1.4
4	☐	6250.000	6004.783	19493444.30	57.4234	A	2.5
5	☐	12500.000	11935.830	38646020.81	114.0829	A	0.9
6	☐	25000.000	23498.403	77493286.62	224.5405	A	1.3
7	☐	50000.000	47221.817	159249209.8	451.1711	A	1.5
8	☐	250000.00	250740.47	858628431.6	2,395.391	A	0.9

y = 0.0096 * x + 0.0595
R = 0.9999
DL = 0.2319
BEC = 6.23

Weight: <None>
Min Conc: <None>

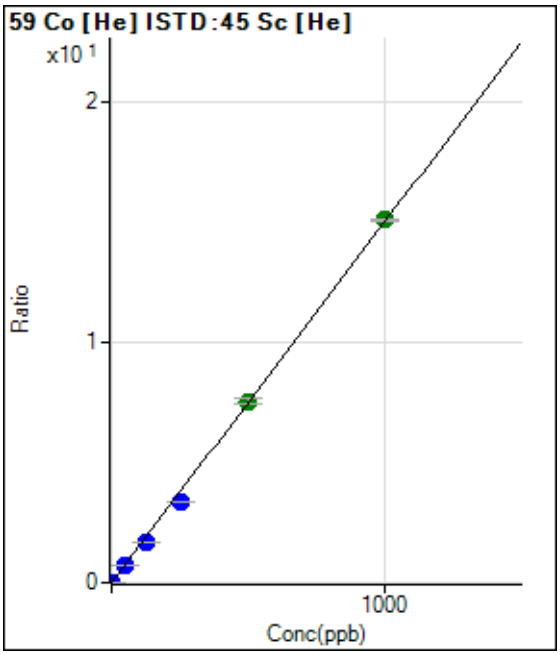
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1376.74	0.0041	P	5.6
2	☐	50.000	41.111	4690.77	0.0137	P	2.6
3	☐	2500.000	2230.651	177226.52	0.5279	P	0.7
4	☐	6250.000	5418.397	433372.44	1.2766	P	0.4
5	☐	12500.000	10896.198	868240.49	2.5630	P	0.4
6	☐	25000.000	23837.099	1933428.22	5.6022	A	1.5
7	☐	50000.000	47352.440	3926331.96	11.1248	A	2.2
8	☐	250000.00	250749.47	21111191.63	58.8929	A	0.9

y = 2.3485E-004 * x + 0.0041
R = 0.9999
DL = 2.906
BEC = 17.26

Weight: <None>
Min Conc: <None>

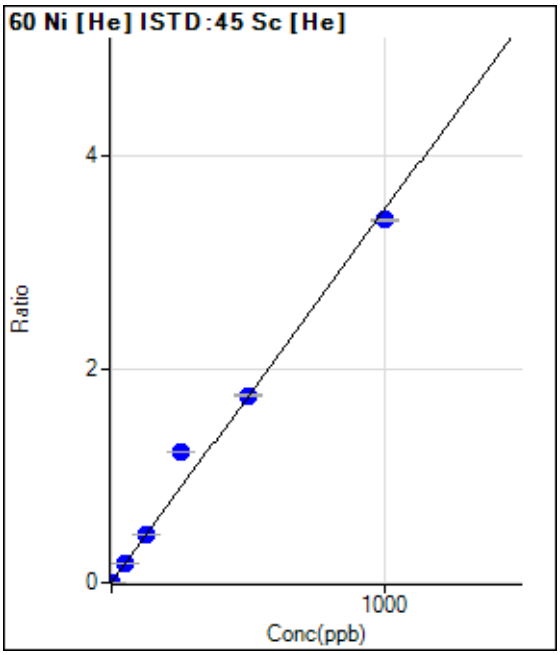


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65.56	0.0002	P	3.1
2	☐	1.000	0.920	4780.81	0.0140	P	5.2
3	☐	50.000	45.445	228635.56	0.6811	P	0.3
4	☐	125.000	112.142	570452.83	1.6803	P	0.5
5	☐	250.000	222.330	1128452.94	3.3312	P	0.3
6	☐	500.000	503.992	2606043.45	7.5511	A	3.1
7	☐	1000.000	1006.757	5324410.06	15.0836	A	0.3
8	☐			8793.75	0.0245	P	0.9

y = 0.0150 * x + 1.9308E-004
R = 0.9996
DL = 0.001207
BEC = 0.01289

Weight: <None>
Min Conc: <None>

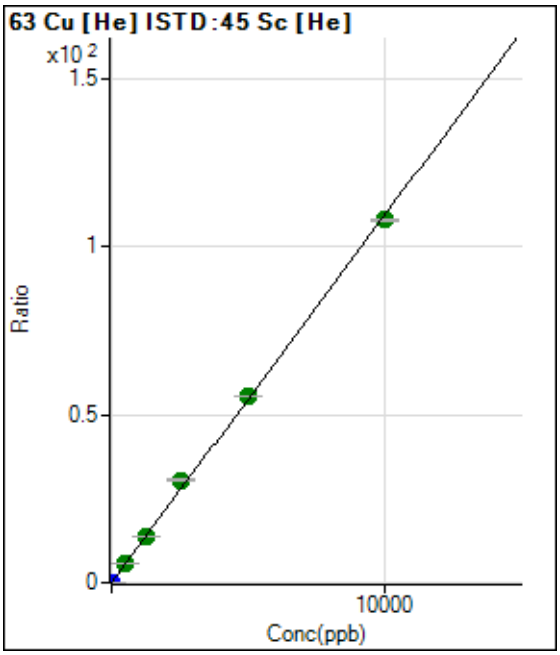
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	530.01	0.0016	P	3.1
2	☐	1.000	0.959	1677.89	0.0049	P	4.5
3	☐	50.000	51.905	61236.80	0.1824	P	1.0
4	☐	125.000	127.287	151090.47	0.4451	P	0.8
5	☐	250.000	349.448	412988.61	1.2191	P	0.8
6	☐	500.000	502.738	605091.32	1.7533	P	0.7
7	☐	1000.000	973.388	1197696.80	3.3931	P	0.8
8	☐			5285.42	0.0147	P	5.1

y = 0.0035 * x + 0.0016
R = 0.9940
DL = 0.0418
BEC = 0.448

Weight: <None>
Min Conc: <None>

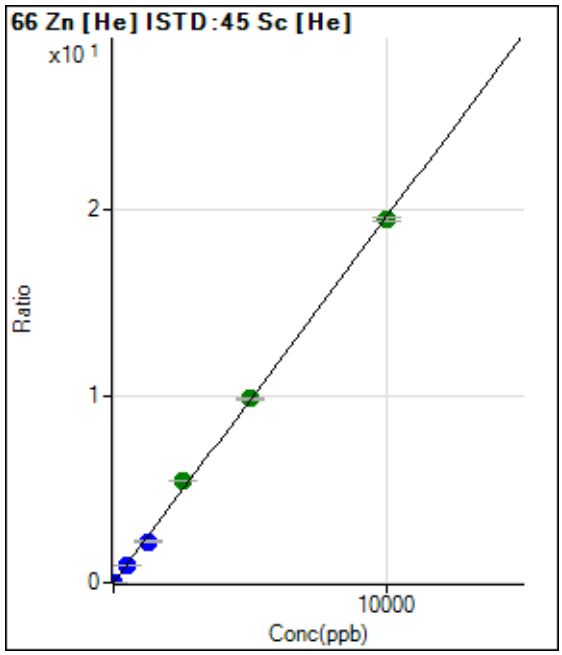


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1941.26	0.0057	P	0.8
2	☐	2.000	1.657	8147.85	0.0238	P	1.0
3	☐	500.000	519.630	1906826.22	5.6800	A	0.7
4	☐	1250.000	1267.629	4701018.37	13.8481	A	1.2
5	☐	2500.000	2800.788	10362418.53	30.5900	A	1.0
6	☐	5000.000	5080.965	19150787.91	55.4892	A	0.1
7	☐	10000.000	9881.135	38090309.99	107.9065	A	0.3
8	☐			6515.93	0.0182	P	5.4

y = 0.0109 * x + 0.0057
R = 0.9994
DL = 0.01274
BEC = 0.5236

Weight: <None>
Min Conc: <None>

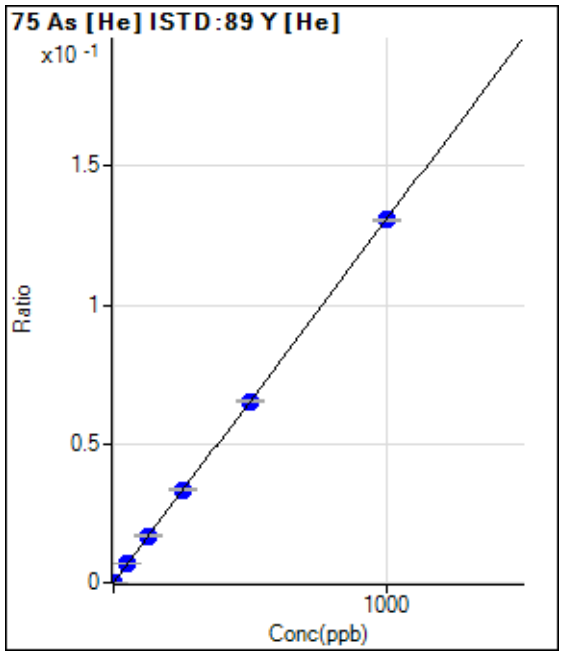
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	687.80	0.0020	P	7.7
2	☐	5.000	4.307	3572.68	0.0104	P	3.0
3	☐	500.000	464.050	305105.21	0.9089	P	1.0
4	☐	1250.000	1130.206	750460.39	2.2106	P	0.7
5	☐	2500.000	2784.060	1843702.09	5.4425	A	1.2
6	☐	5000.000	5038.165	3398667.42	9.8474	A	0.9
7	☐	10000.000	9926.675	6847908.72	19.4004	A	1.2
8	☐			3811.63	0.0106	P	3.3

y = 0.0020 * x + 0.0020
R = 0.9994
DL = 0.2383
BEC = 1.036

Weight: <None>
Min Conc: <None>

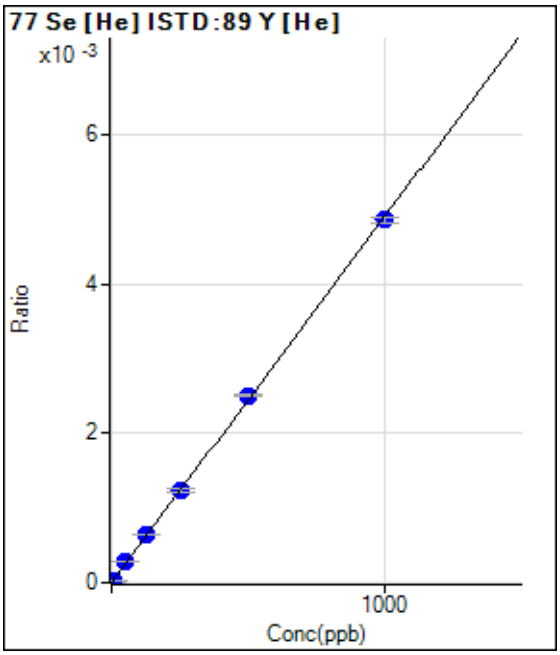


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	41.0
2	☐	1.000	1.196	430.01	0.0002	P	5.5
3	☐	50.000	52.395	18282.47	0.0069	P	2.5
4	☐	125.000	129.290	45740.46	0.0169	P	2.6
5	☐	250.000	255.182	90477.13	0.0334	P	1.6
6	☐	500.000	498.992	181585.25	0.0653	P	0.6
7	☐	1000.000	998.552	370355.74	0.1306	P	0.2
8	☐			458.90	0.0002	P	5.8

y = 1.3079E-004 * x + 4.5650E-006
R = 1.0000
DL = 0.04298
BEC = 0.0349

Weight: <None>
Min Conc: <None>

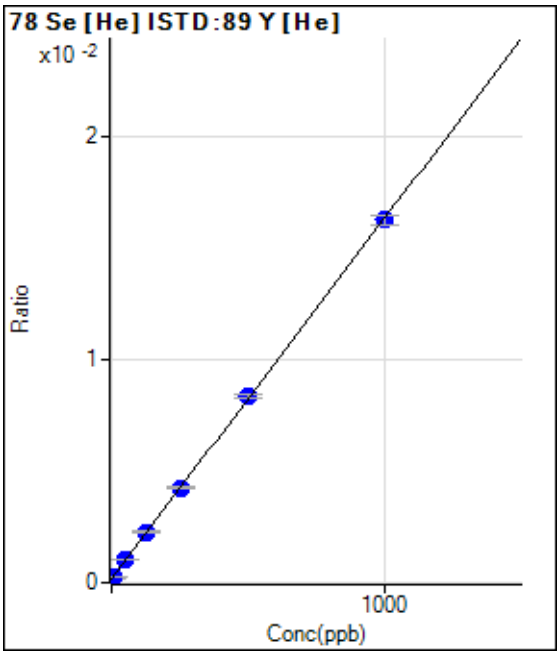
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	5.000	7.216	95.55	0.0000	P	7.5
3	☐	50.000	58.033	758.92	0.0003	P	6.1
4	☐	125.000	129.066	1711.23	0.0006	P	0.4
5	☐	250.000	252.865	3358.19	0.0012	P	4.0
6	☐	500.000	512.623	6987.26	0.0025	P	1.7
7	☐	1000.000	992.052	13779.83	0.0049	P	1.9
8	☐			11.11	0.0000	P	33.7

y = 4.8984E-006 * x + 4.1684E-007
R = 0.9999
DL = 0.4422
BEC = 0.0851

Weight: <None>
Min Conc: <None>

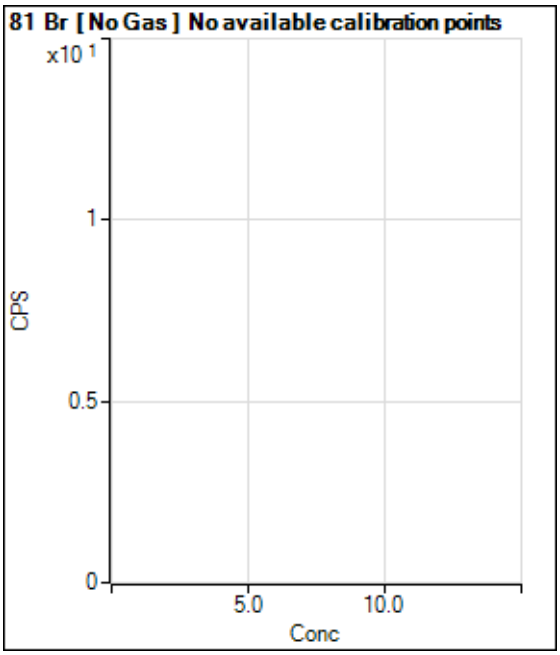


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	470.01	0.0002	P	7.4
2	☐	5.000	5.676	714.47	0.0003	P	5.9
3	☐	50.000	53.841	2785.85	0.0010	P	5.4
4	☐	125.000	128.647	6093.54	0.0023	P	2.8
5	☐	250.000	253.079	11551.28	0.0043	P	2.1
6	☐	500.000	504.982	23171.60	0.0083	P	2.2
7	☐	1000.000	996.088	46093.81	0.0163	P	2.6
8	☐			524.46	0.0002	P	13.2

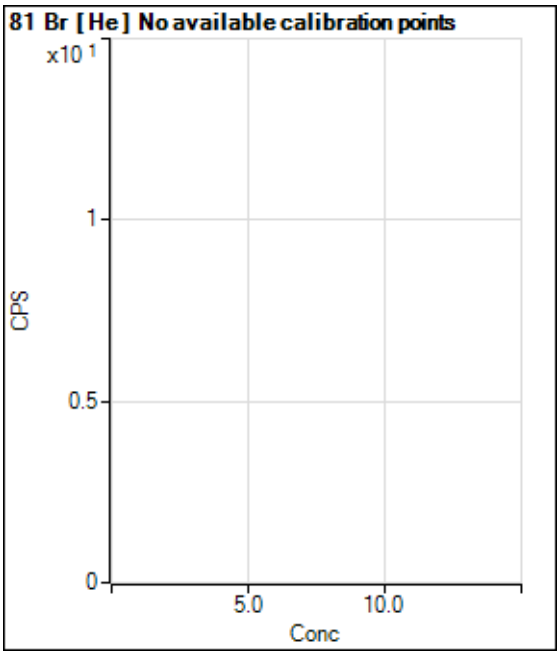
y = 1.6144E-005 * x + 1.7577E-004
R = 1.0000
DL = 2.415
BEC = 10.89

Weight: <None>
Min Conc: <None>

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

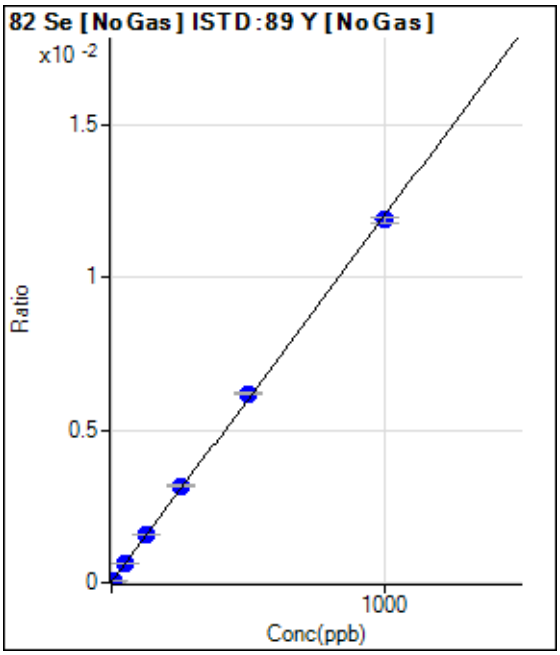


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8186.80		P	1.2
2	☐			8127.87		P	1.6
3	☐			8043.38		P	1.0
4	☐			8302.43		P	0.4
5	☐			8266.84		P	0.6
6	☐			8558.11		P	1.5
7	☐			8763.79		P	2.8
8	☐			9272.98		P	2.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			185.56		P	21.3
2	☐			175.56		P	14.0
3	☐			101.11		P	10.6
4	☐			115.56		P	13.3
5	☐			138.89		P	21.6
6	☐			144.45		P	9.3
7	☐			133.33		P	15.2
8	☐			190.00		P	7.6

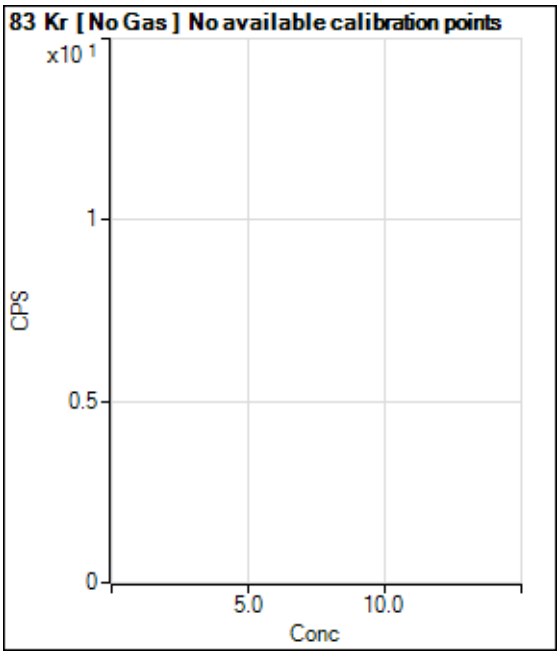
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	147.28	0.0000	P	6.2
2	☐	5.000	4.864	664.11	0.0001	P	13.6
3	☐	50.000	52.861	5709.79	0.0007	P	1.8
4	☐	125.000	130.836	14178.51	0.0016	P	1.8
5	☐	250.000	262.672	28240.25	0.0032	P	1.1
6	☐	500.000	514.283	56315.28	0.0062	P	1.0
7	☐	1000.000	988.819	111431.61	0.0119	P	1.4
8	☐			303.34	0.0000	P	14.2

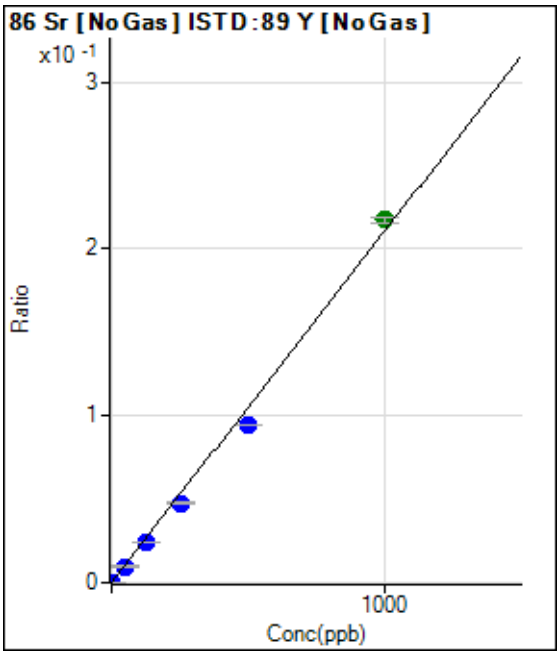
y = 1.1990E-005 * x + 1.6915E-005
R = 0.9998
DL = 0.2607
BEC = 1.411

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			458.90		P	2.3
2	☐			532.24		P	13.8
3	☐			513.35		P	9.6
4	☐			448.90		P	4.9
5	☐			493.35		P	7.2
6	☐			473.35		P	7.6
7	☐			483.35		P	1.8
8	☐			530.02		P	7.3

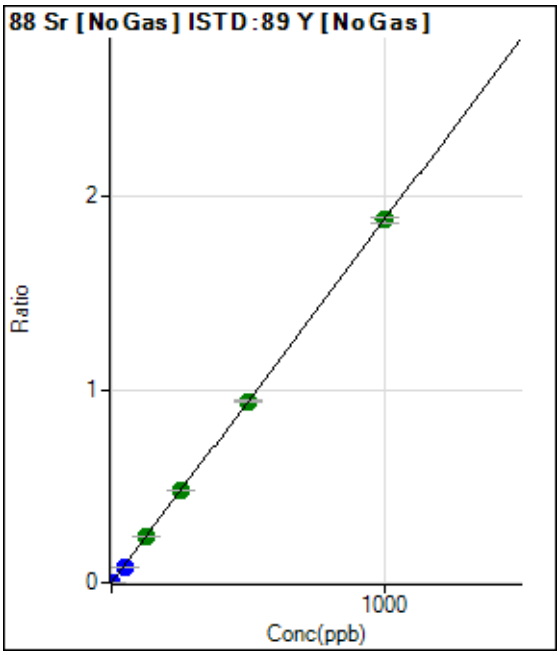
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	736.70	0.0001	P	4.0
2	☐	1.000	0.880	2382.44	0.0003	P	2.1
3	☐	50.000	46.139	85922.29	0.0098	P	0.8
4	☐	125.000	113.076	213465.49	0.0239	P	1.7
5	☐	250.000	226.722	426139.77	0.0478	P	1.5
6	☐	500.000	449.390	861819.35	0.0946	P	0.7
7	☐	1000.000	1032.808	2039873.70	0.2174	A	1.6
8	☐			25837.20	0.0028	P	0.9

y = 2.1037E-004 * x + 8.4557E-005
R = 0.9979
DL = 0.04797
BEC = 0.4019

Weight: <None>
Min Conc: <None>

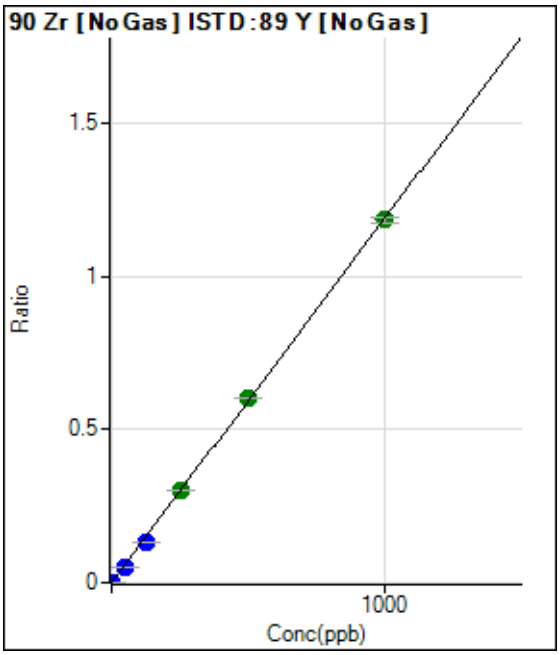


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.44	0.0000	P	1.7
2	☐	1.000	0.852	14260.35	0.0016	P	2.0
3	☐	50.000	44.557	735751.86	0.0838	P	0.8
4	☐	125.000	125.573	2112710.56	0.2363	A	0.8
5	☐	250.000	254.566	4271692.22	0.4789	A	1.5
6	☐	500.000	499.307	8555837.09	0.9394	A	0.5
7	☐	1000.000	999.406	17649681.82	1.8803	A	1.4
8	☐			218196.37	0.0234	P	1.6

y = 0.0019 * x + 1.0840E-005
R = 1.0000
DL = 0.0003
BEC = 0.005762

Weight: <None>
Min Conc: <None>

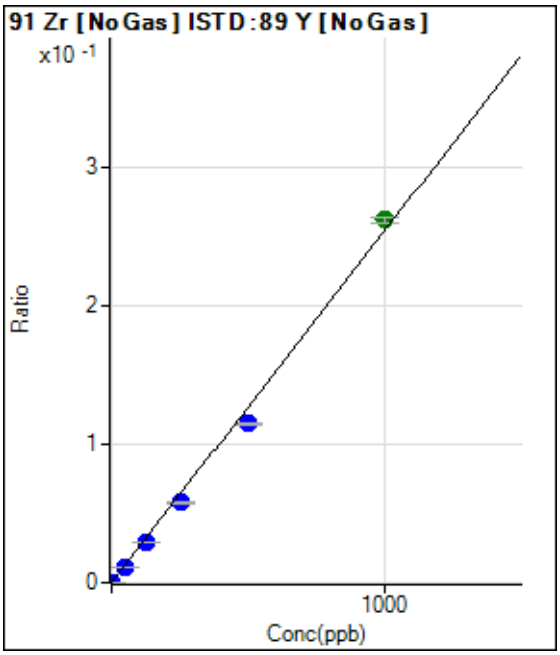
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	298.89	0.0000	P	12.8
2	☐	1.000	0.890	9636.58	0.0011	P	1.6
3	☐	50.000	44.400	462756.25	0.0527	P	0.5
4	☐	125.000	109.224	1159446.06	0.1297	P	1.2
5	☐	250.000	254.196	2691383.55	0.3017	A	1.5
6	☐	500.000	508.372	5495403.46	0.6034	A	0.4
7	☐	1000.000	997.017	11106534.14	1.1833	A	1.6
8	☐			9225.20	0.0010	P	0.2

y = 0.0012 * x + 3.4255E-005
R = 0.9998
DL = 0.01109
BEC = 0.02886

Weight: <None>
Min Conc: <None>

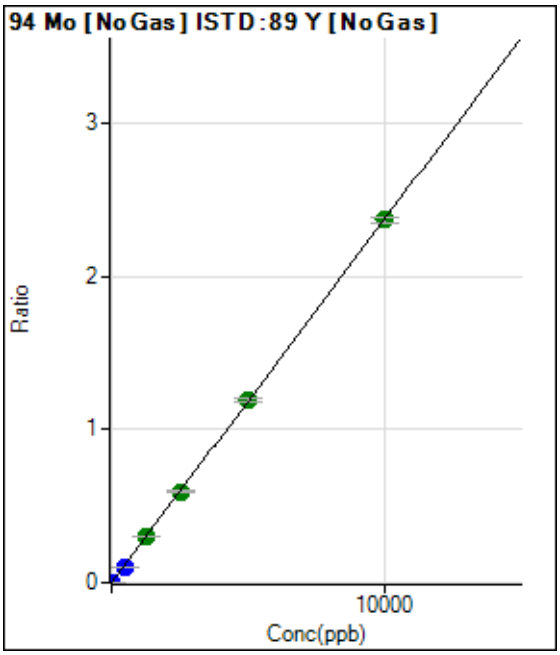


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0000	P	6.3
2	☐	1.000	0.919	2112.40	0.0002	P	0.7
3	☐	50.000	45.832	102074.38	0.0116	P	0.5
4	☐	125.000	113.466	257398.64	0.0288	P	2.0
5	☐	250.000	227.013	513604.17	0.0576	P	1.5
6	☐	500.000	451.912	1044002.16	0.1146	P	0.4
7	☐	1000.000	1031.441	2455434.46	0.2616	A	1.5
8	☐			1994.60	0.0002	P	2.9

y = 2.5364E-004 * x + 6.1219E-006
R = 0.9981
DL = 0.004539
BEC = 0.02414

Weight: <None>
Min Conc: <None>

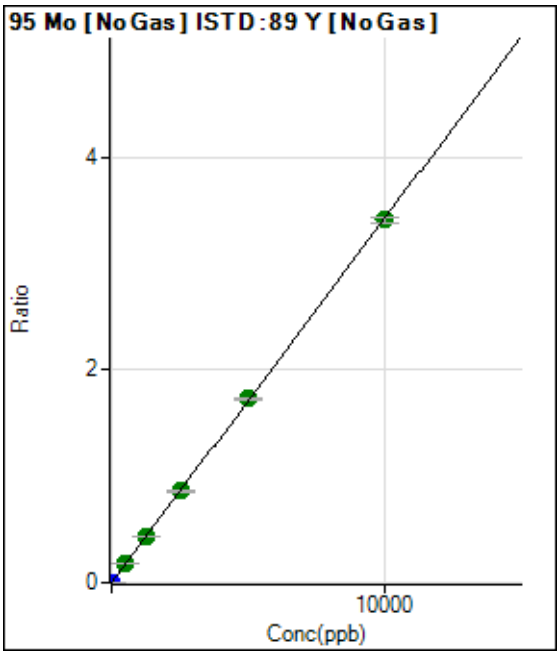
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	240.00	0.0000	P	9.1
2	☐	5.000	5.180	11107.63	0.0013	P	5.7
3	☐	500.000	446.244	930368.31	0.1060	P	0.6
4	☐	1250.000	1256.526	2668843.40	0.2985	A	0.6
5	☐	2500.000	2508.549	5314267.28	0.5958	A	2.3
6	☐	5000.000	5029.339	10879652.06	1.1945	A	1.2
7	☐	10000.000	9985.065	22257376.34	2.3715	A	1.7
8	☐			6503.73	0.0007	P	2.5

y = 2.3751E-004 * x + 2.7574E-005
R = 1.0000
DL = 0.03174
BEC = 0.1161

Weight: <None>
Min Conc: <None>

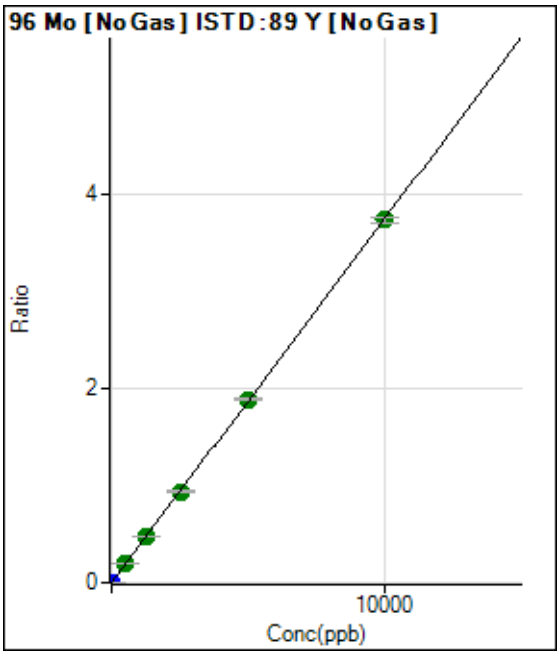


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	190.00	0.0000	P	4.8
2	☐	5.000	4.283	13139.32	0.0015	P	0.9
3	☐	500.000	510.548	1533174.70	0.1747	A	1.6
4	☐	1250.000	1264.327	3868728.31	0.4327	A	2.1
5	☐	2500.000	2521.958	7696995.16	0.8630	A	1.4
6	☐	5000.000	5052.896	15747555.32	1.7290	A	0.6
7	☐	10000.000	9965.745	32006270.08	3.4101	A	1.3
8	☐			5189.86	0.0006	P	2.1

y = 3.4218E-004 * x + 2.1819E-005
R = 1.0000
DL = 0.009222
BEC = 0.06376

Weight: <None>
Min Conc: <None>

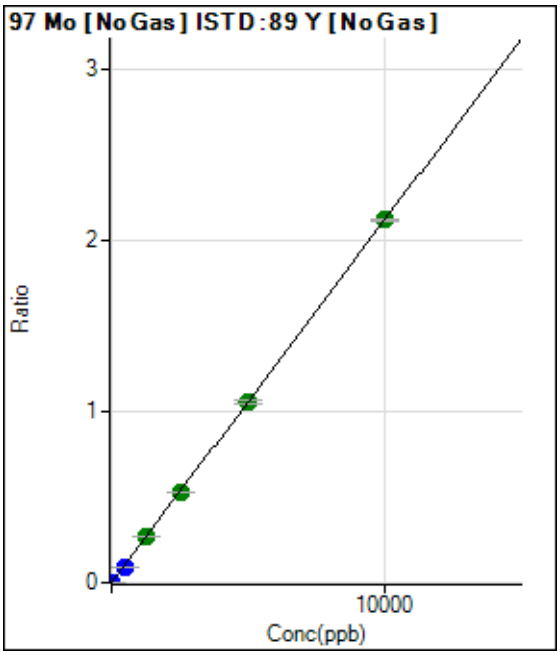
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	227.78	0.0000	P	14.1
2	☐	5.000	4.375	14666.35	0.0017	P	1.8
3	☐	500.000	514.095	1685020.03	0.1920	A	2.0
4	☐	1250.000	1252.450	4182904.49	0.4678	A	0.9
5	☐	2500.000	2504.832	8343581.61	0.9355	A	1.5
6	☐	5000.000	5037.445	17135484.47	1.8814	A	0.7
7	☐	10000.000	9979.059	34978949.76	3.7269	A	1.4
8	☐			10470.51	0.0011	P	0.7

y = 3.7347E-004 * x + 2.6185E-005
R = 1.0000
DL = 0.02972
BEC = 0.07011

Weight: <None>
Min Conc: <None>

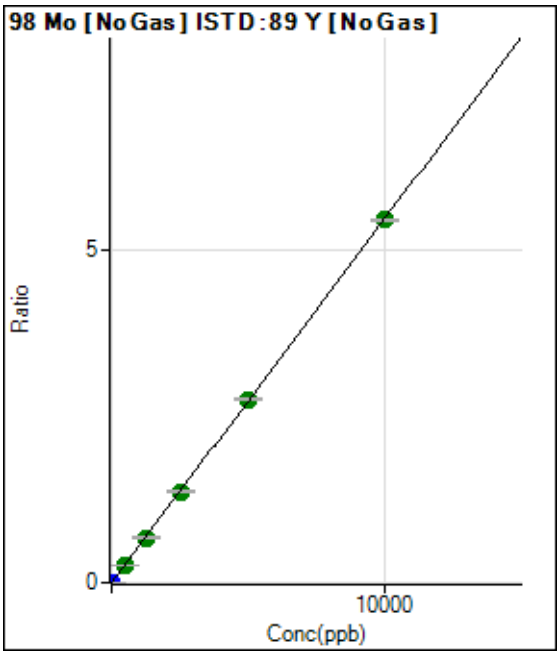


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	158.89	0.0000	P	8.7
2	☐	5.000	4.285	8187.92	0.0009	P	2.4
3	☐	500.000	442.597	823847.85	0.0939	P	0.9
4	☐	1250.000	1257.055	2383914.06	0.2666	A	1.1
5	☐	2500.000	2490.820	4711015.31	0.5282	A	1.6
6	☐	5000.000	4989.334	9637159.02	1.0581	A	1.3
7	☐	10000.000	10009.617	19923374.42	2.1227	A	0.9
8	☐			3219.27	0.0003	P	4.4

y = 2.1207E-004 * x + 1.8228E-005
R = 1.0000
DL = 0.02249
BEC = 0.08595

Weight: <None>
Min Conc: <None>

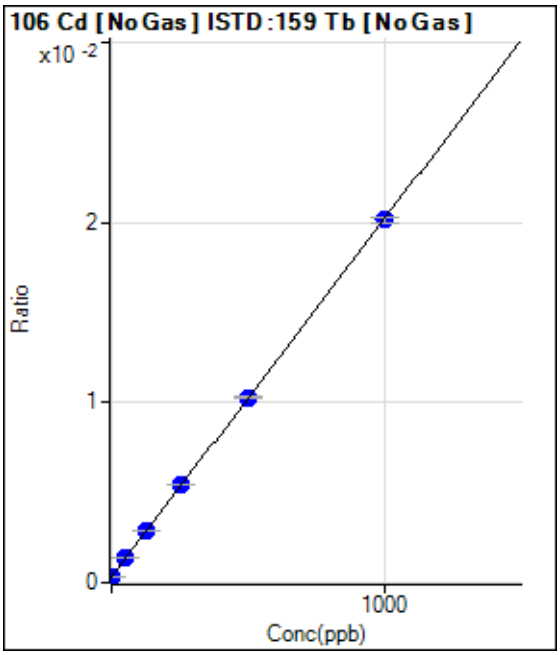
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	328.90	0.0000	P	2.2
2	☐	5.000	4.289	21027.45	0.0024	P	4.5
3	☐	500.000	499.765	2396252.48	0.2730	A	0.8
4	☐	1250.000	1241.063	6062612.13	0.6780	A	1.5
5	☐	2500.000	2510.460	12231311.21	1.3714	A	1.3
6	☐	5000.000	5041.730	25085821.85	2.7542	A	1.5
7	☐	10000.000	9977.649	51156660.35	5.4505	A	0.8
8	☐			8336.91	0.0009	P	2.1

y = 5.4627E-004 * x + 3.7757E-005
R = 1.0000
DL = 0.004466
BEC = 0.06912

Weight: <None>
Min Conc: <None>

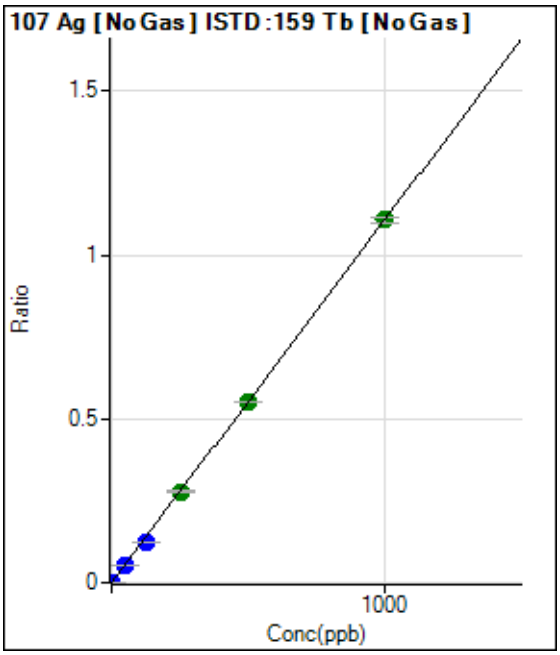


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2131.29	0.0003	P	3.7
2	☐	1.000	0.063	2194.64	0.0003	P	3.7
3	☐	50.000	52.368	9270.83	0.0014	P	1.0
4	☐	125.000	129.812	20002.77	0.0029	P	0.8
5	☐	250.000	255.437	37625.48	0.0054	P	0.2
6	☐	500.000	501.768	73606.63	0.0103	P	1.1
7	☐	1000.000	997.038	145555.01	0.0201	P	1.8
8	☐			2304.65	0.0003	P	3.1

y = 1.9878E-005 * x + 3.2083E-004
R = 1.0000
DL = 1.78
BEC = 16.14

Weight: <None>
Min Conc: <None>

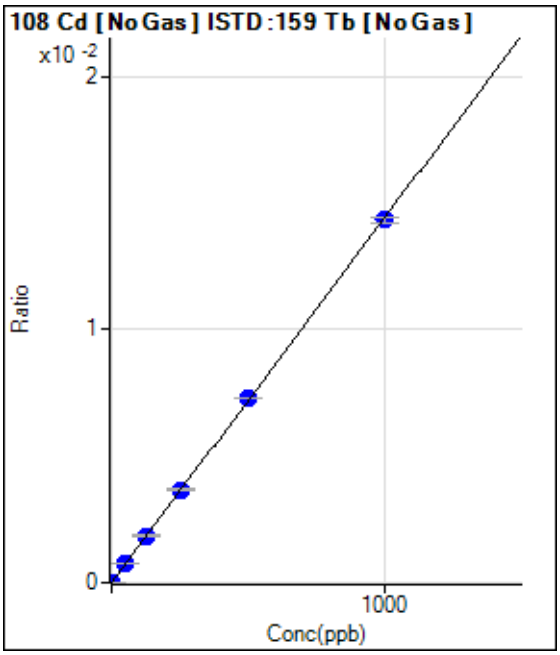
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34.45	0.0000	P	9.6
2	☐	1.000	0.954	7220.76	0.0011	P	4.3
3	☐	50.000	45.516	342580.48	0.0503	P	1.0
4	☐	125.000	112.193	855048.38	0.1240	P	2.2
5	☐	250.000	251.990	1941478.72	0.2786	A	0.6
6	☐	500.000	500.170	3953556.61	0.5529	A	0.4
7	☐	1000.000	1001.243	7999385.65	1.1068	A	1.4
8	☐			897.81	0.0001	P	4.5

y = 0.0011 * x + 5.1775E-006
R = 0.9999
DL = 0.001354
BEC = 0.004684

Weight: <None>
Min Conc: <None>

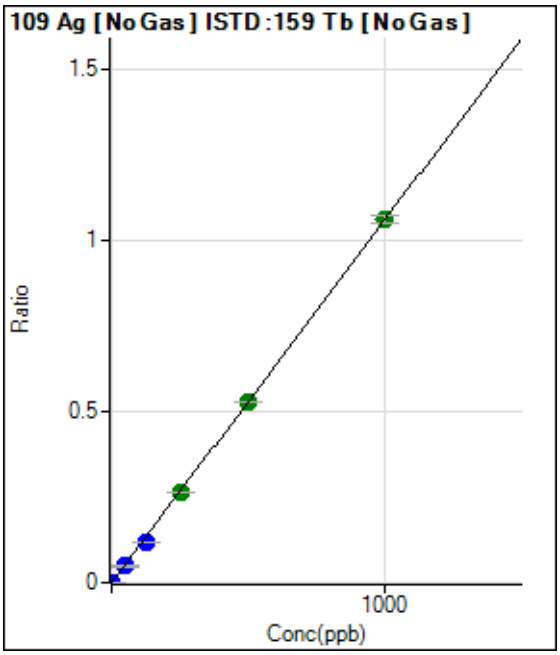


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	98.7
2	☐	1.000	0.962	97.78	0.0000	P	19.1
3	☐	50.000	52.875	5185.42	0.0008	P	2.0
4	☐	125.000	128.729	12781.27	0.0019	P	0.7
5	☐	250.000	255.485	25637.23	0.0037	P	1.3
6	☐	500.000	506.166	52109.01	0.0073	P	0.4
7	☐	1000.000	994.936	103531.31	0.0143	P	1.5
8	☐			91.11	0.0000	P	0.7

y = 1.4397E-005 * x + 4.9805E-007
R = 1.0000
DL = 0.1024
BEC = 0.03459

Weight: <None>
Min Conc: <None>

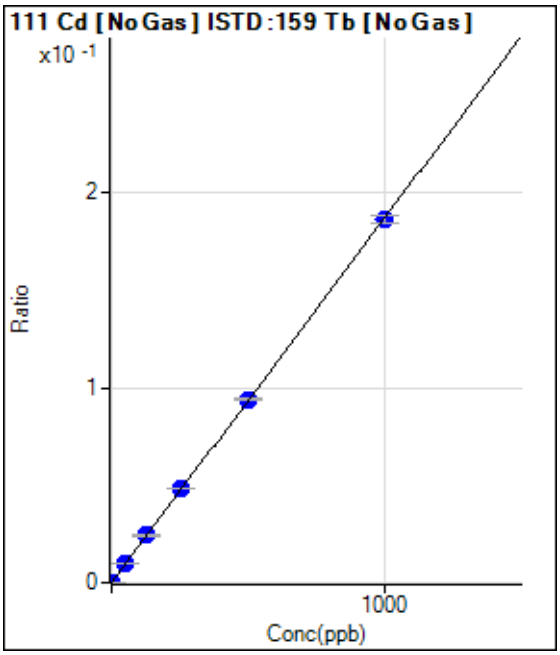
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	23.8
2	☐	1.000	0.933	6770.53	0.0010	P	3.9
3	☐	50.000	45.118	325672.78	0.0478	P	1.5
4	☐	125.000	111.837	817459.66	0.1186	P	1.9
5	☐	250.000	250.468	1850829.07	0.2655	A	0.3
6	☐	500.000	500.763	3796272.41	0.5309	A	0.3
7	☐	1000.000	1001.391	7672704.96	1.0617	A	2.1
8	☐			805.59	0.0001	P	3.9

y = 0.0011 * x + 4.0061E-006
R = 0.9999
DL = 0.002696
BEC = 0.003779

Weight: <None>
Min Conc: <None>

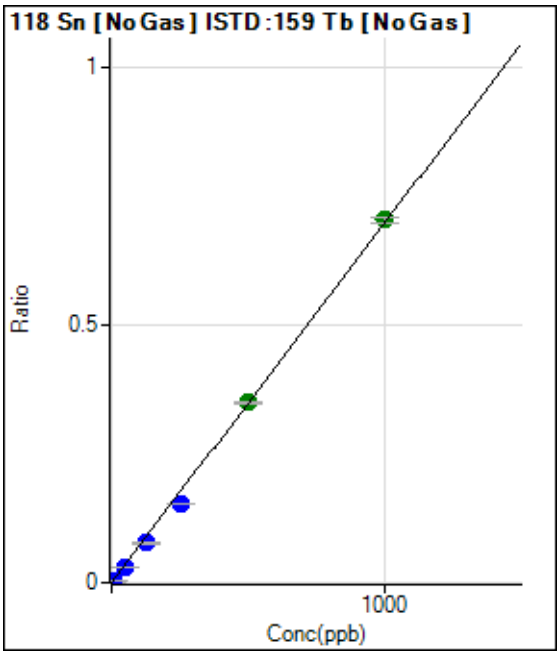


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	219.68	0.0000	P	4.5
2	☐	1.000	0.954	1439.98	0.0002	P	1.6
3	☐	50.000	53.122	67809.18	0.0100	P	1.7
4	☐	125.000	129.626	167235.42	0.0243	P	2.3
5	☐	250.000	257.076	335086.37	0.0481	P	0.6
6	☐	500.000	503.814	673450.98	0.0942	P	0.6
7	☐	1000.000	995.590	1344883.75	0.1861	P	2.2
8	☐			921.16	0.0001	P	1.9

y = 1.8689E-004 * x + 3.3072E-005
R = 1.0000
DL = 0.0241
BEC = 0.177

Weight: <None>
Min Conc: <None>

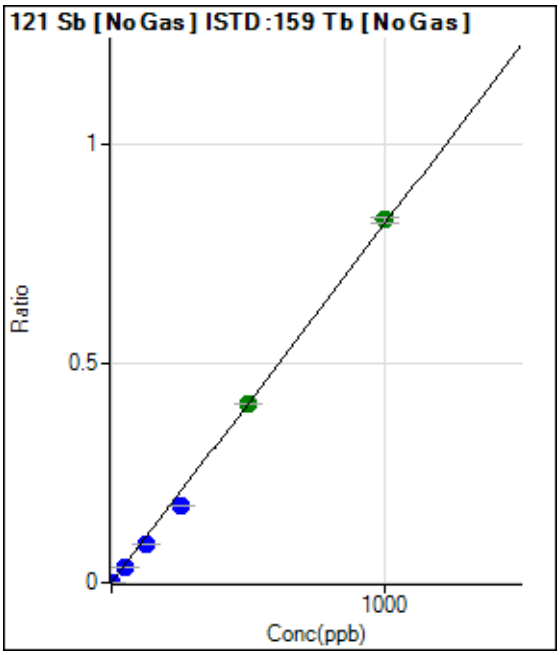
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1114.50	0.0002	P	6.5
2	☐	5.000	4.262	21387.97	0.0031	P	3.0
3	☐	50.000	44.247	211170.35	0.0310	P	1.3
4	☐	125.000	110.138	530591.52	0.0770	P	2.2
5	☐	250.000	219.447	1067610.31	0.1532	P	0.5
6	☐	500.000	500.954	2499002.69	0.3495	A	0.7
7	☐	1000.000	1009.310	5087418.50	0.7039	A	1.7
8	☐			2337.99	0.0003	P	3.3

y = 6.9728E-004 * x + 1.6759E-004
R = 0.9995
DL = 0.04676
BEC = 0.2403

Weight: <None>
Min Conc: <None>

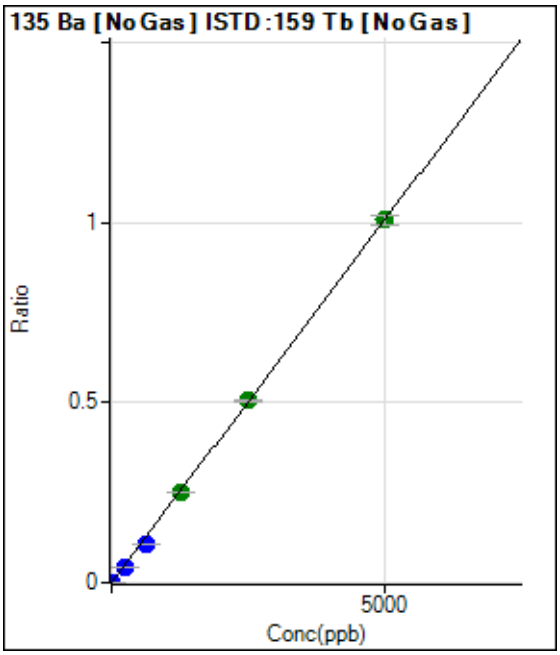


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.00	0.0000	P	38.2
2	☐	2.000	1.714	9604.41	0.0014	P	2.4
3	☐	50.000	43.855	244460.48	0.0359	P	1.1
4	☐	125.000	108.772	613963.23	0.0891	P	1.9
5	☐	250.000	214.752	1225383.95	0.1758	P	0.4
6	☐	500.000	498.332	2917225.62	0.4080	A	0.2
7	☐	1000.000	1011.982	5987586.99	0.8285	A	1.7
8	☐			4296.24	0.0006	P	4.7

y = 8.1869E-004 * x + 6.0434E-006
R = 0.9993
DL = 0.008461
BEC = 0.007382

Weight: <None>
Min Conc: <None>

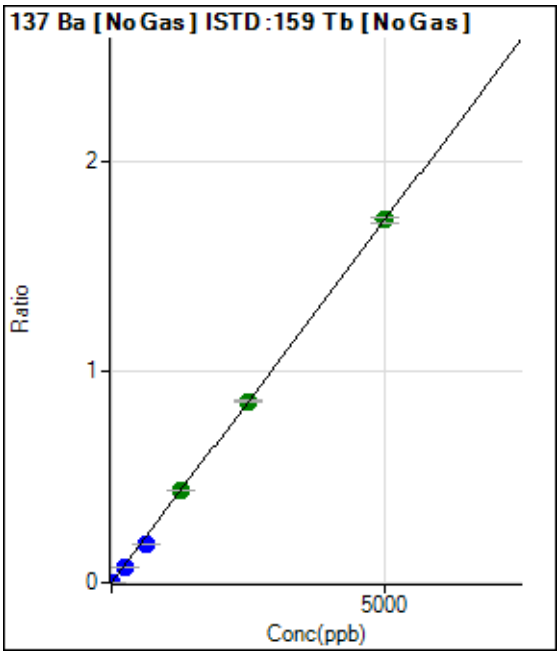
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	37.2
2	☐	10.000	8.110	11132.24	0.0016	P	2.7
3	☐	250.000	213.635	292427.90	0.0430	P	0.6
4	☐	625.000	530.018	734641.58	0.1066	P	2.1
5	☐	1250.000	1249.231	1750555.90	0.2512	A	0.5
6	☐	2500.000	2516.545	3618037.41	0.5060	A	0.9
7	☐	5000.000	5005.615	7272973.71	1.0064	A	2.7
8	☐			3488.24	0.0005	P	3.7

y = 2.0105E-004 * x + 3.3343E-006
R = 0.9998
DL = 0.01849
BEC = 0.01658

Weight: <None>
Min Conc: <None>

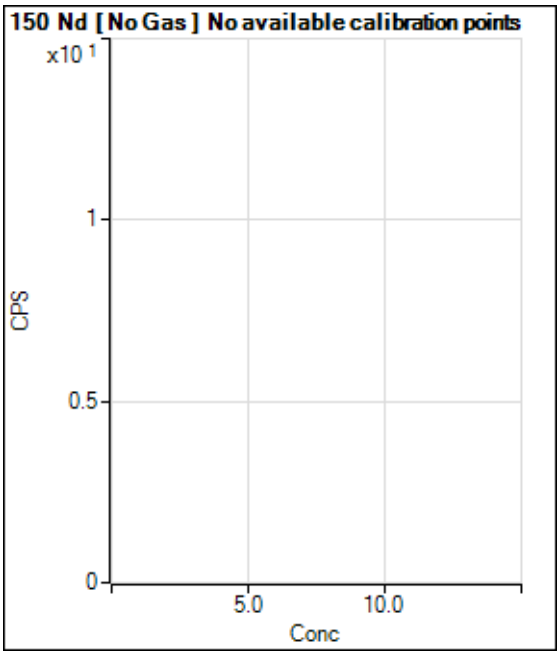


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36.67	0.0000	P	10.3
2	☐	10.000	8.193	19205.31	0.0028	P	2.0
3	☐	250.000	217.755	509084.86	0.0748	P	0.4
4	☐	625.000	538.885	1275733.92	0.1850	P	1.9
5	☐	1250.000	1268.175	3034978.19	0.4355	A	0.8
6	☐	2500.000	2502.047	6143171.30	0.8592	A	0.8
7	☐	5000.000	5006.813	12425113.56	1.7192	A	1.9
8	☐			6046.90	0.0008	P	0.7

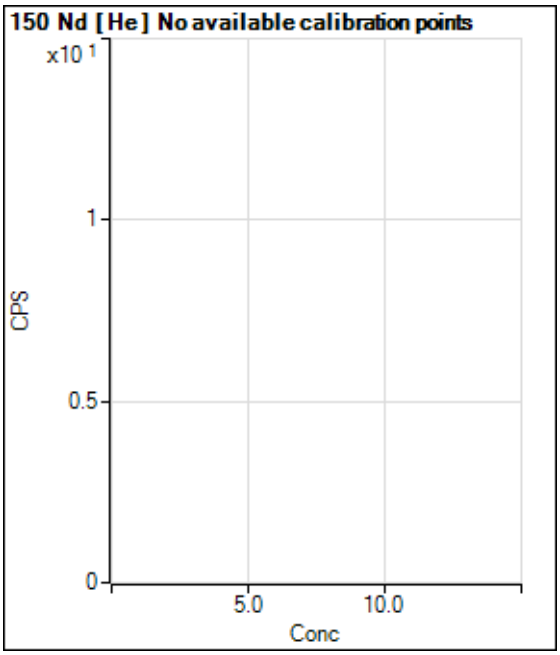
y = 3.4338E-004 * x + 5.5216E-006
R = 0.9998
DL = 0.004976
BEC = 0.01608

Weight: <None>
Min Conc: <None>

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

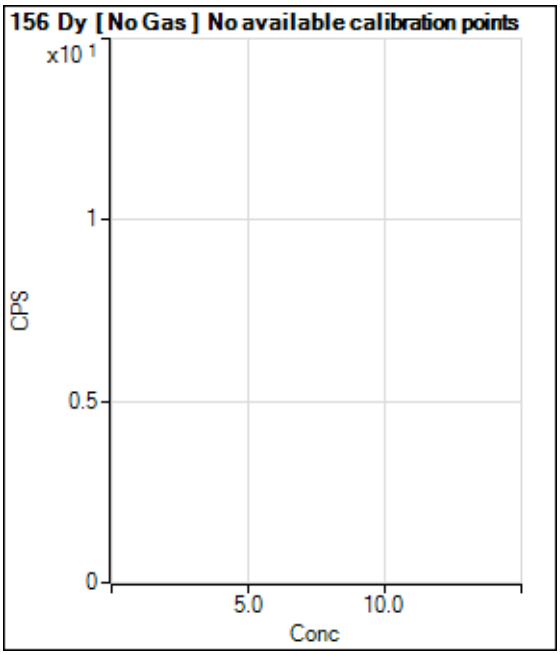


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	21.6
2	☐			3.33		P	100.
3	☐			18.89		P	71.3
4	☐			33.33		P	26.5
5	☐			71.11		P	24.1
6	☐			147.78		P	13.6
7	☐			268.89		P	15.7
8	☐			115.56		P	6.7

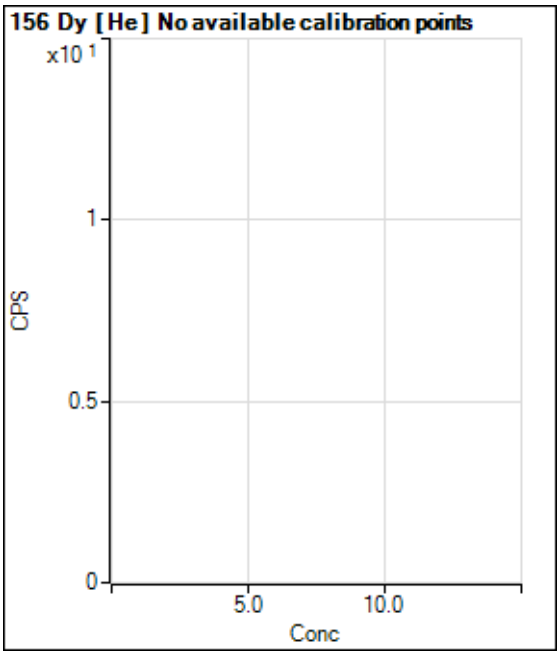


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	100.
2	☐			3.33		P	100.
3	☐			7.78		P	65.5
4	☐			23.33		P	24.7
5	☐			22.22		P	22.9
6	☐			38.89		P	32.4
7	☐			110.00		P	24.1
8	☐			94.45		P	14.3

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

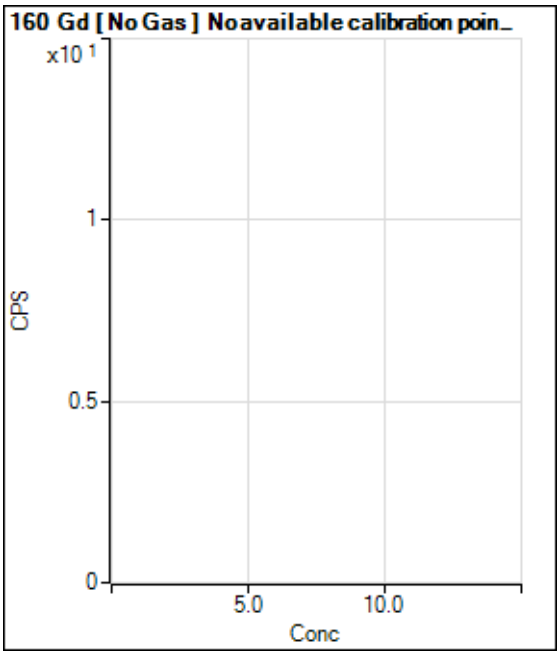


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	94.4
2	☐			8.89		P	43.3
3	☐			13.33		P	25.0
4	☐			20.00		P	44.1
5	☐			37.78		P	22.2
6	☐			66.67		P	10.0
7	☐			151.11		P	17.1
8	☐			286.67		P	9.3

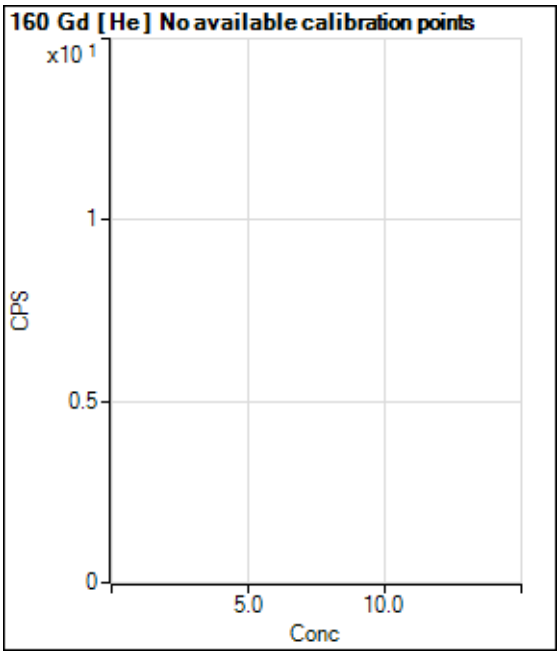


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.56		P	173.
2	☐			4.44		P	114.
3	☐			21.11		P	24.1
4	☐			51.11		P	26.4
5	☐			82.22		P	4.7
6	☐			157.78		P	15.9
7	☐			310.01		P	10.3
8	☐			285.56		P	3.8

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

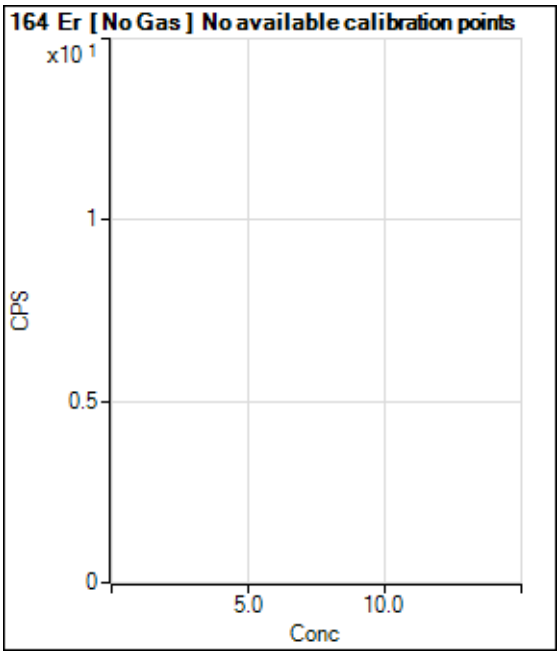


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			56.67		P	25.6
2	☐			42.22		P	9.1
3	☐			58.89		P	18.2
4	☐			65.56		P	22.9
5	☐			72.22		P	26.2
6	☐			95.56		P	5.3
7	☐			155.56		P	8.9
8	☐			372.23		P	15.3

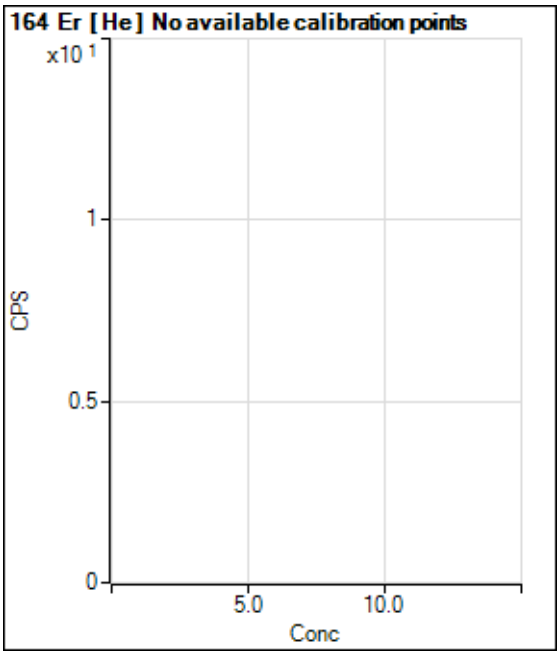


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			268.89		P	12.2
2	☐			238.89		P	8.2
3	☐			274.45		P	14.1
4	☐			293.34		P	16.0
5	☐			287.78		P	11.3
6	☐			337.79		P	3.5
7	☐			390.01		P	8.5
8	☐			537.79		P	8.0

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

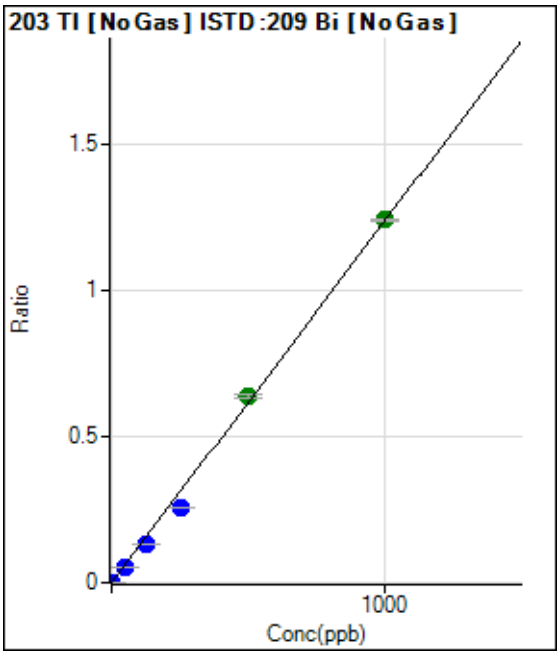


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			43.33		P	20.3
2	☐			36.67		P	36.4
3	☐			46.67		P	25.8
4	☐			50.00		P	35.3
5	☐			72.22		P	11.6
6	☐			146.67		P	21.9
7	☐			213.34		P	15.4
8	☐			622.24		P	3.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			35.56		P	39.0
2	☐			37.78		P	13.5
3	☐			42.22		P	9.1
4	☐			62.22		P	17.2
5	☐			80.00		P	4.2
6	☐			132.22		P	2.9
7	☐			165.56		P	8.4
8	☐			497.79		P	9.1

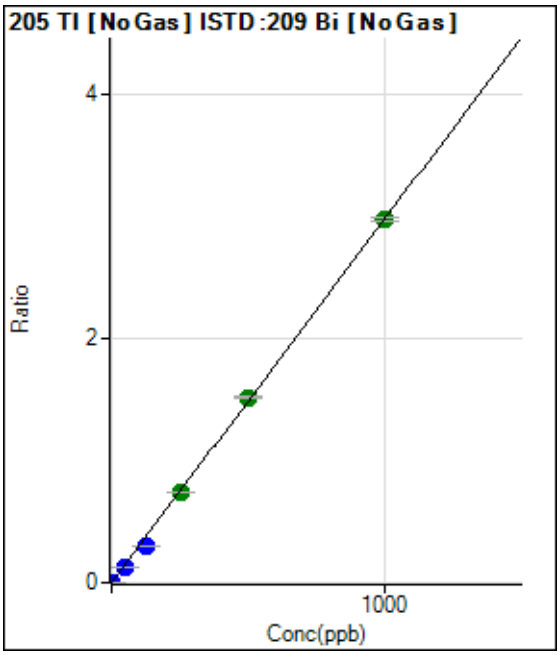
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	108.89	0.0000	P	20.8
2	☐	1.000	0.849	4620.82	0.0011	P	3.9
3	☐	50.000	41.624	222449.93	0.0513	P	1.6
4	☐	125.000	104.766	562338.37	0.1292	P	0.3
5	☐	250.000	208.731	1124340.04	0.2574	P	1.2
6	☐	500.000	517.057	2800929.44	0.6375	A	1.8
7	☐	1000.000	1004.737	5593703.25	1.2387	A	0.3
8	☐			4249.60	0.0010	P	0.9

y = 0.0012 * x + 2.5751E-005
R = 0.9988
DL = 0.01302
BEC = 0.02089

Weight: <None>
Min Conc: <None>

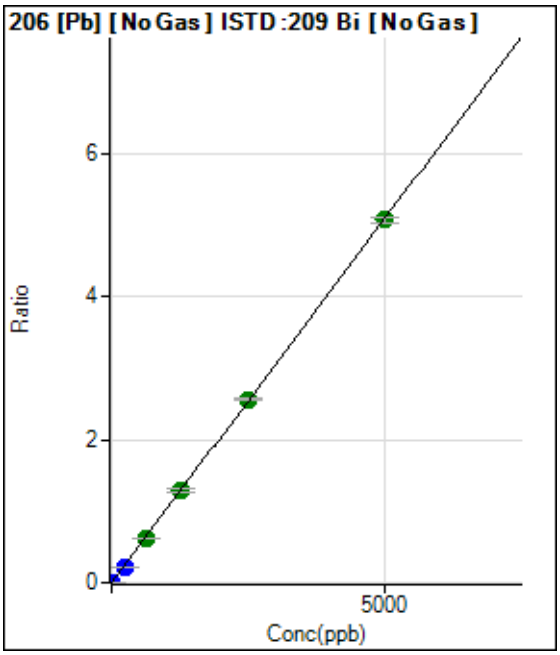


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	266.67	0.0001	P	7.8
2	☐	1.000	0.839	11016.77	0.0026	P	3.6
3	☐	50.000	41.181	530930.45	0.1225	P	1.7
4	☐	125.000	102.589	1328403.09	0.3052	P	0.5
5	☐	250.000	248.813	3233461.24	0.7401	A	0.6
6	☐	500.000	510.418	6670374.49	1.5182	A	1.3
7	☐	1000.000	998.330	13408133.55	2.9693	A	1.0
8	☐			10202.81	0.0024	P	1.9

y = 0.0030 * x + 6.3139E-005
R = 0.9997
DL = 0.004952
BEC = 0.02123

Weight: <None>
Min Conc: <None>

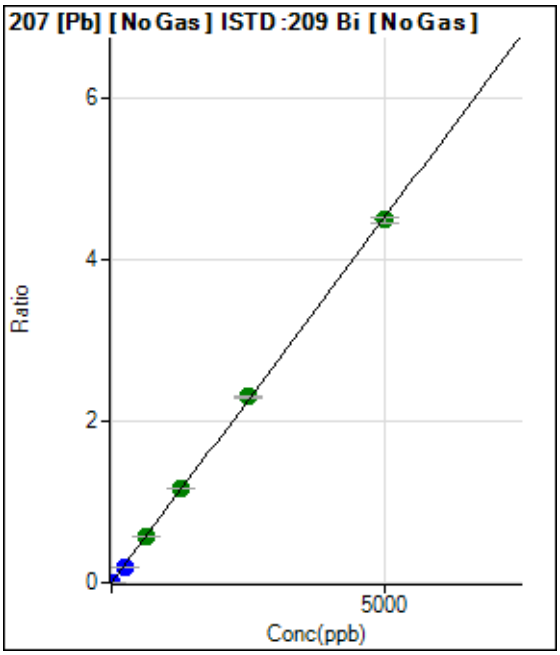
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	391.12	0.0001	P	2.9
2	☐	1.000	0.675	3353.79	0.0008	P	1.3
3	☐	250.000	208.390	917900.76	0.2119	P	1.2
4	☐	625.000	612.748	2710985.76	0.6228	A	0.8
5	☐	1250.000	1270.092	5638477.21	1.2907	A	3.0
6	☐	2500.000	2521.987	11260563.30	2.5629	A	0.9
7	☐	5000.000	4987.596	22886155.49	5.0683	A	1.4
8	☐			5086.57	0.0012	P	2.3

y = 0.0010 * x + 9.2645E-005
R = 0.9999
DL = 0.007867
BEC = 0.09117

Weight: <None>
Min Conc: <None>

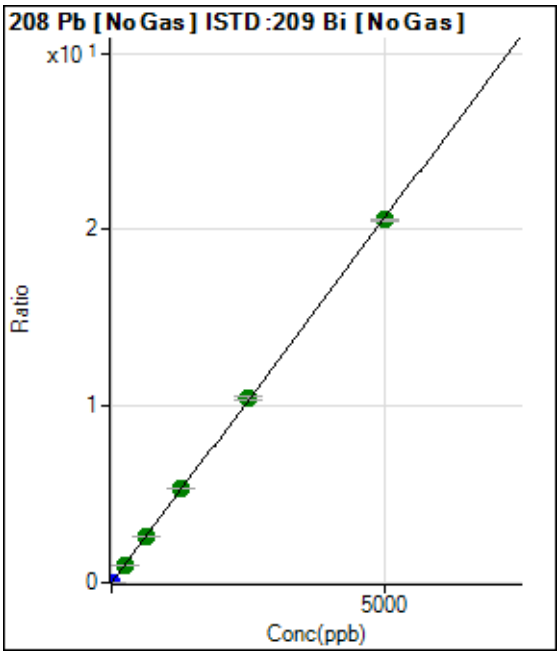


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	344.45	0.0001	P	5.8
2	☐	1.000	0.694	3054.83	0.0007	P	3.4
3	☐	250.000	205.175	803924.08	0.1856	P	1.7
4	☐	625.000	627.020	2467489.84	0.5669	A	1.5
5	☐	1250.000	1292.206	5103826.80	1.1682	A	1.2
6	☐	2500.000	2547.765	10120196.59	2.3032	A	1.5
7	☐	5000.000	4967.555	20278500.53	4.4907	A	1.3
8	☐			4377.41	0.0010	P	1.5

y = 9.0398E-004 * x + 8.1588E-005
R = 0.9998
DL = 0.01577
BEC = 0.09025

Weight: <None>
Min Conc: <None>

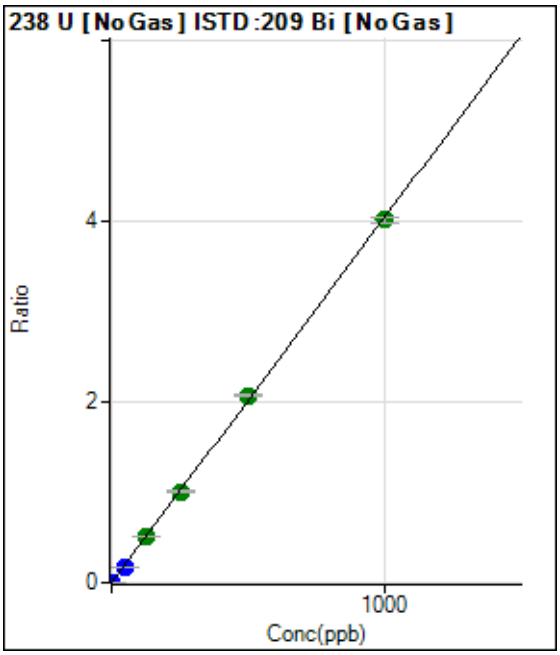
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1672.29	0.0004	P	2.3
2	☐	1.000	0.681	13811.81	0.0032	P	0.9
3	☐	250.000	228.376	4088150.34	0.9435	A	1.2
4	☐	625.000	623.054	11202104.05	2.5735	A	0.2
5	☐	1250.000	1287.787	23237685.76	5.3187	A	0.7
6	☐	2500.000	2534.393	45989401.47	10.4669	A	1.4
7	☐	5000.000	4974.681	92774728.06	20.5448	A	0.5
8	☐			20390.70	0.0049	P	1.3

y = 0.0041 * x + 3.9609E-004
R = 0.9999
DL = 0.006553
BEC = 0.09591

Weight: <None>
Min Conc: <None>

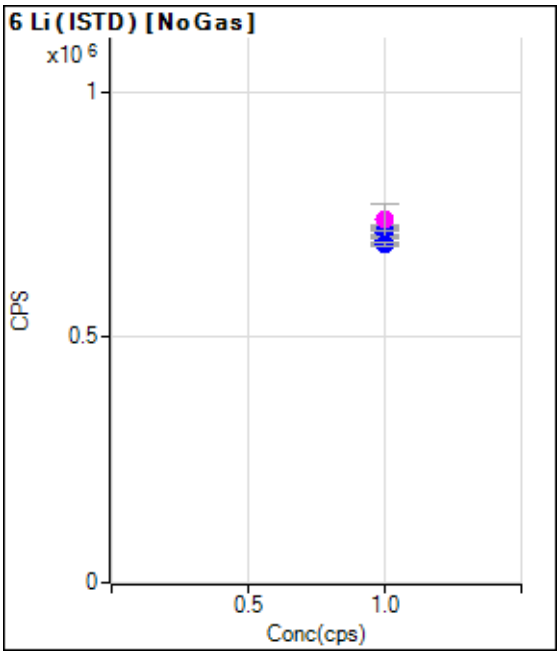


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.55	0.0000	P	93.1
2	☐	1.000	0.781	13633.76	0.0032	P	0.9
3	☐	50.000	40.711	713401.80	0.1647	P	1.4
4	☐	125.000	124.904	2198711.51	0.5052	A	1.1
5	☐	250.000	250.131	4419760.04	1.0116	A	0.3
6	☐	500.000	513.339	9121726.53	2.0761	A	0.6
7	☐	1000.000	993.775	18147326.26	4.0192	A	1.4
8	☐			486.68	0.0001	P	9.9

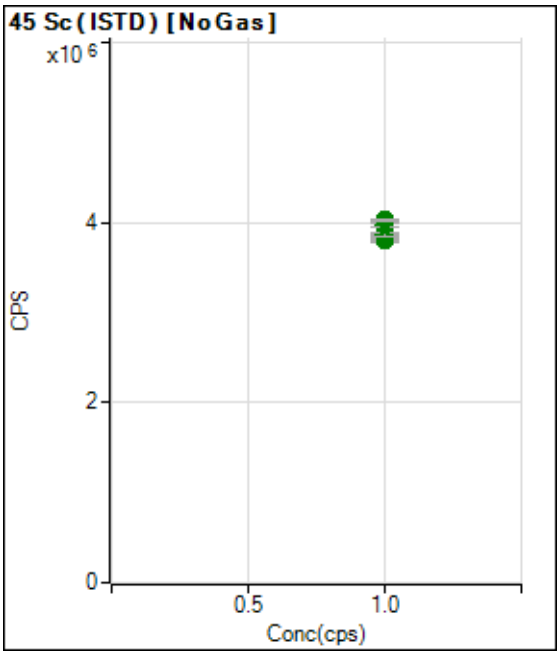
y = 0.0040 * x + 6.0005E-006
R = 0.9998
DL = 0.004146
BEC = 0.001484

Weight: <None>
Min Conc: <None>

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

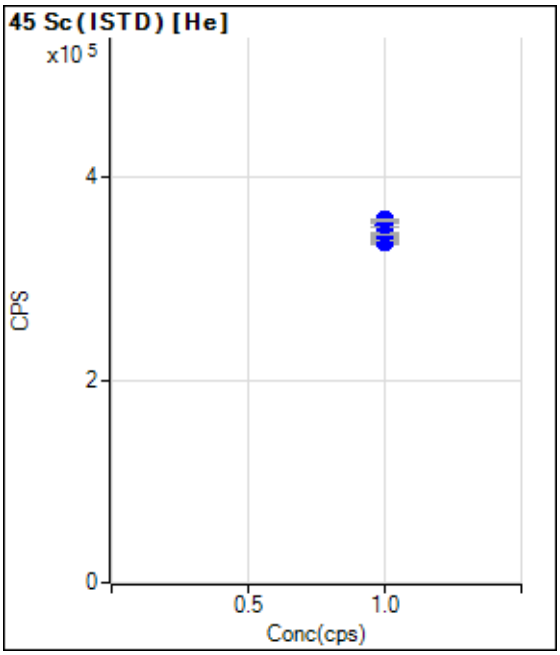


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		695221.85		P	1.9
2	☐	1.000		717632.20		P	0.4
3	☐	1.000		712647.32		P	0.7
4	☐	1.000		725217.43		P	0.4
5	☐	1.000		717926.68		P	0.4
6	☐	1.000		716914.36		P	0.4
7	☐	1.000		738940.54		M	9.1
8	☐	1.000		689338.02		P	1.4

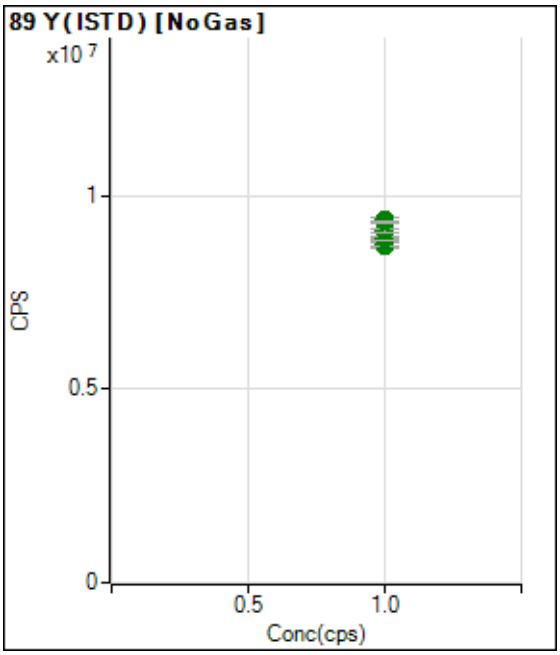


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3809887.97		A	1.7
2	☐	1.000		3882910.26		A	0.6
3	☐	1.000		3821963.45		A	0.5
4	☐	1.000		3862800.22		A	1.0
5	☐	1.000		3835496.19		A	0.7
6	☐	1.000		3867901.29		A	1.3
7	☐	1.000		3985852.51		A	1.0
8	☐	1.000		4033523.41		A	0.3

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

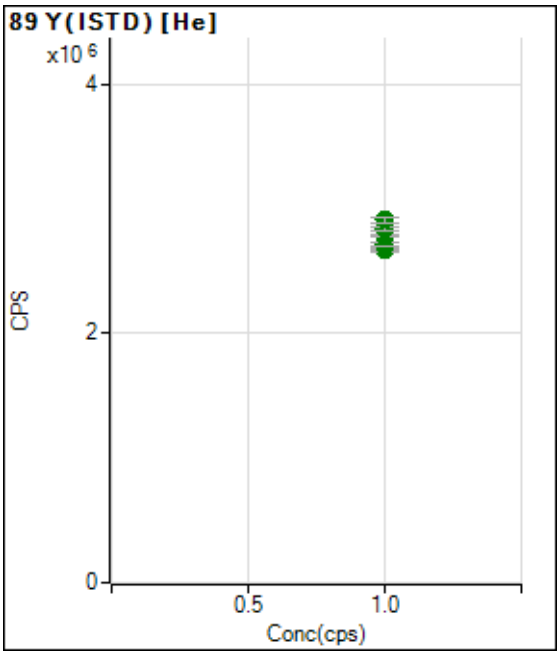


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		339546.26		P	0.2
2	☐	1.000		342193.98		P	0.6
3	☐	1.000		335707.87		P	0.4
4	☐	1.000		339486.81		P	0.6
5	☐	1.000		338755.50		P	0.2
6	☐	1.000		345126.76		P	0.3
7	☐	1.000		352999.99		P	1.3
8	☐	1.000		358457.78		P	0.5

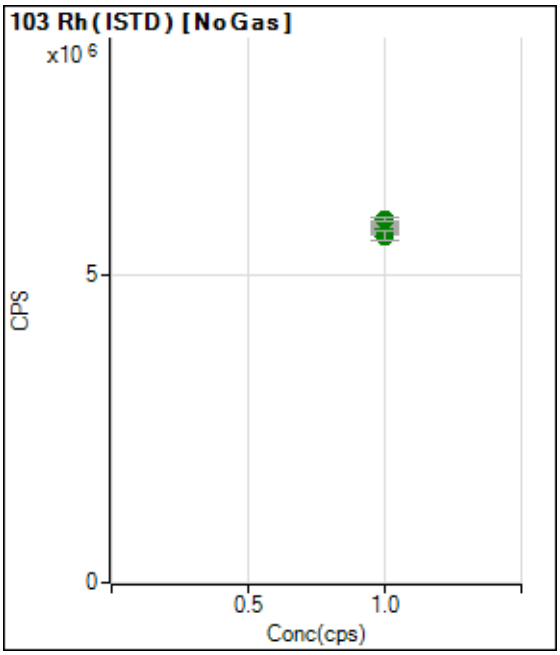


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8713011.33		A	1.7
2	☐	1.000		8834629.59		A	1.1
3	☐	1.000		8776556.60		A	1.8
4	☐	1.000		8942162.99		A	0.3
5	☐	1.000		8919389.11		A	1.2
6	☐	1.000		9107606.74		A	0.8
7	☐	1.000		9385985.07		A	1.2
8	☐	1.000		9335334.65		A	0.6

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

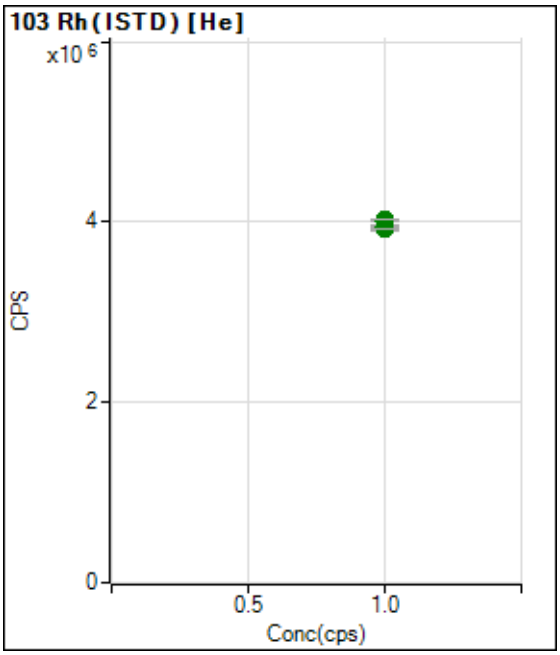


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2673239.98		A	1.0
2	☐	1.000		2672256.37		A	0.4
3	☐	1.000		2666523.52		A	0.7
4	☐	1.000		2705055.98		A	1.8
5	☐	1.000		2710957.35		A	1.3
6	☐	1.000		2782300.37		A	0.5
7	☐	1.000		2835814.33		A	1.1
8	☐	1.000		2910597.14		A	1.3

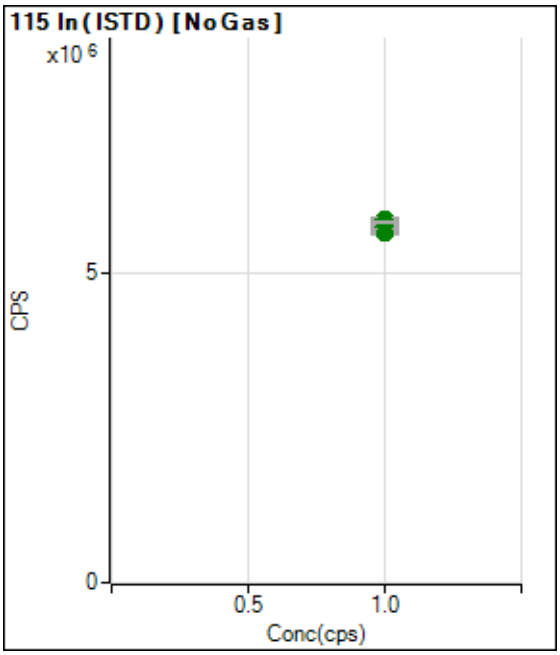


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5662794.92		A	0.5
2	☐	1.000		5776814.01		A	1.4
3	☐	1.000		5737998.66		A	1.5
4	☐	1.000		5729109.15		A	1.1
5	☐	1.000		5737273.38		A	0.8
6	☐	1.000		5788972.69		A	0.7
7	☐	1.000		5883645.47		A	1.0
8	☐	1.000		5625418.25		A	2.5

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

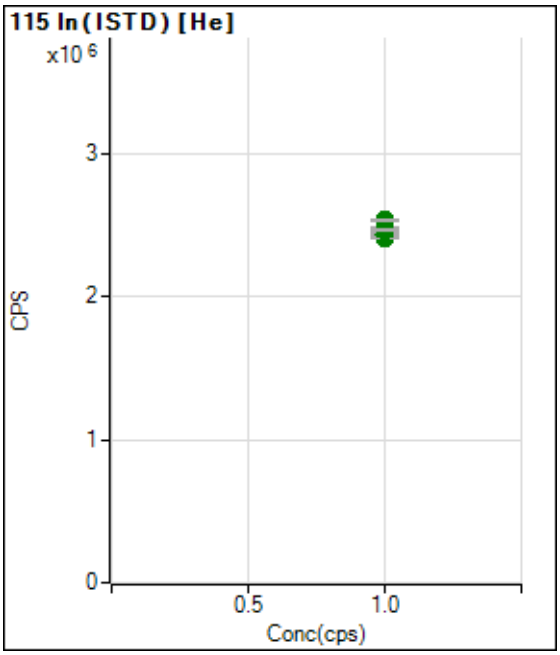


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3913961.92		A	0.8
2	☐	1.000		3935127.03		A	0.8
3	☐	1.000		3921728.48		A	0.9
4	☐	1.000		3930992.27		A	1.6
5	☐	1.000		3938998.62		A	1.1
6	☐	1.000		4023360.84		A	0.5
7	☐	1.000		4001219.11		A	1.5
8	☐	1.000		3915874.35		A	0.1

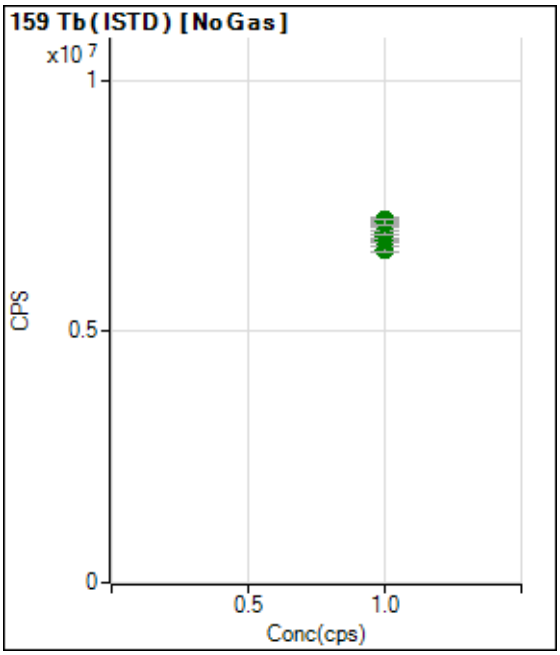


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5623931.55		A	1.0
2	☐	1.000		5702567.44		A	0.8
3	☐	1.000		5664736.16		A	0.4
4	☐	1.000		5741980.59		A	1.0
5	☐	1.000		5836559.91		A	0.4
6	☐	1.000		5826257.03		A	0.6
7	☐	1.000		5845039.39		A	1.2
8	☐	1.000		5808319.47		A	0.4

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

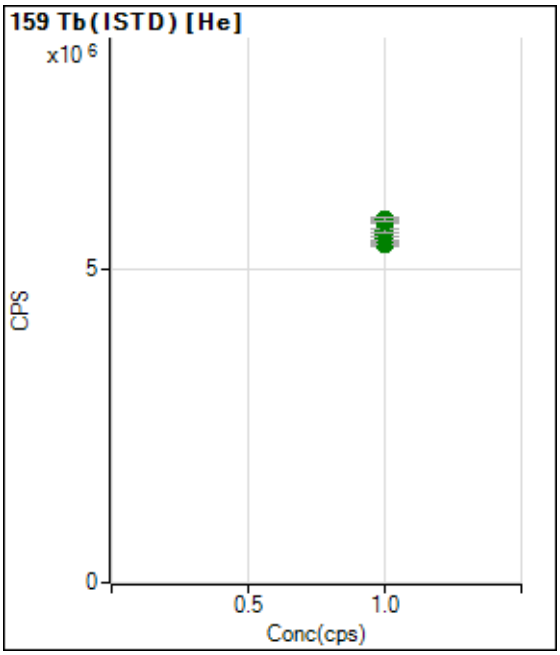


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2407553.10		A	0.3
2	☐	1.000		2416662.87		A	0.4
3	☐	1.000		2407895.91		A	0.8
4	☐	1.000		2459239.33		A	1.9
5	☐	1.000		2429737.51		A	1.7
6	☐	1.000		2470840.74		A	1.2
7	☐	1.000		2463112.44		A	0.9
8	☐	1.000		2534627.51		A	0.7

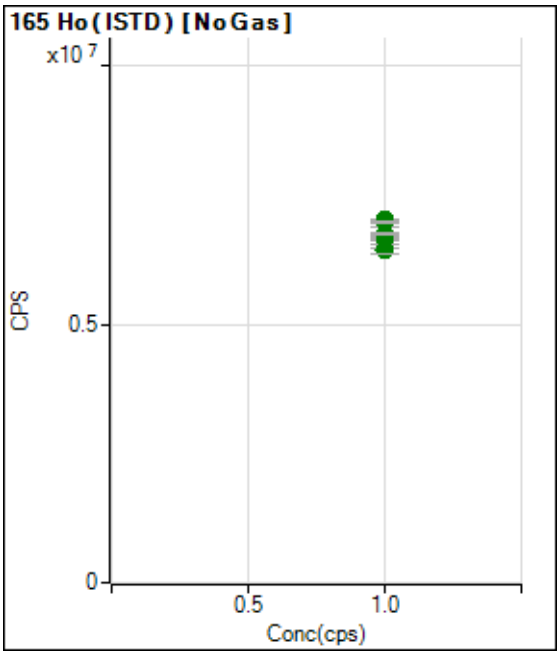


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6646344.35		A	2.0
2	☐	1.000		6813910.32		A	0.4
3	☐	1.000		6808058.09		A	1.0
4	☐	1.000		6894870.45		A	1.0
5	☐	1.000		6969678.09		A	1.1
6	☐	1.000		7150394.13		A	1.4
7	☐	1.000		7228162.18		A	1.5
8	☐	1.000		7187597.74		A	1.4

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

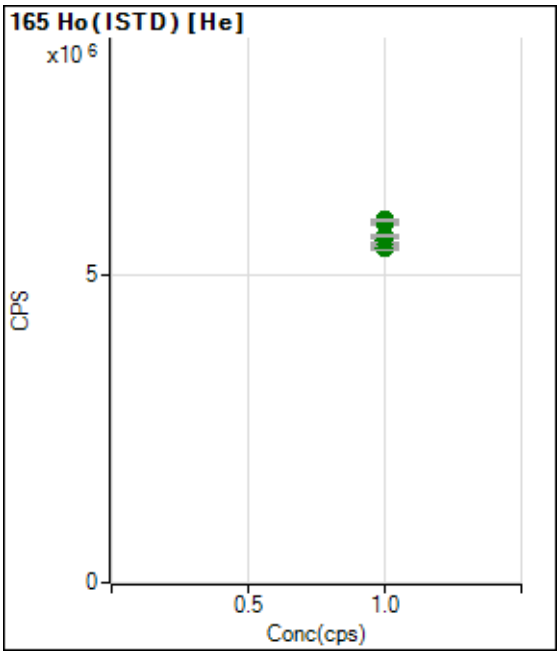


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5397586.31		A	0.7
2	☐	1.000		5464482.35		A	2.1
3	☐	1.000		5435728.60		A	0.5
4	☐	1.000		5507256.45		A	1.3
5	☐	1.000		5562961.58		A	1.1
6	☐	1.000		5623805.26		A	1.2
7	☐	1.000		5777150.82		A	0.9
8	☐	1.000		5801980.26		A	0.9

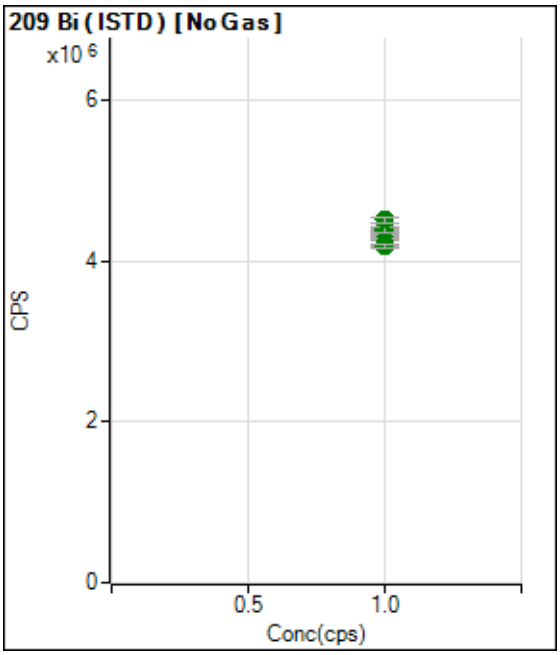


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6428138.86		A	2.0
2	☐	1.000		6552346.99		A	0.3
3	☐	1.000		6655827.26		A	1.1
4	☐	1.000		6692053.23		A	0.8
5	☐	1.000		6745817.40		A	0.8
6	☐	1.000		7023031.49		A	0.9
7	☐	1.000		6952237.81		A	1.5
8	☐	1.000		6982681.35		A	0.3

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

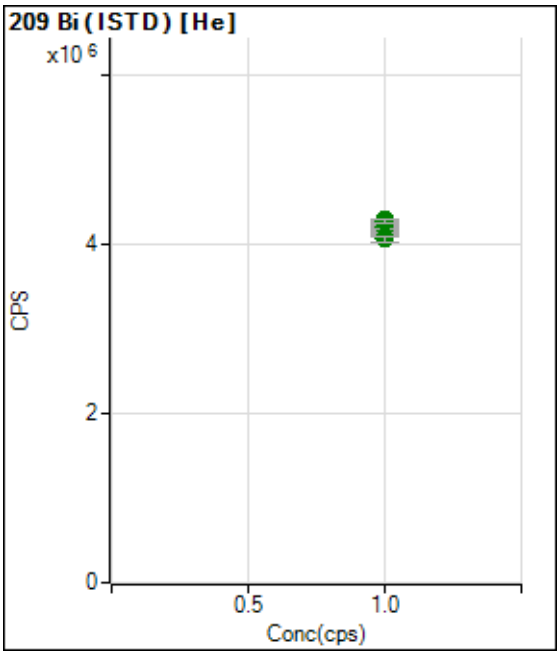


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5500088.46		A	1.0
2	☐	1.000		5407556.65		A	0.6
3	☐	1.000		5429282.18		A	1.1
4	☐	1.000		5538805.40		A	1.2
5	☐	1.000		5622777.97		A	0.7
6	☐	1.000		5833494.08		A	0.8
7	☐	1.000		5856947.90		A	1.5
8	☐	1.000		5878527.13		A	0.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4221596.22		A	1.8
2	☐	1.000		4307050.25		A	0.3
3	☐	1.000		4333405.18		A	2.0
4	☐	1.000		4352933.79		A	1.5
5	☐	1.000		4369049.27		A	1.1
6	☐	1.000		4393801.60		A	1.2
7	☐	1.000		4515773.82		A	1.7
8	☐	1.000		4193610.94		A	0.9

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4197329.42		A	0.6
2	☐	1.000		4182608.41		A	0.8
3	☐	1.000		4128032.40		A	0.3
4	☐	1.000		4203371.85		A	1.3
5	☐	1.000		4243955.28		A	2.3
6	☐	1.000		4290213.37		A	0.6
7	☐	1.000		4279543.75		A	1.3
8	☐	1.000		4067115.63		A	1.7

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7072425-MS.b
Acq. Date-Time	2025-07-24 09:43:36
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		6168	61675.81			0.791	5.000
24		154656	1546559.26			0.585	5.000
25		17208	172079.86			0.347	5.000
26		20254	202536.90			0.315	5.000
59		86864	868640.91			0.447	5.000
113		8670	86700.28			0.764	5.000
115		115515	1155154.57			0.903	5.000
206		19944	199437.48			1.477	5.000
207		17469	174686.04			1.890	5.000
208		42304	423044.64			1.589	5.000
220		0	3.40			24.164	

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

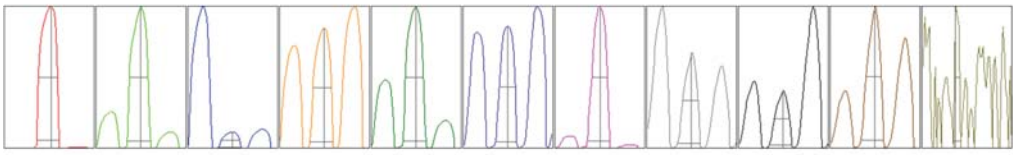
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	6221	6159	6208	6152	6098
24	155130	153588	155701	153831	155030
25	17299	17156	17159	17233	17192
26	20345	20182	20205	20268	20268
59	87116	86690	86736	86394	87385
113	8733	8721	8675	8655	8566
115	116547	116662	114310	115181	114877
206	20188	20162	20124	19634	19610
207	17774	17684	17663	17147	17075
208	43102	42746	42426	41761	41487

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	10310.79	9.10	8.90 - 9.10	
24	266987.14	24.00	23.90 - 24.10	
25	29572.54	25.00	24.90 - 25.10	
26	34654.01	26.00	25.90 - 26.10	
59	153736.21	59.00	58.90 - 59.10	
113	16671.81	113.00	112.90 - 113.10	
115	223439.71	115.05	114.90 - 115.10	
206	40815.65	206.00	205.90 - 206.10	
207	35557.70	207.00	206.90 - 207.10	
208	86631.41	208.00	207.90 - 208.10	
220	0.70	219.65	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.740	0.900	
24	0.62	0.782	0.900	
25	0.62	0.761	0.900	
26	0.62	0.780	0.900	
59	0.60	0.775	0.900	
113	0.53	0.719	0.900	
115	0.51	0.759	0.900	
206	0.51	0.760	0.900	
207	0.50	0.767	0.900	
208	0.51	0.770	0.900	
220	0.19	0.244		

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

Tune Parameters

Plasma Parameters

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

US EPA Tune Check Report

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

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.3 V	Deflect	15.4 V
Extract 2	-175.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-75 V	Cell Exit	-50 V		

Cell Parameters

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

QP Parameters

Mass Gain	138	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.17		

Hardware Settings

Torch

Torch H	-1.8 mm	Torch V	0.3 mm

EM

Discriminator	4.7 mV	Analog HV	2319 V	Pulse HV	1152 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		28035	280345.47			0.619	
89		84342	843415.01			0.811	
205		26518	265178.74			0.969	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	28260	28080	28000	27778	28055
89	84385	84210	84873	83262	84979
205	26859	26538	26250	26282	26660

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	9.4 V	Deflect	3.8 V

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

US EPA Tune Check Report

Extract 2	-190.0 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	0.9973	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.17		

Hardware Settings

Torch

Torch H	-1.8 mm	Torch V	0.3 mm		

EM

Discriminator	4.7 mV	Analog HV	2319 V	Pulse HV	1152 V

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:42:36	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.10	-0.25	0.14	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.02	0.01	0.00	0.00	N/A	ppb
Barium	135-1	-0.01	0.00	0.01	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.03	-0.03	0.00	N/A	ppb
Cadmium	106-1	0.65	-0.52	-0.13	0.00	N/A	ppb
Cadmium	111-1	0.01	-0.01	0.00	0.00	N/A	ppb
Calcium	43-1	-1.63	1.24	0.39	0.00	N/A	ppb
Calcium	44-1	-1.95	-2.30	4.25	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	0.03	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.00	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	-0.02	0.09	-0.07	0.00	N/A	ppb
Iron	57-2	-0.76	1.09	-0.33	0.00	N/A	ppb
Iron	54-2	0.09	-0.62	0.53	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:42:36	DataFile Name :	004CALB.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	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.04	0.10	-0.06	0.00	N/A	ppb
Manganese	55-2	0.04	-0.02	-0.02	0.00	N/A	ppb
Molybdenum	94-1	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.01	-0.01	-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	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.01	0.02	0.00	N/A	ppb
Phosphorus	31-2	-124.50	-134.30	-132.90	-130.56		ppb
Potassium	39-2	-0.93	1.28	-0.36	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.09	-0.08	-0.01	0.00	N/A	ppb
Selenium	77-2	0.17	-0.09	-0.09	0.00	N/A	ppb
Selenium	78-2	0.51	0.42	-0.93	0.00	N/A	ppb
Silicon	28-1	0.25	-0.12	-0.13	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	0.07	-0.56	0.49	0.00	N/A	ppb
Strontium	86-1	0.00	0.01	-0.02	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	164.42	-136.75	-158.27	-43.53		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.02	0.00	0.01	0.00	N/A	ppb
Titanium	47-1	0.00	0.00	0.01	0.00	N/A	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:42:36	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.03	0.06	-0.09	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:49:12	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.15	15.73	15.29	15.72	2.71	ppb
Antimony	121-1	1.67	1.75	1.72	1.71	2.42	ppb
Arsenic	75-2	1.16	1.15	1.27	1.20	5.68	ppb
Barium	135-1	7.86	8.23	8.24	8.11	2.67	ppb
Barium	137-1	8.01	8.28	8.29	8.19	1.96	ppb
Beryllium	9-1	1.17	1.11	1.17	1.15	3.07	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.12	0.75	1.02	0.96	19.77	ppb
Cadmium	106-1	-0.02	-0.49	0.70	0.06	951.12	ppb
Cadmium	111-1	0.96	0.93	0.97	0.95	1.92	ppb
Calcium	43-1	393.81	421.04	409.05	407.97	3.35	ppb
Calcium	44-1	402.79	412.86	420.46	412.03	2.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.69	1.76	1.92	1.79	6.53	ppb
Cobalt	59-2	0.97	0.88	0.91	0.92	5.25	ppb
Copper	63-2	1.68	1.63	1.66	1.66	1.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				98		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	41.79	41.35	41.90	41.68	0.69	ppb
Iron	57-2	41.30	39.52	42.51	41.11	3.66	ppb
Iron	54-2	42.15	43.16	42.35	42.55	1.25	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:49:12	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.68	0.66	0.68	0.68	1.47	ppb
Lead	207-1	0.69	0.67	0.72	0.69	3.84	ppb
Lead	208-1	0.68	0.67	0.69	0.68	1.00	ppb
Lithium	6-1				103		%
Magnesium	24-2	385.67	387.09	387.66	386.81	0.26	ppb
Manganese	55-2	2.58	2.51	2.67	2.59	3.14	ppb
Molybdenum	94-1	4.87	5.47	5.21	5.18	5.80	ppb
Molybdenum	95-1	4.24	4.31	4.29	4.28	0.88	ppb
Molybdenum	96-1	4.29	4.39	4.45	4.38	1.81	ppb
Molybdenum	97-1	4.18	4.29	4.39	4.29	2.46	ppb
Molybdenum	98-1	4.07	4.45	4.34	4.29	4.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.89	0.96	1.02	0.96	6.66	ppb
Phosphorus	31-2	139.91	111.59	140.19	130.56	12.59	ppb
Potassium	39-2	405.09	394.68	397.41	399.06	1.35	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	4.06	4.77	5.76	4.86	17.58	ppb
Selenium	77-2	7.01	7.83	6.80	7.22	7.57	ppb
Selenium	78-2	4.95	6.79	5.29	5.68	17.19	ppb
Silicon	28-1	-0.21	-0.03	-0.05	-0.10		ppb
Silver	107-1	0.91	0.95	1.00	0.95	4.36	ppb
Silver	109-1	0.90	0.92	0.97	0.93	3.92	ppb
Sodium	23-2	395.36	391.30	397.02	394.56	0.75	ppb
Strontium	86-1	0.86	0.87	0.91	0.88	3.08	ppb
Strontium	88-1	0.84	0.84	0.87	0.85	2.02	ppb
Sulfur	34-1	-12.52	75.83	67.29	43.53	111.94	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.84	0.82	0.89	0.85	3.95	ppb
Thallium	205-1	0.82	0.82	0.87	0.84	3.72	ppb
Tin	118-1	4.13	4.40	4.26	4.26	3.18	ppb
Titanium	47-1	3.95	4.13	4.60	4.23	7.99	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:49:12	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.78	0.79	0.78	0.78	0.93	ppb
Vanadium	51-2	4.32	4.25	4.27	4.28	0.78	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	4.45	4.14	4.34	4.31	3.67	ppb
Zirconium	90-1	0.88	0.89	0.91	0.89	1.64	ppb
Zirconium	91-1	0.91	0.93	0.92	0.92	0.77	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:52:29	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	874.15	870.97	876.48	873.86	0.32	ppb
Antimony	121-1	43.70	44.39	43.47	43.85	1.09	ppb
Arsenic	75-2	51.82	51.47	53.89	52.39	2.50	ppb
Barium	135-1	213.39	215.09	212.42	213.63	0.63	ppb
Barium	137-1	217.61	218.64	217.02	217.76	0.38	ppb
Beryllium	9-1	55.99	56.45	55.81	56.08	0.59	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	54.01	52.75	51.86	52.88	2.04	ppb
Cadmium	106-1	53.14	52.22	51.74	52.37	1.36	ppb
Cadmium	111-1	52.54	54.19	52.64	53.12	1.74	ppb
Calcium	43-1	4396.77	4424.08	4399.25	4406.70	0.34	ppb
Calcium	44-1	4724.98	4791.41	4881.00	4799.13	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46.47	45.49	45.91	45.95	1.06	ppb
Cobalt	59-2	45.49	45.30	45.55	45.45	0.29	ppb
Copper	63-2	523.81	516.91	518.17	519.63	0.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				99		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	2477.52	2428.80	2493.20	2466.51	1.36	ppb
Iron	57-2	2239.52	2213.05	2239.39	2230.65	0.68	ppb
Iron	54-2	2288.99	2269.39	2269.05	2275.81	0.50	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:52:29	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	211.12	206.47	207.58	208.39	1.17	ppb
Lead	207-1	208.68	201.74	205.10	205.17	1.69	ppb
Lead	208-1	231.26	228.25	225.61	228.38	1.24	ppb
Lithium	6-1				103		%
Magnesium	24-2	4916.86	4857.22	5094.52	4956.20	2.49	ppb
Manganese	55-2	454.21	445.22	451.49	450.30	1.02	ppb
Molybdenum	94-1	448.87	445.89	443.97	446.24	0.55	ppb
Molybdenum	95-1	519.95	506.40	505.30	510.55	1.60	ppb
Molybdenum	96-1	522.20	517.25	502.84	514.09	1.96	ppb
Molybdenum	97-1	446.47	442.63	438.69	442.60	0.88	ppb
Molybdenum	98-1	502.75	495.50	501.05	499.77	0.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.41	51.40	51.90	51.90	0.97	ppb
Phosphorus	31-2	917.73	955.94	916.17	929.95	2.42	ppb
Potassium	39-2	2170.52	2144.59	2155.42	2156.85	0.60	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	53.97	52.11	52.50	52.86	1.85	ppb
Selenium	77-2	55.80	56.14	62.16	58.03	6.16	ppb
Selenium	78-2	50.78	53.11	57.63	53.84	6.47	ppb
Silicon	28-1	59.81	60.70	61.38	60.63	1.30	ppb
Silver	107-1	45.09	46.00	45.45	45.52	1.01	ppb
Silver	109-1	44.58	45.88	44.90	45.12	1.50	ppb
Sodium	23-2	4958.48	4906.48	4933.80	4932.92	0.53	ppb
Strontium	86-1	46.57	45.79	46.06	46.14	0.86	ppb
Strontium	88-1	44.96	44.41	44.29	44.56	0.80	ppb
Sulfur	34-1	1215.10	1058.35	1033.04	1102.16	8.95	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	42.13	40.89	41.85	41.62	1.57	ppb
Thallium	205-1	41.88	40.50	41.16	41.18	1.67	ppb
Tin	118-1	44.32	44.78	43.64	44.25	1.29	ppb
Titanium	47-1	439.05	439.18	441.08	439.77	0.26	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:52:29	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	41.34	40.26	40.54	40.71	1.38	ppb
Vanadium	51-2	45.37	45.06	44.77	45.07	0.67	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	467.62	458.75	465.78	464.05	1.01	ppb
Zirconium	90-1	44.56	44.48	44.17	44.40	0.46	ppb
Zirconium	91-1	45.97	45.98	45.54	45.83	0.55	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:55:38	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2129.52	2133.60	2108.15	2123.76	0.64	ppb
Antimony	121-1	106.40	109.71	110.20	108.77	1.90	ppb
Arsenic	75-2	125.80	132.64	129.43	129.29	2.65	ppb
Barium	135-1	517.86	532.04	540.16	530.02	2.13	ppb
Barium	137-1	527.06	544.78	544.81	538.88	1.90	ppb
Beryllium	9-1	133.28	137.16	137.78	136.07	1.79	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	127.73	129.64	128.81	128.73	0.74	ppb
Cadmium	106-1	128.77	129.70	130.96	129.81	0.85	ppb
Cadmium	111-1	126.14	131.66	131.08	129.63	2.34	ppb
Calcium	43-1	10554.53	11071.70	10865.27	10830.50	2.40	ppb
Calcium	44-1	11920.11	12213.36	11844.64	11992.70	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	111.40	112.88	111.31	111.86	0.79	ppb
Cobalt	59-2	111.86	111.83	112.74	112.14	0.46	ppb
Copper	63-2	1256.95	1284.35	1261.59	1267.63	1.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	6070.71	6110.89	5832.75	6004.78	2.50	ppb
Iron	57-2	5406.69	5444.31	5404.20	5418.40	0.41	ppb
Iron	54-2	5544.72	5634.78	5552.83	5577.44	0.89	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:55:38	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	608.70	611.65	617.89	612.75	0.77	ppb
Lead	207-1	627.53	636.19	617.34	627.02	1.51	ppb
Lead	208-1	623.04	624.01	622.10	623.05	0.15	ppb
Lithium	6-1				104		%
Magnesium	24-2	12042.40	12133.78	12065.41	12080.53	0.39	ppb
Manganese	55-2	1284.17	1278.53	1266.71	1276.47	0.70	ppb
Molybdenum	94-1	1249.94	1263.85	1255.79	1256.53	0.56	ppb
Molybdenum	95-1	1237.58	1291.49	1263.91	1264.33	2.13	ppb
Molybdenum	96-1	1242.06	1265.00	1250.29	1252.45	0.93	ppb
Molybdenum	97-1	1242.23	1270.35	1258.59	1257.06	1.12	ppb
Molybdenum	98-1	1220.01	1248.59	1254.59	1241.06	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	127.01	128.42	126.44	127.29	0.80	ppb
Phosphorus	31-2	2487.47	2466.57	2450.01	2468.02	0.76	ppb
Potassium	39-2	5839.22	5793.17	5826.68	5819.69	0.41	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	128.18	132.59	131.74	130.84	1.79	ppb
Selenium	77-2	128.57	129.63	129.00	129.07	0.41	ppb
Selenium	78-2	132.36	129.10	124.47	128.65	3.08	ppb
Silicon	28-1	139.03	141.76	141.07	140.62	1.01	ppb
Silver	107-1	109.30	113.69	113.58	112.19	2.23	ppb
Silver	109-1	109.40	113.31	112.80	111.84	1.90	ppb
Sodium	23-2	12345.37	12303.53	12170.84	12273.24	0.74	ppb
Strontium	86-1	110.86	114.40	113.97	113.08	1.71	ppb
Strontium	88-1	125.58	124.62	126.52	125.57	0.76	ppb
Sulfur	34-1	2557.45	2702.96	2495.53	2585.31	4.12	ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	104.47	105.02	104.80	104.77	0.27	ppb
Thallium	205-1	102.89	102.86	102.01	102.59	0.49	ppb
Tin	118-1	107.46	110.91	112.05	110.14	2.17	ppb
Titanium	47-1	1078.18	1114.65	1094.31	1095.71	1.67	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:55:38	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	126.43	124.52	123.76	124.90	1.10	ppb
Vanadium	51-2	110.99	112.03	109.23	110.75	1.28	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	1123.20	1139.26	1128.16	1130.21	0.73	ppb
Zirconium	90-1	108.14	110.71	108.82	109.22	1.22	ppb
Zirconium	91-1	110.82	114.84	114.73	113.47	2.02	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:58:36	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4220.49	4187.13	4193.58	4200.40	0.42	ppb
Antimony	121-1	215.74	213.99	214.52	214.75	0.42	ppb
Arsenic	75-2	255.94	250.79	258.82	255.18	1.59	ppb
Barium	135-1	1245.02	1246.36	1256.31	1249.23	0.49	ppb
Barium	137-1	1276.61	1257.38	1270.54	1268.18	0.78	ppb
Beryllium	9-1	264.09	269.76	269.18	267.68	1.17	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	258.95	252.62	254.89	255.48	1.25	ppb
Cadmium	106-1	255.21	255.14	255.96	255.44	0.18	ppb
Cadmium	111-1	256.49	258.82	255.92	257.08	0.60	ppb
Calcium	43-1	21274.97	21912.31	21764.02	21650.43	1.54	ppb
Calcium	44-1	24111.72	24281.77	23830.34	24074.61	0.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	223.90	223.47	223.98	223.78	0.12	ppb
Cobalt	59-2	222.99	222.35	221.65	222.33	0.30	ppb
Copper	63-2	2801.76	2828.02	2772.58	2800.79	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				102		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	11882.94	12053.01	11871.54	11935.83	0.85	ppb
Iron	57-2	10943.64	10894.80	10850.15	10896.20	0.43	ppb
Iron	54-2	12387.42	12208.04	12502.93	12366.13	1.20	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:58:36	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1257.72	1239.90	1312.66	1270.09	2.99	ppb
Lead	207-1	1282.11	1284.95	1309.56	1292.21	1.17	ppb
Lead	208-1	1279.32	1287.39	1296.65	1287.79	0.67	ppb
Lithium	6-1				103		%
Magnesium	24-2	24112.78	24229.22	23627.07	23989.69	1.33	ppb
Manganese	55-2	2536.05	2587.02	2551.10	2558.06	1.02	ppb
Molybdenum	94-1	2447.24	2558.94	2519.47	2508.55	2.26	ppb
Molybdenum	95-1	2493.16	2561.13	2511.58	2521.96	1.39	ppb
Molybdenum	96-1	2478.73	2547.92	2487.85	2504.83	1.50	ppb
Molybdenum	97-1	2487.25	2532.09	2453.12	2490.82	1.59	ppb
Molybdenum	98-1	2494.94	2547.67	2488.77	2510.46	1.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	352.34	348.89	347.12	349.45	0.76	ppb
Phosphorus	31-2	5152.60	5002.98	5067.35	5074.31	1.48	ppb
Potassium	39-2	11426.58	11863.55	11591.57	11627.23	1.90	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	260.62	265.99	261.41	262.67	1.10	ppb
Selenium	77-2	242.78	252.59	263.22	252.86	4.04	ppb
Selenium	78-2	255.72	246.70	256.82	253.08	2.20	ppb
Silicon	28-1	266.26	270.32	270.84	269.14	0.93	ppb
Silver	107-1	253.14	252.50	250.33	251.99	0.58	ppb
Silver	109-1	249.76	251.08	250.57	250.47	0.27	ppb
Sodium	23-2	24141.01	24496.76	23814.96	24150.91	1.41	ppb
Strontium	86-1	224.35	230.65	225.16	226.72	1.51	ppb
Strontium	88-1	251.33	258.60	253.76	254.57	1.45	ppb
Sulfur	34-1	4852.34	5199.50	5033.77	5028.53	3.45	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	207.68	206.87	211.64	208.73	1.22	ppb
Thallium	205-1	247.68	248.20	250.57	248.81	0.62	ppb
Tin	118-1	220.68	218.92	218.74	219.45	0.49	ppb
Titanium	47-1	2471.22	2537.57	2536.58	2515.13	1.51	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:58:36	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	250.90	249.26	250.23	250.13	0.33	ppb
Vanadium	51-2	221.92	220.84	220.71	221.15	0.30	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	2802.56	2745.32	2804.31	2784.06	1.21	ppb
Zirconium	90-1	250.66	253.62	258.31	254.20	1.52	ppb
Zirconium	91-1	223.95	230.59	226.50	227.01	1.48	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:01:29	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9343.27	9294.59	9311.06	9316.31	0.27	ppb
Antimony	121-1	499.19	498.90	496.91	498.33	0.25	ppb
Arsenic	75-2	500.11	495.77	501.09	498.99	0.57	ppb
Barium	135-1	2495.29	2515.40	2538.94	2516.54	0.87	ppb
Barium	137-1	2510.89	2516.33	2478.92	2502.05	0.81	ppb
Beryllium	9-1	524.59	531.17	529.17	528.31	0.64	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	507.64	503.88	506.98	506.17	0.40	ppb
Cadmium	106-1	507.73	501.75	495.83	501.77	1.19	ppb
Cadmium	111-1	507.15	502.29	502.01	503.81	0.57	ppb
Calcium	43-1	41625.46	44179.39	44020.12	43274.99	3.31	ppb
Calcium	44-1	47027.37	48760.59	48680.10	48156.02	2.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	499.32	504.14	495.61	499.69	0.86	ppb
Cobalt	59-2	502.53	520.29	489.16	503.99	3.10	ppb
Copper	63-2	5086.77	5073.20	5082.93	5080.97	0.14	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	23682.48	23674.00	23138.72	23498.40	1.33	ppb
Iron	57-2	24088.43	23998.07	23424.80	23837.10	1.51	ppb
Iron	54-2	24000.92	23701.51	23990.72	23897.72	0.71	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:01:29	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2509.17	2508.46	2548.33	2521.99	0.90	ppb
Lead	207-1	2510.98	2545.68	2586.63	2547.76	1.49	ppb
Lead	208-1	2508.27	2520.00	2574.91	2534.39	1.40	ppb
Lithium	6-1				103		%
Magnesium	24-2	47212.00	46479.49	46590.17	46760.55	0.84	ppb
Manganese	55-2	5069.13	4936.10	5044.70	5016.64	1.41	ppb
Molybdenum	94-1	4974.10	5019.19	5094.73	5029.34	1.21	ppb
Molybdenum	95-1	5058.88	5080.51	5019.30	5052.90	0.61	ppb
Molybdenum	96-1	4995.99	5066.47	5049.88	5037.44	0.73	ppb
Molybdenum	97-1	4922.59	4992.77	5052.64	4989.33	1.30	ppb
Molybdenum	98-1	4956.20	5071.41	5097.58	5041.73	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	502.65	506.20	499.37	502.74	0.68	ppb
Phosphorus	31-2	10349.41	10035.19	9894.21	10092.93	2.31	ppb
Potassium	39-2	23432.51	23472.28	22882.69	23262.49	1.42	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	509.42	514.08	519.35	514.28	0.97	ppb
Selenium	77-2	518.53	502.34	517.00	512.62	1.74	ppb
Selenium	78-2	492.79	506.77	515.38	504.98	2.26	ppb
Silicon	28-1	509.45	525.98	529.98	521.80	2.09	ppb
Silver	107-1	500.67	498.08	501.76	500.17	0.38	ppb
Silver	109-1	500.09	499.77	502.42	500.76	0.29	ppb
Sodium	23-2	47152.26	47616.66	47258.05	47342.32	0.51	ppb
Strontium	86-1	445.84	450.09	452.24	449.39	0.72	ppb
Strontium	88-1	496.52	499.40	502.00	499.31	0.55	ppb
Sulfur	34-1	9653.30	10201.16	10273.62	10042.69	3.38	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	509.70	514.17	527.30	517.06	1.77	ppb
Thallium	205-1	506.97	506.50	517.79	510.42	1.25	ppb
Tin	118-1	497.97	499.80	505.09	500.95	0.74	ppb
Titanium	47-1	4928.49	5192.68	5121.20	5080.79	2.69	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:01:29	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	516.89	510.38	512.75	513.34	0.64	ppb
Vanadium	51-2	504.87	505.79	512.16	507.60	0.78	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	5005.93	5017.43	5091.13	5038.16	0.92	ppb
Zirconium	90-1	506.36	508.09	510.66	508.37	0.43	ppb
Zirconium	91-1	450.41	451.30	454.03	451.91	0.42	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:04:14	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18684.15	19113.96	18642.36	18813.49	1.39	ppb
Antimony	121-1	1007.59	1031.46	996.90	1011.98	1.75	ppb
Arsenic	75-2	997.93	1000.90	996.82	998.55	0.21	ppb
Barium	135-1	4893.98	5155.83	4967.03	5005.61	2.70	ppb
Barium	137-1	4943.51	5116.34	4960.59	5006.81	1.90	ppb
Beryllium	9-1	1025.79	1033.19	880.22	979.74	8.80	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	981.03	1010.54	993.24	994.94	1.49	ppb
Cadmium	106-1	984.10	1018.17	988.84	997.04	1.85	ppb
Cadmium	111-1	980.89	1021.00	984.88	995.59	2.22	ppb
Calcium	43-1	93194.55	97076.89	95331.79	95201.08	2.04	ppb
Calcium	44-1	92800.62	96624.18	94339.93	94588.24	2.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1004.86	1013.48	1007.32	1008.55	0.44	ppb
Cobalt	59-2	1004.93	1010.39	1004.95	1006.76	0.31	ppb
Copper	63-2	9864.80	9919.57	9859.04	9881.14	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				108		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	46796.04	48019.59	46849.81	47221.82	1.46	ppb
Iron	57-2	46199.14	48181.68	47676.49	47352.44	2.18	ppb
Iron	54-2	47582.04	48096.03	47560.88	47746.32	0.63	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:04:14	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5022.12	5033.13	4907.54	4987.60	1.39	ppb
Lead	207-1	4977.98	5028.40	4896.29	4967.55	1.34	ppb
Lead	208-1	4980.58	4995.43	4948.03	4974.68	0.49	ppb
Lithium	6-1				106		%
Magnesium	24-2	92622.90	93363.09	93056.37	93014.12	0.40	ppb
Manganese	55-2	9898.71	9960.60	10069.71	9976.34	0.87	ppb
Molybdenum	94-1	9950.66	10169.48	9835.06	9985.06	1.70	ppb
Molybdenum	95-1	9907.25	10115.57	9874.42	9965.74	1.31	ppb
Molybdenum	96-1	9926.44	10142.65	9868.09	9979.06	1.45	ppb
Molybdenum	97-1	9966.97	10107.88	9954.01	10009.62	0.85	ppb
Molybdenum	98-1	9952.71	10070.58	9909.67	9977.65	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	965.52	981.56	973.08	973.39	0.82	ppb
Phosphorus	31-2	19715.14	20358.30	19753.93	19942.46	1.81	ppb
Potassium	39-2	45631.70	45614.59	45651.49	45632.59	0.04	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	983.77	1004.24	978.45	988.82	1.38	ppb
Selenium	77-2	971.77	1009.75	994.63	992.05	1.93	ppb
Selenium	78-2	977.47	1026.41	984.39	996.09	2.66	ppb
Silicon	28-1	984.19	984.31	977.28	981.93	0.41	ppb
Silver	107-1	993.54	1017.59	992.60	1001.24	1.41	ppb
Silver	109-1	987.12	1025.58	991.47	1001.39	2.10	ppb
Sodium	23-2	94145.87	93619.60	93557.88	93774.45	0.34	ppb
Strontium	86-1	1050.09	1030.54	1017.79	1032.81	1.57	ppb
Strontium	88-1	983.14	1006.82	1008.26	999.41	1.41	ppb
Sulfur	34-1	19755.33	20257.60	19854.32	19955.75	1.33	ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	1003.54	1002.89	1007.78	1004.74	0.26	ppb
Thallium	205-1	1003.23	987.37	1004.39	998.33	0.95	ppb
Tin	118-1	1003.69	1028.33	995.91	1009.31	1.68	ppb
Titanium	47-1	9743.66	10103.30	10087.41	9978.12	2.04	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:04:14	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1007.83	980.59	992.90	993.77	1.37	ppb
Vanadium	51-2	991.46	1009.65	1015.20	1005.44	1.24	ppb
Yttrium	89-1				108		%
Yttrium	89-2				106		%
Zinc	66-2	9869.62	10064.72	9845.68	9926.67	1.21	ppb
Zirconium	90-1	983.81	1014.59	992.65	997.02	1.59	ppb
Zirconium	91-1	1024.69	1049.44	1020.18	1031.44	1.53	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:07:03	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98993.64	101106.92	100968.39	100356.32	1.18	ppb
Antimony	121-1	0.72	0.69	0.76	0.72	4.79	ppb
Arsenic	75-2	1.11	1.16	1.25	1.17	5.97	ppb
Barium	135-1	2.48	2.41	2.30	2.40	3.77	ppb
Barium	137-1	2.44	2.45	2.41	2.43	0.72	ppb
Beryllium	9-1	0.13	0.10	0.15	0.12	19.41	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.84	0.85	0.84	0.85	0.74	ppb
Cadmium	106-1	0.46	0.02	-0.52	-0.01		ppb
Cadmium	111-1	0.50	0.52	0.50	0.51	2.52	ppb
Calcium	43-1	491705.17	504041.33	509796.08	501847.53	1.84	ppb
Calcium	44-1	494294.61	507163.47	502525.31	501327.80	1.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.58	4.62	4.59	4.60	0.50	ppb
Cobalt	59-2	1.64	1.63	1.61	1.62	0.94	ppb
Copper	63-2	1.22	1.16	1.04	1.14	7.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				105		%
Iron	56-2	249768.30	253255.17	249197.94	250740.47	0.88	ppb
Iron	57-2	250931.41	248464.79	252852.23	250749.48	0.88	ppb
Iron	54-2	249256.96	252247.26	250255.93	250586.72	0.61	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:07:03	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.12	1.11	1.07	1.10	2.45	ppb
Lead	207-1	1.06	1.08	1.05	1.06	1.59	ppb
Lead	208-1	1.10	1.08	1.07	1.08	1.37	ppb
Lithium	6-1				99		%
Magnesium	24-2	505871.63	496997.48	502478.92	501782.67	0.89	ppb
Manganese	55-2	3.69	3.64	3.68	3.67	0.70	ppb
Molybdenum	94-1	2.88	2.73	2.84	2.82	2.65	ppb
Molybdenum	95-1	1.52	1.57	1.59	1.56	2.22	ppb
Molybdenum	96-1	2.95	2.93	2.92	2.93	0.67	ppb
Molybdenum	97-1	1.62	1.47	1.53	1.54	4.63	ppb
Molybdenum	98-1	1.60	1.54	1.55	1.57	2.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.70	4.03	3.63	3.78	5.66	ppb
Phosphorus	31-2	-126.07	-135.22	-123.25	-128.18		ppb
Potassium	39-2	250428.90	251501.01	251385.88	251105.26	0.23	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	1.56	1.48	0.86	1.30	29.56	ppb
Selenium	77-2	0.85	0.84	0.39	0.69	37.80	ppb
Selenium	78-2	-0.44	1.96	-0.73	0.26	559.62	ppb
Silicon	28-1	1.01	1.15	1.17	1.11	8.07	ppb
Silver	107-1	0.11	0.11	0.10	0.11	4.64	ppb
Silver	109-1	0.11	0.10	0.10	0.10	4.07	ppb
Sodium	23-2	507616.68	494964.75	502097.91	501559.78	1.26	ppb
Strontium	86-1	12.62	12.83	12.81	12.75	0.93	ppb
Strontium	88-1	12.20	12.46	12.59	12.42	1.57	ppb
Sulfur	34-1	-1765.15	-1896.28	-1969.73	-1877.05		ppb
Terbium	159-1				108		%
Terbium	159-2				107		%
Thallium	203-1	0.81	0.80	0.79	0.80	0.91	ppb
Thallium	205-1	0.81	0.78	0.80	0.80	1.97	ppb
Tin	118-1	0.22	0.24	0.22	0.23	6.89	ppb
Titanium	47-1	0.62	0.80	0.70	0.71	12.80	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:07:03	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.03	0.03	10.45	ppb
Vanadium	51-2	0.33	0.34	0.32	0.33	2.27	ppb
Yttrium	89-1				107		%
Yttrium	89-2				109		%
Zinc	66-2	4.25	4.36	4.60	4.40	4.12	ppb
Zirconium	90-1	0.81	0.80	0.80	0.80	0.25	ppb
Zirconium	91-1	0.85	0.80	0.81	0.82	2.99	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:25:21	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1616.27	1628.90	1605.33	1616.83	0.73	ppb
Antimony	121-1	405.22	431.46	419.67	418.79	3.14	ppb
Arsenic	75-2	428.17	433.28	437.72	433.06	1.10	ppb
Barium	135-1	1657.18	1759.46	1739.35	1718.66	3.15	ppb
Barium	137-1	1696.38	1776.10	1699.99	1724.16	2.61	ppb
Beryllium	9-1	48.24	48.33	47.04	47.87	1.51	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	237.97	256.24	244.47	246.23	3.76	ppb
Cadmium	106-1	244.94	256.84	245.95	249.24	2.65	ppb
Cadmium	111-1	216.98	222.99	216.78	218.91	1.61	ppb
Calcium	43-1	3823.47	3807.43	3880.08	3836.99	0.99	ppb
Calcium	44-1	4022.40	4043.32	4140.58	4068.77	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	152.24	152.76	151.03	152.01	0.58	ppb
Cobalt	59-2	443.56	436.94	435.72	438.74	0.96	ppb
Copper	63-2	184.84	186.39	185.43	185.56	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				108		%
Indium	115-2				108		%
Iron	56-2	803.98	817.58	821.20	814.26	1.11	ppb
Iron	57-2	733.98	742.70	722.93	733.21	1.35	ppb
Iron	54-2	823.96	826.69	823.07	824.57	0.23	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:25:21	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	412.76	406.55	405.69	408.33	0.94	ppb
Lead	207-1	333.28	333.14	340.23	335.55	1.21	ppb
Lead	208-1	393.65	390.53	393.93	392.70	0.48	ppb
Lithium	6-1				94		%
Magnesium	24-2	3746.14	3793.32	3626.92	3722.13	2.30	ppb
Manganese	55-2	362.71	362.59	365.26	363.52	0.41	ppb
Molybdenum	94-1	5221.96	5417.36	5404.16	5347.83	2.04	ppb
Molybdenum	95-1	5227.68	5393.25	5345.42	5322.11	1.60	ppb
Molybdenum	96-1	5205.89	5279.62	5343.63	5276.38	1.31	ppb
Molybdenum	97-1	5141.19	5282.18	5328.12	5250.49	1.86	ppb
Molybdenum	98-1	5179.60	5280.58	5376.22	5278.80	1.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	430.56	430.87	424.72	428.72	0.81	ppb
Phosphorus	31-2	-135.03	-135.33	-131.54	-133.96		ppb
Potassium	39-2	3985.63	3965.26	3973.85	3974.92	0.26	ppb
Rhodium	103-1				110		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				106		%
Selenium	82-1	426.35	439.45	443.22	436.34	2.03	ppb
Selenium	77-2	423.66	443.91	429.93	432.50	2.40	ppb
Selenium	78-2	436.74	430.31	443.95	437.00	1.56	ppb
Silicon	28-1	45.10	46.09	46.42	45.87	1.50	ppb
Silver	107-1	209.44	220.33	205.49	211.75	3.63	ppb
Silver	109-1	211.93	187.22	182.29	193.82	8.19	ppb
Sodium	23-2	3993.66	3959.19	3866.91	3939.92	1.66	ppb
Strontium	86-1	486.24	498.49	499.91	494.88	1.52	ppb
Strontium	88-1	549.52	560.53	559.17	556.41	1.08	ppb
Sulfur	34-1	-1772.99	-2021.64	-2101.54	-1965.39		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	411.19	409.28	409.23	409.90	0.27	ppb
Thallium	205-1	412.58	405.81	407.17	408.52	0.88	ppb
Tin	118-1	547.03	575.56	563.31	561.97	2.55	ppb
Titanium	47-1	4979.64	4981.86	5058.03	5006.51	0.89	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:25:21	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	553.11	537.88	554.59	548.53	1.69	ppb
Vanadium	51-2	427.34	374.41	371.72	391.16	8.02	ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	381.34	381.23	378.20	380.26	0.47	ppb
Zirconium	90-1	544.44	551.41	548.57	548.14	0.64	ppb
Zirconium	91-1	479.46	493.79	494.67	489.31	1.74	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:34:48	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13.90	16.14	15.62	15.22	7.70	ppb
Antimony	121-1	1.85	1.85	1.86	1.85	0.14	ppb
Arsenic	75-2	1.13	1.13	1.11	1.12	1.14	ppb
Barium	135-1	8.80	8.94	8.96	8.90	0.99	ppb
Barium	137-1	9.17	8.99	8.86	9.01	1.69	ppb
Beryllium	9-1	1.27	1.35	1.12	1.25	9.34	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.66	1.05	1.01	1.24	29.55	ppb
Cadmium	106-1	-0.36	-2.22	-0.56	-1.05		ppb
Cadmium	111-1	1.03	1.12	1.16	1.10	5.81	ppb
Calcium	43-1	427.93	441.22	473.11	447.42	5.19	ppb
Calcium	44-1	450.15	469.97	464.94	461.69	2.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.85	1.86	1.91	1.87	1.65	ppb
Cobalt	59-2	1.00	0.99	0.93	0.97	3.86	ppb
Copper	63-2	1.95	1.93	1.87	1.92	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				106		%
Holmium	165-2				104		%
Indium	115-1				108		%
Indium	115-2				107		%
Iron	56-2	45.33	45.45	44.68	45.15	0.91	ppb
Iron	57-2	47.77	50.60	47.66	48.68	3.43	ppb
Iron	54-2	45.99	46.85	46.91	46.59	1.10	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:34:48	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.91	0.88	0.82	0.87	5.43	ppb
Lead	207-1	0.82	0.93	0.92	0.89	6.95	ppb
Lead	208-1	0.87	0.90	0.88	0.88	1.57	ppb
Lithium	6-1				92		%
Magnesium	24-2	403.65	400.67	401.99	402.10	0.37	ppb
Manganese	55-2	2.80	2.67	2.65	2.71	2.91	ppb
Molybdenum	94-1	5.24	5.41	5.25	5.30	1.84	ppb
Molybdenum	95-1	4.37	4.69	4.50	4.52	3.57	ppb
Molybdenum	96-1	4.54	4.76	4.47	4.59	3.36	ppb
Molybdenum	97-1	4.50	4.52	4.39	4.47	1.56	ppb
Molybdenum	98-1	4.56	4.61	4.51	4.56	1.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.09	1.18	1.07	1.11	4.95	ppb
Phosphorus	31-2	-97.09	-91.71	-100.65	-96.48		ppb
Potassium	39-2	433.09	437.67	428.69	433.15	1.04	ppb
Rhodium	103-1				108		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	4.81	5.97	5.71	5.50	11.04	ppb
Selenium	77-2	5.64	3.07	3.96	4.23	30.81	ppb
Selenium	78-2	4.24	7.92	6.96	6.37	29.98	ppb
Silicon	28-1	-0.11	0.33	0.45	0.22	132.51	ppb
Silver	107-1	0.94	0.96	0.96	0.95	1.68	ppb
Silver	109-1	0.96	0.96	0.92	0.95	2.50	ppb
Sodium	23-2	422.17	424.26	422.71	423.05	0.26	ppb
Strontium	86-1	0.89	1.01	0.89	0.93	7.65	ppb
Strontium	88-1	0.90	0.91	0.92	0.91	1.23	ppb
Sulfur	34-1	-2022.36	-1725.69	-1675.58	-1807.88		ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.87	0.90	0.87	0.88	2.29	ppb
Thallium	205-1	0.86	0.87	0.85	0.86	1.22	ppb
Tin	118-1	4.63	4.56	4.62	4.60	0.87	ppb
Titanium	47-1	4.14	4.61	4.39	4.38	5.38	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:34:48	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.82	0.87	0.84	0.84	3.00	ppb
Vanadium	51-2	4.74	4.59	4.50	4.61	2.68	ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	5.05	5.05	4.96	5.02	1.07	ppb
Zirconium	90-1	0.84	0.87	0.87	0.86	2.06	ppb
Zirconium	91-1	0.95	1.01	0.91	0.96	5.59	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:38:04	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.56	-0.57	-0.59	-0.58		ppb
Antimony	121-1	0.01	0.02	0.01	0.01	63.50	ppb
Arsenic	75-2	0.01	0.00	-0.02	0.00		ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	146.35	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.00	0.06	0.04	89.59	ppb
Cadmium	106-1	-0.64	-1.20	-3.36	-1.74		ppb
Cadmium	111-1	-0.01	-0.01	-0.03	-0.02		ppb
Calcium	43-1	2.73	0.84	1.62	1.73	54.86	ppb
Calcium	44-1	8.02	6.39	7.21	7.21	11.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.05	-0.01	0.02	165.08	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	39.97	ppb
Copper	63-2	-0.04	-0.05	-0.04	-0.04		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	0.73	0.66	0.79	0.73	9.31	ppb
Iron	57-2	0.16	1.22	1.08	0.82	69.96	ppb
Iron	54-2	-0.01	1.11	1.66	0.92	92.41	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:38:04	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.05	0.03	0.04	18.99	ppb
Lead	207-1	0.04	0.04	0.04	0.04	1.64	ppb
Lead	208-1	0.03	0.04	0.03	0.03	21.32	ppb
Lithium	6-1				93		%
Magnesium	24-2	0.00	0.09	0.08	0.05	88.36	ppb
Manganese	55-2	-0.71	-0.68	-0.71	-0.70		ppb
Molybdenum	94-1	0.01	0.02	0.01	0.01	67.63	ppb
Molybdenum	95-1	0.01	0.02	0.01	0.02	34.50	ppb
Molybdenum	96-1	0.01	0.04	0.03	0.03	55.67	ppb
Molybdenum	97-1	0.00	0.01	0.02	0.01	120.98	ppb
Molybdenum	98-1	0.00	0.01	0.01	0.00	183.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.00	0.02	0.02	95.19	ppb
Phosphorus	31-2	-137.85	-133.09	-126.48	-132.47		ppb
Potassium	39-2	5.09	6.24	7.60	6.31	19.91	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	0.26	-0.37	-0.34	-0.15		ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	-0.64	0.22	1.57	0.38	290.23	ppb
Silicon	28-1	-0.27	-0.40	-0.42	-0.36		ppb
Silver	107-1	0.01	0.01	0.00	0.01	65.39	ppb
Silver	109-1	0.01	0.01	0.00	0.01	46.72	ppb
Sodium	23-2	12.75	13.98	13.70	13.48	4.76	ppb
Strontium	86-1	-0.01	-0.01	0.05	0.01	344.82	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	7.32	ppb
Sulfur	34-1	-1650.33	-1850.11	-1905.87	-1802.11		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.02	0.02	0.01	42.74	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	17.48	ppb
Tin	118-1	0.06	0.04	0.06	0.05	19.33	ppb
Titanium	47-1	0.03	0.08	0.04	0.05	52.28	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:38:04	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				108		%
Yttrium	89-2				106		%
Zinc	66-2	0.05	-0.05	-0.02	0.00		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	43.10	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	42.04	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:41:22	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91051.54	88558.43	90649.75	90086.57	1.49	ppb
Antimony	121-1	1.04	1.02	1.00	1.02	1.66	ppb
Arsenic	75-2	0.23	0.33	0.36	0.31	21.20	ppb
Barium	135-1	1.26	1.30	1.31	1.29	1.97	ppb
Barium	137-1	1.22	1.29	1.28	1.26	2.78	ppb
Beryllium	9-1	0.36	0.33	0.30	0.33	9.08	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.62	7.16	7.23	7.34	3.42	ppb
Cadmium	106-1	-2.38	-1.11	-2.16	-1.88		ppb
Cadmium	111-1	0.33	0.42	0.39	0.38	12.28	ppb
Calcium	43-1	100336.18	97111.99	98487.66	98645.27	1.64	ppb
Calcium	44-1	99029.91	98591.23	98358.96	98660.03	0.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.15	19.04	19.29	19.16	0.66	ppb
Cobalt	59-2	1.18	1.23	1.18	1.20	2.41	ppb
Copper	63-2	7.26	7.27	7.14	7.22	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				111		%
Holmium	165-2				106		%
Indium	115-1				109		%
Indium	115-2				106		%
Iron	56-2	98181.33	99417.09	99228.28	98942.23	0.67	ppb
Iron	57-2	100023.24	100203.05	98176.88	99467.72	1.13	ppb
Iron	54-2	98123.38	99885.35	100180.03	99396.25	1.12	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:41:22	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.03	4.13	4.41	4.19	4.64	ppb
Lead	207-1	3.69	3.64	3.84	3.72	2.72	ppb
Lead	208-1	3.83	3.84	3.94	3.87	1.64	ppb
Lithium	6-1				94		%
Magnesium	24-2	90870.37	90220.86	90597.46	90562.90	0.36	ppb
Manganese	55-2	6.57	6.74	6.71	6.67	1.33	ppb
Molybdenum	94-1	1698.74	1779.29	1710.08	1729.37	2.52	ppb
Molybdenum	95-1	2044.50	2211.00	2071.95	2109.15	4.23	ppb
Molybdenum	96-1	2001.45	2140.01	2053.81	2065.09	3.39	ppb
Molybdenum	97-1	2026.32	2156.96	2075.02	2086.10	3.16	ppb
Molybdenum	98-1	2024.68	2165.29	2094.62	2094.86	3.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.67	5.40	5.63	5.57	2.63	ppb
Phosphorus	31-2	105097.25	104277.40	104750.77	104708.47	0.39	ppb
Potassium	39-2	96066.29	96597.99	97570.21	96744.83	0.79	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	82-1	-0.54	0.14	-0.14	-0.18		ppb
Selenium	77-2	-0.09	0.15	0.15	0.07	185.58	ppb
Selenium	78-2	-0.32	1.06	-1.53	-0.26		ppb
Silicon	28-1	0.52	0.60	0.58	0.56	7.70	ppb
Silver	107-1	0.05	0.04	0.04	0.04	16.73	ppb
Silver	109-1	0.06	0.05	0.04	0.05	23.92	ppb
Sodium	23-2	100490.13	98831.50	99484.19	99601.94	0.84	ppb
Strontium	86-1	31.47	32.62	31.61	31.90	1.96	ppb
Strontium	88-1	30.14	31.68	30.86	30.90	2.49	ppb
Sulfur	34-1	138106.40	130667.63	132038.96	133604.33	2.96	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	0.05	0.05	0.05	0.05	5.30	ppb
Thallium	205-1	0.05	0.05	0.06	0.05	12.30	ppb
Tin	118-1	0.41	0.53	0.57	0.50	16.05	ppb
Titanium	47-1	2105.64	2122.62	2138.87	2122.37	0.78	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:41:22	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	4.31	ppb
Vanadium	51-2	0.15	0.16	0.18	0.16	9.92	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	10.85	10.94	10.59	10.80	1.69	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	7.87	ppb
Zirconium	91-1	0.03	0.03	0.05	0.04	26.88	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:49:36	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88408.24	88057.49	87161.18	87875.64	0.73	ppb
Antimony	121-1	19.27	18.38	19.26	18.97	2.68	ppb
Arsenic	75-2	20.60	21.87	21.50	21.32	3.07	ppb
Barium	135-1	19.49	18.87	19.07	19.15	1.66	ppb
Barium	137-1	19.32	18.77	19.47	19.19	1.92	ppb
Beryllium	9-1	23.34	24.43	23.74	23.84	2.31	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.76	27.61	25.40	26.59	4.18	ppb
Cadmium	106-1	15.37	15.48	15.86	15.57	1.65	ppb
Cadmium	111-1	22.10	20.59	21.85	21.52	3.76	ppb
Calcium	43-1	96097.10	97640.94	101410.82	98382.95	2.78	ppb
Calcium	44-1	97945.83	95946.76	100395.33	98095.97	2.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.58	43.23	43.48	43.43	0.42	ppb
Cobalt	59-2	20.08	20.07	19.90	20.02	0.51	ppb
Copper	63-2	26.14	25.57	25.72	25.81	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				114		%
Holmium	165-2				107		%
Indium	115-1				109		%
Indium	115-2				104		%
Iron	56-2	98738.24	97681.85	98447.59	98289.23	0.56	ppb
Iron	57-2	96744.55	99152.85	98611.31	98169.57	1.29	ppb
Iron	54-2	99683.72	99113.79	97897.74	98898.42	0.92	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:49:36	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.08	24.65	24.31	24.68	1.56	ppb
Lead	207-1	22.83	23.36	23.74	23.31	1.94	ppb
Lead	208-1	23.56	23.58	23.82	23.66	0.60	ppb
Lithium	6-1				90		%
Magnesium	24-2	88737.04	87275.29	88670.78	88227.70	0.94	ppb
Manganese	55-2	24.50	24.41	24.26	24.39	0.52	ppb
Molybdenum	94-1	1742.01	1671.95	1709.70	1707.89	2.05	ppb
Molybdenum	95-1	2107.02	2070.27	2107.92	2095.07	1.03	ppb
Molybdenum	96-1	2042.78	2038.17	2049.33	2043.43	0.27	ppb
Molybdenum	97-1	2057.24	2050.17	2065.88	2057.77	0.38	ppb
Molybdenum	98-1	2098.04	2078.54	2095.71	2090.76	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	29.99	30.05	30.29	30.11	0.53	ppb
Phosphorus	31-2	103647.48	103174.98	103719.96	103514.14	0.29	ppb
Potassium	39-2	96158.26	95263.26	97526.42	96315.98	1.18	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	82-1	21.73	20.82	21.99	21.51	2.86	ppb
Selenium	77-2	17.41	18.27	18.71	18.13	3.65	ppb
Selenium	78-2	19.81	21.57	19.92	20.43	4.82	ppb
Silicon	28-1	0.60	0.65	0.59	0.61	4.81	ppb
Silver	107-1	18.34	17.48	18.11	17.98	2.47	ppb
Silver	109-1	17.69	17.69	18.26	17.88	1.85	ppb
Sodium	23-2	96868.37	96591.72	96074.21	96511.43	0.42	ppb
Strontium	86-1	32.24	30.82	32.89	31.98	3.31	ppb
Strontium	88-1	31.15	30.25	30.92	30.77	1.52	ppb
Sulfur	34-1	126146.19	126083.79	132373.39	128201.13	2.82	ppb
Terbium	159-1				111		%
Terbium	159-2				105		%
Thallium	203-1	18.12	18.73	18.06	18.30	2.00	ppb
Thallium	205-1	17.64	18.03	18.29	17.99	1.80	ppb
Tin	118-1	0.28	0.36	0.42	0.35	20.03	ppb
Titanium	47-1	2087.57	2046.56	2112.67	2082.27	1.60	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:49:36	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.03	0.03	0.03	5.04	ppb
Vanadium	51-2	18.75	18.60	18.46	18.60	0.77	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	28.94	29.21	29.26	29.14	0.59	ppb
Zirconium	90-1	0.02	0.03	0.01	0.02	32.28	ppb
Zirconium	91-1	0.03	0.03	0.02	0.02	16.84	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:52:41	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48338.20	48284.28	49220.24	48614.24	1.08	ppb
Antimony	121-1	504.19	516.28	512.34	510.94	1.21	ppb
Arsenic	75-2	510.71	504.64	494.63	503.32	1.61	ppb
Barium	135-1	2562.63	2604.51	2542.64	2569.93	1.23	ppb
Barium	137-1	2545.44	2614.49	2535.47	2565.13	1.68	ppb
Beryllium	9-1	557.73	554.84	564.38	558.98	0.87	ppb
Bismuth	209-1				106		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	516.37	520.32	520.04	518.91	0.42	ppb
Cadmium	106-1	508.24	522.55	521.69	517.49	1.55	ppb
Cadmium	111-1	516.44	523.97	527.00	522.47	1.04	ppb
Calcium	43-1	246689.61	254997.51	249201.53	250296.22	1.70	ppb
Calcium	44-1	246513.76	251977.58	254139.06	250876.80	1.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.88	527.04	520.30	524.08	0.66	ppb
Cobalt	59-2	514.46	514.81	515.85	515.04	0.14	ppb
Copper	63-2	5253.25	5330.77	5408.14	5330.72	1.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				106		%
Indium	115-1				108		%
Indium	115-2				105		%
Iron	56-2	126825.57	126532.37	127795.36	127051.10	0.52	ppb
Iron	57-2	127538.49	128000.51	129498.30	128345.77	0.80	ppb
Iron	54-2	127342.96	127491.46	129647.44	128160.62	1.01	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:52:41	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2585.17	2527.13	2624.93	2579.08	1.91	ppb
Lead	207-1	2574.33	2592.47	2644.75	2603.85	1.40	ppb
Lead	208-1	2584.06	2576.02	2628.20	2596.09	1.08	ppb
Lithium	6-1				90		%
Magnesium	24-2	243126.56	241630.04	251249.31	245335.30	2.11	ppb
Manganese	55-2	5090.32	5137.47	5146.66	5124.81	0.59	ppb
Molybdenum	94-1	5111.75	5135.35	5155.39	5134.16	0.43	ppb
Molybdenum	95-1	5095.27	5187.87	5274.08	5185.74	1.72	ppb
Molybdenum	96-1	5151.77	5123.33	5203.47	5159.53	0.79	ppb
Molybdenum	97-1	5064.26	5052.98	5057.06	5058.10	0.11	ppb
Molybdenum	98-1	5066.77	5133.65	5114.20	5104.87	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	489.38	499.39	504.07	497.61	1.51	ppb
Phosphorus	31-2	10038.70	10201.99	10401.90	10214.20	1.78	ppb
Potassium	39-2	120911.72	121707.90	124830.48	122483.37	1.69	ppb
Rhodium	103-1				107		%
Rhodium	103-2				104		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	492.78	487.61	500.05	493.48	1.27	ppb
Selenium	77-2	483.91	493.18	490.76	489.28	0.98	ppb
Selenium	78-2	503.67	481.64	480.61	488.64	2.67	ppb
Silicon	28-1	511.65	535.48	522.66	523.26	2.28	ppb
Silver	107-1	516.33	530.68	528.35	525.12	1.47	ppb
Silver	109-1	518.11	523.60	526.22	522.64	0.79	ppb
Sodium	23-2	247079.74	248713.02	245582.03	247124.93	0.63	ppb
Strontium	86-1	458.55	461.99	467.68	462.74	1.00	ppb
Strontium	88-1	514.61	517.58	524.55	518.91	0.98	ppb
Sulfur	34-1	8411.14	8959.12	8549.96	8640.07	3.30	ppb
Terbium	159-1				113		%
Terbium	159-2				109		%
Thallium	203-1	527.17	520.50	534.17	527.28	1.30	ppb
Thallium	205-1	518.12	519.18	528.73	522.01	1.12	ppb
Tin	118-1	517.29	508.10	523.04	516.14	1.46	ppb
Titanium	47-1	5092.56	5184.09	5226.90	5167.85	1.33	ppb

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:52:41	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	527.92	520.22	526.81	524.99	0.79	ppb
Vanadium	51-2	516.31	528.67	539.87	528.29	2.23	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	5128.13	5173.87	5285.75	5195.92	1.56	ppb
Zirconium	90-1	514.74	522.80	530.88	522.81	1.54	ppb
Zirconium	91-1	454.55	461.36	469.23	461.72	1.59	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:57:59	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.05	-0.29	-0.22	-0.15		ppb
Antimony	121-1	0.05	0.05	0.05	0.05	3.20	ppb
Arsenic	75-2	-0.01	0.00	0.02	0.00	298.52	ppb
Barium	135-1	0.00	0.02	0.01	0.01	145.96	ppb
Barium	137-1	0.01	0.01	0.01	0.01	38.22	ppb
Beryllium	9-1	0.02	0.02	0.01	0.02	16.04	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	0.00	0.09	0.06	90.56	ppb
Cadmium	106-1	-3.15	-2.86	-3.33	-3.11		ppb
Cadmium	111-1	-0.03	-0.02	-0.03	-0.03		ppb
Calcium	43-1	0.15	0.64	0.49	0.43	59.82	ppb
Calcium	44-1	15.36	12.91	13.55	13.94	9.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	0.00	0.06	0.01	1012.90	ppb
Cobalt	59-2	0.00	0.01	0.01	0.00	34.75	ppb
Copper	63-2	0.04	0.04	0.02	0.03	29.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				102		%
Indium	115-1				109		%
Indium	115-2				106		%
Iron	56-2	1.63	1.76	1.85	1.75	6.36	ppb
Iron	57-2	1.48	0.80	1.55	1.28	32.60	ppb
Iron	54-2	2.06	0.96	1.23	1.42	40.55	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:57:59	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.09	0.07	0.06	0.07	19.43	ppb
Lead	207-1	0.07	0.08	0.07	0.07	7.88	ppb
Lead	208-1	0.07	0.06	0.06	0.06	11.08	ppb
Lithium	6-1				89		%
Magnesium	24-2	1.49	1.67	2.02	1.72	15.75	ppb
Manganese	55-2	-1.14	-1.14	-1.09	-1.12		ppb
Molybdenum	94-1	0.06	0.11	0.09	0.09	27.86	ppb
Molybdenum	95-1	0.08	0.08	0.06	0.07	17.05	ppb
Molybdenum	96-1	0.06	0.08	0.08	0.07	18.75	ppb
Molybdenum	97-1	0.08	0.07	0.09	0.08	16.86	ppb
Molybdenum	98-1	0.06	0.07	0.08	0.07	11.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.05	0.01	-0.02		ppb
Phosphorus	31-2	-137.27	-135.38	-132.54	-135.06		ppb
Potassium	39-2	18.76	18.45	21.45	19.55	8.46	ppb
Rhodium	103-1				109		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	-0.70	-0.26	-0.37	-0.44		ppb
Selenium	77-2	0.65	-0.09	-0.09	0.16	265.62	ppb
Selenium	78-2	-0.35	1.52	-1.16	0.01	27102.13	ppb
Silicon	28-1	-0.02	-0.32	-0.50	-0.28		ppb
Silver	107-1	0.02	0.02	0.01	0.02	28.23	ppb
Silver	109-1	0.02	0.02	0.02	0.02	21.38	ppb
Sodium	23-2	36.72	35.76	36.36	36.28	1.34	ppb
Strontium	86-1	0.00	0.01	0.03	0.01	133.76	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	23.48	ppb
Sulfur	34-1	-2007.62	-2012.23	-2068.91	-2029.59		ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.08	0.08	0.09	0.09	7.40	ppb
Thallium	205-1	0.09	0.09	0.08	0.09	2.62	ppb
Tin	118-1	0.02	-0.03	0.01	0.00		ppb
Titanium	47-1	0.03	0.04	0.05	0.04	30.86	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:57:59	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	16.80	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	0.04	0.04	-0.01	0.02	123.57	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	31.97	ppb
Zirconium	91-1	0.02	0.03	0.01	0.02	42.11	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:01:19	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.14	15.29	17.64	16.36	7.26	ppb
Antimony	121-1	1.80	1.78	1.73	1.77	1.91	ppb
Arsenic	75-2	0.95	1.08	0.90	0.98	9.85	ppb
Barium	135-1	8.28	8.24	8.32	8.28	0.47	ppb
Barium	137-1	8.55	8.57	8.29	8.47	1.87	ppb
Beryllium	9-1	1.17	1.25	1.00	1.14	11.07	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.17	1.15	0.92	1.08	12.64	ppb
Cadmium	106-1	-0.64	-0.64	-1.43	-0.90		ppb
Cadmium	111-1	0.87	0.90	0.90	0.89	1.57	ppb
Calcium	43-1	410.25	415.86	421.06	415.72	1.30	ppb
Calcium	44-1	434.84	426.93	417.65	426.47	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.75	1.89	1.80	1.81	3.74	ppb
Cobalt	59-2	0.92	0.98	0.95	0.95	3.32	ppb
Copper	63-2	1.77	1.85	1.76	1.79	2.87	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	43.74	43.42	43.68	43.61	0.39	ppb
Iron	57-2	44.58	44.81	46.65	45.35	2.50	ppb
Iron	54-2	44.31	46.28	44.70	45.10	2.32	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:01:19	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.77	0.78	0.72	0.76	4.50	ppb
Lead	207-1	0.74	0.78	0.79	0.77	3.30	ppb
Lead	208-1	0.74	0.76	0.76	0.75	1.26	ppb
Lithium	6-1				91		%
Magnesium	24-2	383.38	384.07	384.92	384.12	0.20	ppb
Manganese	55-2	2.71	2.86	2.73	2.77	2.97	ppb
Molybdenum	94-1	4.99	5.06	5.10	5.05	1.13	ppb
Molybdenum	95-1	4.29	4.31	4.26	4.29	0.54	ppb
Molybdenum	96-1	4.15	4.20	4.32	4.22	2.06	ppb
Molybdenum	97-1	4.33	4.19	4.29	4.27	1.77	ppb
Molybdenum	98-1	4.19	4.23	4.35	4.26	1.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	0.92	0.99	0.95	3.80	ppb
Phosphorus	31-2	106.92	98.07	118.72	107.90	9.60	ppb
Potassium	39-2	420.92	424.77	424.20	423.30	0.49	ppb
Rhodium	103-1				109		%
Rhodium	103-2				107		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	82-1	4.86	4.38	4.85	4.70	5.85	ppb
Selenium	77-2	7.70	3.95	4.99	5.55	34.93	ppb
Selenium	78-2	5.86	4.23	6.99	5.70	24.35	ppb
Silicon	28-1	-0.22	-0.13	-0.20	-0.18		ppb
Silver	107-1	0.98	0.96	0.95	0.96	1.56	ppb
Silver	109-1	0.95	1.00	0.96	0.97	2.55	ppb
Sodium	23-2	415.85	418.98	412.18	415.67	0.82	ppb
Strontium	86-1	0.94	0.90	0.98	0.94	4.24	ppb
Strontium	88-1	0.84	0.85	0.86	0.85	1.73	ppb
Sulfur	34-1	-1585.61	-1544.56	-1842.60	-1657.59		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.93	0.99	0.96	0.96	2.88	ppb
Thallium	205-1	0.89	0.94	0.93	0.92	2.68	ppb
Tin	118-1	4.36	4.36	4.34	4.36	0.33	ppb
Titanium	47-1	4.53	4.11	4.25	4.30	4.95	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:01:19	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.77	0.82	0.80	0.80	2.83	ppb
Vanadium	51-2	4.38	4.36	4.40	4.38	0.55	ppb
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	4.99	4.89	4.74	4.87	2.60	ppb
Zirconium	90-1	0.86	0.87	0.89	0.88	1.88	ppb
Zirconium	91-1	0.85	0.84	0.92	0.87	5.10	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:04:35	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1807.68	1798.04	1790.11	1798.61	0.49	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	7.57	ppb
Arsenic	75-2	1.20	1.33	1.28	1.27	5.08	ppb
Barium	135-1	2.49	2.38	2.39	2.42	2.47	ppb
Barium	137-1	2.47	2.35	2.39	2.40	2.47	ppb
Beryllium	9-1	0.35	0.26	0.33	0.31	14.80	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.43	0.31	0.33	0.36	18.07	ppb
Cadmium	106-1	-0.66	-1.99	-1.58	-1.41		ppb
Cadmium	111-1	0.17	0.14	0.19	0.17	13.63	ppb
Calcium	43-1	4952.21	4945.22	5102.09	4999.84	1.77	ppb
Calcium	44-1	5695.87	5619.54	5655.61	5657.00	0.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.01	1.01	0.98	1.00	1.76	ppb
Cobalt	59-2	4.76	4.72	4.64	4.71	1.31	ppb
Copper	63-2	8.31	8.53	8.34	8.39	1.46	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				109		%
Holmium	165-2				103		%
Indium	115-1				110		%
Indium	115-2				107		%
Iron	56-2	347.35	344.90	341.75	344.67	0.82	ppb
Iron	57-2	367.69	367.83	366.52	367.35	0.20	ppb
Iron	54-2	357.15	356.04	350.53	354.57	1.00	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:04:35	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.68	1.72	1.69	1.70	1.32	ppb
Lead	207-1	1.55	1.64	1.55	1.58	3.35	ppb
Lead	208-1	1.57	1.64	1.60	1.60	2.03	ppb
Lithium	6-1				91		%
Magnesium	24-2	600.02	611.96	594.25	602.08	1.50	ppb
Manganese	55-2	302.47	299.24	302.38	301.36	0.61	ppb
Molybdenum	94-1	0.10	0.09	0.06	0.08	22.75	ppb
Molybdenum	95-1	0.03	0.04	0.03	0.03	16.98	ppb
Molybdenum	96-1	0.05	0.04	0.02	0.04	35.67	ppb
Molybdenum	97-1	0.04	0.06	0.02	0.04	54.38	ppb
Molybdenum	98-1	0.02	0.01	0.01	0.01	48.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.02	3.81	3.76	3.86	3.57	ppb
Phosphorus	31-2	91.81	75.35	78.72	81.96	10.61	ppb
Potassium	39-2	797.36	798.26	797.90	797.84	0.06	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				102		%
Selenium	82-1	0.09	-0.51	-1.02	-0.48		ppb
Selenium	77-2	2.47	2.99	4.21	3.23	27.60	ppb
Selenium	78-2	-0.93	0.68	0.98	0.24	425.69	ppb
Silicon	28-1	73.63	72.09	71.07	72.26	1.79	ppb
Silver	107-1	0.01	0.02	0.01	0.01	26.52	ppb
Silver	109-1	0.01	0.02	0.01	0.01	19.38	ppb
Sodium	23-2	209.28	214.08	211.62	211.66	1.13	ppb
Strontium	86-1	21.77	23.08	21.55	22.13	3.74	ppb
Strontium	88-1	21.10	21.76	21.01	21.29	1.93	ppb
Sulfur	34-1	7991.84	8077.37	7742.05	7937.09	2.20	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.08	0.08	0.09	0.08	3.62	ppb
Thallium	205-1	0.09	0.09	0.08	0.08	7.41	ppb
Tin	118-1	-0.01	0.02	-0.01	0.00		ppb
Titanium	47-1	0.34	0.39	0.37	0.37	7.27	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:04:35	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.32	0.34	0.32	0.33	4.52	ppb
Vanadium	51-2	2.41	2.48	2.58	2.49	3.50	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	32.86	31.96	31.87	32.23	1.71	ppb
Zirconium	90-1	0.04	0.04	0.03	0.04	12.11	ppb
Zirconium	91-1	0.04	0.04	0.04	0.04	6.48	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:07:51	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1812.78	1804.79	1810.05	1809.21	0.22	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	40.12	ppb
Arsenic	75-2	1.30	1.66	1.47	1.48	11.94	ppb
Barium	135-1	2.47	2.45	2.37	2.43	2.20	ppb
Barium	137-1	2.44	2.45	2.47	2.45	0.54	ppb
Beryllium	9-1	0.28	0.31	0.34	0.31	9.21	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.26	0.29	0.25	19.81	ppb
Cadmium	106-1	-2.27	-1.29	-1.81	-1.79		ppb
Cadmium	111-1	0.19	0.23	0.19	0.20	10.22	ppb
Calcium	43-1	5056.28	5254.07	5130.04	5146.80	1.94	ppb
Calcium	44-1	5823.82	5938.43	5560.55	5774.27	3.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.01	1.12	1.01	1.05	6.32	ppb
Cobalt	59-2	4.71	4.71	4.77	4.73	0.78	ppb
Copper	63-2	8.70	8.65	8.70	8.68	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				107		%
Holmium	165-2				104		%
Indium	115-1				108		%
Indium	115-2				106		%
Iron	56-2	348.71	349.32	348.69	348.90	0.10	ppb
Iron	57-2	382.28	369.66	378.79	376.91	1.73	ppb
Iron	54-2	351.24	352.04	352.71	352.00	0.21	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:07:51	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.67	1.74	1.77	1.73	2.81	ppb
Lead	207-1	1.65	1.69	1.65	1.66	1.16	ppb
Lead	208-1	1.60	1.67	1.69	1.65	2.88	ppb
Lithium	6-1				90		%
Magnesium	24-2	603.68	606.01	602.99	604.23	0.26	ppb
Manganese	55-2	304.20	305.58	304.93	304.91	0.23	ppb
Molybdenum	94-1	0.04	0.06	0.08	0.06	40.73	ppb
Molybdenum	95-1	0.03	0.03	0.01	0.02	63.89	ppb
Molybdenum	96-1	0.04	0.05	0.04	0.04	12.41	ppb
Molybdenum	97-1	0.02	0.03	-0.01	0.01	143.81	ppb
Molybdenum	98-1	0.02	0.02	0.04	0.02	47.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.98	4.01	4.13	4.04	1.86	ppb
Phosphorus	31-2	72.63	87.13	84.20	81.32	9.43	ppb
Potassium	39-2	813.20	809.33	807.52	810.02	0.36	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				103		%
Selenium	82-1	-1.01	-0.63	-0.43	-0.69		ppb
Selenium	77-2	3.67	2.95	1.84	2.82	32.81	ppb
Selenium	78-2	0.74	1.03	2.45	1.41	65.26	ppb
Silicon	28-1	70.73	76.00	72.18	72.97	3.73	ppb
Silver	107-1	0.01	0.00	0.00	0.00	71.57	ppb
Silver	109-1	0.00	0.01	0.01	0.01	41.90	ppb
Sodium	23-2	212.77	212.73	207.92	211.14	1.32	ppb
Strontium	86-1	21.40	22.78	22.86	22.35	3.66	ppb
Strontium	88-1	20.88	21.93	22.01	21.60	2.93	ppb
Sulfur	34-1	7587.45	8749.41	8013.70	8116.85	7.24	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.07	0.07	0.08	0.07	12.23	ppb
Thallium	205-1	0.08	0.06	0.07	0.07	12.60	ppb
Tin	118-1	0.00	-0.02	0.00	-0.01		ppb
Titanium	47-1	0.34	0.44	0.40	0.39	12.49	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:07:51	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.35	0.35	0.34	2.17	ppb
Vanadium	51-2	2.47	2.43	2.46	2.45	0.93	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	32.94	33.42	33.52	33.29	0.92	ppb
Zirconium	90-1	0.02	0.03	0.04	0.03	22.90	ppb
Zirconium	91-1	0.04	0.02	0.04	0.03	39.07	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	500
Date & Time Acquired :	2025-07-24 12:11:04	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	354.89	362.94	354.15	357.33	1.37	ppb
Antimony	121-1	0.00	0.00	0.01	0.00	84.06	ppb
Arsenic	75-2	0.23	0.28	0.23	0.25	11.98	ppb
Barium	135-1	0.48	0.43	0.43	0.45	6.24	ppb
Barium	137-1	0.49	0.51	0.49	0.50	2.63	ppb
Beryllium	9-1	0.07	0.08	0.09	0.08	14.86	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.03	0.16	0.12	64.75	ppb
Cadmium	106-1	-0.64	-1.50	-1.26	-1.13		ppb
Cadmium	111-1	0.03	0.01	0.03	0.03	38.17	ppb
Calcium	43-1	1019.53	1033.31	1056.68	1036.50	1.81	ppb
Calcium	44-1	1043.92	1064.32	1070.38	1059.54	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.18	0.19	0.18	0.18	5.23	ppb
Cobalt	59-2	0.99	0.93	0.97	0.97	3.63	ppb
Copper	63-2	1.68	1.69	1.57	1.65	3.99	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				106		%
Holmium	165-2				103		%
Indium	115-1				108		%
Indium	115-2				106		%
Iron	56-2	70.58	70.12	69.99	70.23	0.44	ppb
Iron	57-2	74.73	74.00	75.30	74.67	0.87	ppb
Iron	54-2	69.66	70.15	68.04	69.28	1.60	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	500
Date & Time Acquired :	2025-07-24 12:11:04	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.34	0.40	0.33	0.36	10.50	ppb
Lead	207-1	0.33	0.36	0.38	0.36	7.01	ppb
Lead	208-1	0.34	0.37	0.35	0.35	3.85	ppb
Lithium	6-1				91		%
Magnesium	24-2	119.86	120.25	121.99	120.70	0.94	ppb
Manganese	55-2	59.93	59.94	59.57	59.81	0.35	ppb
Molybdenum	94-1	0.02	-0.01	0.01	0.00	314.81	ppb
Molybdenum	95-1	0.02	0.00	0.01	0.01	69.25	ppb
Molybdenum	96-1	0.02	0.02	0.02	0.02	15.45	ppb
Molybdenum	97-1	0.02	0.02	0.00	0.01	91.35	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	146.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.88	0.79	0.83	0.83	5.11	ppb
Phosphorus	31-2	-95.04	-89.71	-90.89	-91.88		ppb
Potassium	39-2	166.06	171.10	168.62	168.59	1.50	ppb
Rhodium	103-1				109		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				103		%
Selenium	82-1	-0.67	-0.22	-0.66	-0.52		ppb
Selenium	77-2	-0.09	0.63	1.58	0.71	118.12	ppb
Selenium	78-2	-1.45	1.49	-1.73	-0.56		ppb
Silicon	28-1	19.23	19.87	19.90	19.67	1.91	ppb
Silver	107-1	0.00	0.01	0.00	0.00	42.11	ppb
Silver	109-1	0.00	0.00	0.00	0.00	312.01	ppb
Sodium	23-2	55.93	55.16	55.58	55.56	0.69	ppb
Strontium	86-1	4.80	4.63	4.63	4.69	2.07	ppb
Strontium	88-1	4.44	4.30	4.47	4.40	2.00	ppb
Sulfur	34-1	-399.28	-200.23	-253.00	-284.17		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	0.07	0.03	0.05	0.05	34.10	ppb
Thallium	205-1	0.04	0.06	0.05	0.05	15.43	ppb
Tin	118-1	-0.04	-0.02	-0.01	-0.02		ppb
Titanium	47-1	0.10	0.16	0.11	0.13	25.71	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	500
Date & Time Acquired :	2025-07-24 12:11:04	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.07	0.07	0.07	0.07	0.61	ppb
Vanadium	51-2	0.48	0.51	0.48	0.49	3.48	ppb
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	6.44	6.68	6.50	6.54	1.90	ppb
Zirconium	90-1	0.01	0.02	0.01	0.02	52.15	ppb
Zirconium	91-1	0.01	0.02	0.03	0.02	55.14	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:14:21	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	751.81	747.95	748.60	749.45	0.28	ppb
Antimony	121-1	3.86	3.86	3.89	3.87	0.41	ppb
Arsenic	75-2	6.06	5.38	5.42	5.62	6.79	ppb
Barium	135-1	17.53	18.42	17.98	17.98	2.48	ppb
Barium	137-1	17.97	18.22	18.22	18.14	0.80	ppb
Beryllium	9-1	4.81	4.85	5.05	4.90	2.62	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.37	4.47	4.07	4.64	14.33	ppb
Cadmium	106-1	2.10	2.77	3.18	2.68	20.24	ppb
Cadmium	111-1	4.31	4.73	4.78	4.61	5.59	ppb
Calcium	43-1	2297.43	2310.00	2268.79	2292.07	0.92	ppb
Calcium	44-1	2357.62	2346.69	2317.35	2340.55	0.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.32	4.26	4.21	4.26	1.22	ppb
Cobalt	59-2	5.67	5.77	5.62	5.68	1.40	ppb
Copper	63-2	42.34	42.83	42.20	42.46	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				103		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	299.71	300.05	299.37	299.71	0.11	ppb
Iron	57-2	322.59	310.18	309.76	314.18	2.32	ppb
Iron	54-2	308.67	305.39	305.38	306.48	0.62	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:14:21	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	18.64	18.83	18.48	18.65	0.94	ppb
Lead	207-1	18.49	18.72	18.43	18.55	0.81	ppb
Lead	208-1	18.52	18.62	18.38	18.51	0.65	ppb
Lithium	6-1				91		%
Magnesium	24-2	573.53	575.58	577.13	575.41	0.31	ppb
Manganese	55-2	154.32	154.25	153.58	154.05	0.27	ppb
Molybdenum	94-1	17.49	17.86	17.79	17.71	1.11	ppb
Molybdenum	95-1	13.54	13.75	13.62	13.64	0.79	ppb
Molybdenum	96-1	13.66	14.15	13.98	13.93	1.77	ppb
Molybdenum	97-1	13.37	13.50	13.59	13.49	0.80	ppb
Molybdenum	98-1	13.45	13.69	13.80	13.65	1.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.70	5.92	5.86	5.83	1.96	ppb
Phosphorus	31-2	-44.59	-46.09	-32.53	-41.07		ppb
Potassium	39-2	483.10	480.17	483.58	482.28	0.38	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	4.26	4.19	4.08	4.18	2.14	ppb
Selenium	77-2	4.36	3.71	6.25	4.77	27.72	ppb
Selenium	78-2	5.78	4.51	4.57	4.95	14.51	ppb
Silicon	28-1	32.46	32.19	31.15	31.93	2.15	ppb
Silver	107-1	0.66	0.64	0.70	0.67	4.47	ppb
Silver	109-1	0.67	0.66	0.68	0.67	1.75	ppb
Sodium	23-2	429.11	430.49	429.65	429.75	0.16	ppb
Strontium	86-1	12.95	13.13	13.18	13.09	0.92	ppb
Strontium	88-1	12.50	12.84	12.83	12.72	1.54	ppb
Sulfur	34-1	1571.81	1409.09	1335.62	1438.84	8.40	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	3.73	3.73	3.65	3.70	1.29	ppb
Thallium	205-1	3.63	3.64	3.59	3.62	0.67	ppb
Tin	118-1	3.42	4.57	3.43	3.81	17.41	ppb
Titanium	47-1	0.18	0.14	0.18	0.17	13.38	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:14:21	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.54	3.55	3.52	3.54	0.38	ppb
Vanadium	51-2	4.97	4.84	4.82	4.88	1.66	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	52.90	52.45	52.39	52.58	0.53	ppb
Zirconium	90-1	3.52	3.62	3.57	3.57	1.45	ppb
Zirconium	91-1	3.72	3.57	3.74	3.68	2.48	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:17:38	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	831.79	834.79	825.78	830.79	0.55	ppb
Antimony	121-1	4.32	4.30	4.40	4.34	1.20	ppb
Arsenic	75-2	6.32	6.14	6.33	6.26	1.70	ppb
Barium	135-1	19.88	19.92	19.67	19.82	0.68	ppb
Barium	137-1	19.93	19.95	20.18	20.02	0.69	ppb
Beryllium	9-1	5.13	5.18	5.31	5.21	1.81	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.75	4.96	4.96	4.89	2.47	ppb
Cadmium	106-1	3.60	3.24	2.65	3.16	15.10	ppb
Cadmium	111-1	5.21	5.00	5.19	5.13	2.22	ppb
Calcium	43-1	2499.25	2564.02	2531.97	2531.75	1.28	ppb
Calcium	44-1	2572.24	2613.19	2576.20	2587.21	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.54	4.64	4.58	4.58	1.10	ppb
Cobalt	59-2	6.39	6.33	6.24	6.32	1.24	ppb
Copper	63-2	47.04	46.69	46.54	46.76	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				107		%
Holmium	165-2				103		%
Indium	115-1				109		%
Indium	115-2				108		%
Iron	56-2	332.18	330.77	330.53	331.16	0.27	ppb
Iron	57-2	341.64	346.36	330.51	339.50	2.40	ppb
Iron	54-2	339.21	341.92	339.33	340.15	0.45	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:17:38	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	20.20	21.07	20.38	20.55	2.22	ppb
Lead	207-1	20.20	20.66	20.09	20.32	1.47	ppb
Lead	208-1	19.95	20.80	20.23	20.33	2.13	ppb
Lithium	6-1				91		%
Magnesium	24-2	632.27	638.90	633.48	634.89	0.56	ppb
Manganese	55-2	170.63	170.71	169.38	170.24	0.44	ppb
Molybdenum	94-1	19.04	19.73	19.90	19.56	2.34	ppb
Molybdenum	95-1	14.61	14.95	15.11	14.89	1.72	ppb
Molybdenum	96-1	15.15	15.10	15.84	15.36	2.69	ppb
Molybdenum	97-1	14.74	14.99	14.94	14.89	0.88	ppb
Molybdenum	98-1	14.67	15.02	15.26	14.98	1.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.67	6.41	6.30	6.46	2.94	ppb
Phosphorus	31-2	-45.26	-42.59	-42.81	-43.55		ppb
Potassium	39-2	528.15	522.03	518.20	522.79	0.96	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	82-1	4.89	4.44	4.63	4.65	4.82	ppb
Selenium	77-2	6.06	4.39	5.12	5.19	16.14	ppb
Selenium	78-2	6.19	3.05	6.99	5.41	38.47	ppb
Silicon	28-1	34.82	36.16	35.51	35.50	1.88	ppb
Silver	107-1	0.74	0.75	0.77	0.75	2.05	ppb
Silver	109-1	0.73	0.73	0.71	0.72	1.42	ppb
Sodium	23-2	476.37	476.98	471.25	474.87	0.66	ppb
Strontium	86-1	14.05	14.38	14.46	14.30	1.50	ppb
Strontium	88-1	13.72	13.96	14.27	13.98	1.96	ppb
Sulfur	34-1	1846.55	2029.73	1860.17	1912.15	5.34	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	3.95	4.21	4.00	4.05	3.34	ppb
Thallium	205-1	3.91	4.11	3.96	3.99	2.64	ppb
Tin	118-1	3.80	3.83	3.96	3.86	2.21	ppb
Titanium	47-1	0.34	0.16	0.20	0.23	40.33	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:17:38	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.82	3.98	3.90	3.90	2.03	ppb
Vanadium	51-2	5.41	5.40	5.12	5.31	3.10	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	59.53	58.46	58.48	58.82	1.04	ppb
Zirconium	90-1	3.89	4.04	4.05	3.99	2.20	ppb
Zirconium	91-1	4.07	4.14	4.22	4.14	1.85	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:20:57	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	803.99	807.62	793.58	801.73	0.91	ppb
Antimony	121-1	4.18	4.09	4.16	4.14	1.12	ppb
Arsenic	75-2	6.02	6.44	6.14	6.20	3.46	ppb
Barium	135-1	18.97	19.17	19.20	19.11	0.65	ppb
Barium	137-1	19.51	19.29	19.66	19.49	0.94	ppb
Beryllium	9-1	5.46	5.05	5.36	5.29	4.06	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.31	4.61	4.51	4.48	3.41	ppb
Cadmium	106-1	2.88	3.02	3.35	3.08	7.87	ppb
Cadmium	111-1	5.08	5.20	5.08	5.12	1.42	ppb
Calcium	43-1	2561.28	2508.68	2437.88	2502.61	2.47	ppb
Calcium	44-1	2546.87	2540.52	2503.38	2530.26	0.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.44	4.51	4.56	4.50	1.35	ppb
Cobalt	59-2	6.22	6.10	6.20	6.17	1.06	ppb
Copper	63-2	46.10	46.45	45.86	46.14	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				107		%
Holmium	165-2				104		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	323.59	325.01	321.05	323.22	0.62	ppb
Iron	57-2	337.11	329.37	334.02	333.50	1.17	ppb
Iron	54-2	324.36	328.10	325.68	326.05	0.58	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:20:57	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	19.83	19.86	20.21	19.97	1.05	ppb
Lead	207-1	19.67	19.48	19.44	19.53	0.63	ppb
Lead	208-1	19.68	19.65	19.85	19.72	0.55	ppb
Lithium	6-1				91		%
Magnesium	24-2	617.54	626.05	621.65	621.75	0.69	ppb
Manganese	55-2	165.28	164.96	163.09	164.45	0.72	ppb
Molybdenum	94-1	18.74	19.27	18.97	18.99	1.41	ppb
Molybdenum	95-1	14.47	14.51	14.72	14.57	0.93	ppb
Molybdenum	96-1	15.04	14.93	14.95	14.97	0.39	ppb
Molybdenum	97-1	14.44	14.40	14.83	14.56	1.62	ppb
Molybdenum	98-1	14.60	14.42	14.51	14.51	0.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.68	6.60	6.54	6.60	1.04	ppb
Phosphorus	31-2	-43.43	-43.50	-49.23	-45.38		ppb
Potassium	39-2	499.14	517.45	504.30	506.96	1.86	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	3.94	3.87	4.25	4.02	4.95	ppb
Selenium	77-2	4.25	4.17	5.20	4.54	12.67	ppb
Selenium	78-2	7.34	6.09	4.14	5.86	27.56	ppb
Silicon	28-1	34.21	33.33	34.08	33.87	1.41	ppb
Silver	107-1	0.72	0.73	0.73	0.72	0.55	ppb
Silver	109-1	0.68	0.70	0.69	0.69	1.64	ppb
Sodium	23-2	460.52	465.09	456.95	460.85	0.89	ppb
Strontium	86-1	13.92	13.99	14.29	14.07	1.39	ppb
Strontium	88-1	13.62	13.68	13.70	13.67	0.31	ppb
Sulfur	34-1	2087.25	1819.27	1653.09	1853.20	11.82	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	3.89	3.84	3.85	3.86	0.66	ppb
Thallium	205-1	3.83	3.74	3.85	3.80	1.59	ppb
Tin	118-1	3.88	3.88	3.84	3.87	0.61	ppb
Titanium	47-1	0.16	0.23	0.16	0.18	23.06	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:20:57	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.73	3.72	3.76	3.74	0.62	ppb
Vanadium	51-2	5.11	5.12	5.23	5.16	1.32	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	59.84	59.49	59.43	59.59	0.37	ppb
Zirconium	90-1	3.82	3.88	3.86	3.85	0.68	ppb
Zirconium	91-1	3.96	4.02	3.91	3.96	1.29	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:24:13	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1658.35	1638.62	1648.30	1648.43	0.60	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	10.31	ppb
Arsenic	75-2	1.05	0.99	1.15	1.06	7.50	ppb
Barium	135-1	1.82	1.81	1.84	1.82	0.79	ppb
Barium	137-1	1.78	1.81	1.84	1.81	1.55	ppb
Beryllium	9-1	0.32	0.27	0.40	0.33	20.72	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.22	0.32	0.12	0.22	43.74	ppb
Cadmium	106-1	-0.73	-1.07	-2.46	-1.42		ppb
Cadmium	111-1	0.18	0.18	0.14	0.17	12.54	ppb
Calcium	43-1	3355.99	3409.14	3366.51	3377.22	0.83	ppb
Calcium	44-1	3699.39	3724.47	3728.05	3717.30	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.87	0.93	0.92	0.91	3.85	ppb
Cobalt	59-2	4.41	4.40	4.35	4.39	0.73	ppb
Copper	63-2	8.45	8.19	8.22	8.29	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				109		%
Holmium	165-2				105		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	245.57	242.10	242.77	243.48	0.76	ppb
Iron	57-2	268.07	266.13	263.87	266.02	0.79	ppb
Iron	54-2	248.84	245.73	247.69	247.42	0.64	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:24:13	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.32	1.35	1.33	1.33	1.30	ppb
Lead	207-1	1.23	1.22	1.28	1.25	2.65	ppb
Lead	208-1	1.27	1.29	1.26	1.27	0.88	ppb
Lithium	6-1				93		%
Magnesium	24-2	506.44	491.70	496.99	498.38	1.50	ppb
Manganese	55-2	287.88	283.48	285.48	285.61	0.77	ppb
Molybdenum	94-1	0.09	0.08	0.11	0.09	17.36	ppb
Molybdenum	95-1	0.01	0.02	0.02	0.02	20.34	ppb
Molybdenum	96-1	0.01	0.04	0.02	0.02	53.16	ppb
Molybdenum	97-1	0.04	0.01	0.02	0.02	64.70	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	8.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.92	3.72	4.10	3.91	4.87	ppb
Phosphorus	31-2	45.62	11.01	35.83	30.82	57.88	ppb
Potassium	39-2	688.99	678.01	687.94	684.98	0.88	ppb
Rhodium	103-1				111		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				105		%
Selenium	82-1	0.48	-0.55	-0.51	-0.19		ppb
Selenium	77-2	1.97	2.46	2.45	2.29	12.05	ppb
Selenium	78-2	0.98	-0.08	-0.21	0.23	284.37	ppb
Silicon	28-1	66.88	71.36	70.85	69.70	3.52	ppb
Silver	107-1	0.01	0.01	0.01	0.01	12.51	ppb
Silver	109-1	0.01	0.00	0.01	0.01	17.98	ppb
Sodium	23-2	179.44	179.30	178.14	178.96	0.40	ppb
Strontium	86-1	10.92	11.28	11.36	11.19	2.08	ppb
Strontium	88-1	10.69	10.94	10.68	10.77	1.33	ppb
Sulfur	34-1	5062.54	5340.20	5691.68	5364.80	5.88	ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.05	0.05	0.05	0.05	2.24	ppb
Thallium	205-1	0.05	0.05	0.04	0.05	8.31	ppb
Tin	118-1	0.01	-0.01	0.00	0.00	289.40	ppb
Titanium	47-1	0.39	0.27	0.29	0.31	21.62	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:24:13	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.29	0.28	0.31	0.30	5.14	ppb
Vanadium	51-2	2.21	2.20	2.11	2.17	2.53	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	28.04	26.44	27.62	27.37	3.04	ppb
Zirconium	90-1	0.04	0.05	0.05	0.05	12.60	ppb
Zirconium	91-1	0.04	0.04	0.05	0.04	3.46	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:31:08	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1226.65	1224.49	1227.28	1226.14	0.12	ppb
Antimony	121-1	0.01	0.00	0.01	0.00	26.29	ppb
Arsenic	75-2	1.33	1.40	1.47	1.40	5.15	ppb
Barium	135-1	2.60	2.72	2.59	2.64	2.83	ppb
Barium	137-1	2.65	2.67	2.74	2.69	1.64	ppb
Beryllium	9-1	0.21	0.19	0.21	0.20	4.47	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.31	0.25	0.25	24.16	ppb
Cadmium	106-1	-1.82	-1.25	-1.92	-1.66		ppb
Cadmium	111-1	0.20	0.13	0.16	0.17	20.72	ppb
Calcium	43-1	5393.48	5498.77	5462.82	5451.69	0.98	ppb
Calcium	44-1	5937.73	6138.89	6014.66	6030.43	1.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.88	0.83	0.89	0.86	3.66	ppb
Cobalt	59-2	2.95	2.93	2.92	2.93	0.55	ppb
Copper	63-2	4.48	4.36	4.50	4.45	1.75	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				112		%
Holmium	165-2				108		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	496.95	484.27	494.30	491.84	1.36	ppb
Iron	57-2	464.52	465.82	466.07	465.47	0.18	ppb
Iron	54-2	446.95	440.56	448.65	445.38	0.96	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:31:08	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.77	1.68	1.66	1.70	3.36	ppb
Lead	207-1	1.61	1.57	1.61	1.60	1.38	ppb
Lead	208-1	1.66	1.59	1.61	1.62	2.19	ppb
Lithium	6-1				97		%
Magnesium	24-2	779.63	773.80	776.15	776.53	0.38	ppb
Manganese	55-2	241.52	240.89	241.44	241.28	0.14	ppb
Molybdenum	94-1	0.08	0.10	0.07	0.08	20.19	ppb
Molybdenum	95-1	0.00	0.01	0.01	0.01	77.30	ppb
Molybdenum	96-1	0.01	0.01	0.03	0.02	56.63	ppb
Molybdenum	97-1	0.02	0.04	-0.01	0.02	182.05	ppb
Molybdenum	98-1	-0.01	0.01	0.01	0.00	269.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.26	3.00	3.25	3.17	4.67	ppb
Phosphorus	31-2	117.42	109.69	129.04	118.72	8.21	ppb
Potassium	39-2	854.59	848.82	860.65	854.69	0.69	ppb
Rhodium	103-1				113		%
Rhodium	103-2				111		%
Scandium	45-1				111		%
Scandium	45-2				108		%
Selenium	82-1	-0.53	-0.47	-1.26	-0.75		ppb
Selenium	77-2	1.25	1.97	1.04	1.42	34.30	ppb
Selenium	78-2	0.83	-0.08	0.84	0.53	99.41	ppb
Silicon	28-1	53.05	54.73	52.48	53.42	2.18	ppb
Silver	107-1	0.00	0.00	0.00	0.00	118.52	ppb
Silver	109-1	0.00	0.00	0.00	0.00	63.86	ppb
Sodium	23-2	240.86	237.32	239.22	239.14	0.74	ppb
Strontium	86-1	17.18	16.97	17.02	17.06	0.63	ppb
Strontium	88-1	16.79	16.55	16.94	16.76	1.17	ppb
Sulfur	34-1	7440.52	7785.92	7731.59	7652.68	2.43	ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	0.03	0.04	0.04	0.04	5.73	ppb
Thallium	205-1	0.04	0.04	0.03	0.04	9.74	ppb
Tin	118-1	0.02	0.04	-0.01	0.02	135.55	ppb
Titanium	47-1	0.58	0.71	0.59	0.63	10.91	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:31:08	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.14	0.15	0.15	0.15	4.28	ppb
Vanadium	51-2	2.53	2.59	2.61	2.58	1.62	ppb
Yttrium	89-1				117		%
Yttrium	89-2				113		%
Zinc	66-2	34.59	33.38	34.47	34.14	1.95	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	8.87	ppb
Zirconium	91-1	0.05	0.04	0.05	0.05	16.27	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-03DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:34:24	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2360.98	2348.07	2363.17	2357.40	0.35	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	24.21	ppb
Arsenic	75-2	2.23	2.11	2.32	2.22	4.71	ppb
Barium	135-1	3.86	4.12	3.88	3.95	3.60	ppb
Barium	137-1	4.03	4.05	3.92	4.00	1.72	ppb
Beryllium	9-1	0.40	0.49	0.36	0.42	15.56	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.44	0.46	0.36	42.01	ppb
Cadmium	106-1	-0.67	-1.19	-2.04	-1.30		ppb
Cadmium	111-1	0.26	0.24	0.22	0.24	7.28	ppb
Calcium	43-1	4473.39	4559.19	4486.84	4506.47	1.02	ppb
Calcium	44-1	4967.18	4937.45	4974.57	4959.74	0.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.84	1.73	1.86	1.81	3.77	ppb
Cobalt	59-2	5.57	5.41	5.56	5.51	1.68	ppb
Copper	63-2	12.44	12.26	12.44	12.38	0.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				108		%
Indium	115-1				113		%
Indium	115-2				112		%
Iron	56-2	904.90	910.96	914.06	909.97	0.51	ppb
Iron	57-2	836.64	819.18	841.57	832.46	1.41	ppb
Iron	54-2	829.86	831.25	827.67	829.59	0.22	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-03DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:34:24	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.00	3.00	2.97	2.99	0.65	ppb
Lead	207-1	2.86	2.89	2.74	2.83	2.73	ppb
Lead	208-1	2.89	2.86	2.82	2.85	1.17	ppb
Lithium	6-1				95		%
Magnesium	24-2	785.58	780.56	780.17	782.10	0.39	ppb
Manganese	55-2	358.83	359.32	362.10	360.08	0.49	ppb
Molybdenum	94-1	0.11	0.12	0.17	0.13	24.36	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	10.16	ppb
Molybdenum	96-1	0.03	0.06	0.05	0.05	35.14	ppb
Molybdenum	97-1	0.06	0.03	0.00	0.03	90.29	ppb
Molybdenum	98-1	0.01	0.03	0.02	0.02	44.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.37	5.44	5.21	5.34	2.25	ppb
Phosphorus	31-2	141.41	152.91	164.34	152.89	7.50	ppb
Potassium	39-2	1116.65	1117.94	1130.27	1121.62	0.67	ppb
Rhodium	103-1				114		%
Rhodium	103-2				109		%
Scandium	45-1				111		%
Scandium	45-2				107		%
Selenium	82-1	-0.17	-0.10	0.27	0.00		ppb
Selenium	77-2	3.25	3.48	4.42	3.72	16.63	ppb
Selenium	78-2	0.73	0.27	0.94	0.65	52.56	ppb
Silicon	28-1	109.41	106.69	106.73	107.61	1.45	ppb
Silver	107-1	0.00	0.00	0.01	0.00	31.91	ppb
Silver	109-1	0.00	0.00	0.01	0.00	98.47	ppb
Sodium	23-2	259.74	261.54	264.13	261.80	0.84	ppb
Strontium	86-1	15.27	16.23	15.99	15.83	3.15	ppb
Strontium	88-1	15.45	15.50	15.56	15.50	0.36	ppb
Sulfur	34-1	9002.82	9075.75	8721.19	8933.25	2.10	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.03	0.04	0.04	0.04	8.03	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	1.53	ppb
Tin	118-1	0.00	-0.02	-0.01	-0.01		ppb
Titanium	47-1	16.81	16.70	17.00	16.84	0.89	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-03DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:34:24	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.56	0.56	0.55	0.56	0.94	ppb
Vanadium	51-2	4.17	3.97	4.12	4.09	2.54	ppb
Yttrium	89-1				117		%
Yttrium	89-2				114		%
Zinc	66-2	36.23	35.24	36.05	35.84	1.47	ppb
Zirconium	90-1	0.07	0.07	0.06	0.07	0.92	ppb
Zirconium	91-1	0.07	0.04	0.06	0.06	24.64	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:39:25	DataFile Name :	032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48004.98	47674.81	48087.10	47922.29	0.46	ppb
Antimony	121-1	494.00	507.45	509.91	503.79	1.70	ppb
Arsenic	75-2	492.23	489.83	487.41	489.82	0.49	ppb
Barium	135-1	2486.00	2546.04	2578.54	2536.86	1.85	ppb
Barium	137-1	2516.29	2511.15	2614.23	2547.22	2.28	ppb
Beryllium	9-1	537.11	539.63	545.48	540.74	0.79	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	517.46	512.54	523.79	517.93	1.09	ppb
Cadmium	106-1	514.43	514.49	537.01	521.98	2.49	ppb
Cadmium	111-1	512.85	515.82	532.48	520.39	2.03	ppb
Calcium	43-1	244984.12	238853.50	245575.51	243137.71	1.53	ppb
Calcium	44-1	245073.71	241546.02	245067.09	243895.61	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	515.65	511.91	509.91	512.49	0.57	ppb
Cobalt	59-2	510.17	504.59	497.11	503.96	1.30	ppb
Copper	63-2	5179.44	5163.79	5156.56	5166.60	0.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				109		%
Iron	56-2	125219.57	123385.34	124018.86	124207.92	0.75	ppb
Iron	57-2	125759.02	123960.86	124107.54	124609.14	0.80	ppb
Iron	54-2	126920.46	124107.12	126282.50	125770.03	1.17	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:39:25	DataFile Name :	032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2536.64	2577.41	2580.57	2564.87	0.96	ppb
Lead	207-1	2507.70	2597.09	2628.93	2577.91	2.44	ppb
Lead	208-1	2521.36	2577.80	2568.94	2556.03	1.19	ppb
Lithium	6-1				97		%
Magnesium	24-2	239634.84	239828.44	240578.98	240014.09	0.21	ppb
Manganese	55-2	5063.98	4955.12	5114.81	5044.64	1.62	ppb
Molybdenum	94-1	5063.01	4913.64	5119.34	5032.00	2.11	ppb
Molybdenum	95-1	5141.37	4850.20	5054.46	5015.35	2.98	ppb
Molybdenum	96-1	5131.35	4840.25	5021.47	4997.69	2.94	ppb
Molybdenum	97-1	5019.31	4874.62	4936.50	4943.48	1.47	ppb
Molybdenum	98-1	5033.28	4910.21	5009.62	4984.37	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	482.61	483.48	482.15	482.75	0.14	ppb
Phosphorus	31-2	10112.14	9959.34	10098.38	10056.62	0.84	ppb
Potassium	39-2	118009.74	118633.72	120175.24	118939.57	0.94	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	485.96	469.85	482.69	479.50	1.78	ppb
Selenium	77-2	472.65	476.32	471.97	473.65	0.49	ppb
Selenium	78-2	478.43	468.99	478.26	475.23	1.14	ppb
Silicon	28-1	515.10	512.19	531.66	519.65	2.02	ppb
Silver	107-1	521.53	524.49	535.22	527.08	1.37	ppb
Silver	109-1	536.79	512.46	537.64	528.96	2.70	ppb
Sodium	23-2	242190.39	234992.68	243203.14	240128.74	1.86	ppb
Strontium	86-1	451.31	439.08	452.48	447.62	1.66	ppb
Strontium	88-1	512.50	501.72	508.29	507.50	1.07	ppb
Sulfur	34-1	9157.49	8742.86	8976.58	8958.98	2.32	ppb
Terbium	159-1				114		%
Terbium	159-2				110		%
Thallium	203-1	526.28	522.96	540.04	529.76	1.71	ppb
Thallium	205-1	517.65	527.04	521.05	521.91	0.91	ppb
Tin	118-1	508.06	505.33	531.77	515.05	2.82	ppb
Titanium	47-1	5016.60	5002.10	4996.20	5004.96	0.21	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:39:25	DataFile Name :	032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	503.53	520.23	513.38	512.38	1.64	ppb
Vanadium	51-2	504.27	511.78	522.37	512.81	1.77	ppb
Yttrium	89-1				116		%
Yttrium	89-2				112		%
Zinc	66-2	5095.69	4999.77	5065.85	5053.77	0.97	ppb
Zirconium	90-1	513.17	503.94	511.85	509.66	0.98	ppb
Zirconium	91-1	455.66	442.43	455.55	451.21	1.69	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:45:01	DataFile Name :	033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.55	-0.90	-0.51	-0.66		ppb
Antimony	121-1	0.04	0.05	0.05	0.05	10.58	ppb
Arsenic	75-2	0.00	0.02	-0.02	0.00	3574.91	ppb
Barium	135-1	0.02	0.00	0.00	0.01	122.02	ppb
Barium	137-1	0.00	0.00	0.00	0.00	204.86	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	82.87	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.09	0.03	0.00	0.04	120.73	ppb
Cadmium	106-1	-2.91	-3.05	-3.42	-3.13		ppb
Cadmium	111-1	-0.03	-0.02	-0.03	-0.03		ppb
Calcium	43-1	-0.28	1.63	0.39	0.58	167.85	ppb
Calcium	44-1	12.60	13.56	11.02	12.39	10.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.05	0.01	0.00		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	45.51	ppb
Copper	63-2	-0.05	-0.07	-0.10	-0.07		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				103		%
Indium	115-1				110		%
Indium	115-2				106		%
Iron	56-2	1.04	0.79	0.83	0.88	15.36	ppb
Iron	57-2	-1.08	0.45	-0.04	-0.22		ppb
Iron	54-2	0.32	-0.24	0.22	0.10	299.67	ppb
Krypton	83-1						cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:45:01	DataFile Name :	033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.04	0.05	0.05	17.43	ppb
Lead	207-1	0.05	0.03	0.02	0.03	49.01	ppb
Lead	208-1	0.04	0.03	0.03	0.04	14.03	ppb
Lithium	6-1				96		%
Magnesium	24-2	1.02	0.79	0.70	0.83	19.77	ppb
Manganese	55-2	-1.07	-1.16	-1.13	-1.12		ppb
Molybdenum	94-1	0.02	0.08	0.06	0.06	62.84	ppb
Molybdenum	95-1	0.06	0.05	0.05	0.05	10.02	ppb
Molybdenum	96-1	0.06	0.04	0.04	0.05	25.98	ppb
Molybdenum	97-1	0.07	0.03	0.04	0.05	39.61	ppb
Molybdenum	98-1	0.06	0.05	0.04	0.05	29.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.06	0.00	-0.04		ppb
Phosphorus	31-2	-132.78	-131.37	-141.19	-135.11		ppb
Potassium	39-2	13.40	12.40	9.32	11.71	18.13	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	82-1	-0.21	-0.53	-0.38	-0.38		ppb
Selenium	77-2	-0.09	0.15	-0.09	-0.01		ppb
Selenium	78-2	0.71	-0.42	-0.02	0.09	628.74	ppb
Silicon	28-1	-0.37	-0.69	-0.82	-0.63		ppb
Silver	107-1	0.01	0.02	0.01	0.01	37.29	ppb
Silver	109-1	0.01	0.01	0.01	0.01	16.16	ppb
Sodium	23-2	26.78	25.10	23.97	25.28	5.60	ppb
Strontium	86-1	0.03	0.00	0.00	0.01	186.13	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	51.04	ppb
Sulfur	34-1	-1848.00	-1581.81	-1691.32	-1707.04		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.04	0.04	0.02	0.03	36.19	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	3.22	ppb
Tin	118-1	-0.01	-0.01	-0.01	-0.01		ppb
Titanium	47-1	0.02	0.02	0.04	0.03	39.28	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:45:01	DataFile Name :	033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	67.35	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	-0.02	-0.07	-0.10	-0.06		ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	17.80	ppb
Zirconium	91-1	0.04	0.03	0.03	0.03	24.17	ppb

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:42:36	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	433	367	440	413	9.81	cps
Antimony	121-1	57	33	30	40	36.33	cps
Arsenic	75-2	7	17	13	12	41.65	cps
Barium	135-1	13	23	30	22	37.76	cps
Barium	137-1	40	37	33	37	9.10	cps
Beryllium	9-1	3	0	7	3	100.05	cps
Bismuth	209-1	4141026	4236907	4286856	4221596	1.76	cps
Bismuth	209-2	4224586	4194867	4172535	4197329	0.62	cps
Bromine	81-1	8119	8302	8139	8187	1.23	cps
Bromine	81-2	207	210	140	186	21.28	cps
Cadmium	108-1	3	7	0	3	100.05	cps
Cadmium	106-1	2174	2107	2114	2131	1.72	cps
Cadmium	111-1	222	213	225	220	2.84	cps
Calcium	43-1	233	293	280	269	11.72	cps
Calcium	44-1	22831	23268	25502	23867	6.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2077	2030	2170	2092	3.41	cps
Cobalt	59-2	67	63	67	66	2.94	cps
Copper	63-2	1933	1963	1927	1941	1.01	cps
Dysprosium	156-1	17	0	10	9	94.38	cps
Dysprosium	156-2	0	0	17	6	173.21	cps
Erbium	164-1	37	40	53	43	20.34	cps
Erbium	164-2	47	40	20	36	39.03	cps
Gadolinium	160-1	67	63	40	57	25.64	cps
Gadolinium	160-2	307	253	247	269	12.23	cps
Holmium	165-1	6285395	6462814	6536207	6428139	2.01	cps
Holmium	165-2	5510980	5550993	5438293	5500088	1.04	cps
Indium	115-1	5556143	5660890	5654761	5623932	1.05	cps
Indium	115-2	2411037	2412717	2398906	2407553	0.31	cps
Iron	56-2	20154	20527	19947	20209	1.46	cps
Iron	57-2	1317	1467	1347	1377	5.77	cps
Iron	54-2	2634	2514	2704	2617	3.67	cps
Krypton	83-1	463	467	447	459	2.34	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:42:36	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	387	380	407	391	3.55	cps
Lead	207-1	343	323	367	344	6.30	cps
Lead	208-1	1640	1640	1737	1672	3.34	cps
Lithium	6-1	680524	706772	698370	695222	1.93	cps
Magnesium	24-2	210	257	200	222	13.61	cps
Manganese	55-2	3867	3721	3707	3765	2.36	cps
Molybdenum	94-1	260	233	227	240	7.35	cps
Molybdenum	95-1	197	187	187	190	3.04	cps
Molybdenum	96-1	260	210	213	228	12.27	cps
Molybdenum	97-1	150	177	150	159	9.69	cps
Molybdenum	98-1	330	327	330	329	0.59	cps
Neodymium	150-1	10	10	7	9	21.63	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	527	517	547	530	2.88	cps
Phosphorus	31-2	520	437	447	468	9.73	cps
Potassium	39-2	64566	65540	64610	64906	0.85	cps
Rhodium	103-1	5648367	5642542	5697476	5662795	0.53	cps
Rhodium	103-2	3943800	3885024	3913061	3913962	0.75	cps
Scandium	45-1	3737590	3826256	3865818	3809888	1.72	cps
Scandium	45-2	339659	340254	338725	339546	0.23	cps
Selenium	82-1	154	141	147	147	4.49	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	490	493	427	470	7.99	cps
Silicon	28-1	628427	624945	631261	628211	0.50	cps
Silver	107-1	30	37	37	34	11.18	cps
Silver	109-1	27	33	20	27	24.99	cps
Sodium	23-2	21061	20774	21221	21019	1.08	cps
Strontium	86-1	730	770	710	737	4.15	cps
Strontium	88-1	93	97	93	94	2.04	cps
Sulfur	34-1	206280	204560	206198	205679	0.47	cps
Terbium	159-1	6513891	6785839	6639303	6646344	2.05	cps
Terbium	159-2	5440880	5363124	5388755	5397586	0.73	cps
Thallium	203-1	97	93	137	109	22.15	cps
Thallium	205-1	243	290	267	267	8.75	cps
Tin	118-1	1013	1157	1173	1115	7.89	cps
Titanium	47-1	63	63	73	67	8.66	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:42:36	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10	13	53	26	94.36	cps
Vanadium	51-2	20	30	30	27	21.65	cps
Yttrium	89-1	8538678	8815372	8784985	8713011	1.74	cps
Yttrium	89-2	2662883	2703198	2653639	2673240	0.99	cps
Zinc	66-2	707	730	627	688	7.88	cps
Zirconium	90-1	250	317	330	299	14.34	cps
Zirconium	91-1	53	57	50	53	6.25	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:49:12	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3520	3477	3354	3450	2.51	cps
Antimony	121-1	9393	9780	9640	9604	2.04	cps
Arsenic	75-2	420	413	457	430	5.43	cps
Barium	135-1	10838	11268	11291	11132	2.30	cps
Barium	137-1	18856	19363	19397	19205	1.58	cps
Beryllium	9-1	943	900	950	931	2.92	cps
Bismuth	209-1	4319364	4306960	4294827	4307050	0.28	cps
Bismuth	209-2	4182338	4215075	4150412	4182608	0.77	cps
Bromine	81-1	8202	8206	7976	8128	1.62	cps
Bromine	81-2	203	167	157	176	14.00	cps
Cadmium	108-1	113	77	103	98	19.38	cps
Cadmium	106-1	2194	2114	2277	2195	3.72	cps
Cadmium	111-1	1450	1411	1459	1440	1.76	cps
Calcium	43-1	7922	8369	8129	8140	2.75	cps
Calcium	44-1	148372	150004	152139	150172	1.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7622	7909	8352	7961	4.62	cps
Cobalt	59-2	5038	4604	4701	4781	4.76	cps
Copper	63-2	8192	8116	8136	8148	0.49	cps
Dysprosium	156-1	13	7	7	9	43.25	cps
Dysprosium	156-2	0	3	10	4	114.60	cps
Erbium	164-1	23	50	37	37	36.37	cps
Erbium	164-2	33	37	43	38	13.48	cps
Gadolinium	160-1	40	47	40	42	9.12	cps
Gadolinium	160-2	247	217	253	239	8.18	cps
Holmium	165-1	6550142	6532147	6574752	6552347	0.33	cps
Holmium	165-2	5422737	5371496	5428437	5407557	0.58	cps
Indium	115-1	5729697	5649640	5728366	5702567	0.80	cps
Indium	115-2	2428320	2413555	2408114	2416663	0.43	cps
Iron	56-2	156450	156702	156681	156611	0.09	cps
Iron	57-2	4691	4597	4784	4691	1.99	cps
Iron	54-2	10077	10364	10103	10181	1.56	cps
Krypton	83-1	613	513	470	532	13.81	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:49:12	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3390	3304	3367	3354	1.34	cps
Lead	207-1	3047	2960	3157	3055	3.23	cps
Lead	208-1	13903	13673	13860	13812	0.89	cps
Lithium	6-1	714706	719025	719166	717632	0.35	cps
Magnesium	24-2	132500	134409	133067	133325	0.74	cps
Manganese	55-2	10327	10254	10547	10376	1.47	cps
Molybdenum	94-1	10584	11645	11094	11108	4.78	cps
Molybdenum	95-1	13176	13159	13083	13139	0.38	cps
Molybdenum	96-1	14567	14624	14808	14666	0.86	cps
Molybdenum	97-1	8089	8146	8329	8188	1.53	cps
Molybdenum	98-1	20237	21686	21159	21027	3.49	cps
Neodymium	150-1	7	0	3	3	100.05	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	1593	1697	1743	1678	4.58	cps
Phosphorus	31-2	2800	2584	2800	2728	4.59	cps
Potassium	39-2	223605	221882	220413	221967	0.72	cps
Rhodium	103-1	5685545	5824186	5820712	5776814	1.37	cps
Rhodium	103-2	3971486	3907552	3926343	3935127	0.84	cps
Scandium	45-1	3909668	3871816	3867247	3882910	0.60	cps
Scandium	45-2	341075	344723	340784	342194	0.64	cps
Selenium	82-1	587	651	755	664	12.77	cps
Selenium	77-2	93	103	90	96	7.26	cps
Selenium	78-2	687	760	697	714	5.57	cps
Silicon	28-1	634013	636812	635212	635346	0.22	cps
Silver	107-1	6938	7202	7522	7221	4.05	cps
Silver	109-1	6578	6682	7052	6771	3.68	cps
Sodium	23-2	225110	225401	225774	225429	0.15	cps
Strontium	86-1	2374	2350	2424	2382	1.57	cps
Strontium	88-1	14250	14037	14494	14260	1.60	cps
Sulfur	34-1	211807	211719	211280	211602	0.13	cps
Terbium	159-1	6843935	6795246	6802550	6813910	0.39	cps
Terbium	159-2	5540172	5329476	5523799	5464482	2.14	cps
Thallium	203-1	4587	4471	4804	4621	3.66	cps
Thallium	205-1	10791	10814	11445	11017	3.37	cps
Tin	118-1	20835	21973	21356	21388	2.66	cps
Titanium	47-1	3674	3801	4224	3899	7.39	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:49:12	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13637	13774	13490	13634	1.04	cps
Vanadium	51-2	12102	12048	11965	12038	0.57	cps
Yttrium	89-1	8944141	8783974	8775774	8834630	1.07	cps
Yttrium	89-2	2684858	2663730	2668181	2672256	0.42	cps
Zinc	66-2	3654	3484	3580	3573	2.39	cps
Zirconium	90-1	9633	9533	9743	9637	1.09	cps
Zirconium	91-1	2124	2117	2097	2112	0.66	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:52:29	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	166060	165839	165548	165816	0.15	cps
Antimony	121-1	242404	245723	245254	244460	0.73	cps
Arsenic	75-2	18168	18018	18662	18282	1.84	cps
Barium	135-1	290650	292371	294263	292428	0.62	cps
Barium	137-1	506225	507587	513442	509085	0.75	cps
Beryllium	9-1	44440	45256	44925	44874	0.91	cps
Bismuth	209-1	4232162	4386982	4381072	4333405	2.02	cps
Bismuth	209-2	4129309	4140756	4114033	4128032	0.32	cps
Bromine	81-1	8049	8122	7959	8043	1.02	cps
Bromine	81-2	97	113	93	101	10.60	cps
Cadmium	108-1	5271	5138	5148	5185	1.43	cps
Cadmium	106-1	9330	9186	9296	9271	0.81	cps
Cadmium	111-1	66736	68687	68004	67809	1.46	cps
Calcium	43-1	83280	84460	84001	83914	0.71	cps
Calcium	44-1	1436973	1468397	1495634	1467001	2.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	151331	148548	148679	149519	1.05	cps
Cobalt	59-2	229121	228680	228106	228636	0.22	cps
Copper	63-2	1924337	1903390	1892752	1906826	0.84	cps
Dysprosium	156-1	17	10	13	13	25.01	cps
Dysprosium	156-2	17	20	27	21	24.12	cps
Erbium	164-1	50	33	57	47	25.76	cps
Erbium	164-2	47	40	40	42	9.12	cps
Gadolinium	160-1	67	47	63	59	18.19	cps
Gadolinium	160-2	230	293	300	274	14.08	cps
Holmium	165-1	6607884	6617720	6741878	6655827	1.12	cps
Holmium	165-2	5434938	5368560	5484349	5429282	1.07	cps
Indium	115-1	5641170	5673449	5679589	5664736	0.36	cps
Indium	115-2	2426557	2389973	2407158	2407896	0.76	cps
Iron	56-2	7974523	7836164	7978939	7929876	1.02	cps
Iron	57-2	178130	176448	177101	177227	0.48	cps
Iron	54-2	401122	398631	395376	398376	0.72	cps
Krypton	83-1	470	567	503	513	9.57	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:52:29	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	908326	920820	924557	917901	0.93	cps
Lead	207-1	798729	800414	812629	803924	0.94	cps
Lead	208-1	4043698	4137103	4083650	4088150	1.15	cps
Lithium	6-1	706960	714059	716923	712647	0.72	cps
Magnesium	24-2	1661929	1645572	1712120	1673207	2.07	cps
Manganese	55-2	1137194	1117341	1123946	1126160	0.90	cps
Molybdenum	94-1	916307	937663	937134	930368	1.31	cps
Molybdenum	95-1	1528996	1534045	1536483	1533175	0.25	cps
Molybdenum	96-1	1676061	1710184	1668815	1685020	1.31	cps
Molybdenum	97-1	813735	831045	826763	823848	1.09	cps
Molybdenum	98-1	2360202	2396274	2432281	2396252	1.50	cps
Neodymium	150-1	27	3	27	19	71.34	cps
Neodymium	150-2	7	13	3	8	65.47	cps
Nickel	60-2	61904	60860	60947	61237	0.95	cps
Phosphorus	31-2	9363	9710	9296	9456	2.35	cps
Potassium	39-2	900607	892676	889670	894318	0.63	cps
Rhodium	103-1	5665807	5830853	5717337	5737999	1.47	cps
Rhodium	103-2	3935291	3947116	3882779	3921728	0.87	cps
Scandium	45-1	3801662	3831820	3832409	3821963	0.46	cps
Scandium	45-2	336089	336867	334167	335708	0.41	cps
Selenium	82-1	5705	5680	5744	5710	0.56	cps
Selenium	77-2	733	737	807	759	5.46	cps
Selenium	78-2	2667	2764	2927	2786	4.72	cps
Silicon	28-1	3541606	3613679	3647408	3600898	1.50	cps
Silver	107-1	337701	343815	346225	342580	1.28	cps
Silver	109-1	320182	328855	327981	325673	1.47	cps
Sodium	23-2	2541865	2521243	2514845	2525984	0.56	cps
Strontium	86-1	84903	86010	86854	85922	1.14	cps
Strontium	88-1	727006	739754	740496	735752	1.03	cps
Sulfur	34-1	232739	231138	230617	231498	0.48	cps
Terbium	159-1	6774178	6760415	6889582	6808058	1.04	cps
Terbium	159-2	5456108	5401823	5449254	5435729	0.54	cps
Thallium	203-1	219927	221256	226167	222450	1.48	cps
Thallium	205-1	527449	528771	536571	530930	0.93	cps
Tin	118-1	210470	212230	210812	211170	0.44	cps
Titanium	47-1	389683	392895	394652	392410	0.64	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:52:29	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	707569	714259	718377	713402	0.76	cps
Vanadium	51-2	125068	124502	122698	124089	1.00	cps
Yttrium	89-1	8592801	8851758	8885112	8776557	1.82	cps
Yttrium	89-2	2678891	2674718	2645961	2666524	0.67	cps
Zinc	66-2	307800	302676	304840	305105	0.84	cps
Zirconium	90-1	454673	467537	466059	462756	1.52	cps
Zirconium	91-1	100253	103284	102686	102074	1.57	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:55:38	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	409663	406000	405114	406925	0.59	cps
Antimony	121-1	607119	618066	616705	613963	0.97	cps
Arsenic	75-2	45008	45974	46239	45740	1.42	cps
Barium	135-1	725596	736012	742317	734642	1.15	cps
Barium	137-1	1261285	1287164	1278753	1275734	1.03	cps
Beryllium	9-1	108788	111943	111624	110785	1.57	cps
Bismuth	209-1	4285503	4360072	4413226	4352934	1.47	cps
Bismuth	209-2	4259738	4198280	4152098	4203372	1.28	cps
Bromine	81-1	8266	8326	8316	8302	0.39	cps
Bromine	81-2	107	107	133	116	13.32	cps
Cadmium	108-1	12819	12846	12679	12781	0.70	cps
Cadmium	106-1	20074	19947	19987	20003	0.32	cps
Cadmium	111-1	164511	169523	167671	167235	1.52	cps
Calcium	43-1	203876	210112	210061	208016	1.72	cps
Calcium	44-1	3666909	3690818	3647146	3668291	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	365021	365817	364321	365053	0.21	cps
Cobalt	59-2	571284	564926	575149	570453	0.90	cps
Copper	63-2	4680243	4730407	4692405	4701018	0.56	cps
Dysprosium	156-1	17	13	30	20	44.10	cps
Dysprosium	156-2	43	67	43	51	26.37	cps
Erbium	164-1	37	43	70	50	35.28	cps
Erbium	164-2	70	67	50	62	17.22	cps
Gadolinium	160-1	67	50	80	66	22.93	cps
Gadolinium	160-2	343	287	250	293	16.03	cps
Holmium	165-1	6646848	6747368	6681943	6692053	0.76	cps
Holmium	165-2	5595963	5550555	5469899	5538805	1.15	cps
Indium	115-1	5804194	5695804	5725944	5741981	0.97	cps
Indium	115-2	2457289	2414296	2506133	2459239	1.87	cps
Iron	56-2	19786932	19701966	18991435	19493444	2.24	cps
Iron	57-2	434172	432446	433500	433372	0.20	cps
Iron	54-2	981659	986753	982021	983478	0.29	cps
Krypton	83-1	473	430	443	449	4.95	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:55:38	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2651148	2710389	2771420	2710986	2.22	cps
Lead	207-1	2431397	2507856	2463217	2467490	1.56	cps
Lead	208-1	11028473	11237808	11340031	11202104	1.42	cps
Lithium	6-1	727042	726980	721631	725217	0.43	cps
Magnesium	24-2	4127633	4113891	4131016	4124180	0.22	cps
Manganese	55-2	3253714	3204358	3206045	3221372	0.87	cps
Molybdenum	94-1	2660845	2676189	2669496	2668843	0.29	cps
Molybdenum	95-1	3795530	3939861	3870793	3868728	1.87	cps
Molybdenum	96-1	4157586	4211926	4179201	4182904	0.65	cps
Molybdenum	97-1	2361129	2401781	2388832	2383914	0.87	cps
Molybdenum	98-1	5973217	6080794	6133826	6062612	1.35	cps
Neodymium	150-1	37	40	23	33	26.47	cps
Neodymium	150-2	20	20	30	23	24.74	cps
Nickel	60-2	151367	151381	150524	151090	0.32	cps
Phosphorus	31-2	23011	22583	22664	22753	1.00	cps
Potassium	39-2	2346980	2303749	2339529	2330086	0.99	cps
Rhodium	103-1	5783902	5664543	5738882	5729109	1.05	cps
Rhodium	103-2	3893218	3896183	4003576	3930992	1.60	cps
Scandium	45-1	3884274	3816334	3887792	3862800	1.04	cps
Scandium	45-2	340842	337149	340470	339487	0.60	cps
Selenium	82-1	13925	14323	14287	14179	1.55	cps
Selenium	77-2	1723	1683	1727	1711	1.41	cps
Selenium	78-2	6325	5988	5968	6094	3.29	cps
Silicon	28-1	7563643	7564923	7671873	7600146	0.82	cps
Silver	107-1	842072	864800	858273	855048	1.37	cps
Silver	109-1	808299	826629	817451	817460	1.12	cps
Sodium	23-2	6386648	6296111	6289798	6324186	0.86	cps
Strontium	86-1	209764	215309	215323	213465	1.50	cps
Strontium	88-1	2117609	2090182	2130341	2112711	0.97	cps
Sulfur	34-1	267720	266224	266581	266842	0.29	cps
Terbium	159-1	6968877	6880531	6835203	6894870	0.99	cps
Terbium	159-2	5591246	5468782	5461741	5507256	1.32	cps
Thallium	203-1	552049	564643	570323	562338	1.66	cps
Thallium	205-1	1311774	1334120	1339315	1328403	1.10	cps
Tin	118-1	523343	533262	535169	530592	1.20	cps
Titanium	47-1	977642	993033	993171	987949	0.90	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:55:38	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2191323	2195866	2208946	2198712	0.42	cps
Vanadium	51-2	310253	309764	304992	308336	0.94	cps
Yttrium	89-1	8962220	8914748	8949521	8942163	0.27	cps
Yttrium	89-2	2734791	2649450	2730927	2705056	1.78	cps
Zinc	66-2	748811	751275	751295	750460	0.19	cps
Zirconium	90-1	1150572	1171587	1156179	1159446	0.94	cps
Zirconium	91-1	251977	259731	260488	257399	1.83	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:58:36	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	805566	799473	803048	802696	0.38	cps
Antimony	121-1	1215904	1228824	1231424	1225384	0.68	cps
Arsenic	75-2	91091	89860	90481	90477	0.68	cps
Barium	135-1	1723118	1757586	1770964	1750556	1.41	cps
Barium	137-1	3017628	3028370	3058937	3034978	0.71	cps
Beryllium	9-1	213250	216501	217484	215745	1.03	cps
Bismuth	209-1	4334494	4426213	4346440	4369049	1.14	cps
Bismuth	209-2	4315951	4282985	4132930	4243955	2.30	cps
Bromine	81-1	8256	8226	8319	8267	0.58	cps
Bromine	81-2	110	137	170	139	21.64	cps
Cadmium	108-1	25666	25513	25733	25637	0.44	cps
Cadmium	106-1	37131	37823	37923	37625	1.15	cps
Cadmium	111-1	330196	339490	335573	335086	1.39	cps
Calcium	43-1	407859	414129	415955	412648	1.03	cps
Calcium	44-1	7341706	7288754	7234169	7288210	0.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	726137	725015	728782	726645	0.27	cps
Cobalt	59-2	1130447	1127565	1127347	1128453	0.15	cps
Copper	63-2	10353689	10454243	10279324	10362419	0.85	cps
Dysprosium	156-1	30	47	37	38	22.21	cps
Dysprosium	156-2	80	80	87	82	4.68	cps
Erbium	164-1	73	80	63	72	11.62	cps
Erbium	164-2	80	83	77	80	4.16	cps
Gadolinium	160-1	67	93	57	72	26.24	cps
Gadolinium	160-2	323	260	280	288	11.25	cps
Holmium	165-1	6799067	6746338	6692047	6745817	0.79	cps
Holmium	165-2	5594304	5607153	5666877	5622778	0.69	cps
Indium	115-1	5858529	5833261	5817890	5836560	0.35	cps
Indium	115-2	2478212	2401906	2409094	2429738	1.73	cps
Iron	56-2	38428844	38991773	38517446	38646021	0.78	cps
Iron	57-2	870972	867385	866365	868240	0.28	cps
Iron	54-2	2173862	2143147	2201275	2172761	1.34	cps
Krypton	83-1	533	480	467	493	7.15	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:58:36	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5540139	5577217	5798076	5638477	2.47	cps
Lead	207-1	5024044	5141703	5145733	5103827	1.35	cps
Lead	208-1	22902313	23534384	23276361	23237686	1.37	cps
Lithium	6-1	719256	714862	719663	717927	0.37	cps
Magnesium	24-2	8204189	8246598	8065197	8171995	1.16	cps
Manganese	55-2	6374976	6505231	6433742	6437983	1.01	cps
Molybdenum	94-1	5167183	5369568	5406052	5314267	2.42	cps
Molybdenum	95-1	7584112	7742652	7764221	7696995	1.28	cps
Molybdenum	96-1	8229649	8407014	8394081	8343582	1.19	cps
Molybdenum	97-1	4689105	4744085	4699855	4711015	0.62	cps
Molybdenum	98-1	12116049	12295524	12282361	12231311	0.82	cps
Neodymium	150-1	90	57	67	71	24.05	cps
Neodymium	150-2	27	17	23	22	22.91	cps
Nickel	60-2	415904	411977	411084	412989	0.62	cps
Phosphorus	31-2	45621	44358	45040	45006	1.41	cps
Potassium	39-2	4497254	4668342	4576158	4580585	1.87	cps
Rhodium	103-1	5701739	5786464	5723618	5737273	0.77	cps
Rhodium	103-2	3988171	3902692	3926132	3938999	1.12	cps
Scandium	45-1	3857606	3803049	3845834	3835496	0.75	cps
Scandium	45-2	338349	338464	339454	338756	0.18	cps
Selenium	82-1	27929	28325	28468	28240	0.99	cps
Selenium	77-2	3237	3390	3447	3358	3.24	cps
Selenium	78-2	11711	11391	11551	11551	1.39	cps
Silicon	28-1	13803233	13806206	13987108	13865515	0.76	cps
Silver	107-1	1926328	1957797	1940311	1941479	0.81	cps
Silver	109-1	1822795	1867083	1862610	1850829	1.32	cps
Sodium	23-2	12377558	12563907	12250561	12397342	1.27	cps
Strontium	86-1	420318	429426	428675	426140	1.19	cps
Strontium	88-1	4203563	4298359	4313154	4271692	1.39	cps
Sulfur	34-1	316688	319786	319726	318733	0.56	cps
Terbium	159-1	6883761	7013923	7011351	6969678	1.07	cps
Terbium	159-2	5614192	5582008	5492686	5562962	1.13	cps
Thallium	203-1	1109895	1128961	1134164	1124340	1.14	cps
Thallium	205-1	3193270	3267681	3239433	3233461	1.16	cps
Tin	118-1	1060402	1071836	1070593	1067610	0.59	cps
Titanium	47-1	2225325	2252754	2277208	2251763	1.15	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 10:58:36	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4398433	4462043	4398804	4419760	0.83	cps
Vanadium	51-2	615741	612964	614385	614363	0.23	cps
Yttrium	89-1	8889611	8834592	9033965	8919389	1.15	cps
Yttrium	89-2	2720967	2739241	2672664	2710957	1.27	cps
Zinc	66-2	1853706	1816476	1860924	1843702	1.29	cps
Zirconium	90-1	2644820	2659542	2769789	2691384	2.54	cps
Zirconium	91-1	504996	516758	519058	513604	1.47	cps

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:01:29	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1812025	1810622	1817295	1813314	0.19	cps
Antimony	121-1	2874175	2945873	2931628	2917226	1.30	cps
Arsenic	75-2	181833	181318	181605	181585	0.14	cps
Barium	135-1	3528148	3647487	3678478	3618037	2.19	cps
Barium	137-1	6063520	6231943	6134051	6143171	1.38	cps
Beryllium	9-1	420785	427077	427792	425218	0.91	cps
Bismuth	209-1	4347190	4451520	4382695	4393802	1.21	cps
Bismuth	209-2	4258843	4307585	4304213	4290213	0.63	cps
Bromine	81-1	8409	8613	8653	8558	1.53	cps
Bromine	81-2	137	137	160	144	9.32	cps
Cadmium	108-1	51401	52324	52602	52109	1.21	cps
Cadmium	106-1	73234	74249	73337	73607	0.76	cps
Cadmium	111-1	666773	677270	676310	673451	0.86	cps
Calcium	43-1	811956	845089	836898	831314	2.08	cps
Calcium	44-1	14551114	14794704	14680062	14675293	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1643270	1666515	1641461	1650415	0.85	cps
Cobalt	59-2	2589171	2692613	2536347	2606043	3.05	cps
Copper	63-2	19103708	19137668	19210988	19150788	0.29	cps
Dysprosium	156-1	60	67	73	67	10.00	cps
Dysprosium	156-2	187	143	143	158	15.86	cps
Erbium	164-1	183	123	133	147	21.92	cps
Erbium	164-2	137	130	130	132	2.91	cps
Gadolinium	160-1	100	90	97	96	5.33	cps
Gadolinium	160-2	327	337	350	338	3.47	cps
Holmium	165-1	6986303	6988972	7093819	7023031	0.87	cps
Holmium	165-2	5869364	5778491	5852627	5833494	0.83	cps
Indium	115-1	5862460	5796751	5819559	5826257	0.57	cps
Indium	115-2	2493505	2438048	2480969	2470841	1.18	cps
Iron	56-2	77820816	78139762	76519282	77493287	1.11	cps
Iron	57-2	1946820	1948169	1905295	1933428	1.26	cps
Iron	54-2	4278337	4243834	4303788	4275320	0.70	cps
Krypton	83-1	433	503	483	473	7.62	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:01:29	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11084643	11347469	11349578	11260563	1.35	cps
Lead	207-1	9867949	10244389	10248251	10120197	2.16	cps
Lead	208-1	45032637	46329072	46606496	45989401	1.83	cps
Lithium	6-1	714475	716177	720090	716914	0.40	cps
Magnesium	24-2	16326136	16144487	16213834	16228152	0.56	cps
Manganese	55-2	12947191	12663699	12966955	12859282	1.32	cps
Molybdenum	94-1	10659605	10936296	11043055	10879652	1.82	cps
Molybdenum	95-1	15619407	15948748	15674511	15747555	1.12	cps
Molybdenum	96-1	16835626	17358906	17211921	17135484	1.58	cps
Molybdenum	97-1	9419273	9713475	9778729	9637159	1.99	cps
Molybdenum	98-1	24428928	25415246	25413291	25085822	2.27	cps
Neodymium	150-1	127	167	150	148	13.60	cps
Neodymium	150-2	33	30	53	39	32.45	cps
Nickel	60-2	602810	609768	602696	605091	0.67	cps
Phosphorus	31-2	91512	89178	88116	89602	1.94	cps
Potassium	39-2	9304359	9361587	9145527	9270491	1.21	cps
Rhodium	103-1	5761760	5836765	5768392	5788973	0.72	cps
Rhodium	103-2	4043070	4000593	4026420	4023361	0.53	cps
Scandium	45-1	3926372	3850430	3826901	3867901	1.34	cps
Scandium	45-2	343885	345418	346078	345127	0.33	cps
Selenium	82-1	55263	56700	56982	56315	1.64	cps
Selenium	77-2	7062	6882	7018	6987	1.35	cps
Selenium	78-2	22604	23369	23542	23172	2.15	cps
Silicon	28-1	26290105	26597431	26630909	26506148	0.71	cps
Silver	107-1	3892392	3971177	3997101	3953557	1.38	cps
Silver	109-1	3728728	3821553	3838536	3796272	1.56	cps
Sodium	23-2	24551136	24903258	24763065	24739153	0.72	cps
Strontium	86-1	847036	869411	869011	861819	1.49	cps
Strontium	88-1	8428800	8619465	8619247	8555837	1.29	cps
Sulfur	34-1	430515	434294	433232	432680	0.45	cps
Terbium	159-1	7032625	7212358	7206199	7150394	1.43	cps
Terbium	159-2	5667274	5545392	5658749	5623805	1.21	cps
Thallium	203-1	2731769	2821850	2849169	2800929	2.19	cps
Thallium	205-1	6555164	6706271	6749689	6670374	1.53	cps
Tin	118-1	2443115	2514731	2539163	2499003	2.00	cps
Titanium	47-1	4517127	4667208	4574833	4586389	1.65	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:01:29	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9087797	9188722	9088661	9121727	0.64	cps
Vanadium	51-2	1423712	1432673	1453481	1436622	1.06	cps
Yttrium	89-1	9022847	9173885	9126088	9107607	0.85	cps
Yttrium	89-2	2779801	2796201	2770900	2782300	0.46	cps
Zinc	66-2	3364724	3387485	3443793	3398667	1.20	cps
Zirconium	90-1	5422645	5532297	5531269	5495403	1.15	cps
Zirconium	91-1	1030831	1050174	1051002	1044002	1.09	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:04:14	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3773493	3766303	3694223	3744673	1.17	cps
Antimony	121-1	5962989	6013939	5985832	5987587	0.43	cps
Arsenic	75-2	374233	367411	369423	370356	0.95	cps
Barium	135-1	7112584	7382234	7324103	7272974	1.95	cps
Barium	137-1	12270737	12511754	12492850	12425114	1.08	cps
Beryllium	9-1	806431	811847	807014	808430	0.37	cps
Bismuth	209-1	4429106	4562719	4555497	4515774	1.66	cps
Bismuth	209-2	4343152	4263317	4232162	4279544	1.34	cps
Bromine	81-1	8966	8829	8496	8764	2.76	cps
Bromine	81-2	120	157	123	133	15.21	cps
Cadmium	108-1	102100	103614	104880	103531	1.34	cps
Cadmium	106-1	143727	146422	146516	145555	1.09	cps
Cadmium	111-1	1325364	1359120	1350167	1344884	1.30	cps
Calcium	43-1	1842896	1903426	1907748	1884690	1.92	cps
Calcium	44-1	29090640	30032109	29927216	29683322	1.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3441972	3386983	3385499	3404818	0.95	cps
Cobalt	59-2	5392450	5289699	5291081	5324410	1.11	cps
Copper	63-2	38583079	37852736	37835115	38090310	1.12	cps
Dysprosium	156-1	143	180	130	151	17.13	cps
Dysprosium	156-2	290	347	293	310	10.26	cps
Erbium	164-1	250	187	203	213	15.39	cps
Erbium	164-2	170	150	177	166	8.38	cps
Gadolinium	160-1	167	140	160	156	8.92	cps
Gadolinium	160-2	357	423	390	390	8.55	cps
Holmium	165-1	6839652	6981671	7035391	6952238	1.45	cps
Holmium	165-2	5941365	5763450	5866028	5856948	1.52	cps
Indium	115-1	5801768	5804241	5929109	5845039	1.25	cps
Indium	115-2	2470006	2480873	2438458	2463112	0.89	cps
Iron	56-2	160131311	160317054	157299264	159249210	1.06	cps
Iron	57-2	3887384	3955436	3936176	3926332	0.89	cps
Iron	54-2	8831040	8709077	8661050	8733722	1.00	cps
Krypton	83-1	480	477	493	483	1.83	cps

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:04:14	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	22603631	23336585	22718250	22886155	1.72	cps
Lead	207-1	19931296	20740551	20163654	20278501	2.05	cps
Lead	208-1	91102832	94131043	93090310	92774728	1.66	cps
Lithium	6-1	700256	699912	816653	738941	9.11	cps
Magnesium	24-2	33358110	32806044	32883721	33015958	0.91	cps
Manganese	55-2	26327710	25847286	26278599	26151198	1.01	cps
Molybdenum	94-1	21964888	22583030	22224211	22257376	1.39	cps
Molybdenum	95-1	31507608	32363776	32147426	32006270	1.39	cps
Molybdenum	96-1	34455090	35417471	35064288	34978950	1.39	cps
Molybdenum	97-1	19644359	20042006	20083758	19923374	1.22	cps
Molybdenum	98-1	50529979	51436194	51503808	51156660	1.06	cps
Neodymium	150-1	253	317	237	269	15.70	cps
Neodymium	150-2	140	100	90	110	24.05	cps
Nickel	60-2	1205444	1195624	1192022	1197697	0.58	cps
Phosphorus	31-2	180043	181337	177000	179460	1.24	cps
Potassium	39-2	18805896	18341181	18460076	18535718	1.30	cps
Rhodium	103-1	5814676	5926736	5909524	5883645	1.03	cps
Rhodium	103-2	4064896	3994874	3943888	4001219	1.52	cps
Scandium	45-1	3981167	3947506	4028885	3985853	1.03	cps
Scandium	45-2	358153	349433	351415	353000	1.29	cps
Selenium	82-1	109782	112737	111776	111432	1.35	cps
Selenium	77-2	13650	13883	13807	13780	0.86	cps
Selenium	78-2	45751	47001	45530	46094	1.72	cps
Silicon	28-1	50885768	50461583	51138583	50828644	0.67	cps
Silver	107-1	7939388	8011172	8047598	7999386	0.69	cps
Silver	109-1	7565176	7743527	7709412	7672705	1.23	cps
Sodium	23-2	51031389	49510753	49758753	50100298	1.63	cps
Strontium	86-1	2053888	2027805	2037928	2039874	0.64	cps
Strontium	88-1	17190617	17710776	18047652	17649682	2.45	cps
Sulfur	34-1	667332	673068	677620	672673	0.77	cps
Terbium	159-1	7228657	7121666	7334164	7228162	1.47	cps
Terbium	159-2	5783016	5722741	5825696	5777151	0.90	cps
Thallium	203-1	5479781	5641388	5659941	5593703	1.77	cps
Thallium	205-1	13216004	13399465	13608931	13408134	1.47	cps
Tin	118-1	5060248	5107687	5094321	5087419	0.48	cps
Titanium	47-1	9054953	9309779	9486765	9283832	2.34	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:04:14	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18053372	18095291	18293316	18147326	0.71	cps
Vanadium	51-2	2911880	2893111	2925506	2910166	0.56	cps
Yttrium	89-1	9293917	9349865	9514173	9385985	1.22	cps
Yttrium	89-2	2867245	2806634	2833565	2835814	1.07	cps
Zinc	66-2	6908369	6873394	6761963	6847909	1.12	cps
Zirconium	90-1	10851862	11258812	11208928	11106534	2.00	cps
Zirconium	91-1	2415568	2488803	2461933	2455434	1.51	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:07:03	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	19963675	20361197	20526574	20283815	1.43	cps
Antimony	121-1	4277	4157	4454	4296	3.47	cps
Arsenic	75-2	437	460	480	459	4.73	cps
Barium	135-1	3580	3570	3314	3488	4.33	cps
Barium	137-1	6015	6185	5941	6047	2.07	cps
Beryllium	9-1	103	80	117	100	18.56	cps
Bismuth	209-1	4149122	4214971	4216740	4193611	0.92	cps
Bismuth	209-2	4111681	3986663	4103002	4067116	1.72	cps
Bromine	81-1	8999	9426	9393	9273	2.56	cps
Bromine	81-2	180	207	183	190	7.65	cps
Cadmium	108-1	90	93	90	91	2.11	cps
Cadmium	106-1	2357	2347	2210	2305	3.56	cps
Cadmium	111-1	903	956	905	921	3.28	cps
Calcium	43-1	9867715	10063460	10228028	10053068	1.79	cps
Calcium	44-1	157159611	160424574	159733451	159105879	1.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17861	17987	18051	17966	0.54	cps
Cobalt	59-2	8846	8779	8756	8794	0.53	cps
Copper	63-2	6812	6562	6175	6516	4.93	cps
Dysprosium	156-1	313	287	260	287	9.30	cps
Dysprosium	156-2	293	290	273	286	3.75	cps
Erbium	164-1	607	613	647	622	3.44	cps
Erbium	164-2	503	540	450	498	9.09	cps
Gadolinium	160-1	313	377	427	372	15.26	cps
Gadolinium	160-2	550	573	490	538	7.99	cps
Holmium	165-1	6963676	6977229	7007139	6982681	0.32	cps
Holmium	165-2	5842981	5888770	5903830	5878527	0.54	cps
Indium	115-1	5782020	5809300	5833639	5808319	0.44	cps
Indium	115-2	2552814	2518340	2532729	2534628	0.68	cps
Iron	56-2	853416707	864114760	858353827	858628432	0.62	cps
Iron	57-2	21078990	20842478	21412106	21111192	1.36	cps
Iron	54-2	46185953	46674341	46746053	46535449	0.65	cps
Krypton	83-1	493	527	570	530	7.25	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:07:03	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5121	5154	4984	5087	1.77	cps
Lead	207-1	4314	4471	4347	4377	1.89	cps
Lead	208-1	20426	20503	20243	20391	0.66	cps
Lithium	6-1	700680	685262	682072	689338	1.44	cps
Magnesium	24-2	181938497	178495757	182179777	180871344	1.14	cps
Manganese	55-2	13756	13616	13863	13745	0.90	cps
Molybdenum	94-1	6592	6348	6572	6504	2.08	cps
Molybdenum	95-1	5034	5231	5304	5190	2.69	cps
Molybdenum	96-1	10471	10501	10440	10471	0.29	cps
Molybdenum	97-1	3344	3100	3214	3219	3.78	cps
Molybdenum	98-1	8473	8239	8299	8337	1.45	cps
Neodymium	150-1	120	107	120	116	6.66	cps
Neodymium	150-2	87	110	87	94	14.26	cps
Nickel	60-2	5164	5571	5121	5285	4.70	cps
Phosphorus	31-2	533	450	563	516	11.39	cps
Potassium	39-2	102759185	103053828	103985798	103266271	0.62	cps
Rhodium	103-1	5471812	5745601	5658842	5625418	2.49	cps
Rhodium	103-2	3920307	3916991	3910324	3915874	0.13	cps
Scandium	45-1	4040783	4020084	4039704	4033523	0.29	cps
Scandium	45-2	357661	357159	360554	358458	0.51	cps
Selenium	82-1	330	325	255	303	13.91	cps
Selenium	77-2	13	13	7	11	34.61	cps
Selenium	78-2	493	610	470	524	14.30	cps
Silicon	28-1	718653	722399	726980	722677	0.58	cps
Silver	107-1	910	940	843	898	5.51	cps
Silver	109-1	837	800	780	806	3.57	cps
Sodium	23-2	274676796	267454976	273887956	272006576	1.46	cps
Strontium	86-1	25385	26113	26013	25837	1.53	cps
Strontium	88-1	212904	219909	221776	218196	2.14	cps
Sulfur	34-1	178266	174328	173476	175357	1.46	cps
Terbium	159-1	7140555	7304985	7117253	7187598	1.42	cps
Terbium	159-2	5837225	5829752	5738965	5801980	0.94	cps
Thallium	203-1	4234	4284	4231	4250	0.70	cps
Thallium	205-1	10284	10054	10271	10203	1.27	cps
Tin	118-1	2280	2467	2267	2338	4.78	cps
Titanium	47-1	657	823	733	738	11.31	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:07:03	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	510	433	517	487	9.52	cps
Vanadium	51-2	1010	1020	987	1006	1.70	cps
Yttrium	89-1	9268306	9377562	9360135	9335335	0.63	cps
Yttrium	89-2	2924448	2940799	2866544	2910597	1.34	cps
Zinc	66-2	3694	3767	3974	3812	3.81	cps
Zirconium	90-1	9180	9243	9253	9225	0.43	cps
Zirconium	91-1	2047	1967	1970	1995	2.27	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:25:21	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	327063	329145	326003	327404	0.49	cps
Antimony	121-1	2412914	2481930	2510729	2468525	2.04	cps
Arsenic	75-2	162908	162635	164653	163399	0.67	cps
Barium	135-1	2423245	2485459	2555382	2488028	2.66	cps
Barium	137-1	4236644	4285139	4265664	4262482	0.57	cps
Beryllium	9-1	35414	35647	34325	35129	2.01	cps
Bismuth	209-1	4417846	4465943	4436889	4440226	0.55	cps
Bismuth	209-2	4425484	4411395	4351206	4396029	0.90	cps
Bromine	81-1	9476	9396	9236	9370	1.31	cps
Bromine	81-2	147	117	113	126	14.62	cps
Cadmium	108-1	24922	25923	25723	25523	2.08	cps
Cadmium	106-1	37746	38127	38070	37981	0.54	cps
Cadmium	111-1	295164	293034	296286	294828	0.56	cps
Calcium	43-1	80154	80314	80687	80385	0.34	cps
Calcium	44-1	1357179	1372572	1385137	1371630	1.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	523732	524755	521426	523304	0.33	cps
Cobalt	59-2	2381891	2343022	2348107	2357673	0.90	cps
Copper	63-2	725503	730506	730388	728799	0.39	cps
Dysprosium	156-1	23	47	27	32	39.17	cps
Dysprosium	156-2	130	90	83	101	24.96	cps
Erbium	164-1	60	57	53	57	5.89	cps
Erbium	164-2	50	30	40	40	25.00	cps
Gadolinium	160-1	53	30	80	54	45.95	cps
Gadolinium	160-2	220	387	313	307	27.24	cps
Holmium	165-1	7007235	6922290	7071382	7000302	1.07	cps
Holmium	165-2	5978386	5880516	5792235	5883712	1.58	cps
Indium	115-1	6066247	6089084	6040911	6065414	0.40	cps
Indium	115-2	2636509	2572069	2622598	2610392	1.30	cps
Iron	56-2	2774135	2816672	2843123	2811310	1.24	cps
Iron	57-2	63236	63879	62526	63214	1.07	cps
Iron	54-2	155751	156034	156136	155974	0.13	cps
Krypton	83-1	570	510	503	528	6.96	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:25:21	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1853390	1845419	1829512	1842774	0.66	cps
Lead	207-1	1331347	1345309	1364988	1347215	1.25	cps
Lead	208-1	7183727	7204529	7219852	7202703	0.25	cps
Lithium	6-1	653821	656910	649937	653556	0.53	cps
Magnesium	24-2	1350386	1365440	1312050	1342625	2.05	cps
Manganese	55-2	969245	967541	979472	972086	0.66	cps
Molybdenum	94-1	12074128	12320310	12214449	12202962	1.01	cps
Molybdenum	95-1	17414637	17671271	17406475	17497461	0.86	cps
Molybdenum	96-1	18927730	18880676	18991687	18933364	0.29	cps
Molybdenum	97-1	10614084	10726144	10752667	10697632	0.69	cps
Molybdenum	98-1	27545309	27621312	27948089	27704903	0.77	cps
Neodymium	150-1	70	67	63	67	5.00	cps
Neodymium	150-2	13	27	17	19	36.75	cps
Nickel	60-2	538254	537877	532843	536324	0.56	cps
Phosphorus	31-2	453	450	487	463	4.38	cps
Potassium	39-2	1706305	1695511	1707492	1703103	0.39	cps
Rhodium	103-1	6271793	6238247	6119520	6209854	1.29	cps
Rhodium	103-2	4144673	4222257	4163797	4176909	0.97	cps
Scandium	45-1	4205545	4231667	4171982	4203065	0.71	cps
Scandium	45-2	358415	357904	359685	358668	0.26	cps
Selenium	82-1	49929	50614	50732	50425	0.86	cps
Selenium	77-2	6038	6241	6058	6112	1.83	cps
Selenium	78-2	21022	20441	21119	20860	1.76	cps
Silicon	28-1	3125234	3198400	3170856	3164830	1.17	cps
Silver	107-1	1683945	1711367	1660005	1685105	1.53	cps
Silver	109-1	1634206	1394672	1412306	1480395	9.02	cps
Sodium	23-2	2187580	2165798	2126359	2159912	1.44	cps
Strontium	86-1	996638	1004952	1001584	1001058	0.42	cps
Strontium	88-1	10064832	10097896	10011219	10057982	0.43	cps
Sulfur	34-1	185346	180459	176000	180602	2.59	cps
Terbium	159-1	7273083	7026147	7307351	7202194	2.13	cps
Terbium	159-2	5691703	5834615	5679855	5735391	1.50	cps
Thallium	203-1	2239611	2253504	2238556	2243890	0.37	cps
Thallium	205-1	5421415	5390548	5373470	5395144	0.45	cps
Tin	118-1	2775410	2820987	2871476	2822625	1.70	cps
Titanium	47-1	4888513	4921071	4925845	4911809	0.41	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:25:21	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9882690	9715279	9951789	9849920	1.23	cps
Vanadium	51-2	1256022	1098870	1096401	1150431	7.95	cps
Yttrium	89-1	9735082	9575273	9516195	9608850	1.18	cps
Yttrium	89-2	2908896	2869771	2875966	2884878	0.73	cps
Zinc	66-2	267817	267360	266563	267246	0.24	cps
Zirconium	90-1	6290672	6266613	6195804	6251030	0.79	cps
Zirconium	91-1	1183952	1199314	1194034	1192433	0.65	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:34:48	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3190	3630	3524	3448	6.66	cps
Antimony	121-1	10594	10767	10794	10719	1.01	cps
Arsenic	75-2	433	427	427	429	0.90	cps
Barium	135-1	12319	12733	12762	12605	1.97	cps
Barium	137-1	21920	21870	21560	21783	0.90	cps
Beryllium	9-1	917	977	807	900	9.58	cps
Bismuth	209-1	4389105	4373559	4405609	4389424	0.37	cps
Bismuth	209-2	4305482	4295368	4358220	4319690	0.78	cps
Bromine	81-1	9693	9903	9003	9533	4.94	cps
Bromine	81-2	130	140	163	144	11.84	cps
Cadmium	108-1	170	110	107	129	27.65	cps
Cadmium	106-1	2180	1957	2190	2109	6.26	cps
Cadmium	111-1	1572	1715	1764	1684	5.92	cps
Calcium	43-1	9033	9100	9566	9233	3.15	cps
Calcium	44-1	171448	173946	169338	171577	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8392	8436	8576	8468	1.13	cps
Cobalt	59-2	5341	5281	4964	5195	3.90	cps
Copper	63-2	9533	9423	9190	9382	1.87	cps
Dysprosium	156-1	13	10	7	10	33.30	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	33	17	40	30	40.05	cps
Erbium	164-2	37	37	43	39	9.89	cps
Gadolinium	160-1	57	67	67	63	9.12	cps
Gadolinium	160-2	260	333	313	302	12.54	cps
Holmium	165-1	6813688	6835382	6844875	6831315	0.23	cps
Holmium	165-2	5686226	5680755	5774640	5713874	0.92	cps
Indium	115-1	6097373	6003236	6071296	6057302	0.80	cps
Indium	115-2	2563215	2627975	2572712	2587967	1.35	cps
Iron	56-2	173554	173695	171008	172752	0.88	cps
Iron	57-2	5381	5608	5361	5450	2.51	cps
Iron	54-2	11111	11251	11254	11205	0.73	cps
Krypton	83-1	493	437	533	488	9.96	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:34:48	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4454	4304	4057	4272	4.69	cps
Lead	207-1	3607	4041	4021	3889	6.29	cps
Lead	208-1	17468	17905	17748	17707	1.25	cps
Lithium	6-1	642438	642583	639119	641380	0.31	cps
Magnesium	24-2	143244	141986	142350	142526	0.45	cps
Manganese	55-2	11221	10867	10824	10971	1.98	cps
Molybdenum	94-1	12279	12352	12165	12265	0.77	cps
Molybdenum	95-1	14654	15315	14911	14960	2.23	cps
Molybdenum	96-1	16633	16987	16186	16602	2.42	cps
Molybdenum	97-1	9393	9186	9070	9216	1.78	cps
Molybdenum	98-1	24390	24023	23900	24104	1.06	cps
Neodymium	150-1	10	3	10	8	49.52	cps
Neodymium	150-2	7	10	0	6	91.64	cps
Nickel	60-2	1887	1990	1863	1913	3.52	cps
Phosphorus	31-2	783	830	750	788	5.10	cps
Potassium	39-2	242302	243804	240008	242038	0.79	cps
Rhodium	103-1	6105292	6008162	6205175	6106210	1.61	cps
Rhodium	103-2	4185851	4145164	4196904	4175973	0.65	cps
Scandium	45-1	4113768	4023195	3952845	4029936	2.00	cps
Scandium	45-2	352340	351840	351585	351921	0.11	cps
Selenium	82-1	720	833	816	790	7.68	cps
Selenium	77-2	80	43	57	60	30.93	cps
Selenium	78-2	697	850	823	790	10.37	cps
Silicon	28-1	672590	680467	674900	675986	0.60	cps
Silver	107-1	7225	7572	7562	7453	2.65	cps
Silver	109-1	7092	7239	6918	7083	2.26	cps
Sodium	23-2	246835	247598	246594	247009	0.21	cps
Strontium	86-1	2624	2804	2600	2676	4.16	cps
Strontium	88-1	16363	16139	16596	16366	1.40	cps
Sulfur	34-1	175414	178401	176419	176745	0.86	cps
Terbium	159-1	6952466	7073427	7071549	7032481	0.99	cps
Terbium	159-2	5713728	5692172	5793944	5733282	0.94	cps
Thallium	203-1	4831	4984	4818	4878	1.90	cps
Thallium	205-1	11495	11625	11438	11519	0.83	cps
Tin	118-1	23606	23653	23963	23741	0.82	cps
Titanium	47-1	4047	4401	4121	4190	4.45	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:34:48	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14551	15396	15072	15006	2.84	cps
Vanadium	51-2	13736	13259	13006	13334	2.78	cps
Yttrium	89-1	9651289	9408406	9553591	9537762	1.28	cps
Yttrium	89-2	2853127	2799233	2858067	2836809	1.15	cps
Zinc	66-2	4194	4187	4121	4167	0.97	cps
Zirconium	90-1	9930	10033	10164	10042	1.17	cps
Zirconium	91-1	2387	2474	2254	2371	4.67	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:38:04	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	317	313	307	312	1.63	cps
Antimony	121-1	73	140	83	99	36.36	cps
Arsenic	75-2	17	13	7	12	41.65	cps
Barium	135-1	10	23	20	18	39.03	cps
Barium	137-1	27	30	30	29	6.65	cps
Beryllium	9-1	3	7	3	4	43.40	cps
Bismuth	209-1	4497764	4400864	4347356	4415328	1.73	cps
Bismuth	209-2	4451333	4376784	4242651	4356923	2.43	cps
Bromine	81-1	9423	9450	9403	9425	0.25	cps
Bromine	81-2	157	133	117	136	14.82	cps
Cadmium	108-1	10	3	10	8	49.52	cps
Cadmium	106-1	2154	2074	1773	2000	10.02	cps
Cadmium	111-1	215	218	187	207	8.32	cps
Calcium	43-1	337	307	323	322	4.66	cps
Calcium	44-1	27612	27782	28106	27833	0.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2224	2324	2100	2216	5.05	cps
Cobalt	59-2	90	103	83	92	11.05	cps
Copper	63-2	1853	1823	1837	1838	0.82	cps
Dysprosium	156-1	7	3	3	4	43.40	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	53	43	23	40	38.19	cps
Erbium	164-2	30	33	30	31	6.18	cps
Gadolinium	160-1	53	53	53	53	0.00	cps
Gadolinium	160-2	283	277	270	277	2.41	cps
Holmium	165-1	6715266	6935005	6825412	6825227	1.61	cps
Holmium	165-2	5798316	5723246	5681003	5734188	1.04	cps
Indium	115-1	5989216	5875110	6045285	5969871	1.45	cps
Indium	115-2	2603812	2544420	2546903	2565045	1.31	cps
Iron	56-2	23395	23031	23251	23226	0.79	cps
Iron	57-2	1440	1520	1493	1485	2.74	cps
Iron	54-2	2710	2900	2970	2860	4.70	cps
Krypton	83-1	460	523	437	473	9.47	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:38:04	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	650	617	557	608	7.78	cps
Lead	207-1	517	510	503	510	1.31	cps
Lead	208-1	2270	2470	2283	2341	4.78	cps
Lithium	6-1	645441	638326	650408	644725	0.94	cps
Magnesium	24-2	230	260	253	248	6.36	cps
Manganese	55-2	2037	2117	2020	2058	2.51	cps
Molybdenum	94-1	283	310	273	289	6.56	cps
Molybdenum	95-1	253	280	247	260	6.79	cps
Molybdenum	96-1	287	383	353	341	14.51	cps
Molybdenum	97-1	167	197	207	190	10.96	cps
Molybdenum	98-1	340	383	393	372	7.62	cps
Neodymium	150-1	7	3	3	4	43.40	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	597	550	560	569	4.32	cps
Phosphorus	31-2	420	460	513	464	10.08	cps
Potassium	39-2	69314	69427	69287	69343	0.11	cps
Rhodium	103-1	6117117	6139697	5898629	6051814	2.20	cps
Rhodium	103-2	4324176	4166113	4077002	4189097	2.99	cps
Scandium	45-1	4005580	4106887	4115351	4075939	1.50	cps
Scandium	45-2	351862	350098	346657	349539	0.76	cps
Selenium	82-1	191	116	120	142	29.44	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	473	507	570	517	9.50	cps
Silicon	28-1	646958	656126	656564	653216	0.83	cps
Silver	107-1	93	97	47	79	35.43	cps
Silver	109-1	110	90	57	86	31.49	cps
Sodium	23-2	28570	29074	28643	28762	0.95	cps
Strontium	86-1	787	767	890	814	8.13	cps
Strontium	88-1	177	163	167	169	4.11	cps
Sulfur	34-1	179353	179180	178232	178922	0.34	cps
Terbium	159-1	6990658	6983523	6982453	6985545	0.06	cps
Terbium	159-2	5732994	5678221	5635184	5682133	0.86	cps
Thallium	203-1	153	207	197	186	15.28	cps
Thallium	205-1	460	400	413	424	7.42	cps
Tin	118-1	1457	1370	1457	1428	3.50	cps
Titanium	47-1	100	147	107	118	21.43	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:38:04	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17	17	20	18	10.81	cps
Vanadium	51-2	20	17	27	21	24.12	cps
Yttrium	89-1	9527100	9325640	9326276	9393006	1.24	cps
Yttrium	89-2	2860316	2826033	2834755	2840368	0.63	cps
Zinc	66-2	750	677	690	706	5.54	cps
Zirconium	90-1	407	383	460	417	9.43	cps
Zirconium	91-1	110	80	87	92	17.08	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:41:22	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18104151	17608768	17991026	17901315	1.45	cps
Antimony	121-1	6221	6048	6035	6101	1.71	cps
Arsenic	75-2	100	137	147	128	19.23	cps
Barium	135-1	1873	1903	1947	1908	1.93	cps
Barium	137-1	3100	3214	3247	3187	2.41	cps
Beryllium	9-1	263	247	220	243	8.98	cps
Bismuth	209-1	4391707	4539617	4433809	4455044	1.71	cps
Bismuth	209-2	4282194	4272579	4279072	4277948	0.11	cps
Bromine	81-1	9743	9983	10631	10119	4.54	cps
Bromine	81-2	257	247	227	243	6.28	cps
Cadmium	108-1	803	743	763	770	3.97	cps
Cadmium	106-1	1993	2144	2030	2056	3.80	cps
Cadmium	111-1	687	797	779	754	7.83	cps
Calcium	43-1	2002453	1944612	1944787	1963951	1.70	cps
Calcium	44-1	31328849	31294726	30787809	31137128	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	66714	66339	67062	66705	0.54	cps
Cobalt	59-2	6311	6558	6268	6379	2.45	cps
Copper	63-2	29967	30003	29452	29808	1.03	cps
Dysprosium	156-1	20	23	43	29	43.68	cps
Dysprosium	156-2	20	3	20	14	66.64	cps
Erbium	164-1	67	43	83	64	31.18	cps
Erbium	164-2	50	37	50	46	16.89	cps
Gadolinium	160-1	43	57	63	54	18.71	cps
Gadolinium	160-2	330	330	350	337	3.43	cps
Holmium	165-1	7052738	7198475	7248706	7166639	1.42	cps
Holmium	165-2	5902400	5869498	5734017	5835305	1.53	cps
Indium	115-1	6009764	6199695	6226044	6145167	1.92	cps
Indium	115-2	2584100	2524341	2527335	2545259	1.32	cps
Iron	56-2	330770175	334939255	333680622	333130017	0.64	cps
Iron	57-2	8285098	8300141	8117191	8234143	1.23	cps
Iron	54-2	17928003	18250214	18269961	18149393	1.06	cps
Krypton	83-1	550	453	467	490	10.69	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:41:22	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18393	19467	20259	19373	4.83	cps
Lead	207-1	14995	15322	15739	15352	2.43	cps
Lead	208-1	71133	73859	73974	72989	2.20	cps
Lithium	6-1	645417	661712	645087	650739	1.46	cps
Magnesium	24-2	32223000	31993267	32066986	32094418	0.37	cps
Manganese	55-2	21122	21559	21442	21374	1.06	cps
Molybdenum	94-1	3859793	3938704	3988622	3929040	1.65	cps
Molybdenum	95-1	6692611	7051289	6962374	6902091	2.71	cps
Molybdenum	96-1	7150774	7448931	7532468	7377391	2.72	cps
Molybdenum	97-1	4110861	4263214	4321312	4231796	2.57	cps
Molybdenum	98-1	10580637	11024091	11236452	10947060	3.06	cps
Neodymium	150-1	30	40	40	37	15.75	cps
Neodymium	150-2	10	10	23	14	53.28	cps
Nickel	60-2	7522	7188	7459	7390	2.40	cps
Phosphorus	31-2	937852	930565	933041	933819	0.40	cps
Potassium	39-2	38907035	39122717	39442202	39157318	0.69	cps
Rhodium	103-1	5932543	6001302	6046849	5993565	0.96	cps
Rhodium	103-2	4133549	4124198	4091160	4116302	0.54	cps
Scandium	45-1	4017996	4031463	3975519	4008326	0.73	cps
Scandium	45-2	352638	352644	351987	352423	0.11	cps
Selenium	82-1	99	174	149	141	26.94	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	483	547	430	487	12.00	cps
Silicon	28-1	689225	695881	685050	690052	0.79	cps
Silver	107-1	440	350	333	374	15.32	cps
Silver	109-1	507	373	333	404	22.44	cps
Sodium	23-2	53630049	52746184	52995503	53123912	0.86	cps
Strontium	86-1	64146	64741	66131	65006	1.57	cps
Strontium	88-1	542603	555614	570295	556171	2.49	cps
Sulfur	34-1	3402583	3241881	3228181	3290881	2.95	cps
Terbium	159-1	7286603	7176232	7303464	7255433	0.95	cps
Terbium	159-2	5869878	5773946	5824137	5822654	0.82	cps
Thallium	203-1	397	423	383	401	5.08	cps
Thallium	205-1	893	1017	1077	996	9.39	cps
Tin	118-1	3320	3877	4111	3769	10.77	cps
Titanium	47-1	1974962	1997560	1984923	1985815	0.57	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:41:22	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	253	257	270	260	3.39	cps
Vanadium	51-2	470	477	553	500	9.26	cps
Yttrium	89-1	9566095	9319788	9819819	9568567	2.61	cps
Yttrium	89-2	2833043	2833548	2847209	2837934	0.28	cps
Zinc	66-2	8192	8256	7999	8149	1.64	cps
Zirconium	90-1	550	570	597	572	4.09	cps
Zirconium	91-1	123	137	173	144	17.92	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:49:36	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17352409	17301818	17204423	17286217	0.44	cps
Antimony	121-1	113306	114502	117290	115033	1.78	cps
Arsenic	75-2	7769	8076	7852	7899	2.01	cps
Barium	135-1	28168	28886	28539	28531	1.26	cps
Barium	137-1	47680	49068	49757	48835	2.17	cps
Beryllium	9-1	16843	16966	16662	16824	0.91	cps
Bismuth	209-1	4455475	4471583	4531251	4486103	0.89	cps
Bismuth	209-2	4284462	4279447	4289769	4284559	0.12	cps
Bromine	81-1	10877	11631	11284	11264	3.35	cps
Bromine	81-2	450	520	567	512	11.46	cps
Cadmium	108-1	2770	3027	2724	2840	5.75	cps
Cadmium	106-1	4497	4781	4731	4670	3.24	cps
Cadmium	111-1	29901	29526	30612	30013	1.84	cps
Calcium	43-1	1905803	1965981	2044841	1972209	3.54	cps
Calcium	44-1	30791310	30623905	32089131	31168115	2.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	147127	146118	147636	146961	0.53	cps
Cobalt	59-2	104810	104833	104437	104694	0.21	cps
Copper	63-2	101357	99280	100304	100314	1.04	cps
Dysprosium	156-1	20	10	30	20	50.00	cps
Dysprosium	156-2	27	33	37	32	15.80	cps
Erbium	164-1	67	40	63	57	25.64	cps
Erbium	164-2	47	47	60	51	15.06	cps
Gadolinium	160-1	60	73	67	67	10.00	cps
Gadolinium	160-2	267	273	303	281	6.95	cps
Holmium	165-1	7194033	7474945	7234637	7301205	2.08	cps
Holmium	165-2	5918204	5838235	5828627	5861688	0.84	cps
Indium	115-1	6060878	6276672	6105720	6147757	1.85	cps
Indium	115-2	2514753	2459504	2543713	2505990	1.71	cps
Iron	56-2	328366248	325196355	329251735	327604780	0.65	cps
Iron	57-2	7910458	8115903	8108680	8045014	1.45	cps
Iron	54-2	17978708	17894808	17756522	17876680	0.63	cps
Krypton	83-1	510	397	460	456	12.47	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:49:36	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	113967	112407	112368	112914	0.81	cps
Lead	207-1	92335	94802	97595	94910	2.77	cps
Lead	208-1	435352	437272	447549	440057	1.49	cps
Lithium	6-1	642560	618446	625180	628728	1.98	cps
Magnesium	24-2	31061654	30582243	31214040	30952646	1.07	cps
Manganese	55-2	67196	67032	66928	67052	0.20	cps
Molybdenum	94-1	3899330	3920241	3877472	3899015	0.55	cps
Molybdenum	95-1	6794851	6993384	6887356	6891864	1.44	cps
Molybdenum	96-1	7190048	7514464	7308181	7337564	2.24	cps
Molybdenum	97-1	4111616	4292066	4183320	4195668	2.17	cps
Molybdenum	98-1	10801164	11208925	10931404	10980498	1.90	cps
Neodymium	150-1	30	43	27	33	26.45	cps
Neodymium	150-2	23	43	7	24	75.09	cps
Nickel	60-2	36915	37029	37490	37145	0.82	cps
Phosphorus	31-2	913036	909841	918842	913906	0.50	cps
Potassium	39-2	38443140	38126164	39209726	38593010	1.44	cps
Rhodium	103-1	5899067	6151417	6001127	6017204	2.11	cps
Rhodium	103-2	4141778	4088880	4150936	4127198	0.81	cps
Scandium	45-1	3992729	4053690	4059575	4035331	0.92	cps
Scandium	45-2	348100	348468	350070	348879	0.30	cps
Selenium	82-1	2615	2631	2679	2641	1.25	cps
Selenium	77-2	247	253	257	252	2.02	cps
Selenium	78-2	1427	1477	1387	1430	3.15	cps
Silicon	28-1	689224	702162	700332	697239	1.00	cps
Silver	107-1	145634	147053	148956	147214	1.13	cps
Silver	109-1	134696	142705	144038	140480	3.60	cps
Sodium	23-2	51032778	50940829	50900888	50958165	0.13	cps
Strontium	86-1	64705	64842	66881	65476	1.86	cps
Strontium	88-1	552353	561942	555607	556634	0.88	cps
Sulfur	34-1	3107127	3153115	3304227	3188157	3.23	cps
Terbium	159-1	7180606	7606487	7437495	7408196	2.89	cps
Terbium	159-2	5677489	5735397	5664983	5692623	0.66	cps
Thallium	203-1	99659	103352	101032	101347	1.84	cps
Thallium	205-1	234104	240093	246746	240314	2.63	cps
Tin	118-1	2607	3187	3434	3076	13.80	cps
Titanium	47-1	1945706	1936610	2002066	1961460	1.81	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:49:36	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	477	517	530	508	5.47	cps
Vanadium	51-2	53545	53187	53026	53253	0.50	cps
Yttrium	89-1	9424039	9871546	9548277	9614621	2.40	cps
Yttrium	89-2	2878754	2818241	2787887	2828294	1.64	cps
Zinc	66-2	20394	20598	20728	20573	0.82	cps
Zirconium	90-1	540	640	477	552	14.91	cps
Zirconium	91-1	120	130	107	119	9.84	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:52:41	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9909083	9814125	9886450	9869886	0.50	cps
Antimony	121-1	3098305	3171187	3188784	3152758	1.52	cps
Arsenic	75-2	194079	193452	190910	192814	0.87	cps
Barium	135-1	3867186	3928652	3886275	3894038	0.81	cps
Barium	137-1	6560571	6735553	6618794	6638306	1.34	cps
Beryllium	9-1	393803	391770	395365	393646	0.46	cps
Bismuth	209-1	4468711	4545715	4472457	4495628	0.97	cps
Bismuth	209-2	4192952	4184877	4066207	4148012	1.71	cps
Bromine	81-1	10377	10707	10844	10643	2.26	cps
Bromine	81-2	173	203	190	189	7.96	cps
Cadmium	108-1	55804	56205	56921	56310	1.01	cps
Cadmium	106-1	78239	80338	81276	79951	1.94	cps
Cadmium	111-1	724675	734914	748982	736190	1.66	cps
Calcium	43-1	5078697	5157665	5172348	5136237	0.98	cps
Calcium	44-1	80416225	80756582	83580614	81584474	2.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1826102	1818061	1773676	1805946	1.56	cps
Cobalt	59-2	2802259	2780422	2753187	2778623	0.88	cps
Copper	63-2	20857433	20985762	21039393	20960863	0.45	cps
Dysprosium	156-1	150	227	193	190	20.23	cps
Dysprosium	156-2	303	320	327	317	3.79	cps
Erbium	164-1	370	417	383	390	6.16	cps
Erbium	164-2	310	290	303	301	3.38	cps
Gadolinium	160-1	257	213	213	228	10.98	cps
Gadolinium	160-2	447	457	413	439	5.17	cps
Holmium	165-1	7241062	7395796	7164676	7267178	1.62	cps
Holmium	165-2	5887970	5747971	5862826	5832922	1.28	cps
Indium	115-1	6051408	6041868	6108526	6067267	0.59	cps
Indium	115-2	2554387	2523515	2520929	2532943	0.73	cps
Iron	56-2	440495087	435751314	434913754	437053385	0.69	cps
Iron	57-2	10890927	10837719	10835296	10854647	0.29	cps
Iron	54-2	23986245	23810644	23927889	23908259	0.37	cps
Krypton	83-1	453	550	527	510	9.89	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:52:41	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11739639	11673818	11930167	11781208	1.13	cps
Lead	207-1	10399680	10653446	10693134	10582086	1.50	cps
Lead	208-1	47690179	48361056	48545422	48198886	0.93	cps
Lithium	6-1	628929	628948	623992	627290	0.46	cps
Magnesium	24-2	88882692	87586765	90000229	88823229	1.36	cps
Manganese	55-2	13744999	13754688	13616881	13705523	0.56	cps
Molybdenum	94-1	11877081	12036730	12042704	11985505	0.78	cps
Molybdenum	95-1	17056532	17519058	17749731	17441773	2.02	cps
Molybdenum	96-1	18822528	18883007	19113333	18939623	0.81	cps
Molybdenum	97-1	10506372	10575056	10547681	10543036	0.33	cps
Molybdenum	98-1	27077021	27675396	27476972	27409797	1.11	cps
Neodymium	150-1	220	203	197	207	5.81	cps
Neodymium	150-2	110	57	93	87	31.48	cps
Nickel	60-2	620479	627795	626208	624828	0.62	cps
Phosphorus	31-2	93893	94584	95268	94582	0.73	cps
Potassium	39-2	50467746	50368979	51050659	50629128	0.73	cps
Rhodium	103-1	6025725	6082272	6017707	6041901	0.58	cps
Rhodium	103-2	4084967	4094091	4043789	4074282	0.66	cps
Scandium	45-1	4145173	4072482	4179059	4132238	1.32	cps
Scandium	45-2	363556	360474	356226	360086	1.02	cps
Selenium	82-1	57965	57862	59134	58320	1.21	cps
Selenium	77-2	6888	7082	7095	7022	1.65	cps
Selenium	78-2	24136	23305	23415	23619	1.91	cps
Silicon	28-1	27871985	28627256	28689542	28396261	1.60	cps
Silver	107-1	4284199	4401382	4440222	4375268	1.86	cps
Silver	109-1	4123017	4164819	4241308	4176381	1.44	cps
Sodium	23-2	135912701	135651231	132365231	134643055	1.47	cps
Strontium	86-1	944524	959958	968480	957654	1.27	cps
Strontium	88-1	9471416	9609793	9706099	9595769	1.23	cps
Sulfur	34-1	424956	430311	431759	429009	0.84	cps
Terbium	159-1	7505862	7502538	7602225	7536875	0.75	cps
Terbium	159-2	5907376	5929852	5755357	5864195	1.62	cps
Thallium	203-1	2904371	2917052	2945413	2922279	0.72	cps
Thallium	205-1	6886630	7019673	7033525	6979943	1.16	cps
Tin	118-1	2708634	2659316	2773840	2713930	2.12	cps
Titanium	47-1	4927602	4928197	5098936	4984912	1.98	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:52:41	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9541267	9564108	9529199	9544858	0.19	cps
Vanadium	51-2	1539276	1562768	1577060	1559702	1.22	cps
Yttrium	89-1	9782667	9868595	9835110	9828791	0.44	cps
Yttrium	89-2	2905473	2930920	2950923	2929105	0.78	cps
Zinc	66-2	3644014	3645338	3680262	3656538	0.56	cps
Zirconium	90-1	5976564	6123533	6196978	6099025	1.84	cps
Zirconium	91-1	1127920	1154882	1170598	1151133	1.88	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:57:59	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	433	363	377	391	9.50	cps
Antimony	121-1	317	330	330	326	2.37	cps
Arsenic	75-2	10	13	20	14	35.26	cps
Barium	135-1	20	47	33	33	40.01	cps
Barium	137-1	57	57	70	61	12.59	cps
Beryllium	9-1	17	17	13	16	12.40	cps
Bismuth	209-1	4449730	4461406	4560034	4490390	1.35	cps
Bismuth	209-2	4418159	4276262	4288958	4327793	1.81	cps
Bromine	81-1	10307	10134	10090	10177	1.13	cps
Bromine	81-2	147	187	147	160	14.43	cps
Cadmium	108-1	13	3	13	10	57.75	cps
Cadmium	106-1	1883	1920	1837	1880	2.22	cps
Cadmium	111-1	199	210	201	203	2.79	cps
Calcium	43-1	283	293	293	290	1.99	cps
Calcium	44-1	29716	28964	29465	29382	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1997	2124	2317	2146	7.51	cps
Cobalt	59-2	83	93	100	92	9.10	cps
Copper	63-2	2144	2114	2050	2102	2.27	cps
Dysprosium	156-1	0	7	0	2	173.21	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	63	30	33	42	43.48	cps
Erbium	164-2	23	50	30	34	40.30	cps
Gadolinium	160-1	47	63	37	49	27.55	cps
Gadolinium	160-2	330	343	307	327	5.68	cps
Holmium	165-1	6857628	6909175	6977439	6914747	0.87	cps
Holmium	165-2	5676408	5639979	5585726	5634038	0.81	cps
Indium	115-1	6193143	6151273	6087189	6143868	0.87	cps
Indium	115-2	2565947	2575032	2539958	2560313	0.71	cps
Iron	56-2	26096	26330	26547	26324	0.86	cps
Iron	57-2	1530	1463	1520	1505	2.39	cps
Iron	54-2	3050	2830	2870	2917	4.02	cps
Krypton	83-1	560	460	503	508	9.88	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:57:59	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	813	733	703	750	7.58	cps
Lead	207-1	640	670	640	650	2.66	cps
Lead	208-1	3080	2963	2887	2977	3.27	cps
Lithium	6-1	620682	610391	621936	617670	1.03	cps
Magnesium	24-2	747	803	923	824	10.94	cps
Manganese	55-2	910	907	1037	951	7.79	cps
Molybdenum	94-1	410	523	467	467	12.14	cps
Molybdenum	95-1	480	460	400	447	9.32	cps
Molybdenum	96-1	453	543	527	508	9.43	cps
Molybdenum	97-1	330	310	360	333	7.55	cps
Molybdenum	98-1	703	710	777	730	5.55	cps
Neodymium	150-1	10	3	0	4	114.60	cps
Neodymium	150-2	3	7	7	6	34.70	cps
Nickel	60-2	523	480	547	517	6.55	cps
Phosphorus	31-2	420	433	457	437	4.25	cps
Potassium	39-2	73922	73242	74210	73791	0.67	cps
Rhodium	103-1	6113660	6201648	6120152	6145154	0.80	cps
Rhodium	103-2	4105916	4094810	4078511	4093079	0.34	cps
Scandium	45-1	3977734	3979724	4020771	3992743	0.61	cps
Scandium	45-2	347611	344990	343960	345521	0.54	cps
Selenium	82-1	82	134	120	112	24.00	cps
Selenium	77-2	10	0	0	3	173.21	cps
Selenium	78-2	473	557	443	491	11.96	cps
Silicon	28-1	654936	640052	637495	644161	1.46	cps
Silver	107-1	200	217	137	184	22.88	cps
Silver	109-1	157	213	160	177	18.00	cps
Sodium	23-2	40831	40022	40212	40355	1.05	cps
Strontium	86-1	807	847	870	841	3.81	cps
Strontium	88-1	200	180	163	181	10.13	cps
Sulfur	34-1	169950	169929	170374	170084	0.15	cps
Terbium	159-1	7291973	7272482	7215081	7259845	0.55	cps
Terbium	159-2	5658374	5685262	5462642	5602093	2.17	cps
Thallium	203-1	563	573	643	593	7.35	cps
Thallium	205-1	1447	1410	1423	1427	1.30	cps
Tin	118-1	1300	1057	1267	1208	10.92	cps
Titanium	47-1	97	103	120	107	11.27	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 11:57:59	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50	53	47	50	6.66	cps
Vanadium	51-2	13	30	30	24	39.37	cps
Yttrium	89-1	9654990	9684056	9605660	9648235	0.41	cps
Yttrium	89-2	2782197	2779214	2821664	2794358	0.85	cps
Zinc	66-2	730	727	690	716	3.10	cps
Zirconium	90-1	600	530	703	611	14.27	cps
Zirconium	91-1	113	130	87	110	19.87	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:01:19	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3600	3407	3831	3613	5.87	cps
Antimony	121-1	10501	10534	10300	10445	1.21	cps
Arsenic	75-2	373	420	343	379	10.20	cps
Barium	135-1	11862	11982	12129	11991	1.11	cps
Barium	137-1	20902	21289	20638	20943	1.56	cps
Beryllium	9-1	833	880	713	809	10.63	cps
Bismuth	209-1	4487234	4418554	4439907	4448565	0.79	cps
Bismuth	209-2	4311872	4360176	4330603	4334217	0.56	cps
Bromine	81-1	10094	10097	10000	10064	0.55	cps
Bromine	81-2	150	157	153	153	2.17	cps
Cadmium	108-1	123	123	100	116	11.66	cps
Cadmium	106-1	2190	2224	2117	2177	2.51	cps
Cadmium	111-1	1396	1453	1452	1434	2.26	cps
Calcium	43-1	8439	8616	8946	8667	2.97	cps
Calcium	44-1	162029	160756	161898	161561	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7996	8376	8009	8127	2.66	cps
Cobalt	59-2	4854	5144	4941	4980	2.99	cps
Copper	63-2	8733	8976	8539	8749	2.50	cps
Dysprosium	156-1	3	3	7	4	43.40	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	40	40	47	42	9.12	cps
Erbium	164-2	40	43	47	43	7.70	cps
Gadolinium	160-1	60	53	43	52	16.07	cps
Gadolinium	160-2	293	250	253	266	9.08	cps
Holmium	165-1	7062479	6898309	6943221	6968003	1.22	cps
Holmium	165-2	5806895	5768978	5582313	5719396	2.10	cps
Indium	115-1	6132366	6083817	6099889	6105357	0.41	cps
Indium	115-2	2612131	2585529	2556652	2584771	1.07	cps
Iron	56-2	166557	164229	163600	164795	0.95	cps
Iron	57-2	5068	5048	5151	5089	1.08	cps
Iron	54-2	10697	10971	10590	10753	1.82	cps
Krypton	83-1	497	560	470	509	9.08	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:01:19	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3944	3934	3664	3847	4.13	cps
Lead	207-1	3367	3480	3517	3455	2.26	cps
Lead	208-1	15567	15674	15604	15615	0.35	cps
Lithium	6-1	634392	625129	631600	630374	0.75	cps
Magnesium	24-2	134729	133956	133045	133910	0.63	cps
Manganese	55-2	10891	11201	10771	10954	2.03	cps
Molybdenum	94-1	11908	12045	11948	11967	0.59	cps
Molybdenum	95-1	14617	14654	14277	14516	1.43	cps
Molybdenum	96-1	15475	15605	15799	15626	1.04	cps
Molybdenum	97-1	9203	8873	8956	9011	1.91	cps
Molybdenum	98-1	22851	22985	23269	23035	0.92	cps
Neodymium	150-1	7	0	3	3	100.05	cps
Neodymium	150-2	3	3	10	6	69.34	cps
Nickel	60-2	1693	1653	1723	1690	2.08	cps
Phosphorus	31-2	2574	2477	2634	2561	3.09	cps
Potassium	39-2	235057	234820	232483	234120	0.61	cps
Rhodium	103-1	6099519	6215808	6181823	6165717	0.97	cps
Rhodium	103-2	4251048	4193044	4115934	4186676	1.62	cps
Scandium	45-1	4003533	4034042	4138586	4058721	1.75	cps
Scandium	45-2	348882	346264	343152	346099	0.83	cps
Selenium	82-1	738	680	724	714	4.27	cps
Selenium	77-2	110	57	70	79	35.18	cps
Selenium	78-2	780	700	813	764	7.62	cps
Silicon	28-1	649070	658594	671682	659782	1.72	cps
Silver	107-1	7715	7679	7622	7672	0.61	cps
Silver	109-1	7219	7685	7412	7439	3.15	cps
Sodium	23-2	241078	240909	235213	239067	1.40	cps
Strontium	86-1	2764	2674	2794	2744	2.28	cps
Strontium	88-1	15535	15839	15775	15716	1.02	cps
Sulfur	34-1	180748	183076	180742	181522	0.74	cps
Terbium	159-1	7107583	7218667	7238665	7188305	0.98	cps
Terbium	159-2	5767093	5613441	5775467	5718667	1.60	cps
Thallium	203-1	5288	5508	5371	5389	2.06	cps
Thallium	205-1	12202	12609	12599	12470	1.86	cps
Tin	118-1	22818	23179	23115	23037	0.84	cps
Titanium	47-1	4301	3941	4177	4140	4.42	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:01:19	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14051	14628	14438	14372	2.05	cps
Vanadium	51-2	12562	12395	12419	12459	0.73	cps
Yttrium	89-1	9820977	9790899	9641198	9751025	0.99	cps
Yttrium	89-2	2884443	2867636	2817850	2856643	1.21	cps
Zinc	66-2	4111	4011	3874	3998	2.97	cps
Zirconium	90-1	10370	10464	10551	10462	0.86	cps
Zirconium	91-1	2174	2157	2317	2216	3.97	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:04:35	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	354035	352287	351822	352715	0.33	cps
Antimony	121-1	137	137	147	140	4.12	cps
Arsenic	75-2	473	513	490	492	4.08	cps
Barium	135-1	3504	3520	3417	3480	1.59	cps
Barium	137-1	5938	5941	5841	5907	0.96	cps
Beryllium	9-1	250	183	240	224	16.02	cps
Bismuth	209-1	4533020	4322840	4533873	4463244	2.72	cps
Bismuth	209-2	4316638	4293807	4285087	4298510	0.38	cps
Bromine	81-1	10764	10664	11111	10846	2.16	cps
Bromine	81-2	250	313	333	299	14.56	cps
Cadmium	108-1	47	37	37	40	14.43	cps
Cadmium	106-1	2144	2057	2047	2082	2.55	cps
Cadmium	111-1	448	440	486	458	5.31	cps
Calcium	43-1	99682	99524	102420	100542	1.62	cps
Calcium	44-1	1836309	1811720	1818717	1822249	0.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5501	5494	5414	5470	0.88	cps
Cobalt	59-2	24811	24607	24266	24561	1.12	cps
Copper	63-2	33457	34329	33705	33831	1.33	cps
Dysprosium	156-1	8563	8726	8236	8508	2.93	cps
Dysprosium	156-2	9283	8739	8990	9004	3.02	cps
Erbium	164-1	9223	8930	8729	8961	2.77	cps
Erbium	164-2	7355	7169	7235	7253	1.30	cps
Gadolinium	160-1	8313	8459	8159	8310	1.81	cps
Gadolinium	160-2	7672	7565	7439	7559	1.55	cps
Holmium	165-1	7120107	7066978	6909803	7032296	1.56	cps
Holmium	165-2	5747361	5591960	5648252	5662524	1.39	cps
Indium	115-1	6223245	6184844	6167430	6191840	0.46	cps
Indium	115-2	2604090	2562249	2535724	2567354	1.34	cps
Iron	56-2	1171895	1164211	1157331	1164479	0.63	cps
Iron	57-2	31366	31390	31380	31378	0.04	cps
Iron	54-2	66865	66690	65904	66486	0.77	cps
Krypton	83-1	483	547	590	540	9.93	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:04:35	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8163	7966	8189	8106	1.51	cps
Lead	207-1	6705	6768	6742	6738	0.47	cps
Lead	208-1	31271	30964	31691	31309	1.17	cps
Lithium	6-1	632988	618828	643551	631789	1.96	cps
Magnesium	24-2	209556	213806	208270	210544	1.38	cps
Manganese	55-2	783016	774999	785515	781177	0.70	cps
Molybdenum	94-1	497	463	417	459	8.76	cps
Molybdenum	95-1	313	337	313	321	4.19	cps
Molybdenum	96-1	437	393	343	391	11.94	cps
Molybdenum	97-1	253	287	213	251	14.62	cps
Molybdenum	98-1	487	427	417	443	8.54	cps
Neodymium	150-1	13303	13183	13513	13333	1.25	cps
Neodymium	150-2	9240	9126	8900	9089	1.91	cps
Nickel	60-2	5398	5148	5101	5215	3.06	cps
Phosphorus	31-2	2427	2284	2320	2344	3.18	cps
Potassium	39-2	383485	383989	385035	384170	0.21	cps
Rhodium	103-1	6098747	6118134	6047639	6088173	0.60	cps
Rhodium	103-2	4131005	4183044	4174482	4162844	0.67	cps
Scandium	45-1	4041469	4040755	4030847	4037690	0.15	cps
Scandium	45-2	346941	347074	348151	347389	0.19	cps
Selenium	82-1	175	103	46	108	59.95	cps
Selenium	77-2	37	43	60	47	25.75	cps
Selenium	78-2	470	537	547	518	8.05	cps
Silicon	28-1	4481418	4400573	4337193	4406395	1.64	cps
Silver	107-1	110	170	133	138	21.95	cps
Silver	109-1	107	150	140	132	17.16	cps
Sodium	23-2	131319	133890	133006	132738	0.98	cps
Strontium	86-1	45273	46951	45356	45860	2.06	cps
Strontium	88-1	385467	389309	388470	387749	0.52	cps
Sulfur	34-1	404599	406511	397757	402956	1.14	cps
Terbium	159-1	6966098	7314768	7070122	7116996	2.52	cps
Terbium	159-2	5690914	5665791	5617083	5657929	0.66	cps
Thallium	203-1	587	540	600	576	5.47	cps
Thallium	205-1	1487	1383	1327	1399	5.80	cps
Tin	118-1	1117	1313	1140	1190	9.03	cps
Titanium	47-1	390	440	417	416	6.02	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:04:35	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5851	6035	5868	5918	1.71	cps
Vanadium	51-2	6882	7072	7399	7117	3.67	cps
Yttrium	89-1	9706325	9505174	9823667	9678389	1.66	cps
Yttrium	89-2	2925068	2874271	2852785	2884041	1.29	cps
Zinc	66-2	22984	22377	22390	22584	1.54	cps
Zirconium	90-1	780	770	703	751	5.55	cps
Zirconium	91-1	157	153	170	160	5.51	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:07:51	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	354205	356090	358508	356268	0.61	cps
Antimony	121-1	83	120	83	96	22.16	cps
Arsenic	75-2	507	643	557	569	12.15	cps
Barium	135-1	3577	3560	3447	3528	2.01	cps
Barium	137-1	6031	6081	6125	6079	0.77	cps
Beryllium	9-1	210	217	240	222	7.09	cps
Bismuth	209-1	4509939	4360135	4329208	4399761	2.20	cps
Bismuth	209-2	4242131	4330478	4290581	4287730	1.03	cps
Bromine	81-1	10370	10887	10561	10606	2.47	cps
Bromine	81-2	347	327	320	331	4.19	cps
Cadmium	108-1	23	30	33	29	17.63	cps
Cadmium	106-1	1970	2124	2047	2047	3.75	cps
Cadmium	111-1	491	545	498	511	5.73	cps
Calcium	43-1	102343	101510	102242	102032	0.45	cps
Calcium	44-1	1887549	1836885	1775762	1833399	3.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5471	5905	5541	5639	4.13	cps
Cobalt	59-2	24510	24720	25168	24800	1.35	cps
Copper	63-2	34857	35001	35328	35062	0.69	cps
Dysprosium	156-1	8983	8646	8519	8716	2.75	cps
Dysprosium	156-2	8856	9076	9253	9062	2.19	cps
Erbium	164-1	9026	8606	8970	8867	2.57	cps
Erbium	164-2	7409	7595	7452	7485	1.31	cps
Gadolinium	160-1	8273	8439	8589	8434	1.88	cps
Gadolinium	160-2	7572	8016	7492	7693	3.67	cps
Holmium	165-1	6968460	6840300	6811991	6873584	1.21	cps
Holmium	165-2	5753957	5697511	5636967	5696145	1.03	cps
Indium	115-1	6171259	6087979	5972244	6077160	1.64	cps
Indium	115-2	2516646	2572628	2533410	2540895	1.13	cps
Iron	56-2	1173628	1187142	1189626	1183465	0.73	cps
Iron	57-2	32478	31760	32636	32291	1.45	cps
Iron	54-2	65649	66436	66814	66300	0.90	cps
Krypton	83-1	567	560	510	546	5.68	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:07:51	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8092	8109	8186	8129	0.61	cps
Lead	207-1	7102	7002	6825	6976	2.01	cps
Lead	208-1	31581	31878	31898	31786	0.56	cps
Lithium	6-1	647235	618808	617826	627957	2.66	cps
Magnesium	24-2	210341	213217	212976	212178	0.75	cps
Manganese	55-2	785653	796916	798290	793619	0.87	cps
Molybdenum	94-1	357	403	450	403	11.57	cps
Molybdenum	95-1	333	313	227	291	19.48	cps
Molybdenum	96-1	400	423	400	408	3.30	cps
Molybdenum	97-1	230	233	153	206	22.02	cps
Molybdenum	98-1	470	440	537	482	10.26	cps
Neodymium	150-1	13507	13226	13477	13403	1.15	cps
Neodymium	150-2	9260	9650	9360	9423	2.15	cps
Nickel	60-2	5344	5431	5591	5455	2.29	cps
Phosphorus	31-2	2254	2404	2387	2348	3.50	cps
Potassium	39-2	388872	391122	391909	390634	0.40	cps
Rhodium	103-1	6047253	6156418	6157628	6120433	1.04	cps
Rhodium	103-2	4131848	4175675	4083546	4130356	1.12	cps
Scandium	45-1	4064200	3879790	4001978	3981989	2.36	cps
Scandium	45-2	346130	349513	350865	348836	0.70	cps
Selenium	82-1	48	89	111	83	38.54	cps
Selenium	77-2	53	43	27	41	32.76	cps
Selenium	78-2	543	560	610	571	6.07	cps
Silicon	28-1	4355551	4419731	4362910	4379398	0.80	cps
Silver	107-1	93	70	47	70	33.33	cps
Silver	109-1	53	87	90	77	26.45	cps
Sodium	23-2	132840	134115	132081	133012	0.77	cps
Strontium	86-1	45487	46543	46169	46066	1.16	cps
Strontium	88-1	389550	393912	390766	391409	0.58	cps
Sulfur	34-1	397443	405281	401148	401290	0.98	cps
Terbium	159-1	7145118	7192098	7183310	7173509	0.35	cps
Terbium	159-2	5665227	5603245	5626772	5631748	0.56	cps
Thallium	203-1	480	503	557	513	7.66	cps
Thallium	205-1	1367	1087	1203	1219	11.54	cps
Tin	118-1	1190	1110	1200	1167	4.23	cps
Titanium	47-1	393	463	443	433	8.32	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:07:51	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6118	6138	6101	6119	0.30	cps
Vanadium	51-2	7032	6978	7108	7039	0.93	cps
Yttrium	89-1	9915675	9544380	9435875	9631977	2.61	cps
Yttrium	89-2	2895496	2910559	2832521	2879525	1.44	cps
Zinc	66-2	22984	23532	23692	23403	1.59	cps
Zirconium	90-1	607	680	730	672	9.23	cps
Zirconium	91-1	160	103	160	141	23.19	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	500
Date & Time Acquired :	2025-07-24 12:11:04	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	71087	71479	70347	70971	0.81	cps
Antimony	121-1	57	50	80	62	25.32	cps
Arsenic	75-2	100	120	100	107	10.83	cps
Barium	135-1	703	650	630	661	5.73	cps
Barium	137-1	1227	1303	1220	1250	3.70	cps
Beryllium	9-1	53	60	70	61	13.73	cps
Bismuth	209-1	4421613	4334141	4454538	4403431	1.41	cps
Bismuth	209-2	4316305	4290810	4264733	4290616	0.60	cps
Bromine	81-1	10667	10434	10270	10457	1.91	cps
Bromine	81-2	240	147	187	191	24.50	cps
Cadmium	108-1	20	7	20	16	49.47	cps
Cadmium	106-1	2177	2094	2084	2118	2.42	cps
Cadmium	111-1	274	258	278	270	3.85	cps
Calcium	43-1	20801	20801	21188	20930	1.07	cps
Calcium	44-1	358134	359840	360438	359471	0.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2774	2780	2747	2767	0.64	cps
Cobalt	59-2	5331	4888	5181	5133	4.39	cps
Copper	63-2	8513	8376	8009	8299	3.14	cps
Dysprosium	156-1	1947	1847	1840	1878	3.18	cps
Dysprosium	156-2	1883	1880	1823	1862	1.81	cps
Erbium	164-1	1700	1900	1790	1797	5.58	cps
Erbium	164-2	1390	1487	1463	1447	3.49	cps
Gadolinium	160-1	1613	1813	1733	1720	5.85	cps
Gadolinium	160-2	1737	1737	1633	1702	3.51	cps
Holmium	165-1	6660288	6838146	6927608	6808681	2.00	cps
Holmium	165-2	5681727	5561764	5673397	5638962	1.19	cps
Indium	115-1	6010718	6099069	6171189	6093658	1.32	cps
Indium	115-2	2570235	2559822	2557451	2562503	0.27	cps
Iron	56-2	259101	253268	254954	255774	1.17	cps
Iron	57-2	7629	7442	7612	7561	1.37	cps
Iron	54-2	15465	15295	15041	15267	1.40	cps
Krypton	83-1	507	510	507	508	0.38	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	500
Date & Time Acquired :	2025-07-24 12:11:04	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1943	2177	1927	2016	6.94	cps
Lead	207-1	1683	1763	1897	1781	6.05	cps
Lead	208-1	8011	8304	8144	8153	1.80	cps
Lithium	6-1	637511	621178	630273	629654	1.30	cps
Magnesium	24-2	42790	42215	43184	42729	1.14	cps
Manganese	55-2	161042	158374	158766	159394	0.90	cps
Molybdenum	94-1	297	237	287	273	11.76	cps
Molybdenum	95-1	277	223	250	250	10.67	cps
Molybdenum	96-1	310	333	310	318	4.24	cps
Molybdenum	97-1	220	210	173	201	12.22	cps
Molybdenum	98-1	413	363	367	381	7.33	cps
Neodymium	150-1	2560	2544	2704	2602	3.38	cps
Neodymium	150-2	1990	1827	1713	1843	7.55	cps
Nickel	60-2	1633	1503	1560	1566	4.16	cps
Phosphorus	31-2	803	837	833	824	2.23	cps
Potassium	39-2	134727	134487	134629	134614	0.09	cps
Rhodium	103-1	6195122	6114731	6183226	6164360	0.70	cps
Rhodium	103-2	4187886	4178763	4111074	4159241	1.01	cps
Scandium	45-1	4051784	3998474	3984026	4011428	0.89	cps
Scandium	45-2	353114	347225	350166	350168	0.84	cps
Selenium	82-1	83	137	86	102	29.56	cps
Selenium	77-2	0	10	23	11	105.35	cps
Selenium	78-2	433	573	423	477	17.59	cps
Silicon	28-1	1667167	1677691	1673414	1672758	0.32	cps
Silver	107-1	60	90	67	72	21.81	cps
Silver	109-1	50	20	30	33	45.83	cps
Sodium	23-2	51737	50469	51118	51108	1.24	cps
Strontium	86-1	10307	10194	10090	10197	1.06	cps
Strontium	88-1	78699	78005	80154	78953	1.39	cps
Sulfur	34-1	210512	212310	210336	211053	0.52	cps
Terbium	159-1	7063907	7192905	7043910	7100241	1.14	cps
Terbium	159-2	5661228	5729332	5780800	5723787	1.05	cps
Thallium	203-1	493	293	407	398	25.21	cps
Thallium	205-1	853	1033	927	938	9.65	cps
Tin	118-1	1007	1100	1117	1074	5.52	cps
Titanium	47-1	170	223	173	189	15.82	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	500
Date & Time Acquired :	2025-07-24 12:11:04	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1320	1280	1317	1306	1.70	cps
Vanadium	51-2	1423	1487	1417	1442	2.68	cps
Yttrium	89-1	9414372	9623934	9523221	9520509	1.10	cps
Yttrium	89-2	2844976	2868581	2862256	2858605	0.43	cps
Zinc	66-2	5158	5234	5158	5183	0.85	cps
Zirconium	90-1	417	603	477	499	19.11	cps
Zirconium	91-1	80	117	140	112	26.96	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:14:21	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	149717	148151	147917	148595	0.66	cps
Antimony	121-1	22618	22635	22635	22629	0.04	cps
Arsenic	75-2	2320	2034	2067	2140	7.33	cps
Barium	135-1	25233	26475	25700	25802	2.43	cps
Barium	137-1	44172	44710	44473	44452	0.61	cps
Beryllium	9-1	3407	3454	3570	3477	2.42	cps
Bismuth	209-1	4359906	4383195	4428357	4390486	0.79	cps
Bismuth	209-2	4343631	4193098	4332809	4289846	1.96	cps
Bromine	81-1	10354	10220	10397	10324	0.89	cps
Bromine	81-2	180	237	203	207	13.78	cps
Cadmium	108-1	557	463	420	480	14.55	cps
Cadmium	106-1	2594	2684	2727	2668	2.55	cps
Cadmium	111-1	6001	6546	6584	6377	5.11	cps
Calcium	43-1	46143	46996	46585	46575	0.92	cps
Calcium	44-1	770676	777175	774791	774214	0.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16703	16416	16226	16448	1.46	cps
Cobalt	59-2	29963	30357	29469	29930	1.49	cps
Copper	63-2	164839	165833	163009	164561	0.87	cps
Dysprosium	156-1	3164	3310	3460	3312	4.48	cps
Dysprosium	156-2	3457	3450	3484	3464	0.51	cps
Erbium	164-1	3437	3394	3360	3397	1.13	cps
Erbium	164-2	2740	2774	2720	2745	0.98	cps
Gadolinium	160-1	3140	3247	3227	3205	1.77	cps
Gadolinium	160-2	3097	3157	3060	3105	1.57	cps
Holmium	165-1	6855989	6922366	6959158	6912504	0.76	cps
Holmium	165-2	5740994	5624004	5575489	5646829	1.51	cps
Indium	115-1	6156416	6108925	6088948	6118096	0.57	cps
Indium	115-2	2592838	2599583	2538062	2576828	1.31	cps
Iron	56-2	1029286	1024928	1020154	1024789	0.45	cps
Iron	57-2	28110	26938	26837	27295	2.59	cps
Iron	54-2	59029	58118	57974	58374	0.98	cps
Krypton	83-1	480	523	540	514	6.02	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:14:21	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	82982	84290	83589	83620	0.78	cps
Lead	207-1	73247	74524	74139	73970	0.89	cps
Lead	208-1	335123	338851	337936	337303	0.58	cps
Lithium	6-1	630785	633941	629618	631448	0.35	cps
Magnesium	24-2	203341	202974	203020	203112	0.10	cps
Manganese	55-2	407438	405082	402342	404954	0.63	cps
Molybdenum	94-1	40777	41235	41014	41009	0.56	cps
Molybdenum	95-1	45390	45654	45146	45397	0.56	cps
Molybdenum	96-1	50005	51273	50621	50633	1.25	cps
Molybdenum	97-1	27833	27833	27963	27877	0.27	cps
Molybdenum	98-1	72013	72610	73062	72562	0.72	cps
Neodymium	150-1	5058	5018	4994	5023	0.64	cps
Neodymium	150-2	3450	3510	3420	3460	1.32	cps
Nickel	60-2	7545	7775	7682	7668	1.51	cps
Phosphorus	31-2	1250	1230	1347	1276	4.89	cps
Potassium	39-2	262385	259798	260530	260904	0.51	cps
Rhodium	103-1	6060481	6084273	6178103	6107619	1.02	cps
Rhodium	103-2	4183254	4165148	4106390	4151597	0.97	cps
Scandium	45-1	4019369	4071515	4108723	4066536	1.10	cps
Scandium	45-2	352180	350291	349435	350635	0.40	cps
Selenium	82-1	663	648	635	649	2.15	cps
Selenium	77-2	63	53	90	69	27.52	cps
Selenium	78-2	783	713	723	740	5.12	cps
Silicon	28-1	2335140	2351458	2318475	2335024	0.71	cps
Silver	107-1	5294	5114	5551	5320	4.13	cps
Silver	109-1	5074	5018	5161	5084	1.42	cps
Sodium	23-2	250423	249810	248756	249663	0.34	cps
Strontium	86-1	27392	27486	27556	27478	0.30	cps
Strontium	88-1	229368	233400	232896	231888	0.95	cps
Sulfur	34-1	254296	253792	254379	254156	0.12	cps
Terbium	159-1	7152441	7141175	7101386	7131667	0.38	cps
Terbium	159-2	5771693	5611619	5672569	5685294	1.42	cps
Thallium	203-1	20135	20282	20022	20146	0.65	cps
Thallium	205-1	47312	47676	47563	47517	0.39	cps
Tin	118-1	18235	23967	18192	20131	16.50	cps
Titanium	47-1	240	207	247	231	9.27	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:14:21	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	62509	62922	63116	62849	0.49	cps
Vanadium	51-2	14374	13937	13826	14046	2.06	cps
Yttrium	89-1	9751661	9657826	9643904	9684464	0.61	cps
Yttrium	89-2	2911015	2870391	2898789	2893398	0.72	cps
Zinc	66-2	37123	36615	36485	36741	0.92	cps
Zirconium	90-1	41017	41803	41228	41349	0.98	cps
Zirconium	91-1	9250	8809	9210	9090	2.68	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:17:38	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	165511	165170	164078	164920	0.45	cps
Antimony	121-1	25202	24818	25580	25200	1.51	cps
Arsenic	75-2	2394	2334	2394	2374	1.46	cps
Barium	135-1	28445	28231	28081	28253	0.65	cps
Barium	137-1	48720	48285	49208	48738	0.95	cps
Beryllium	9-1	3620	3660	3781	3687	2.26	cps
Bismuth	209-1	4443674	4282506	4465839	4397340	2.28	cps
Bismuth	209-2	4357200	4364734	4239134	4320356	1.63	cps
Bromine	81-1	10424	10460	10521	10468	0.47	cps
Bromine	81-2	227	243	240	237	3.73	cps
Cadmium	108-1	490	507	510	502	2.13	cps
Cadmium	106-1	2790	2714	2650	2718	2.58	cps
Cadmium	111-1	7155	6815	7117	7029	2.65	cps
Calcium	43-1	50745	51407	51450	51201	0.77	cps
Calcium	44-1	848114	850532	850125	849590	0.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17430	17667	17547	17548	0.68	cps
Cobalt	59-2	33778	33244	32906	33309	1.32	cps
Copper	63-2	182834	180439	180645	181306	0.73	cps
Dysprosium	156-1	3584	3564	3570	3573	0.29	cps
Dysprosium	156-2	3991	3644	3851	3828	4.56	cps
Erbium	164-1	3550	3807	3897	3752	4.80	cps
Erbium	164-2	3167	3004	3087	3086	2.65	cps
Gadolinium	160-1	3647	3541	3677	3622	1.98	cps
Gadolinium	160-2	3337	3307	3264	3303	1.12	cps
Holmium	165-1	6847201	6866188	6883439	6865609	0.26	cps
Holmium	165-2	5773801	5637120	5592627	5667849	1.67	cps
Indium	115-1	6135525	6159238	6101446	6132070	0.47	cps
Indium	115-2	2586879	2596876	2583017	2588924	0.28	cps
Iron	56-2	1137938	1126801	1130745	1131828	0.50	cps
Iron	57-2	29669	29890	28707	29422	2.14	cps
Iron	54-2	64568	64695	64494	64586	0.16	cps
Krypton	83-1	550	553	470	524	9.00	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:17:38	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	91638	92067	92895	92200	0.69	cps
Lead	207-1	81510	80316	81476	81101	0.84	cps
Lead	208-1	367852	369559	374903	370771	0.99	cps
Lithium	6-1	628324	628597	633398	630107	0.45	cps
Magnesium	24-2	224026	225096	224128	224417	0.26	cps
Manganese	55-2	449859	447527	445932	447773	0.44	cps
Molybdenum	94-1	44805	45765	45614	45395	1.14	cps
Molybdenum	95-1	49450	49891	49814	49719	0.47	cps
Molybdenum	96-1	55980	55016	57007	56001	1.78	cps
Molybdenum	97-1	30969	31043	30569	30860	0.83	cps
Molybdenum	98-1	79301	80025	80326	79884	0.66	cps
Neodymium	150-1	5478	5608	5368	5484	2.19	cps
Neodymium	150-2	3894	3871	3791	3852	1.41	cps
Nickel	60-2	8726	8362	8259	8449	2.90	cps
Phosphorus	31-2	1243	1260	1263	1256	0.85	cps
Potassium	39-2	280426	276388	276010	277608	0.88	cps
Rhodium	103-1	6055990	6146154	6227352	6143165	1.40	cps
Rhodium	103-2	4191115	4161270	4092687	4148357	1.22	cps
Scandium	45-1	4065251	4014843	4068811	4049635	0.75	cps
Scandium	45-2	351994	350009	351482	351162	0.29	cps
Selenium	82-1	744	681	695	707	4.64	cps
Selenium	77-2	87	63	73	74	15.73	cps
Selenium	78-2	793	650	830	758	12.55	cps
Silicon	28-1	2484938	2522948	2523361	2510416	0.88	cps
Silver	107-1	5821	5908	6048	5926	1.93	cps
Silver	109-1	5524	5471	5378	5458	1.36	cps
Sodium	23-2	275455	274222	272329	274002	0.57	cps
Strontium	86-1	29950	30194	29987	30044	0.44	cps
Strontium	88-1	254329	255158	257619	255702	0.67	cps
Sulfur	34-1	263608	264560	264157	264108	0.18	cps
Terbium	159-1	7112446	7043271	7095490	7083736	0.51	cps
Terbium	159-2	5685525	5700453	5537976	5641318	1.59	cps
Thallium	203-1	21741	22315	22165	22074	1.35	cps
Thallium	205-1	52006	52668	52832	52502	0.83	cps
Tin	118-1	20021	20004	20778	20268	2.18	cps
Titanium	47-1	393	223	257	291	30.94	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:17:38	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	68716	68968	70459	69381	1.36	cps
Vanadium	51-2	15632	15538	14784	15318	3.03	cps
Yttrium	89-1	9849587	9710645	9594395	9718209	1.31	cps
Yttrium	89-2	2878248	2888486	2875950	2880895	0.23	cps
Zinc	66-2	41658	40692	40879	41077	1.25	cps
Zirconium	90-1	45825	46871	46423	46373	1.13	cps
Zirconium	91-1	10230	10250	10337	10273	0.55	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:20:57	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	161310	158706	158176	159397	1.05	cps
Antimony	121-1	24474	23933	24504	24304	1.32	cps
Arsenic	75-2	2360	2440	2287	2362	3.25	cps
Barium	135-1	27263	27510	27720	27498	0.83	cps
Barium	137-1	47891	47298	48486	47892	1.24	cps
Beryllium	9-1	3897	3607	3824	3776	3.99	cps
Bismuth	209-1	4437243	4468170	4411936	4439116	0.63	cps
Bismuth	209-2	4286606	4302298	4332184	4307029	0.54	cps
Bromine	81-1	10510	10370	10697	10526	1.56	cps
Bromine	81-2	260	223	233	239	7.93	cps
Cadmium	108-1	447	477	470	464	3.39	cps
Cadmium	106-1	2700	2717	2780	2733	1.54	cps
Cadmium	111-1	7019	7173	7044	7079	1.17	cps
Calcium	43-1	51701	50945	50119	50922	1.55	cps
Calcium	44-1	835225	838137	836329	836564	0.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17253	17110	17550	17304	1.30	cps
Cobalt	59-2	33130	31824	32833	32595	2.10	cps
Copper	63-2	180694	178313	178584	179197	0.73	cps
Dysprosium	156-1	3480	3507	3500	3496	0.40	cps
Dysprosium	156-2	3674	3731	3644	3683	1.20	cps
Erbium	164-1	3601	3654	3777	3677	2.46	cps
Erbium	164-2	3130	3030	3034	3065	1.85	cps
Gadolinium	160-1	3437	3357	3360	3385	1.34	cps
Gadolinium	160-2	3344	3310	3287	3314	0.86	cps
Holmium	165-1	6895221	6904847	6910185	6903418	0.11	cps
Holmium	165-2	5751498	5683290	5757903	5730897	0.72	cps
Indium	115-1	6110502	6123033	6200866	6144800	0.80	cps
Indium	115-2	2566054	2611157	2561825	2579679	1.06	cps
Iron	56-2	1118162	1099930	1102245	1106779	0.90	cps
Iron	57-2	29536	28297	29085	28972	2.16	cps
Iron	54-2	62369	61759	62198	62109	0.51	cps
Krypton	83-1	543	537	527	536	1.57	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:20:57	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	89838	90583	91013	90478	0.66	cps
Lead	207-1	79276	79052	77902	78744	0.94	cps
Lead	208-1	362303	364330	363358	363330	0.28	cps
Lithium	6-1	634894	635733	635426	635351	0.07	cps
Magnesium	24-2	220610	219054	220614	220093	0.41	cps
Manganese	55-2	439471	429606	430834	433304	1.24	cps
Molybdenum	94-1	43411	44374	43605	43796	1.16	cps
Molybdenum	95-1	48202	48059	48664	48308	0.65	cps
Molybdenum	96-1	54696	53969	53969	54211	0.77	cps
Molybdenum	97-1	29857	29610	30422	29963	1.39	cps
Molybdenum	98-1	77702	76271	76610	76861	0.97	cps
Neodymium	150-1	5441	5451	5391	5428	0.59	cps
Neodymium	150-2	3804	3771	3801	3792	0.48	cps
Nickel	60-2	8809	8533	8583	8641	1.71	cps
Phosphorus	31-2	1270	1243	1210	1241	2.42	cps
Potassium	39-2	270927	272660	271228	271605	0.34	cps
Rhodium	103-1	6131539	6142452	6151628	6141873	0.16	cps
Rhodium	103-2	4146234	4174148	4101109	4140497	0.89	cps
Scandium	45-1	4042142	4066064	4115631	4074612	0.92	cps
Scandium	45-2	354889	347598	352548	351678	1.06	cps
Selenium	82-1	622	610	652	628	3.46	cps
Selenium	77-2	63	60	73	66	10.58	cps
Selenium	78-2	877	790	687	784	12.13	cps
Silicon	28-1	2439143	2407666	2476979	2441262	1.42	cps
Silver	107-1	5721	5768	5801	5763	0.70	cps
Silver	109-1	5144	5308	5258	5237	1.60	cps
Sodium	23-2	269209	266082	265530	266940	0.74	cps
Strontium	86-1	29216	29179	29737	29377	1.06	cps
Strontium	88-1	248522	248061	248119	248234	0.10	cps
Sulfur	34-1	267693	263024	262306	264341	1.11	cps
Terbium	159-1	7143728	7133420	7176719	7151289	0.32	cps
Terbium	159-2	5772895	5553673	5606061	5644210	2.03	cps
Thallium	203-1	21387	21273	21046	21236	0.82	cps
Thallium	205-1	50785	49931	50802	50506	0.99	cps
Tin	118-1	20505	20501	20411	20472	0.26	cps
Titanium	47-1	220	290	223	244	16.16	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	100
Date & Time Acquired :	2025-07-24 12:20:57	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67055	67176	67155	67128	0.10	cps
Vanadium	51-2	14907	14617	15158	14894	1.82	cps
Yttrium	89-1	9694294	9636292	9619680	9650088	0.41	cps
Yttrium	89-2	2979174	2881867	2830777	2897273	2.60	cps
Zinc	66-2	42220	41110	41658	41663	1.33	cps
Zirconium	90-1	44334	44668	44343	44448	0.43	cps
Zirconium	91-1	9803	9877	9610	9763	1.41	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:24:13	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	331487	331185	331293	331322	0.05	cps
Antimony	121-1	80	87	80	82	4.68	cps
Arsenic	75-2	423	393	457	424	7.46	cps
Barium	135-1	2630	2657	2734	2674	2.01	cps
Barium	137-1	4411	4541	4677	4543	2.94	cps
Beryllium	9-1	237	200	293	243	19.33	cps
Bismuth	209-1	4557391	4500865	4479304	4512520	0.89	cps
Bismuth	209-2	4314744	4372997	4358553	4348764	0.70	cps
Bromine	81-1	11041	11038	10314	10797	3.88	cps
Bromine	81-2	213	267	337	272	22.72	cps
Cadmium	108-1	27	37	17	27	37.50	cps
Cadmium	106-1	2187	2170	1997	2118	4.97	cps
Cadmium	111-1	477	478	438	464	4.90	cps
Calcium	43-1	70583	69816	69137	69845	1.04	cps
Calcium	44-1	1253741	1228963	1233514	1238739	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5121	5404	5328	5284	2.77	cps
Cobalt	59-2	23465	23692	23282	23480	0.88	cps
Copper	63-2	34694	34076	33992	34254	1.12	cps
Dysprosium	156-1	8142	7796	7846	7928	2.36	cps
Dysprosium	156-2	8383	8486	8359	8409	0.80	cps
Erbium	164-1	7879	8363	8253	8165	3.10	cps
Erbium	164-2	6685	6885	6808	6793	1.49	cps
Gadolinium	160-1	7862	7776	7889	7842	0.76	cps
Gadolinium	160-2	7018	6758	7182	6986	3.06	cps
Holmium	165-1	6953820	6932565	7170776	7019054	1.88	cps
Holmium	165-2	5811241	5711942	5769913	5764365	0.87	cps
Indium	115-1	6169469	6274224	6323615	6255769	1.26	cps
Indium	115-2	2596595	2618882	2584370	2599949	0.67	cps
Iron	56-2	851678	849239	846845	849254	0.28	cps
Iron	57-2	23725	23826	23505	23685	0.69	cps
Iron	54-2	48371	48331	48424	48375	0.10	cps
Krypton	83-1	483	533	570	529	8.23	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:24:13	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6518	6595	6475	6529	0.93	cps
Lead	207-1	5428	5351	5561	5447	1.95	cps
Lead	208-1	25783	25690	25153	25542	1.33	cps
Lithium	6-1	649559	654663	640539	648254	1.10	cps
Magnesium	24-2	180539	177237	178149	178642	0.95	cps
Manganese	55-2	760723	757494	758573	758930	0.22	cps
Molybdenum	94-1	497	453	527	492	7.49	cps
Molybdenum	95-1	270	290	290	283	4.08	cps
Molybdenum	96-1	310	393	330	344	12.63	cps
Molybdenum	97-1	263	203	217	228	13.83	cps
Molybdenum	98-1	400	400	397	399	0.48	cps
Neodymium	150-1	11945	12105	12015	12022	0.67	cps
Neodymium	150-2	8236	8786	8506	8509	3.23	cps
Nickel	60-2	5388	5198	5641	5409	4.11	cps
Phosphorus	31-2	2063	1773	1987	1941	7.74	cps
Potassium	39-2	347357	346707	348838	347634	0.31	cps
Rhodium	103-1	6228405	6185191	6431172	6281589	2.09	cps
Rhodium	103-2	4206151	4234486	4282805	4241147	0.91	cps
Scandium	45-1	4217093	4106494	4117818	4147135	1.47	cps
Scandium	45-2	354056	357987	356003	356015	0.55	cps
Selenium	82-1	228	102	107	146	48.90	cps
Selenium	77-2	30	37	37	34	11.18	cps
Selenium	78-2	570	513	510	531	6.35	cps
Silicon	28-1	4310902	4433997	4419118	4388006	1.53	cps
Silver	107-1	80	93	87	87	7.69	cps
Silver	109-1	80	67	70	72	9.61	cps
Sodium	23-2	118026	119261	117978	118422	0.61	cps
Strontium	86-1	23903	24417	24474	24265	1.30	cps
Strontium	88-1	201888	204444	198915	201749	1.37	cps
Sulfur	34-1	351287	348617	357885	352596	1.35	cps
Terbium	159-1	7139672	7246307	7342276	7242752	1.40	cps
Terbium	159-2	5803520	5759826	5708903	5757416	0.82	cps
Thallium	203-1	377	383	373	378	1.35	cps
Thallium	205-1	940	973	863	926	6.09	cps
Tin	118-1	1260	1183	1247	1230	3.33	cps
Titanium	47-1	460	327	347	378	19.03	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:24:13	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5394	5184	5691	5423	4.70	cps
Vanadium	51-2	6435	6475	6178	6363	2.53	cps
Yttrium	89-1	10031501	9931292	9891173	9951322	0.73	cps
Yttrium	89-2	2974789	2943228	2958063	2958693	0.53	cps
Zinc	66-2	20117	19219	19937	19758	2.40	cps
Zirconium	90-1	837	887	963	896	7.13	cps
Zirconium	91-1	173	170	177	173	1.92	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:31:08	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	252977	254198	253643	253606	0.24	cps
Antimony	121-1	73	63	77	71	9.76	cps
Arsenic	75-2	543	560	597	567	4.82	cps
Barium	135-1	3774	4051	3881	3902	3.58	cps
Barium	137-1	6578	6788	6998	6788	3.09	cps
Beryllium	9-1	160	150	163	158	4.40	cps
Bismuth	209-1	4678642	4648693	4678080	4668471	0.37	cps
Bismuth	209-2	4440615	4509357	4506693	4485555	0.87	cps
Bromine	81-1	10457	10621	10324	10467	1.42	cps
Bromine	81-2	263	317	283	288	9.36	cps
Cadmium	108-1	23	37	30	30	22.23	cps
Cadmium	106-1	2043	2177	2094	2105	3.20	cps
Cadmium	111-1	511	429	472	471	8.79	cps
Calcium	43-1	114062	115264	116272	115199	0.96	cps
Calcium	44-1	2010571	2059578	2049461	2039870	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5318	5174	5354	5282	1.80	cps
Cobalt	59-2	16202	16219	16059	16160	0.54	cps
Copper	63-2	19937	19586	20080	19868	1.28	cps
Dysprosium	156-1	3821	4154	4197	4057	5.08	cps
Dysprosium	156-2	4614	4244	4467	4442	4.20	cps
Erbium	164-1	4621	4651	4451	4574	2.36	cps
Erbium	164-2	3590	3801	3834	3742	3.53	cps
Gadolinium	160-1	3884	4107	3914	3968	3.06	cps
Gadolinium	160-2	3711	3687	3747	3715	0.81	cps
Holmium	165-1	7187990	7323680	7026984	7179551	2.07	cps
Holmium	165-2	5919919	5957340	5865933	5914397	0.78	cps
Indium	115-1	6436371	6467011	6363416	6422266	0.83	cps
Indium	115-2	2642576	2722972	2669765	2678438	1.53	cps
Iron	56-2	1755127	1722176	1749596	1742299	1.01	cps
Iron	57-2	41313	41698	41534	41515	0.46	cps
Iron	54-2	87355	86715	87862	87310	0.66	cps
Krypton	83-1	513	503	630	549	12.83	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:31:08	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8843	8389	8323	8518	3.32	cps
Lead	207-1	7175	6979	7192	7115	1.67	cps
Lead	208-1	33907	32349	33016	33090	2.36	cps
Lithium	6-1	673972	673910	674280	674054	0.03	cps
Magnesium	24-2	286488	286223	285816	286176	0.12	cps
Manganese	55-2	658836	661449	660011	660099	0.20	cps
Molybdenum	94-1	470	523	440	478	8.83	cps
Molybdenum	95-1	223	267	263	251	9.60	cps
Molybdenum	96-1	313	320	390	341	12.45	cps
Molybdenum	97-1	227	277	153	219	28.34	cps
Molybdenum	98-1	337	423	460	407	15.57	cps
Neodymium	150-1	5941	6178	6038	6052	1.97	cps
Neodymium	150-2	4277	4164	4174	4205	1.49	cps
Nickel	60-2	4714	4411	4711	4612	3.78	cps
Phosphorus	31-2	2790	2737	2904	2810	3.03	cps
Potassium	39-2	427542	427933	430992	428822	0.44	cps
Rhodium	103-1	6466385	6398381	6308094	6390953	1.24	cps
Rhodium	103-2	4306894	4333510	4398409	4346271	1.08	cps
Scandium	45-1	4247139	4209918	4274634	4243897	0.77	cps
Scandium	45-2	365127	367536	365900	366188	0.34	cps
Selenium	82-1	106	115	18	80	67.16	cps
Selenium	77-2	20	30	17	22	31.22	cps
Selenium	78-2	577	520	573	557	5.71	cps
Silicon	28-1	3588641	3647782	3581042	3605822	1.01	cps
Silver	107-1	67	50	37	51	29.41	cps
Silver	109-1	67	37	63	56	29.59	cps
Sodium	23-2	155645	154703	155069	155139	0.31	cps
Strontium	86-1	37327	37398	37214	37313	0.25	cps
Strontium	88-1	318913	318675	323629	320406	0.87	cps
Sulfur	34-1	411751	416488	421557	416599	1.18	cps
Terbium	159-1	7180137	7354406	7404428	7312990	1.61	cps
Terbium	159-2	5912107	5911431	5903752	5909097	0.08	cps
Thallium	203-1	320	340	340	333	3.46	cps
Thallium	205-1	793	827	737	786	5.79	cps
Tin	118-1	1320	1420	1197	1312	8.53	cps
Titanium	47-1	653	767	663	694	9.04	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:31:08	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2737	2757	2960	2818	4.39	cps
Vanadium	51-2	7609	7842	7865	7772	1.83	cps
Yttrium	89-1	10091851	10230483	10152103	10158146	0.68	cps
Yttrium	89-2	3048229	2979989	3027314	3018511	1.16	cps
Zinc	66-2	25418	24717	25385	25174	1.57	cps
Zirconium	90-1	893	1003	990	962	6.24	cps
Zirconium	91-1	190	160	193	181	10.14	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-03DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:34:24	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	485758	485300	483527	484862	0.24	cps
Antimony	121-1	113	87	107	102	13.57	cps
Arsenic	75-2	907	857	930	898	4.17	cps
Barium	135-1	5698	6108	5845	5883	3.53	cps
Barium	137-1	10150	10254	10080	10161	0.86	cps
Beryllium	9-1	297	363	280	313	14.07	cps
Bismuth	209-1	4552604	4564987	4671004	4596198	1.42	cps
Bismuth	209-2	4435849	4411311	4506068	4451076	1.10	cps
Bromine	81-1	10410	10921	11414	10915	4.60	cps
Bromine	81-2	327	280	280	296	9.11	cps
Cadmium	108-1	23	50	53	42	38.95	cps
Cadmium	106-1	2247	2184	2090	2174	3.63	cps
Cadmium	111-1	595	577	558	577	3.18	cps
Calcium	43-1	94754	96273	94701	95242	0.94	cps
Calcium	44-1	1688042	1673020	1684523	1681862	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8653	8319	8676	8549	2.34	cps
Cobalt	59-2	30511	29743	30284	30179	1.31	cps
Copper	63-2	51592	51127	51338	51352	0.45	cps
Dysprosium	156-1	10691	11275	10964	10977	2.66	cps
Dysprosium	156-2	11565	11388	11672	11542	1.24	cps
Erbium	164-1	11054	11241	11505	11267	2.01	cps
Erbium	164-2	9440	9373	9000	9271	2.56	cps
Gadolinium	160-1	10968	10958	11378	11101	2.16	cps
Gadolinium	160-2	9647	9857	9620	9708	1.34	cps
Holmium	165-1	7208998	7205242	7085412	7166551	0.98	cps
Holmium	165-2	5993121	5868449	5896739	5919436	1.10	cps
Indium	115-1	6375635	6369766	6265159	6336853	0.98	cps
Indium	115-2	2700886	2715973	2660487	2692449	1.07	cps
Iron	56-2	3173218	3208839	3187463	3189840	0.56	cps
Iron	57-2	73111	71941	73127	72726	0.93	cps
Iron	54-2	159539	160528	158247	159438	0.72	cps
Krypton	83-1	540	543	523	536	2.00	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-03DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:34:24	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14314	14351	14525	14397	0.78	cps
Lead	207-1	12156	12286	11962	12134	1.34	cps
Lead	208-1	56046	55728	56223	55999	0.45	cps
Lithium	6-1	657022	655601	677409	663344	1.84	cps
Magnesium	24-2	288230	287693	284670	286864	0.67	cps
Manganese	55-2	975389	981147	978789	978442	0.30	cps
Molybdenum	94-1	550	560	690	600	13.02	cps
Molybdenum	95-1	313	327	330	323	2.73	cps
Molybdenum	96-1	377	490	467	444	13.46	cps
Molybdenum	97-1	310	257	190	252	23.84	cps
Molybdenum	98-1	457	540	477	491	8.86	cps
Neodymium	150-1	17221	17101	17104	17142	0.40	cps
Neodymium	150-2	11608	11538	12105	11751	2.63	cps
Nickel	60-2	7395	7515	7145	7352	2.57	cps
Phosphorus	31-2	3007	3127	3200	3111	3.14	cps
Potassium	39-2	536426	539405	539127	538320	0.31	cps
Rhodium	103-1	6477456	6594060	6304831	6458782	2.25	cps
Rhodium	103-2	4301946	4250031	4277331	4276436	0.61	cps
Scandium	45-1	4251567	4238702	4236502	4242257	0.19	cps
Scandium	45-2	364569	366225	362558	364451	0.50	cps
Selenium	82-1	153	159	206	173	16.97	cps
Selenium	77-2	50	53	67	57	15.57	cps
Selenium	78-2	573	550	577	567	2.56	cps
Silicon	28-1	6664187	6496044	6495137	6551789	1.49	cps
Silver	107-1	63	70	87	73	16.39	cps
Silver	109-1	57	33	100	63	53.42	cps
Sodium	23-2	165818	167568	167310	166899	0.57	cps
Strontium	86-1	33882	35496	35292	34890	2.52	cps
Strontium	88-1	298834	295857	299730	298140	0.68	cps
Sulfur	34-1	450300	450711	441857	447623	1.12	cps
Terbium	159-1	7304835	7346276	7455802	7368971	1.06	cps
Terbium	159-2	5982296	5878497	5877126	5912639	1.02	cps
Thallium	203-1	303	337	327	322	5.31	cps
Thallium	205-1	800	813	837	817	2.27	cps
Tin	118-1	1247	1133	1173	1185	4.85	cps
Titanium	47-1	16756	16599	16883	16746	0.85	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-03DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:34:24	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10277	10441	10491	10403	1.07	cps
Vanadium	51-2	12502	11955	12268	12242	2.24	cps
Yttrium	89-1	10274107	10144050	10232195	10216784	0.65	cps
Yttrium	89-2	3057505	3052680	3020972	3043719	0.65	cps
Zinc	66-2	26550	25963	26273	26262	1.12	cps
Zirconium	90-1	1150	1137	1133	1140	0.77	cps
Zirconium	91-1	253	177	210	213	18.02	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:39:25	DataFile Name :	032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9977854	9955439	9955139	9962811	0.13	cps
Antimony	121-1	3043456	3189093	3121712	3118087	2.34	cps
Arsenic	75-2	192625	191673	190832	191710	0.47	cps
Barium	135-1	3761150	3929352	3876620	3855708	2.23	cps
Barium	137-1	6502053	6619089	6712651	6611265	1.60	cps
Beryllium	9-1	403992	406605	413582	408060	1.21	cps
Bismuth	209-1	4425256	4450417	4461364	4445679	0.42	cps
Bismuth	209-2	4300633	4235096	4257469	4264400	0.78	cps
Bromine	81-1	10194	10370	10581	10382	1.87	cps
Bromine	81-2	160	163	167	163	2.04	cps
Cadmium	108-1	56065	56647	56393	56368	0.52	cps
Cadmium	106-1	79366	80968	82222	80852	1.77	cps
Cadmium	111-1	721492	740239	744384	735372	1.66	cps
Calcium	43-1	5168080	5173186	5240618	5193961	0.78	cps
Calcium	44-1	81919950	82895212	82867489	82560884	0.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1818989	1814253	1791612	1808285	0.81	cps
Cobalt	59-2	2817613	2799807	2734576	2783999	1.57	cps
Copper	63-2	20850830	20884807	20676120	20803919	0.54	cps
Dysprosium	156-1	143	157	167	156	7.52	cps
Dysprosium	156-2	263	290	273	276	4.89	cps
Erbium	164-1	383	333	397	371	9.00	cps
Erbium	164-2	297	233	243	258	13.21	cps
Gadolinium	160-1	230	180	217	209	12.40	cps
Gadolinium	160-2	407	477	443	442	7.92	cps
Holmium	165-1	7137321	7346060	7414649	7299343	1.98	cps
Holmium	165-2	5985953	6004044	5919481	5969826	0.75	cps
Indium	115-1	6144586	6240534	6365284	6250135	1.77	cps
Indium	115-2	2648678	2613389	2608700	2623589	0.83	cps
Iron	56-2	440975473	436542527	435008874	437508958	0.71	cps
Iron	57-2	10888581	10782961	10702841	10791461	0.86	cps
Iron	54-2	24239679	23812969	24021860	24024836	0.89	cps
Krypton	83-1	587	537	503	542	7.73	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:39:25	DataFile Name :	032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11407211	11656459	11699448	11587706	1.36	cps
Lead	207-1	10032033	10448687	10602781	10361167	2.85	cps
Lead	208-1	46080514	47379916	47333183	46931204	1.57	cps
Lithium	6-1	669973	671162	675352	672162	0.42	cps
Magnesium	24-2	88826485	89312792	88821512	88986930	0.32	cps
Manganese	55-2	13864374	13629681	13947748	13813934	1.19	cps
Molybdenum	94-1	11889014	12150491	12341466	12126991	1.87	cps
Molybdenum	95-1	17393986	17279599	17555394	17409660	0.80	cps
Molybdenum	96-1	18947375	18820838	19035491	18934568	0.57	cps
Molybdenum	97-1	10523916	10762874	10625965	10637585	1.13	cps
Molybdenum	98-1	27184250	27926671	27777093	27629338	1.42	cps
Neodymium	150-1	207	203	200	203	1.64	cps
Neodymium	150-2	110	70	90	90	22.22	cps
Nickel	60-2	620428	624442	617381	620750	0.57	cps
Phosphorus	31-2	95885	94903	95376	95388	0.52	cps
Potassium	39-2	49944284	50442121	50657046	50347817	0.73	cps
Rhodium	103-1	6155277	6230510	6242967	6209585	0.76	cps
Rhodium	103-2	4206817	4130198	4062492	4133169	1.75	cps
Scandium	45-1	4247489	4360807	4296734	4301677	1.32	cps
Scandium	45-2	368620	370339	367153	368704	0.43	cps
Selenium	82-1	57773	58827	58914	58505	1.09	cps
Selenium	77-2	6928	6982	6922	6944	0.47	cps
Selenium	78-2	23636	23178	23639	23484	1.13	cps
Silicon	28-1	28747445	29352185	29993316	29364316	2.12	cps
Silver	107-1	4338424	4450725	4424340	4404496	1.33	cps
Silver	109-1	4282592	4170603	4262357	4238517	1.41	cps
Sodium	23-2	135079358	131676761	135104221	133953447	1.47	cps
Strontium	86-1	939507	962582	967036	956375	1.55	cps
Strontium	88-1	9533014	9827583	9706518	9689039	1.53	cps
Sulfur	34-1	453638	455364	454437	454480	0.19	cps
Terbium	159-1	7525089	7676206	7477752	7559683	1.37	cps
Terbium	159-2	5984117	5897630	6007532	5963093	0.97	cps
Thallium	203-1	2871263	2869368	2970401	2903677	1.99	cps
Thallium	205-1	6813497	6976464	6914123	6901361	1.19	cps
Tin	118-1	2667092	2706059	2773968	2715706	1.99	cps
Titanium	47-1	4973917	5091852	5011122	5025630	1.20	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:39:25	DataFile Name :	032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9011976	9363658	9263268	9212968	1.97	cps
Vanadium	51-2	1524315	1554220	1572746	1550427	1.58	cps
Yttrium	89-1	9886755	10411354	10150082	10149397	2.58	cps
Yttrium	89-2	2991955	2991759	2993422	2992379	0.03	cps
Zinc	66-2	3671402	3619102	3635377	3641961	0.73	cps
Zirconium	90-1	6021788	6227255	6166250	6138431	1.72	cps
Zirconium	91-1	1142702	1168398	1172856	1161319	1.40	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:45:01	DataFile Name :	033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	313	243	323	293	14.86	cps
Antimony	121-1	303	360	330	331	8.56	cps
Arsenic	75-2	13	20	7	13	49.99	cps
Barium	135-1	47	27	27	33	34.64	cps
Barium	137-1	43	47	37	42	12.06	cps
Beryllium	9-1	7	3	7	6	34.70	cps
Bismuth	209-1	4431478	4379053	4499679	4436737	1.36	cps
Bismuth	209-2	4293620	4283068	4237573	4271420	0.70	cps
Bromine	81-1	9940	9963	9627	9843	1.91	cps
Bromine	81-2	147	190	193	177	14.74	cps
Cadmium	108-1	13	7	3	8	65.47	cps
Cadmium	106-1	1890	1850	1827	1856	1.73	cps
Cadmium	111-1	193	207	194	198	3.99	cps
Calcium	43-1	283	317	297	299	5.61	cps
Calcium	44-1	29739	29519	29198	29485	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2204	1963	2187	2118	6.33	cps
Cobalt	59-2	77	70	77	74	5.17	cps
Copper	63-2	1790	1687	1620	1699	5.04	cps
Dysprosium	156-1	7	17	3	9	78.08	cps
Dysprosium	156-2	10	0	3	4	114.60	cps
Erbium	164-1	47	23	50	40	36.33	cps
Erbium	164-2	37	47	30	38	22.21	cps
Gadolinium	160-1	40	63	33	46	34.58	cps
Gadolinium	160-2	333	337	243	304	17.39	cps
Holmium	165-1	7064100	6956508	6955574	6992061	0.89	cps
Holmium	165-2	5755577	5592512	5579588	5642559	1.74	cps
Indium	115-1	6166225	6169583	6178957	6171588	0.11	cps
Indium	115-2	2575692	2547562	2564197	2562484	0.55	cps
Iron	56-2	23989	23041	23495	23509	2.02	cps
Iron	57-2	1313	1430	1410	1385	4.51	cps
Iron	54-2	2720	2607	2727	2685	2.51	cps
Krypton	83-1	533	507	487	509	4.60	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:45:01	DataFile Name :	033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	633	577	667	626	7.27	cps
Lead	207-1	563	493	437	498	12.75	cps
Lead	208-1	2520	2343	2387	2417	3.81	cps
Lithium	6-1	668366	670565	666039	668323	0.34	cps
Magnesium	24-2	580	497	473	517	10.85	cps
Manganese	55-2	1077	857	933	956	11.69	cps
Molybdenum	94-1	303	450	407	387	19.49	cps
Molybdenum	95-1	397	367	360	374	5.22	cps
Molybdenum	96-1	473	397	387	419	11.32	cps
Molybdenum	97-1	313	233	263	270	14.97	cps
Molybdenum	98-1	697	597	543	612	12.71	cps
Neodymium	150-1	10	7	0	6	91.64	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	483	463	547	498	8.74	cps
Phosphorus	31-2	457	467	387	437	9.98	cps
Potassium	39-2	71356	70606	70362	70775	0.73	cps
Rhodium	103-1	6182086	6287707	6152242	6207345	1.15	cps
Rhodium	103-2	4137234	4146445	4156340	4146673	0.23	cps
Scandium	45-1	4100258	4027666	4095620	4074514	1.00	cps
Scandium	45-2	345531	343805	348598	345978	0.70	cps
Selenium	82-1	138	100	117	118	16.41	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	527	493	510	510	3.27	cps
Silicon	28-1	656662	628538	632352	639184	2.39	cps
Silver	107-1	100	173	140	138	26.65	cps
Silver	109-1	117	100	93	103	11.63	cps
Sodium	23-2	35387	34335	34218	34647	1.86	cps
Strontium	86-1	877	803	797	826	5.38	cps
Strontium	88-1	173	137	130	147	15.91	cps
Sulfur	34-1	178941	181926	182421	181096	1.04	cps
Terbium	159-1	7188530	7108183	7224150	7173621	0.83	cps
Terbium	159-2	5702838	5675480	5558330	5645549	1.36	cps
Thallium	203-1	317	330	220	289	20.78	cps
Thallium	205-1	750	767	760	759	1.11	cps
Tin	118-1	1177	1143	1167	1162	1.47	cps
Titanium	47-1	93	87	107	96	10.66	cps

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 12:45:01	DataFile Name :	033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	37	70	50	52	32.12	cps
Vanadium	51-2	33	23	17	24	34.31	cps
Yttrium	89-1	9608301	9457458	9496860	9520873	0.82	cps
Yttrium	89-2	2812079	2918987	2907201	2879422	2.04	cps
Zinc	66-2	687	650	637	658	3.94	cps
Zirconium	90-1	530	510	583	541	7.01	cps
Zirconium	91-1	160	120	133	138	14.78	cps

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168860

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 07/15/2025 **Time :** 08:35 **Temp :** 94 °C

End Digest Date: 07/15/2025 **Time :** 10:35 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86378
CCV	30mL	MP86380
CRA	30mL	MP86382
Blank Spike	0.48mL	MP86371
Matrix Spike	0.48mL	MP86371

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86372
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86373
2.5 ppb	S2.5	30mL	MP86374
5.0 ppb	S5.0	30mL	MP86375
7.5 ppb	S7.5	30mL	MP86376
10.0 ppb	S10.0	30mL	MP86377
ICV	ICV	30mL	MP86378
ICB	ICB	30mL	MP86379
CCV	CCV	30mL	MP86380
CCB	CCB	30mL	MP86381
CRI	CRI	30mL	MP86382
CHK STD	CHK STD	30mL	MP86383

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/15/25 @ 11:45	MB- Dig. Lab	MB- Mercury Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168860

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168860BL	PBW860	30	30	<2	N/A	3-2
PB168860BS	LCS860	30	30	<2	MP86371	23
PB168860TB	~~LEB860~~ PB168838TB 3/19/25	30	30	<2	N/A	24
Q2555-02DUP	OU4-TS-29-070925DUP	30	30	<2	N/A	26
Q2555-02MS	OU4-TS-29-070925MS	30	30	<2	MP86371	27
Q2555-02MSD	OU4-TS-29-070925MSD	30	30	<2	MP86371	28
Q2555-02	OU4-TS-29-070925	30	30	<2	N/A	25
Q2555-04	OU4-TS-30-070925	30	30	<2	N/A	29
Q2558-02	OU4-TS-DENALI-070925	30	30	<2	N/A	30
Q2558-04	OU4-TS-GRILLO-OG-070925	30	30	<2	N/A	31

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168838

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 07/14/2025 **Time :** 14:00

End Prep Date : 07/15/2025 **Time :** 07:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JP

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	WP112802	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
N/A	N/A	N/A
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. q2555-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/15/25 09:30	JP 100 Room	SHG. IMC DIY
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168856

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #5 2. N/A

Start Digest Date: 07/15/2025 **Time :** 12:32 **Temp :** 96 °C

End Digest Date: 07/15/2025 **Time :** 14:35 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLB.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP86169
Spike Sol 2	1.00	MP86170
Spike Sol 3	1.00	MP86171
Spike Sol 4	1.00	MP86172
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C
MP86171,MP86172,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/15/25 15:35	SLB, met.dig	[illegible]
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168856BL	PBW856	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	10
PB168856BS	LCS856	<2	50	50	Colorless	Colorless	Clear	Clear	MP86169,MP86170,X*	11
PB168856TB	LEB856	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	N/A
Q2555-02MS	OU4-TS-29-070925MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86169,MP86170,X*	14
Q2555-02MSD	OU4-TS-29-070925MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86169,MP86170,X*	15
Q2555-02DUP	OU4-TS-29-070925DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	13
Q2555-02	OU4-TS-29-070925	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	12
Q2555-04	OU4-TS-30-070925	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	16
Q2558-02	OU4-TS-DENALI-070925	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	17
Q2558-04	OU4-TS-GRILLO-OG-070925	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	18

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168838

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pc
PB168838TB	LEB838	05	N/A	2000	N/A	N/A	N/A	4.24	1.0	T-1
Q2555-02	OU4-TS-29-070925	01	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2555-04	OU4-TS-30-070925	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2558-02	OU4-TS-Denali-070925	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2558-04	OU4-TS-Grillo-OG-070925	04	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-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 # LB136476

Review By	MOHAN	Review On	7/17/2025 1:46:12 PM
Supervise By	jaswal	Supervise On	7/17/2025 10:58:46 PM

STD. NAME	STD REF.#
ICAL Standard	MP86372,MP86373,MP86374,MP86375,MP86376,MP86377
ICV Standard	MP86378
CCV Standard	MP86380
ICSA Standard	
CRI Standard	MP86382
LCS Standard	
Chk Standard	MP86379,MP86381,MP86383,MP86385

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/15/25 11:46		MOHAN	OK
2	S0.2	S0.2	CAL2	07/15/25 11:49		MOHAN	OK
3	S2.5	S2.5	CAL3	07/15/25 11:51		MOHAN	OK
4	S5	S5	CAL4	07/15/25 11:53		MOHAN	OK
5	S7.5	S7.5	CAL5	07/15/25 11:56		MOHAN	OK
6	S10	S10	CAL6	07/15/25 12:03		MOHAN	OK
7	ICV27	ICV27	ICV	07/15/25 12:06		MOHAN	OK
8	ICB27	ICB27	ICB	07/15/25 12:08		MOHAN	OK
9	CCV01	CCV01	CCV	07/15/25 12:11		MOHAN	OK
10	CCB01	CCB01	CCB	07/15/25 12:13		MOHAN	OK
11	CRA	CRA	CRDL	07/15/25 12:21		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/15/25 12:23		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/15/25 12:25		MOHAN	OK
14	PB168849BL	PB168849BL	MB	07/15/25 12:32		MOHAN	OK
15	PB168849BS	PB168849BS	LCS	07/15/25 12:35		MOHAN	OK
16	Q2561-07	AUD-25-0117	SAM	07/15/25 12:37		MOHAN	OK
17	Q2565-06	MOO-25-0194-0195	SAM	07/15/25 12:39		MOHAN	OK
18	Q2565-07	MOO-25-0191	SAM	07/15/25 12:42		MOHAN	OK

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

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136476

Review By	MOHAN	Review On	7/17/2025 1:46:12 PM
Supervise By	jaswal	Supervise On	7/17/2025 10:58:46 PM

STD. NAME	STD REF.#
ICAL Standard	MP86372,MP86373,MP86374,MP86375,MP86376,MP86377
ICV Standard	MP86378
CCV Standard	MP86380
ICSA Standard	
CRI Standard	MP86382
LCS Standard	
Chk Standard	MP86379,MP86381,MP86383,MP86385

19	Q2565-08	MOO-25-0196	SAM	07/15/25 12:44		MOHAN	OK
20	Q2565-09	MOO-25-0180	SAM	07/15/25 12:46		MOHAN	OK
21	CCV02	CCV02	CCV	07/15/25 12:48		MOHAN	OK
22	CCB02	CCB02	CCB	07/15/25 12:51		MOHAN	OK
23	Q2571-04	TP-18	SAM	07/15/25 12:53		MOHAN	OK
24	Q2571-08	TP-17	SAM	07/15/25 12:55		MOHAN	OK
25	Q2578-03	WC-A5-01-C	SAM	07/15/25 12:57		MOHAN	OK
26	Q2578-07	WC-A2-09-C	SAM	07/15/25 13:00		MOHAN	OK
27	Q2578-11	WC-A2-10-C	SAM	07/15/25 13:02		MOHAN	OK
28	Q2578-15	WC-A2-11-C	SAM	07/15/25 13:04		MOHAN	OK
29	Q2578-19	WC-A2-12-C	SAM	07/15/25 13:07		MOHAN	OK
30	Q2579-03	WC-A2-13-C	SAM	07/15/25 13:09		MOHAN	OK
31	Q2579-07	WC-A2-14-C	SAM	07/15/25 13:11		MOHAN	OK
32	Q2586-04	TP-16	SAM	07/15/25 13:13		MOHAN	OK
33	CCV03	CCV03	CCV	07/15/25 13:16		MOHAN	OK
34	CCB03	CCB03	CCB	07/15/25 13:18		MOHAN	OK
35	Q2586-04DUP	TP-16DUP	DUP	07/15/25 13:20		MOHAN	OK
36	Q2586-04MS	TP-16MS	MS	07/15/25 13:22		MOHAN	OK
37	Q2586-04MSD	TP-16MSD	MSD	07/15/25 13:25		MOHAN	OK
38	PB168860BL	PB168860BL	MB	07/15/25 13:27		MOHAN	OK

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

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136476

Review By	MOHAN	Review On	7/17/2025 1:46:12 PM
Supervise By	jaswal	Supervise On	7/17/2025 10:58:46 PM

STD. NAME	STD REF.#
ICAL Standard	MP86372,MP86373,MP86374,MP86375,MP86376,MP86377
ICV Standard	MP86378
CCV Standard	MP86380
ICSA Standard	
CRI Standard	MP86382
LCS Standard	
Chk Standard	MP86379,MP86381,MP86383,MP86385

39	PB168860BS	PB168860BS	LCS	07/15/25 13:32		MOHAN	OK
40	Q2555-02	OU4-TS-29-070925	SAM	07/15/25 13:34		MOHAN	OK
41	Q2555-02DUP	OU4-TS-29-070925DU	DUP	07/15/25 13:39		MOHAN	OK
42	Q2555-02MS	OU4-TS-29-070925MS	MS	07/15/25 13:47		MOHAN	OK
43	Q2555-02MSD	OU4-TS-29-070925MS	MSD	07/15/25 13:49		MOHAN	OK
44	Q2555-04	OU4-TS-30-070925	SAM	07/15/25 13:50		MOHAN	OK
45	CCV04	CCV04	CCV	07/15/25 13:53		MOHAN	OK
46	CCB04	CCB04	CCB	07/15/25 13:58		MOHAN	OK
47	Q2558-02	OU4-TS-Denali-07092	SAM	07/15/25 14:00		MOHAN	OK
48	Q2558-04	OU4-TS-Grillo-OG-07	SAM	07/15/25 14:03		MOHAN	OK
49	PB168803TB	PB168803TB	MB	07/15/25 14:09		MOHAN	OK
50	PB168860TB	PB168860TB	MB	07/15/25 14:11		MOHAN	OK
51	Q2586-04L	TP-16L	SD	07/15/25 14:13		MOHAN	OK
52	Q2586-04A	TP-16A	PS	07/15/25 14:16		MOHAN	OK
53	Q2555-02L	OU4-TS-29-070925L	SD	07/15/25 14:18		MOHAN	OK
54	Q2555-02A	OU4-TS-29-070925A	PS	07/15/25 14:20		MOHAN	OK
55	CCV05	CCV05	CCV	07/15/25 14:22		MOHAN	OK
56	CCB05	CCB05	CCB	07/15/25 14:27		MOHAN	OK

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136512

Review By	Janvi	Review On	7/17/2025 1:50:29 PM
Supervise By	jaswal	Supervise On	7/18/2025 9:13:11 AM

STD. NAME	STD REF.#
ICAL Standard	MP86136,MP861437,MP86149,MP86151,MP86153,MP86155,MP86157,MP86160,MP86161
ICV Standard	MP86162
CCV Standard	MP86163
ICSA Standard	MP86164,MP86165
CRI Standard	MP86160
LCS Standard	
Chk Standard	MP86167,MP86168

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	07/16/25 09:47		Jaswal	OK
2	S0	S0	CAL1	07/16/25 10:55		Jaswal	OK
3	S2	S2	CAL3	07/16/25 10:58		Jaswal	OK
4	S3	S3	CAL4	07/16/25 11:05		Jaswal	OK
5	S4	S4	CAL5	07/16/25 11:08		Jaswal	OK
6	S5	S5	CAL6	07/16/25 11:11		Jaswal	OK
7	S6	S6	CAL7	07/16/25 11:14		Jaswal	OK
8	S7	S7	CAL8	07/16/25 11:17		Jaswal	OK
9	S8	S8	CAL9	07/16/25 11:20		Jaswal	OK
10	ICV01	ICV01	ICV	07/16/25 11:30		Jaswal	OK
11	LLICV01	LLICV01	LLICV	07/16/25 11:40		Jaswal	OK
12	ICB01	ICB01	ICB	07/16/25 11:47		Jaswal	OK
13	ICSA01	ICSA01	ICSA	07/16/25 12:21		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	07/16/25 12:28		Jaswal	OK
15	CCV01	CCV01	CCV	07/16/25 12:51		Jaswal	OK
16	CCB01	CCB01	CCB	07/16/25 12:59		Jaswal	OK
17	CRI	CRI	CRDL	07/16/25 13:02		Jaswal	OK
18	Q2535-02DL	70125-LIQDL	SAM	07/16/25 13:06	Fe,Mn High	Jaswal	Dilution

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136512

Review By	Janvi	Review On	7/17/2025 1:50:29 PM
Supervise By	jaswal	Supervise On	7/18/2025 9:13:11 AM

STD. NAME	STD REF.#
ICAL Standard	MP86136,MP861437,MP86149,MP86151,MP86153,MP86155,MP86157,MP86160,MP86161
ICV Standard	MP86162
CCV Standard	MP86163
ICSA Standard	MP86164,MP86165
CRI Standard	MP86160
LCS Standard	
Chk Standard	MP86167,MP86168

19	Q2551-01	293	SAM	07/16/25 13:09	K,Na High	Jaswal	Dilution
20	Q2550-01DL	3326DL	SAM	07/16/25 13:12		Jaswal	OK
21	Q2550-01DUPDL	3326DUPDL	DUP	07/16/25 13:15		Jaswal	OK
22	Q2550-01LDL	3326LDL	SD	07/16/25 13:18		Jaswal	OK
23	Q2550-01MSDL	3326MSDL	MS	07/16/25 13:22		Jaswal	OK
24	Q2550-01MSDDL	3326MSDDL	MSD	07/16/25 13:25		Jaswal	OK
25	Q2550-01ADL	3326ADL	PS	07/16/25 13:28		Jaswal	OK
26	Q2535-02DL2	70125-LIQDL2	SAM	07/16/25 13:37	25X For Fe,Mn	Jaswal	Confirms
27	CCV02	CCV02	CCV	07/16/25 13:41		Jaswal	OK
28	CCB02	CCB02	CCB	07/16/25 13:47		Jaswal	OK
29	PB168792BL	PB168792BL	MB	07/16/25 13:50		Jaswal	OK
30	PB168792BS	PB168792BS	LCS	07/16/25 13:53		Jaswal	OK
31	Q2551-01DL	293DL	SAM	07/16/25 13:56	5X For K,Na	Jaswal	Confirms
32	PB168807BL	PB168807BL	MB	07/16/25 14:03		Jaswal	OK
33	PB168807BS	PB168807BS	LCS	07/16/25 14:07		Jaswal	OK
34	Q2562-01	17 BANK	SAM	07/16/25 14:10		Jaswal	OK
35	Q2562-02	SUPPLY	SAM	07/16/25 14:13	INT_STD 45Sc(2) Fail	Jaswal	Dilution
36	Q2562-02DUP	SUPPLYDUP	DUP	07/16/25 14:16	INT_STD 45Sc(2) Fail	Jaswal	Dilution
37	Q2562-02L	SUPPLYL	SD	07/16/25 14:19	INT_STD 45Sc(2) Fail	Jaswal	Dilution
38	Q2562-02MS	SUPPLYMS	MS	07/16/25 14:22	INT_STD 45Sc(2) Fail	Jaswal	Dilution

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136512

Review By	Janvi	Review On	7/17/2025 1:50:29 PM
Supervise By	jaswal	Supervise On	7/18/2025 9:13:11 AM

STD. NAME	STD REF.#
ICAL Standard	MP86136,MP861437,MP86149,MP86151,MP86153,MP86155,MP86157,MP86160,MP86161
ICV Standard	MP86162
CCV Standard	MP86163
ICSA Standard	MP86164,MP86165
CRI Standard	MP86160
LCS Standard	
Chk Standard	MP86167,MP86168

39	CCV03	CCV03	CCV	07/16/25 14:40		Jaswal	OK
40	CCB03	CCB03	CCB	07/16/25 14:50		Jaswal	OK
41	Q2562-02MSRE	SUPPLYMS	MS	07/16/25 14:54	Not Use	Jaswal	Not Ok
42	Q2562-02MSD	SUPPLYMSD	MSD	07/16/25 15:00	INT_STD 45Sc(2) Fail	Jaswal	Dilution
43	Q2562-02A	SUPPLYA	PS	07/16/25 15:03		Jaswal	OK
44	Q2562-03	MW25	SAM	07/16/25 15:06	Na High	Jaswal	Dilution
45	Q2562-04	MW1	SAM	07/16/25 15:09		Jaswal	OK
46	Q2562-02DL	SUPPLYDL	SAM	07/16/25 15:16	5X For INT_STD 45Sc(2)	Jaswal	Confirms
47	Q2562-02DUPDL	SUPPLYDUPDL	DUP	07/16/25 15:19	5X For INT_STD 45Sc(2)	Jaswal	Confirms
48	Q2562-02LDL	SUPPLYLDL	SD	07/16/25 15:23	5X For INT_STD 45Sc(2)	Jaswal	Confirms
49	Q2562-02MSDL	SUPPLYMSDL	MS	07/16/25 15:26	5X For INT_STD 45Sc(2)	Jaswal	Confirms
50	Q2562-02MSDDL	SUPPLYMSDDL	MSD	07/16/25 15:29	5X For INT_STD 45Sc(2)	Jaswal	Confirms
51	CCV04	CCV04	CCV	07/16/25 15:45		Jaswal	OK
52	CCB04	CCB04	CCB	07/16/25 15:54		Jaswal	OK
53	Q2562-02ADL	SUPPLYADL	PS	07/16/25 15:58	Not Required	Jaswal	Not Ok
54	Q2562-03DL	MW25DL	SAM	07/16/25 16:01	10X For Na	Jaswal	Confirms
55	PB168856BL	PB168856BL	MB	07/16/25 16:14		Jaswal	OK
56	PB168856BS	PB168856BS	LCS	07/16/25 16:18		Jaswal	OK
57	Q2555-02LDL	OU4-TS-29-070925LD	SD	07/16/25 16:27	INT_STD 89Y(1&2) Fail	Jaswal	Dilution
58	Q2555-02MSDL	OU4-TS-29-070925MS	MS	07/16/25 16:30	INT_STD 89Y(1&2) Fail	Jaswal	Dilution

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136512

Review By	Janvi	Review On	7/17/2025 1:50:29 PM
Supervise By	jaswal	Supervise On	7/18/2025 9:13:11 AM

STD. NAME	STD REF.#
ICAL Standard	MP86136,MP861437,MP86149,MP86151,MP86153,MP86155,MP86157,MP86160,MP86161
ICV Standard	MP86162
CCV Standard	MP86163
ICSA Standard	MP86164,MP86165
CRI Standard	MP86160
LCS Standard	
Chk Standard	MP86167,MP86168

59	Q2555-02MSDDL	OU4-TS-29-070925M	MSD	07/16/25 16:33	INT_STD 89Y(1&2) Fail	Jaswal	Dilution
60	Q2555-02ADL	OU4-TS-29-070925AD	PS	07/16/25 16:36		Jaswal	OK
61	Q2555-02DUPDL	OU4-TS-29-070925DU	DUP	07/16/25 16:42	INT_STD 89Y(1&2) Fail	Jaswal	Dilution
62	Q2555-02DL	OU4-TS-29-070925DL	SAM	07/16/25 16:46	INT_STD 89Y(1&2) Fail	Jaswal	Dilution
63	CCV05	CCV05	CCV	07/16/25 17:02		Jaswal	OK
64	CCB05	CCB05	CCB	07/16/25 17:08		Jaswal	OK
65	PB168856TB	PB168856TB	MB	07/16/25 17:16		Jaswal	OK
66	Q2555-04DL	OU4-TS-30-070925DL	SAM	07/16/25 17:19	INT_STD 89Y(1&2) Fail	Jaswal	Dilution
67	Q2558-02DL	OU4-TS-Denali-07092	SAM	07/16/25 17:22	INT_STD 89Y(1) Fail	Jaswal	Dilution
68	Q2558-04DL	OU4-TS-Grillo-OG-07	SAM	07/16/25 17:25		Jaswal	OK
69	Q2555-04DL2	OU4-TS-30-070925DL	SAM	07/16/25 17:34	Not Required	Jaswal	Not Ok
70	CCV06	CCV06	CCV	07/16/25 17:57		Jaswal	OK
71	CCB06	CCB06	CCB	07/16/25 18:05		Jaswal	OK

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136601

Review By	jaswal	Review On	7/24/2025 2:38:05 PM
Supervise By	Janvi	Supervise On	7/24/2025 2:40:05 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	07/24/25 09:46		Jaswal	OK
2	S0	S0	CAL1	07/24/25 10:42		Jaswal	OK
3	S2	S2	CAL3	07/24/25 10:49		Jaswal	OK
4	S3	S3	CAL4	07/24/25 10:52		Jaswal	OK
5	S4	S4	CAL5	07/24/25 10:55		Jaswal	OK
6	S5	S5	CAL6	07/24/25 10:58		Jaswal	OK
7	S6	S6	CAL7	07/24/25 11:01		Jaswal	OK
8	S7	S7	CAL8	07/24/25 11:04		Jaswal	OK
9	S8	S8	CAL9	07/24/25 11:07		Jaswal	OK
10	ICV01	ICV01	ICV	07/24/25 11:25		Jaswal	OK
11	LLICV01	LLICV01	LLICV	07/24/25 11:34		Jaswal	OK
12	ICB01	ICB01	ICB	07/24/25 11:38		Jaswal	OK
13	ICSA01	ICSA01	ICSA	07/24/25 11:41		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	07/24/25 11:49		Jaswal	OK
15	CCV01	CCV01	CCV	07/24/25 11:52		Jaswal	OK
16	CCB01	CCB01	CCB	07/24/25 11:57		Jaswal	OK
17	CRI	CRI	CRDL	07/24/25 12:01		Jaswal	OK
18	Q2555-02DL2	OU4-TS-29-070925DL	SAM	07/24/25 12:04	100X for intstd89Y(1)(2)	Jaswal	Confirms

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136601

Review By	jaswal	Review On	7/24/2025 2:38:05 PM
Supervise By	Janvi	Supervise On	7/24/2025 2:40:05 PM

STD. NAME	STD REF.#
ICAL Standard	MP86441,MP86469,MP86468,MP86451,MP86450,MP86449,MP86448,MP86447,MP86446
ICV Standard	MP86500,MP86468
CCV Standard	MP86470
ICSA Standard	MP86496,MP86497
CRI Standard	MP86468
LCS Standard	
Chk Standard	MP86472,MP86473

19	Q2555-02DUPDL2	OU4-TS-29-070925DU	DUP	07/24/25 12:07	100X for intstd89Y(1)(2)	Jaswal	Confirms
20	Q2555-02LDL2	OU4-TS-29-070925LD	SD	07/24/25 12:11	100X for intstd89Y(1)(2)	Jaswal	Confirms
21	Q2555-02MSDL2	OU4-TS-29-070925MS	MS	07/24/25 12:14	100X for intstd89Y(1)(2)	Jaswal	Confirms
22	Q2555-02MSDDL2	OU4-TS-29-070925MS	MSD	07/24/25 12:17	100X for intstd89Y(1)(2)	Jaswal	Confirms
23	Q2555-02ADL2	OU4-TS-29-070925AD	PS	07/24/25 12:20		Jaswal	Not Ok
24	Q2555-04DL2	OU4-TS-30-070925DL	SAM	07/24/25 12:24	50X for intstd89Y(1)(2)	Jaswal	Confirms
25	Q2638-02DL	OU4-TS-31-071725DL	SAM	07/24/25 12:31		Jaswal	Confirms
26	Q2638-03DL	OU4-TS-32-071725DL	SAM	07/24/25 12:34		Jaswal	Confirms
27	CCV02	CCV02	CCV	07/24/25 12:39		Jaswal	OK
28	CCB02	CCB02	CCB	07/24/25 12:45		Jaswal	OK

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168838

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 07/14/2025 **Time :** 14:00

End Prep Date : 07/15/2025 **Time :** 07:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 18

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	WP112802	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
N/A	N/A	N/A
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. q2555-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/15/25 09:30	JP 100 Room	SLG. Met Dig
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168838

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168838TB	LEB838	05	N/A	2000	N/A	N/A	N/A	4.24	1.0	T-1
Q2555-02	OU4-TS-29-070925	01	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2555-04	OU4-TS-30-070925	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2558-02	OU4-TS-Denali-070925	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2558-04	OU4-TS-Grillo-OG-070925	04	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168838TB	LEB838	N/A	N/A	N/A	N/A	N/A	N/A
Q2555-02	OU4-TS-29-070925	N/A	N/A	N/A	N/A	100	N/A
Q2555-04	OU4-TS-30-070925	N/A	N/A	N/A	N/A	100	N/A
Q2558-02	OU4-TS-Denali-070925	N/A	N/A	N/A	N/A	100	N/A
Q2558-04	OU4-TS-Grillo-OG-070925	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB168838

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB168838TB	LEB838	N/A	N/A	N/A	N/A	#1	4.24
Q2555-02	OU4-TS-29-070925	N/A	N/A	N/A	N/A	#1	4.24
Q2555-04	OU4-TS-30-070925	N/A	N/A	N/A	N/A	#1	4.24
Q2558-02	OU4-TS-Denali-070925	N/A	N/A	N/A	N/A	#1	4.24
Q2558-04	OU4-TS-Grillo-OG-070925	N/A	N/A	N/A	N/A	#1	4.24

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

Prep Standard - Chemical Standard Summary

Order ID : Q2555

Test : SPLP Mercury,SPLP MetalGroup3

Prepbatch ID : PB168856,PB168860,

Sequence ID/Qc Batch ID: LB136476,LB136512,LB136601,

Standard ID :
MP85156,MP85892,MP85893,MP85894,MP85895,MP86136,MP861437,MP86149,MP86151,MP86153,MP86155,MP86157,MP86159,MP86160,MP86161,MP86162,MP86163,MP86164,MP86165,MP86166,MP86167,MP86168,MP86169,MP86170,MP86171,MP86172,MP86371,MP86372,MP86373,MP86374,MP86375,MP86376,MP86377,MP86378,MP86379,MP86380,MP86381,MP86382,MP86383,MP86385,MP86441,MP86446,MP86447,MP86448,MP86449,MP86450,MP86451,MP86466,MP86468,MP86469,MP86470,MP86471,MP86472,MP86473,MP86496,MP86497,MP86500,

Chemical ID :
M4371,M4465,M4916,M5062,M5305,M5471,M5519,M5520,M5658,M5697,M5739,M5751,M5798,M5799,M5800,M5801,M5805,M5811,M5815,M5817,M5873,M5874,M5882,M5884,M5942,M5960,M5961,M5962,M5977,M5981,M6021,M6023,M6025,M6026,M6028,M6030,M6032,M6041,M6055,M6079,M6086,M6127,M6128,M6137,M6142,M6144,M6145,M6150,M6151,M6153,M6158,M6159,M6160,M6161,M6162,M6163,M6164,M6165,W3112,

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP85156	04/07/2025	08/18/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 04/07/2025

FROM 1250.00000ml of M6151 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3965	2:1 H2SO4 : HNO3	MP85892	06/05/2025	11/27/2025	Mohan Bera	None	None	Sarabjit Jaswal 06/14/2025

FROM 1600.00000ml of M6041 + 800.00000ml of M6162 = Final Quantity: 3200.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
65	POTASSIUM PERMANGANATE SOLUTION 5 %	MP85893	06/05/2025	12/05/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 06/14/2025

FROM 100.00000gram of M4916 + 2000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
66	POTASSIUM PERSULFATE SOLUTION 5 %	MP85894	06/05/2025	08/06/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 06/14/2025

FROM 100.00000ml of M4465 + 2000.00000ml of W3112 = Final Quantity: 2000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
67	SODIUM CHLORIDE - HYDROXYL- CHLORIDE SOLUTION	MP85895	06/05/2025	08/08/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 06/14/2025

FROM 2000.00000ml of W3112 + 240.00000gram of M4371 + 240.00000gram of M5884 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP86136	06/20/2025	07/18/2025	Janvi Patel	None	None	Sarabjit Jaswal 06/26/2025

FROM 25.00000ml of M6151 + 4925.00000ml of W3112 + 50.00000ml of M6162 = Final Quantity: 5000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP86149	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 0.10000ml of M6153 + 0.40000ml of M6026 + 1.00000ml of M5799 + 1.00000ml of M5981 + 1.00000ml of M6079 + 1.00000ml of M6137 + 1.90000ml of M6159 + 10.00000ml of M5942 + 10.00000ml of M5977 + 10.00000ml of M6162 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6032 + 4.90000ml of M5520 + 4.90000ml of M5811 + 5.00000ml of M6151 + 50.00000ml of M5305 + 834.10000ml of W3112 + 9.00000ml of M5751 + 9.00000ml of M6128 + 9.00000ml of M6145 + 9.90000ml of M6086 + 9.90000ml of M6127 + 9.90000ml of M6144 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3948	S6(SFAM,6020,200.8)	MP86151	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 48.50000ml of W3112 + 50.00000ml of MP86149 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP86153	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 06/26/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 73.50000ml of W3112 + 25.00000ml of MP86149 = 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)	MP86155	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 06/26/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 86.00000ml of W3112 + 12.50000ml of MP86149 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP86157	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 06/26/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 88.50000ml of W3112 + 10.00000ml of MP86151 = 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)	MP86159	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 06/26/2025

FROM 0.00500ml of M6153 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.05000ml of M6079 + 0.05000ml of M6128 + 0.10000ml of M5658 + 0.10000ml of M5751 + 0.10000ml of M6159 + 0.10000ml of M6160 + 0.25000ml of M5799 + 0.25000ml of M5811 + 0.25000ml of M5942 + 0.25000ml of M5962 + 0.25000ml of M5977 + 0.25000ml of M6021 + 0.25000ml of M6145 + 0.50000ml of M6032 + 0.50000ml of M6137 + 1.25000ml of M5815 + 1.25000ml of M5817 + 1.25000ml of M6151 + 2.50000ml of M5520 + 2.50000ml of M6086 + 2.50000ml of M6127 + 2.50000ml of M6144 + 2.50000ml of M6162 + 230.04500ml of W3112 = Final Quantity: 250.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP86160	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 98.00000ml of W3112 + 0.50000ml of MP86159 = 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)	MP86161	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 88.50000ml of W3112 + 10.00000ml of MP86160 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3959	ICV(6020,200.8)	MP86162	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 2.00000ml of M6150 + 98.00000ml of MP86136 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP86163	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 0.20000ml of M6026 + 0.50000ml of M5471 + 0.50000ml of M5799 + 0.50000ml of M5981 + 0.50000ml of M6079 + 0.50000ml of M6137 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6162 + 12.45000ml of M5519 + 12.45000ml of M5811 + 2.00000ml of M6032 + 24.95000ml of M6086 + 24.95000ml of M6127 + 24.95000ml of M6144 + 25.00000ml of M5305 + 4.50000ml of M5751 + 4.50000ml of M6128 + 4.50000ml of M6145 + 4.95000ml of M6159 + 5.00000ml of M6151 + 5.50000ml of M5942 + 5.50000ml of M5977 + 824.10000ml of W3112 = Final Quantity: 1000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP86164	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_10 (MET-DESP#04)	Sarabjit Jaswal 06/26/2025

FROM 10.00000ml of M5873 + 80.00000ml of MP86136 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP86165	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_10 (MET-DESP#04)	Sarabjit Jaswal 06/26/2025

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP86136 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP86166	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 0.01000ml of M6127 + 9.99000ml of MP86136 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3894	TUNE 200PPB	MP86167	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 2.00000ml of M6055 + 2.00000ml of MP86166 + 96.00000ml of MP86136 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP86168	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 5.00000ml of M6162 + 75.00000ml of M5739 + 170.00000ml of MP86136 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3880	M&B SPIKE-1	MP86169	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 5.00000ml of M5471 + 5.00000ml of M5658 + 5.00000ml of M5798 + 5.00000ml of M5800 + 5.00000ml of M5960 + 5.00000ml of M5962 + 5.00000ml of M5981 + 5.00000ml of M6021 + 5.00000ml of M6023 + 5.00000ml of M6028 + 5.00000ml of M6030 + 5.00000ml of M6079 + 5.00000ml of M6160 + 35.00000ml of MP86136 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3881	M&B SPIKE-2	MP86170	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 10.00000ml of M5942 + 10.00000ml of M5977 + 12.50000ml of M5520 + 12.50000ml of M5811 + 12.50000ml of M6032 + 2.50000ml of M5799 + 2.50000ml of M6137 + 5.00000ml of M6159 + 32.50000ml of MP86136 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3882	M&B SPIKE-3	MP86171	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 06/26/2025

FROM 0.62500ml of M6026 + 12.50000ml of M5697 + 12.50000ml of M6128 + 12.50000ml of M6145 + 11.87500ml of MP86136 = Final Quantity: 50.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3900	M&B SPIKE-4	MP86172	06/20/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICPA)	Sarabjit Jaswal 06/26/2025

FROM 6.25000ml of M6086 + 6.25000ml of M6127 + 6.25000ml of M6144 + 6.25000ml of MP86136 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP86371	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 1.00000ml of M6162 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1340	Hg 0.00 PPB STD	MP86372	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1341	Hg 0.2 PPB STD	MP86373	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 247.30000ml of W3112 + 0.20000ml of MP86371 = Final Quantity: 250.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1342	Hg 2.5 PPB STD	MP86374	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 245.00000ml of W3112 + 2.50000ml of MP86371 = 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	MP86375	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 242.50000ml of W3112 + 5.00000ml of MP86371 = Final Quantity: 250.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1344	Hg 7.5 PPB STD	MP86376	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 240.00000ml of W3112 + 7.50000ml of MP86371 = 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	MP86377	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 237.50000ml of W3112 + 10.00000ml of MP86371 = Final Quantity: 250.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1346	Hg ICV SOLUTION	MP86378	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6161 + 2.50000ml of M6162 + 245.00000ml of W3112 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1351	ICB (Hg 0.00 PPB SOLUTION)	MP86379	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

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

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)	MP86380	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 485.00000ml of W3112 + 5.00000ml of M6162 + 10.00000ml of MP86371 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1352	CCB (Hg 0.00 PPB SOLUTION)	MP86381	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 495.00000ml of W3112 + 5.00000ml of M6162 = Final Quantity: 500.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1349	CRA/CRI (Hg 0.2 PPB SOLUTION)	MP86382	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 247.30000ml of W3112 + 0.20000ml of MP86371 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1350	CHK STD (Hg 7.0 PPB SOLUTION)	MP86383	07/15/2025	07/16/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/16/2025

FROM 2.50000ml of M6162 + 240.50000ml of W3112 + 7.00000ml of MP86371 = Final Quantity: 250.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
68	STANNOUS CHLORIDE SOLUTION	MP86385	07/15/2025	07/16/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 07/16/2025

FROM 450.00000ml of W3112 + 50.00000gram of M5882 + 50.00000ml of M6151 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP86441	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 25.00000ml of M6151 + 4925.00000ml of W3112 + 50.00000ml of M6162 = Final Quantity: 5000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP86446	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 1.00000ml of M6159 + 2.50000ml of M5811 + 2.50000ml of M6142 + 5.00000ml of M6086 + 5.00000ml of M6127 + 5.00000ml of M6144 + 79.00000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP86447	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.10000ml of M6153 + 0.40000ml of M6026 + 1.00000ml of M5799 + 1.00000ml of M5981 + 1.00000ml of M6079 + 1.00000ml of M6137 + 1.90000ml of M6159 + 10.00000ml of M5942 + 10.00000ml of M5977 + 10.00000ml of M6162 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6032 + 4.90000ml of M5520 + 4.90000ml of M5811 + 5.00000ml of M6151 + 50.00000ml of M5305 + 834.10000ml of W3112 + 9.00000ml of M5751 + 9.00000ml of M6128 + 9.00000ml of M6145 + 9.90000ml of M6086 + 9.90000ml of M6127 + 9.90000ml of M6144 = Final Quantity: 1000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3948	S6(SFAM,6020,200.8)	MP86448	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 48.50000ml of W3112 + 50.00000ml of MP86447 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP86449	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 73.50000ml of W3112 + 25.00000ml of MP86447 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3954	S4(SFAM,6020,200.8)	MP86450	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 86.00000ml of W3112 + 12.50000ml of MP86447 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP86451	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 88.50000ml of W3112 + 10.00000ml of MP86448 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3955	S2CONC(SFAM,6020,200.8)	MP86466	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.00000ml of M5471 + 0.00500ml of M6153 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5960 + 0.05000ml of M5981 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.05000ml of M6079 + 0.05000ml of M6128 + 0.10000ml of M5658 + 0.10000ml of M5751 + 0.10000ml of M6159 + 0.10000ml of M6160 + 0.25000ml of M5799 + 0.25000ml of M5811 + 0.25000ml of M5942 + 0.25000ml of M5962 + 0.25000ml of M5977 + 0.25000ml of M6021 + 0.25000ml of M6145 + 0.50000ml of M6032 + 0.50000ml of M6137 + 1.25000ml of M5815 + 1.25000ml of M5817 + 1.25000ml of M6151 + 2.50000ml of M5520 + 2.50000ml of M6086 + 2.50000ml of M6127 + 2.50000ml of M6144 + 2.50000ml of M6162 + 230.04500ml of W3112 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP86468	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 98.00000ml of W3112 + 0.50000ml of MP86466 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3957	S1(SFAM,6020,200.8)	MP86469	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.50000ml of M6151 + 1.00000ml of M6162 + 88.50000ml of W3112 + 10.00000ml of MP86468 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP86470	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.00000ml of M5805 + 0.20000ml of M6026 + 0.50000ml of M5471 + 0.50000ml of M5799 + 0.50000ml of M5981 + 0.50000ml of M6079 + 0.50000ml of M6137 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6162 + 12.45000ml of M5520 + 12.45000ml of M5811 + 2.00000ml of M6032 + 24.95000ml of M6086 + 24.95000ml of M6127 + 24.95000ml of M6144 + 25.00000ml of M5305 + 4.50000ml of M5751 + 4.50000ml of M6128 + 4.50000ml of M6145 + 4.95000ml of M6159 + 5.00000ml of M6151 + 5.50000ml of M5942 + 5.50000ml of M5977 + 824.10000ml of W3112 = Final Quantity: 1000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP86471	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 0.01000ml of M6127 + 9.99000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3894	TUNE 200PPB	MP86472	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 2.00000ml of M6055 + 2.00000ml of MP86471 + 96.00000ml of MP86441 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP86473	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 5.00000ml of M6162 + 75.00000ml of M5739 + 170.00000ml of MP86441 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP86496	07/18/2025	07/31/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 10.00000ml of M5873 + 90.00000ml of MP86441 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP86497	07/18/2025	07/31/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/24/2025

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4213	NEW ICV-6020B	MP86500	07/18/2025	08/08/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 07/24/2025

FROM 0.00800ml of M6163 + 0.00800ml of M6164 + 0.01600ml of M6165 + 49.96800ml of MP86441 = Final Quantity: 50.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-2196-01 / Hydroxylamine Hydrochloride, Crystal (cs/4x500g)	0000215387	06/25/2025	07/01/2019 / RICHARD	06/07/2019 / RICHARD	M4371

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3238-05 / Potassium Persulfate (2.5kg)	0000234156	08/06/2025	07/23/2019 / manojkumar	07/25/2019 / manojkumar	M4465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3227-05 / Potassium Permanganate (2.5kg)	210800	03/31/2026	11/30/2022 / mohan	07/28/2021 / mohan	M4916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	MSHG-10PPM / MERCURY HCl 125mL 10ug/mL	S2-HG709270	09/22/2026	05/28/2022 / mohan	01/27/2022 / mohan	M5062

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	03/07/2025 / JANVI	04/01/2022 / jaswal	M5305

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	082922	08/29/2025	04/14/2025 / jaswal	03/16/2023 / jaswal	M5471

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5520

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	122223	12/22/2026	04/17/2025 / Janvi	01/03/2024 / jaswal	M5805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	051523	05/15/2026	02/06/2025 / kareem	01/03/2024 / jaswal	M5811

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	07/31/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSB (ICPMS) STOCK SOLUTION	CP-MS ICSB-0803	07/31/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	06/18/2024 / Jaswal	02/22/2024 / Jaswal	M5942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/03/2024 / kareem	06/11/2024 / kareem	M5960

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	01/16/2025 / JANVI	02/22/2024 / Jaswal	M5977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57092 / U, 1000 PPM, 125 ml	060724	06/07/2027	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5981

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	110923	11/09/2026	12/05/2024 / janvi	08/05/2024 / Jaswal	M6026

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	010924	01/09/2027	01/14/2025 / Jaswal	08/05/2024 / Jaswal	M6032

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL	U2-MEB734294	06/21/2028	08/21/2024 / Jaswal	08/19/2024 / Jaswal	M6055

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	01/15/2025 / Jaswal	09/30/2024 / Jaswal	M6079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Calcium, 500 ml, 10000 PPM	082324	08/23/2027	03/06/2025 / JANVI	10/14/2024 / jaswal	M6086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	112124	11/21/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6127

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	101124	10/11/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSI1-1 / SILICON 125mL 1000ug/mL	V2-SI744713	07/10/2029	01/14/2025 / Jaswal	10/03/2024 / Jaswal	M6137

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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 #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV1-1014	07/07/2025	02/07/2025 / JANVI	04/20/2021 / JANVI	M6150

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSR10 / Strontium (SR), 125mL 10,000ppm	V2-SR754329	02/28/2026	02/28/2025 / JANVI	01/07/2025 / JANVI	M6153

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	03/25/2029	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	07/31/2025	05/01/2025 / mohan	03/30/2024 / mohan	M6161

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	05/22/2029	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	06/01/2028	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	01/02/2030	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	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

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	T142	Quality Test / Release Date	08/17/2023
Lot Number	232820		
Description	STANNOUS CHLORIDE, DIHYDRATE CERTIFIED ACS (Suitable for Mercury Determination)		
Country of Origin	United States	Suggested Retest Date	Aug/2028
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear crystals
ASSAY	%	Inclusive Between 98 - 103	100.65
CALCIUM	%	<= 0.005	0.0017
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	%	<= 0.003	0.0011
LEAD (Pb)	%	<= 0.01	0.0006
MERCURY (Hg)	ppm	<= 0.05	<0.05
POTASSIUM (K)	%	<= 0.005	0.0001
SODIUM (Na)	%	<= 0.01	<0.01
SOLUBILITY IN HCL	PASS/FAIL	= PASS TEST	PASS TEST
SULFATE (SO4)	PASS/FAIL	= P.T. (ABOUT 0.003%)	P.T. (ABOUT 0.003%)

Harout Sahagian - Quality Control Supervisor - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6032

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57056
Lot Number: 010924
Description: Barium (Ba)

Expiration Date: 010927
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
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	

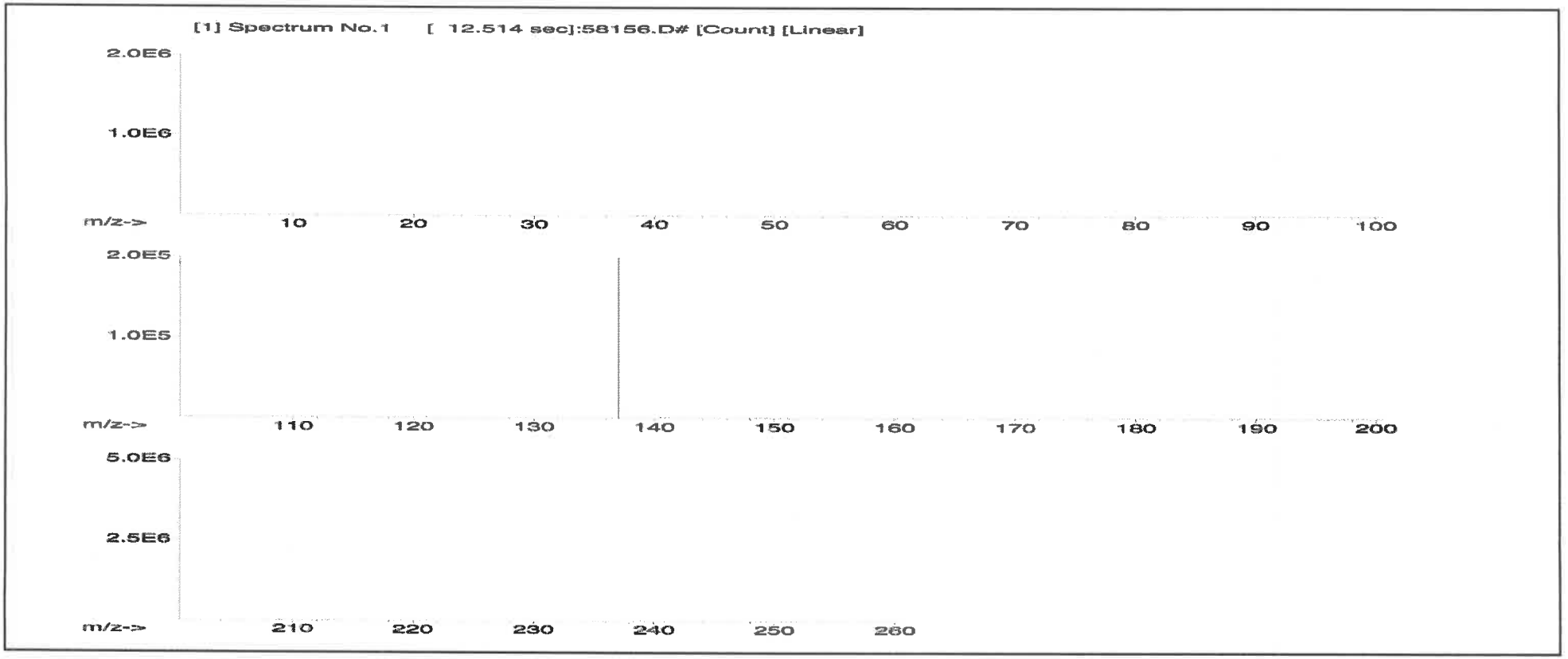
Giovanni Esposito

Formulated By: Giovanni Esposito 010924

Pedro Rentas

Reviewed By: Pedro L. Rentas 010924

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82441	**1000.1**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



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	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 01/03/24 M5804, M5805

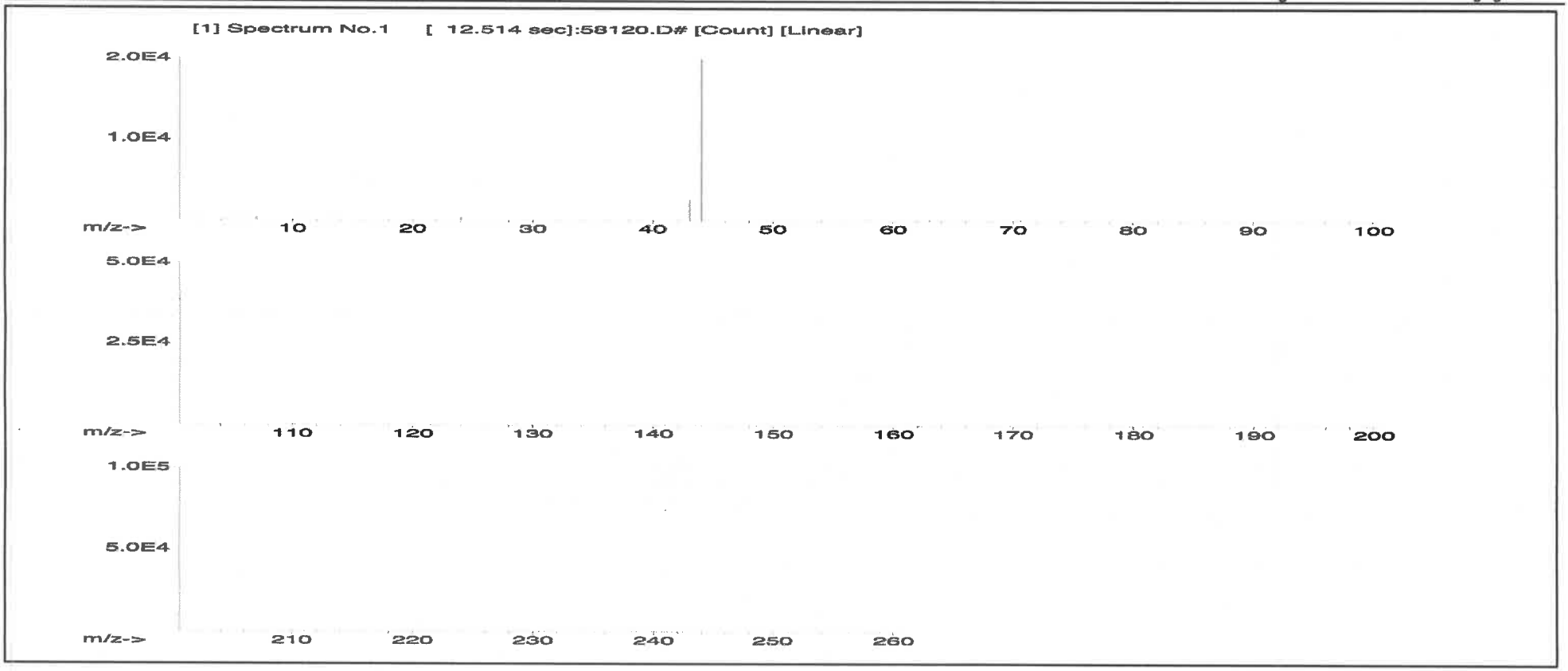
CERTIFIED WEIGHT REPORT:

Part Number:	**58120**		**Lot #**	
Lot Number:	**122223**	**Solvent:**	24002546	Nitric Acid
Description:	**Calcium (Ca)**	2%	80.0 (mL)	Nitric Acid
Expiration Date:	122226			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	122223
Reviewed By:	Pedro L. Rentas	122223

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD03202383	10000	99.999	0.10	39.9	100.2525	100.2670	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



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	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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revd 10/14/2024 MG085/MG086/MG087

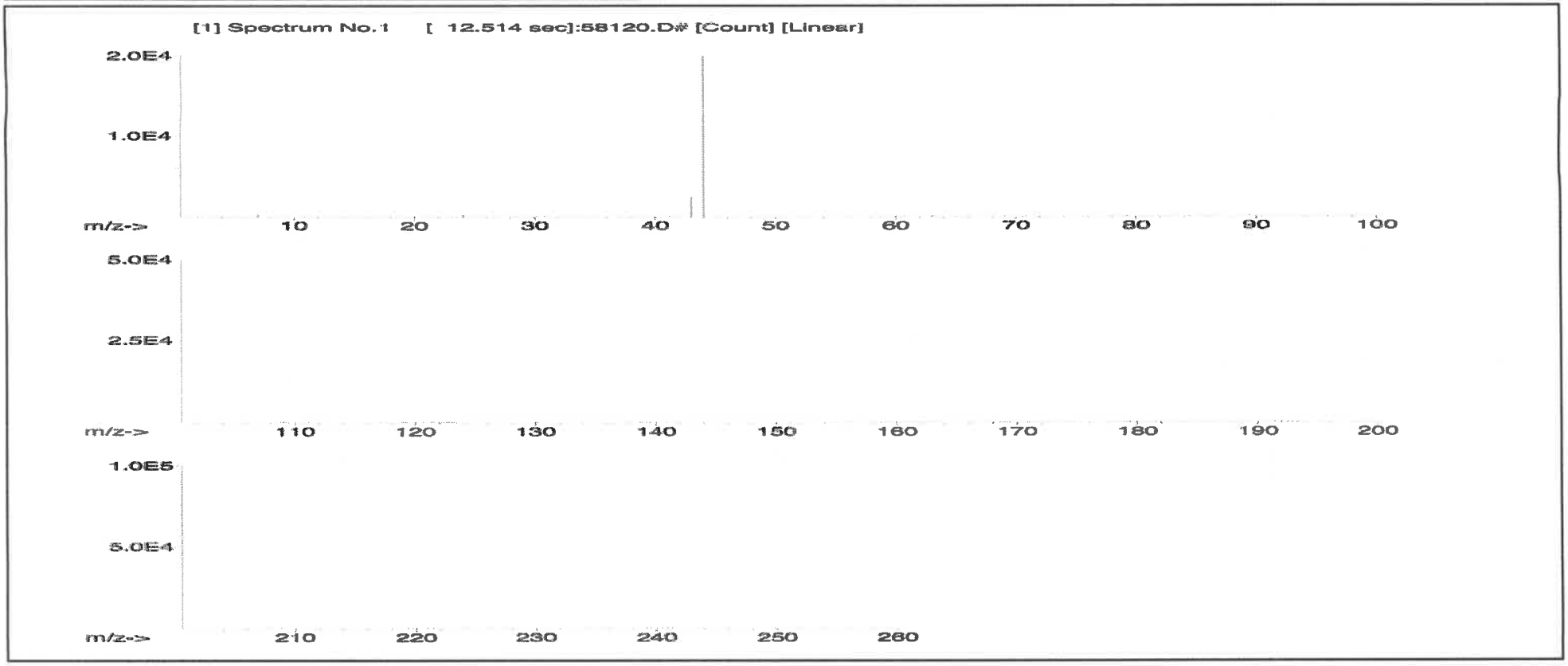
CERTIFIED WEIGHT REPORT:

Part Number:	**58120**		**Solvent:**	Lot # 24002546	Nitric Acid
Lot Number:	**082324**				
Description:	**Calcium (Ca)**		2%	80.0 (mL)	Nitric Acid
Expiration Date:	082327				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.1	0.15	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	082324
Reviewed By:	Pedro L. Rentas	082324

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD03203B3	10000	99.999	0.10	39.9	100.2537	100.2656	**10001.2**	**20.0**	471-34-1	5 mg/m3	ori-rat >2000mg/kg	3109a



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	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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6028

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57048
Lot Number: 070124
Description: Cadmium (Cd)

Expiration Date: 070127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 2000.07 ± 0.100 Flask Uncertainty

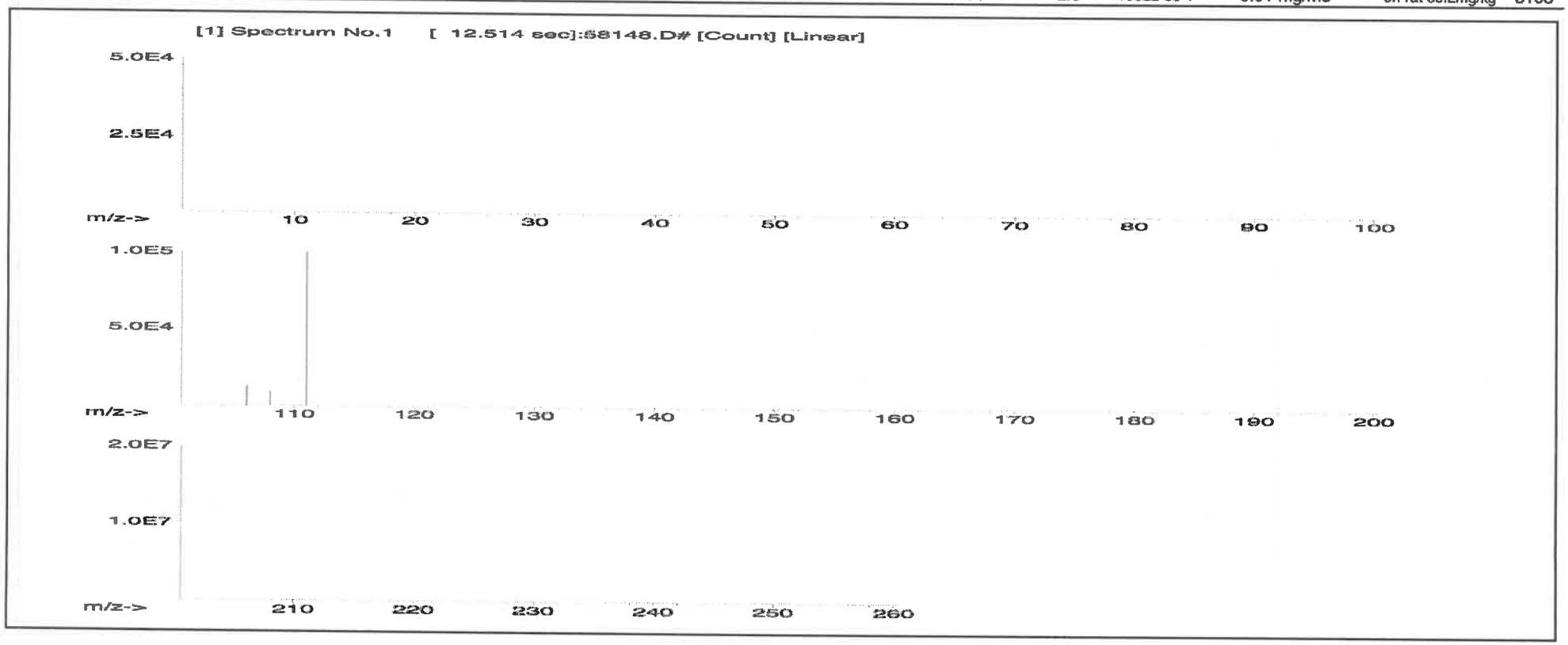
	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Aleah O'Brady
Formulated By: Aleah O'Brady 070124

Reviewed By: Pedro L. Rentas 070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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

R : 01/03/24. M5810, M5811

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

				Lot #	
Part Number:	**58126**		**Solvent:**	21110221	Nitric Acid
Lot Number:	**051523**				
Description:	**Iron (Fe)**		5.0%	250.0 (mL)	Nitric Acid
Expiration Date:	051526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	5000.1	0.12	Flask Uncertainty		

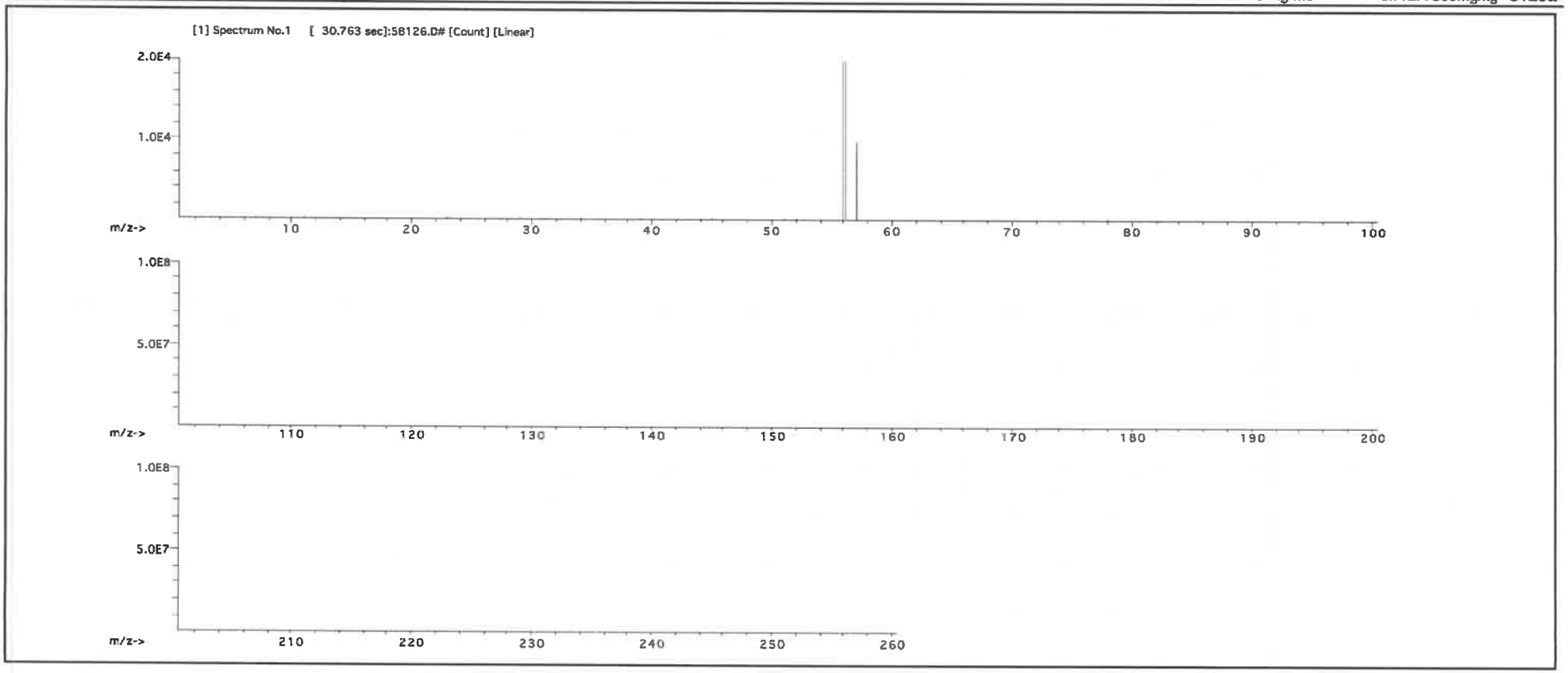
Giovanni Esposito

Formulated By:	Giovanni Esposito	051523

Pedro Rentas

Reviewed By:	Pedro L. Rentas	051523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2302010-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



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	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.10
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* 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

R: 8/15/24 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

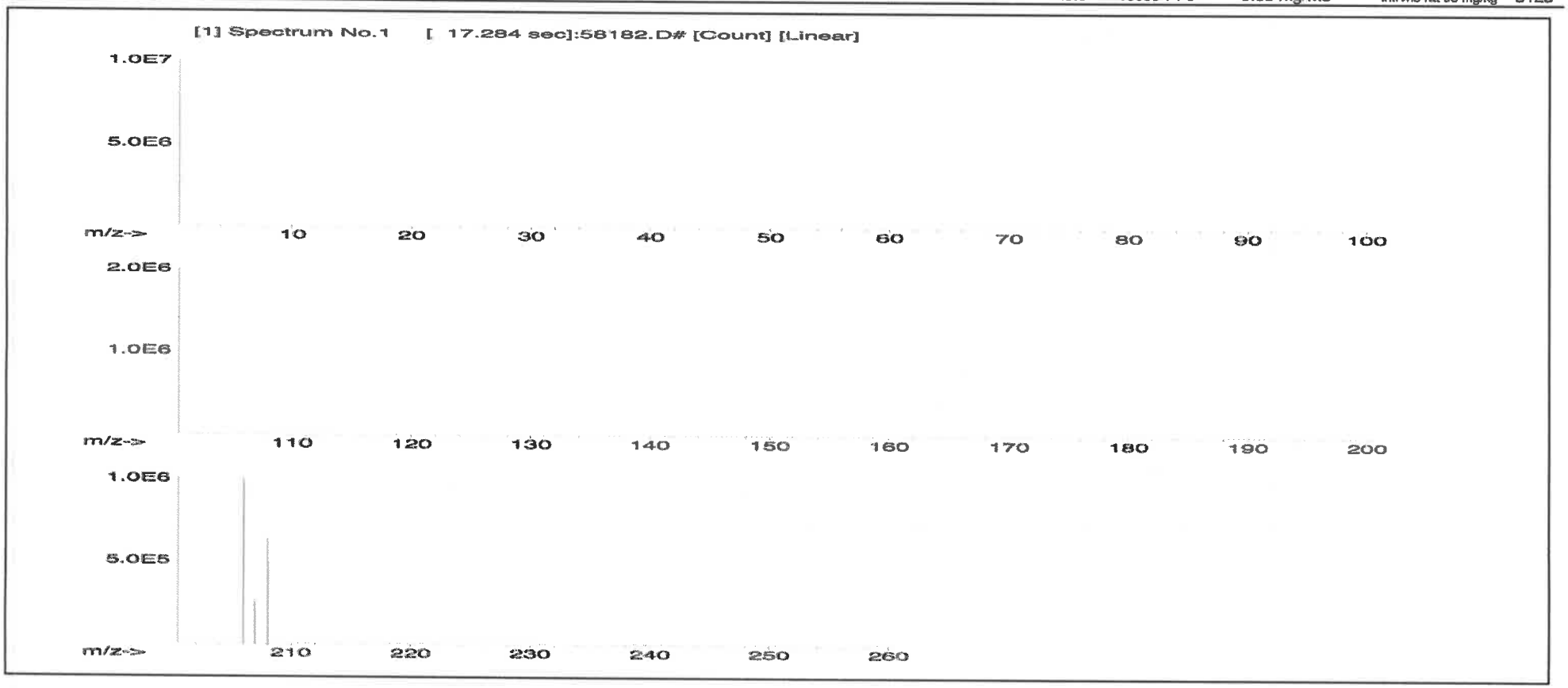
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



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.

* 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

M6026

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

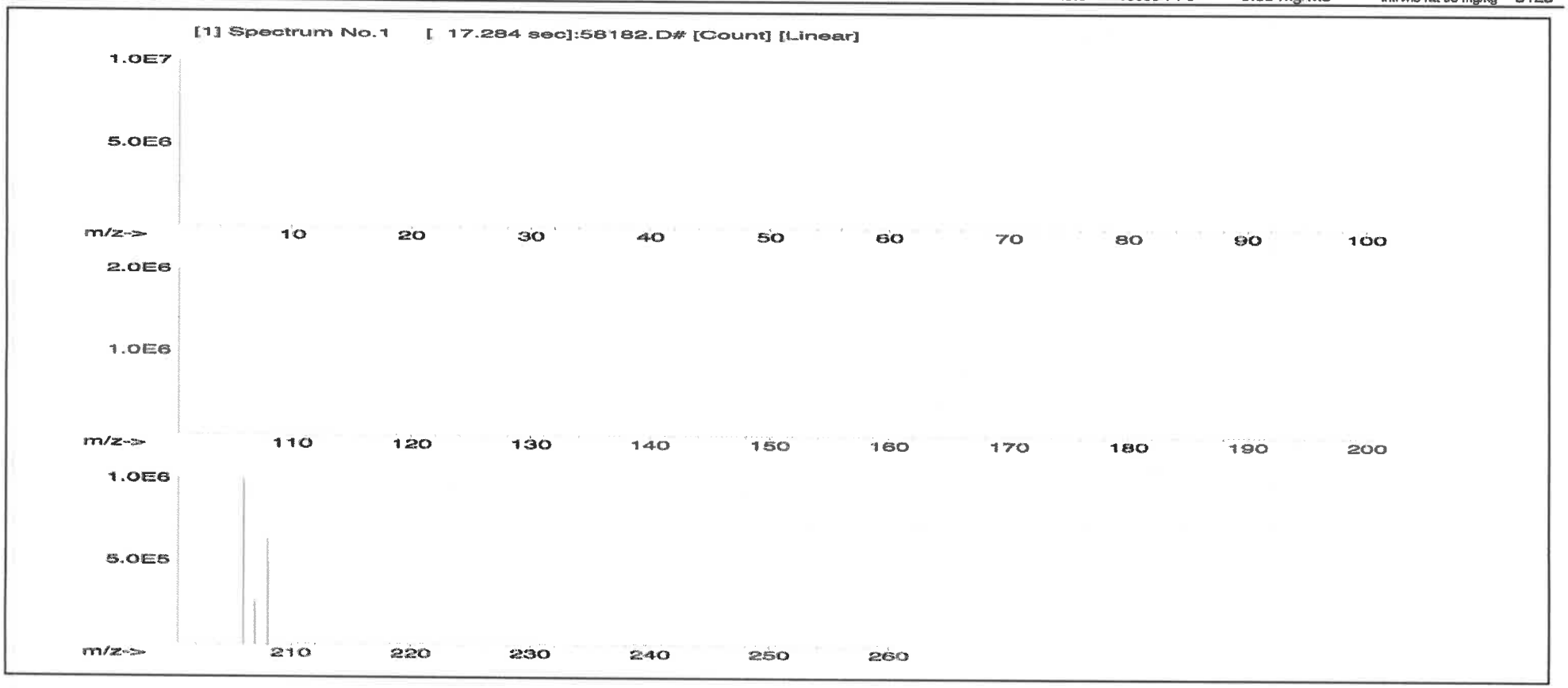
Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

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

	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.

* 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).

M4371

Hydroxylamine Hydrochloride, Crystal
BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination
(hydroxylammonium chloride)

Rec – 06.07.19

J.T.Baker® | avantor™

Material No.: 2196-01
Batch No.: 0000215387
Manufactured Date: 2018/06/27
Retest Date: 2025/06/25
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NH_2OH \cdot HCl$) (by $KMnO_4$ titrn)	>= 96.0 %	99.1
Clarity of Alcohol Solution	Passes Test	PT
Residue after Ignition	<= 0.050 %	0.017
Titrable Free Acid (meq/g)	<= 0.25	0.19
Ammonium (NH_4)	Passes Test	PT
Sulfur Compounds (as SO_4)	<= 0.005 %	< 0.003
Trace Impurities - ACS - Heavy Metals (as Pb)	<= 5 ppm	4
Trace Impurities - Iron (Fe)	<= 5 ppm	< 3
Trace Impurities - Mercury (Hg)	<= 0.050 ppm	< 0.005

For Laboratory, Research or Manufacturing Use

Country of Origin: CN
Packaging Site: Paris Mfg Ctr & DC

ISO
Phillipsburg, NJ 9001:2015, FSSC22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2015, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

ThermoFisher SCIENTIFIC

M4913-16

MB

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	P279	Quality Test / Release Date	01/12/2021
Lot Number	210306		
Description	POTASSIUM PERMANGANATE, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Jan/2026

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Dark purple to purple green crystals
ASSAY	%	>= 99	99.3
CHLORIDE & CHLORATE	%	<= 0.005	<0.005
IDENTIFICATION	PASS/FAIL	= PASS TEST	pass test
INSOLUBLE MATTER	%	<= 0.2	<0.2
MERCURY (Hg)	ppm	<= 0.05	<0.004
SULFATE (SO4)	%	<= 0.02	<0.02

Julian Burton

Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

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 HNO3. Avoid basic media forming insoluble carbonate. The sulfide, basic carbonate, oxalate, phosphate, arsenite, arsenate and iodide are insoluble in water.

Stability - 2-100 ppb levels not stable in 1% HNO3 / LDPE container, stable in 10% HNO3 packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO3 packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO3 / LDPE container.

Hg Containing Samples (Preparation and Solution) - Metal (soluble in HNO3); Oxide (Soluble in HNO3); Ores and Organic based (The literature has more references to the preparation of Hg containing samples than any other element. Please consult the literature for your specific sample type, since such preparations are prone to error. Or e-mail our technical staff and we will contact you to discuss your particular sample preparation questions in further detail.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 202 amu	9 ppt	n/a	186W16O
ICP-OES 184.950 nm	0.03 / 0.005 µg/mL	1	
ICP-OES 194.227 nm	0.03 / 0.005 µg/mL	1	V
ICP-OES 253.652 nm	0.1 / 0.03 µg/mL	1	Ta, Co, Th ,Rh , Fe, U

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 22, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 22, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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:	6020CAL-1
Lot Number:	S2-MEB711244
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	20 µg/mL ea:

Silver,	Aluminum,
Arsenic,	Barium,
Beryllium,	Calcium,
Cadmium,	Cobalt,
Chromium,	Copper,
Iron,	Potassium,
Magnesium,	Manganese,
Sodium,	Nickel,
Lead,	Antimony,
Selenium,	Thallium,
Vanadium,	Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**20.01 ± 0.08 µg/mL**	**Antimony, Sb**	**20.01 ± 0.12 µg/mL**
Arsenic, As	**20.01 ± 0.18 µg/mL**	**Barium, Ba**	**20.01 ± 0.11 µg/mL**
Beryllium, Be	**20.01 ± 0.14 µg/mL**	**Cadmium, Cd**	**20.01 ± 0.11 µg/mL**
Calcium, Ca	**20.01 ± 0.10 µg/mL**	**Chromium, Cr**	**20.01 ± 0.16 µg/mL**
Cobalt, Co	**20.01 ± 0.11 µg/mL**	**Copper, Cu**	**20.01 ± 0.10 µg/mL**
Iron, Fe	**20.01 ± 0.09 µg/mL**	**Lead, Pb**	**20.01 ± 0.11 µg/mL**
Magnesium, Mg	**19.99 ± 0.10 µg/mL**	**Manganese, Mn**	**20.01 ± 0.10 µg/mL**
Nickel, Ni	**20.01 ± 0.11 µg/mL**	**Potassium, K**	**20.01 ± 0.10 µg/mL**
Selenium, Se	**20.02 ± 0.14 µg/mL**	**Silver, Ag**	**20.02 ± 0.09 µg/mL**
Sodium, Na	**20.01 ± 0.10 µg/mL**	**Thallium, Tl**	**20.01 ± 0.13 µg/mL**
Vanadium, V	**20.01 ± 0.11 µg/mL**	**Zinc, Zn**	**20.01 ± 0.11 µg/mL**

Density: 1.026 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$CRM/RM\ Expanded\ Uncertainty\ (\pm) = U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M519. M520 BH R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

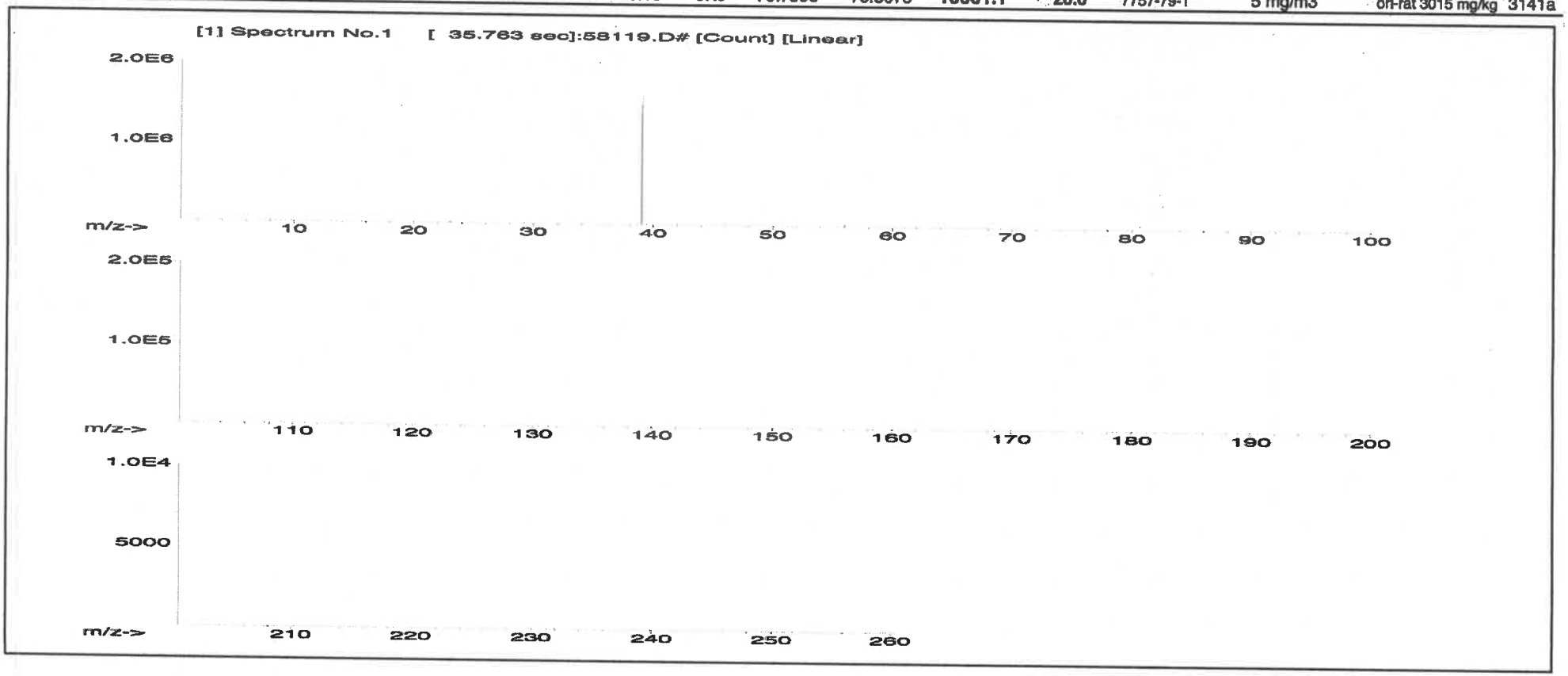
Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 120822
Pedro Rentas
Reviewed By: Pedro L. Rentas 120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



Absolute Standards, Inc.
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	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5519. M5520 BH R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4 ± 0.06 Flask Uncertainty

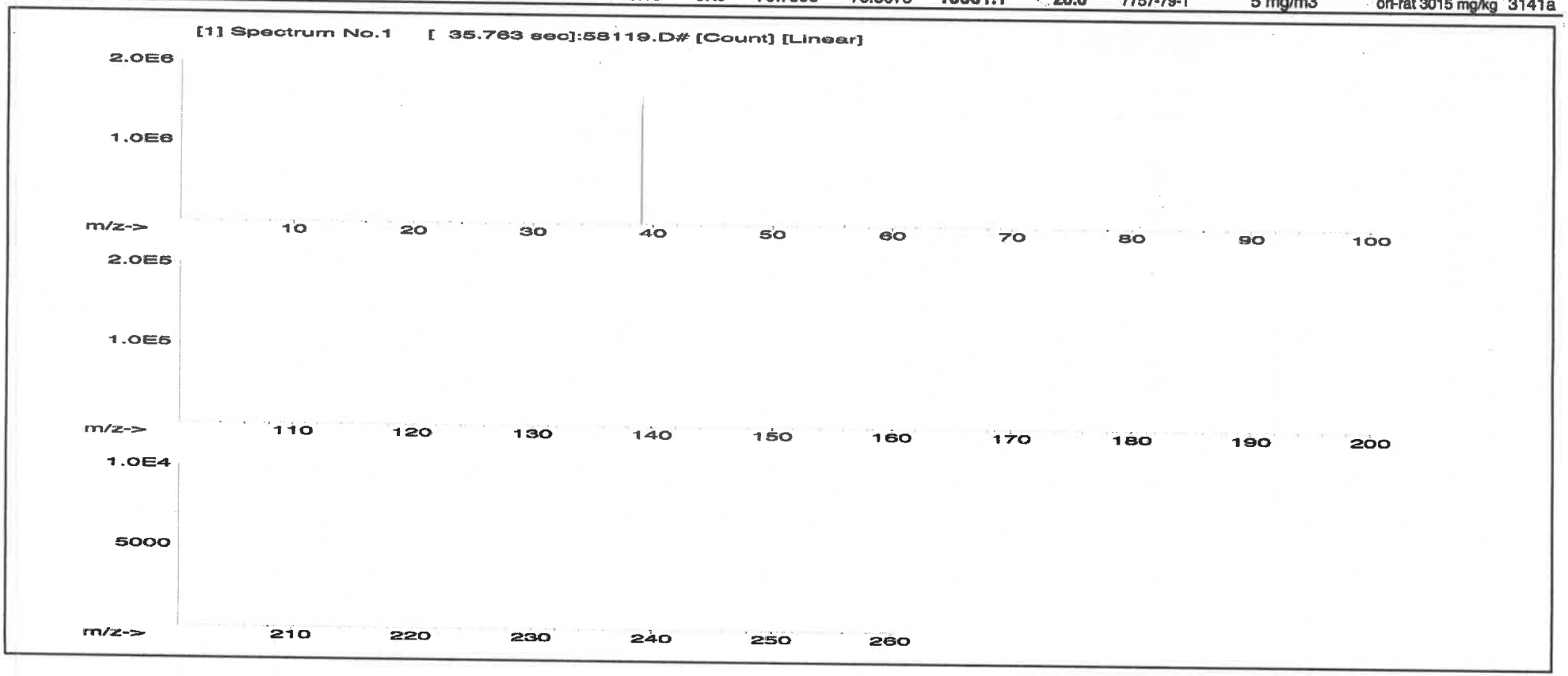
		Lot #	
Solvent:	20510011		Nitric Acid
	2%	60.0 (mL)	Nitric Acid

± 5E-05 Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	120822
Reviewed By:	Pedro L. Rentas	120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



Absolute Standards, Inc.
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	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5658 R ! 8/25/23

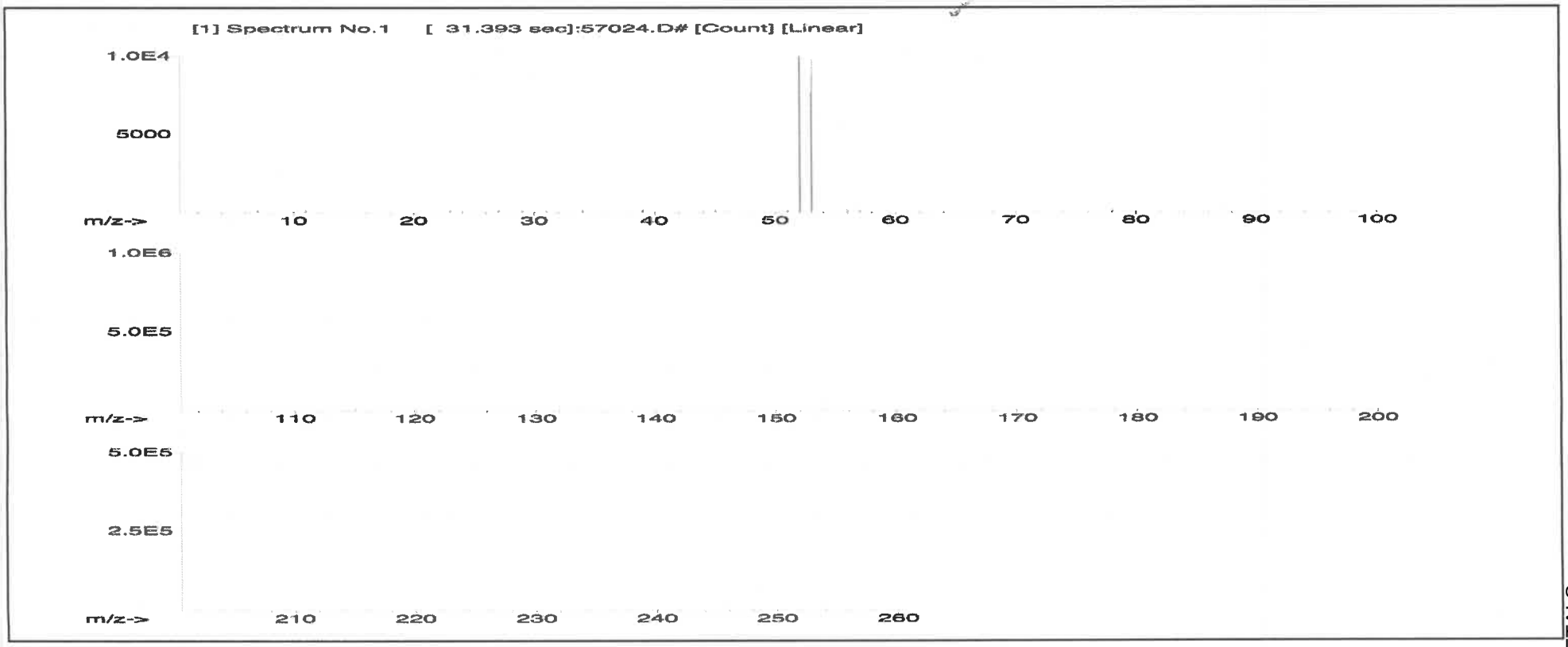
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* 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

M5697 R: 10/27/23

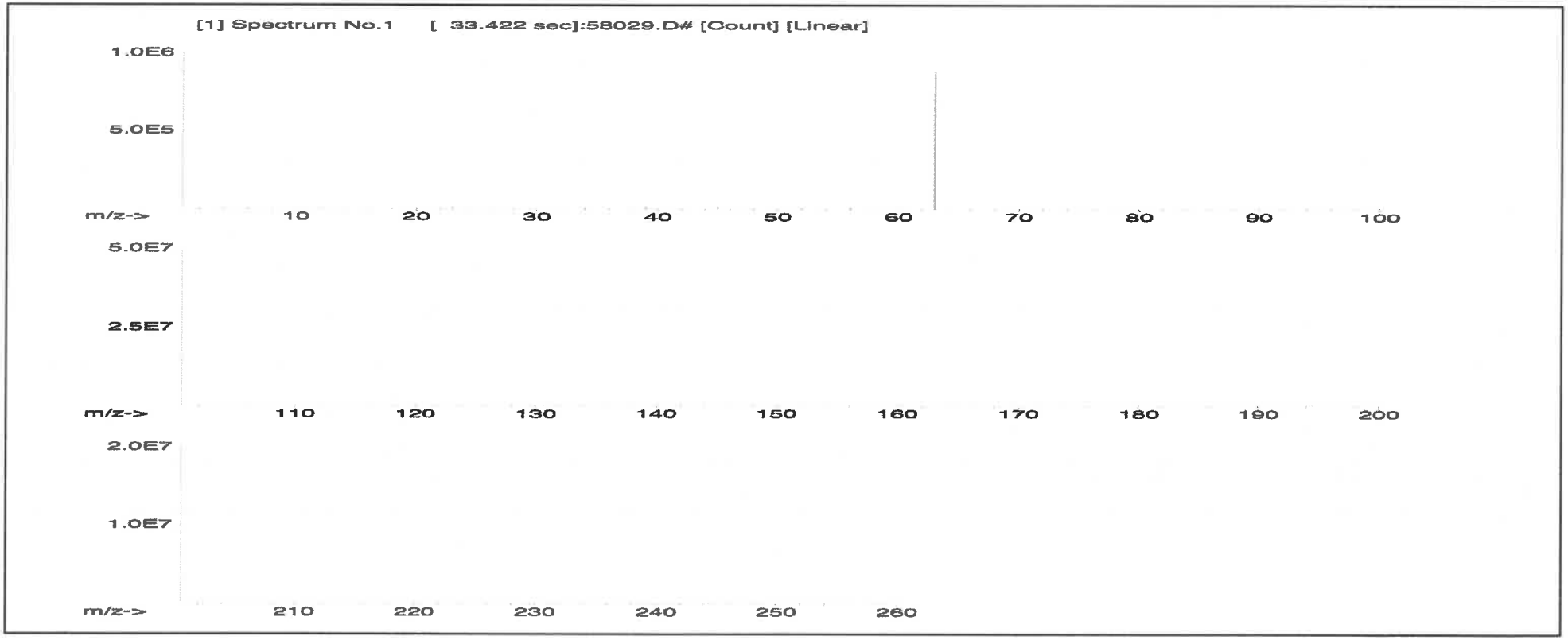
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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



Absolute Standards, Inc.
300-368-1131
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	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* 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

R: 8/25/23 M5751

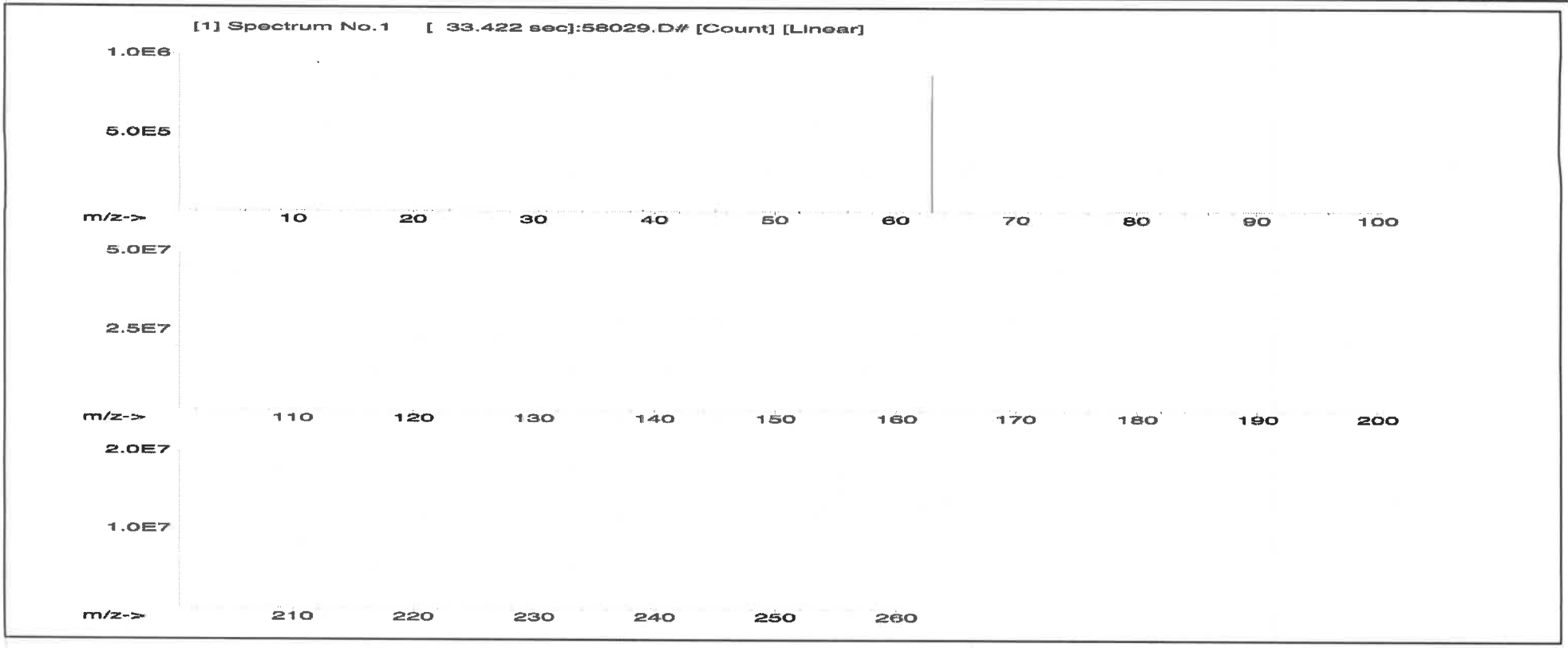
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	21110221	Nitric Acid	
Lot Number:	**071723**			
Description:	**Copper (Cu)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	071723
Reviewed By:	Pedro L. Rentas	071723

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	022723	0.1000	200.0	0.084	1000	10000.5	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



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	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5798

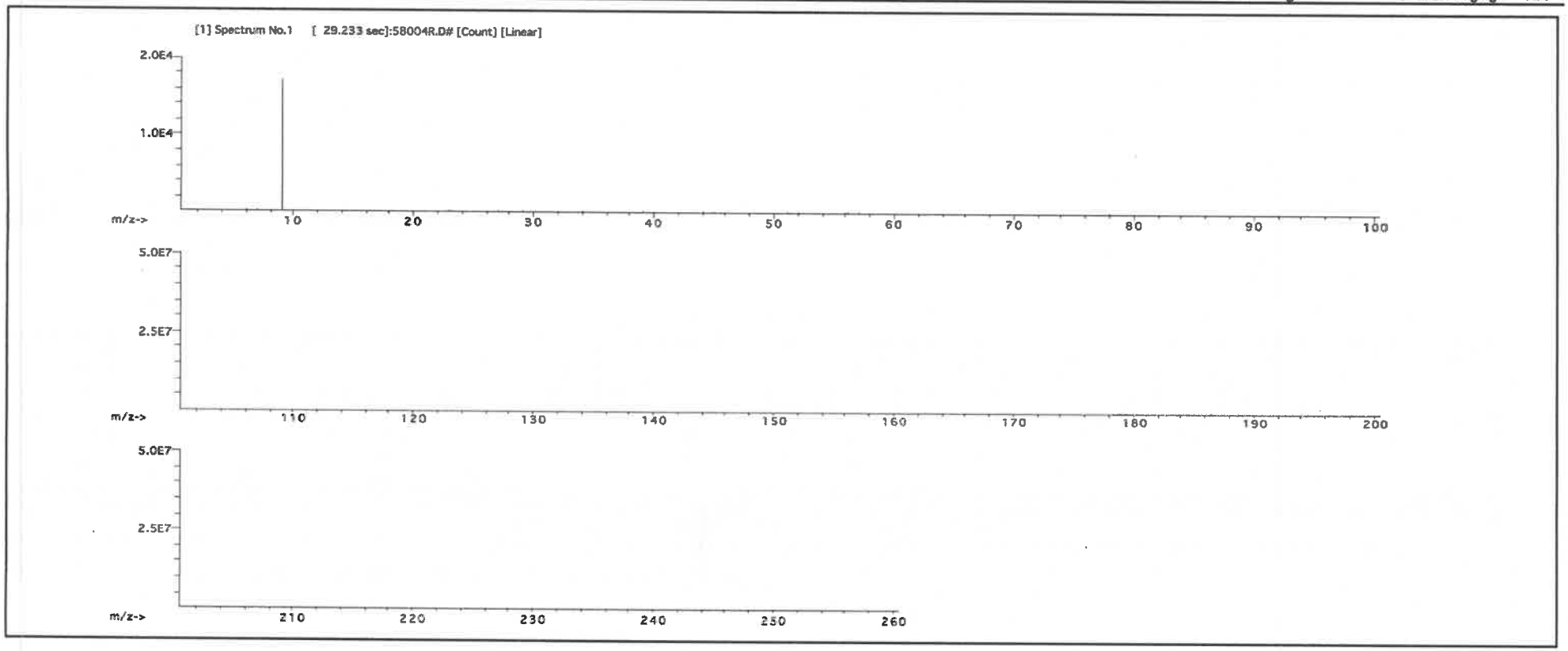
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57004**			
Lot Number:	**102523**	24002546	Nitric Acid	
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



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	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.

* 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

R? 02/09/24 IV15799 BA

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

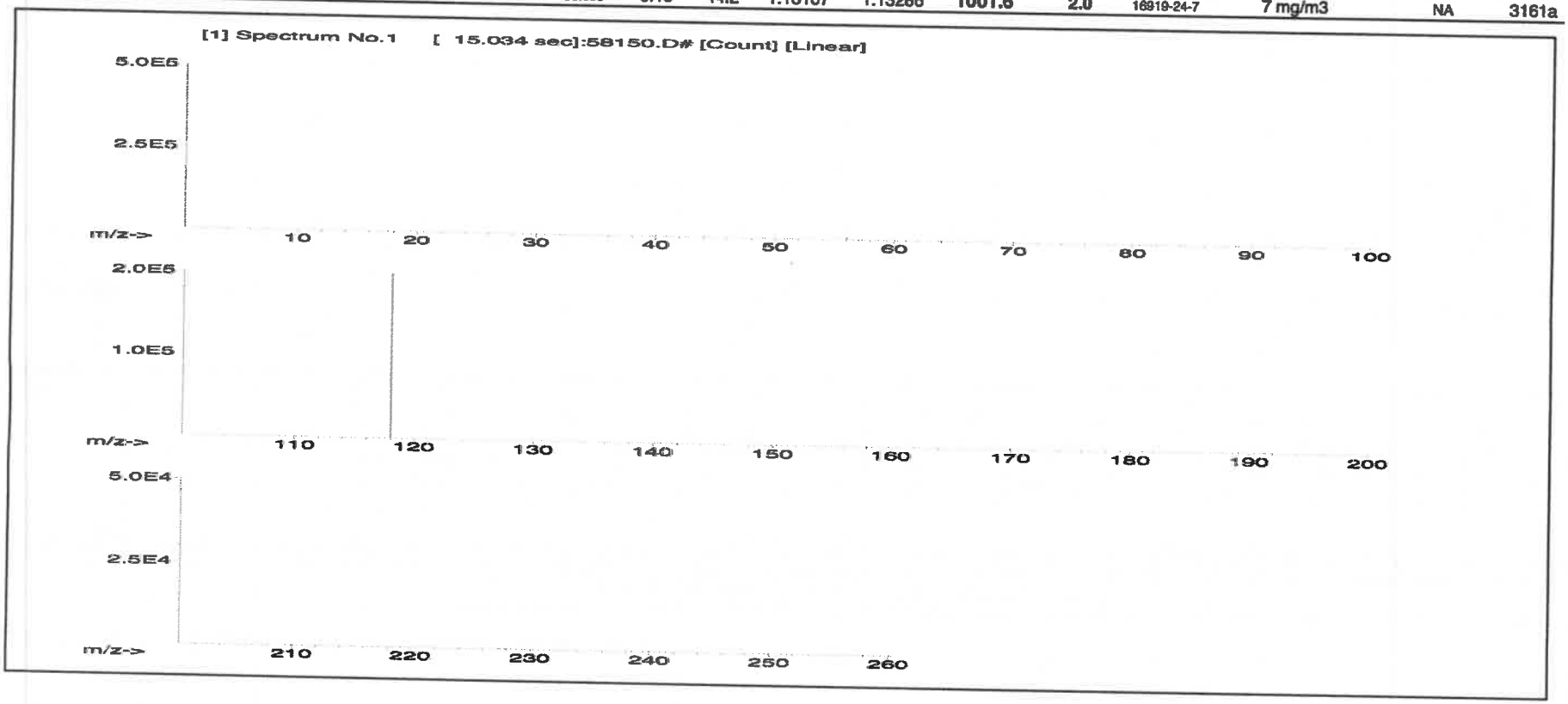
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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



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	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* 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

R: 02/09/24 IM5800 BH

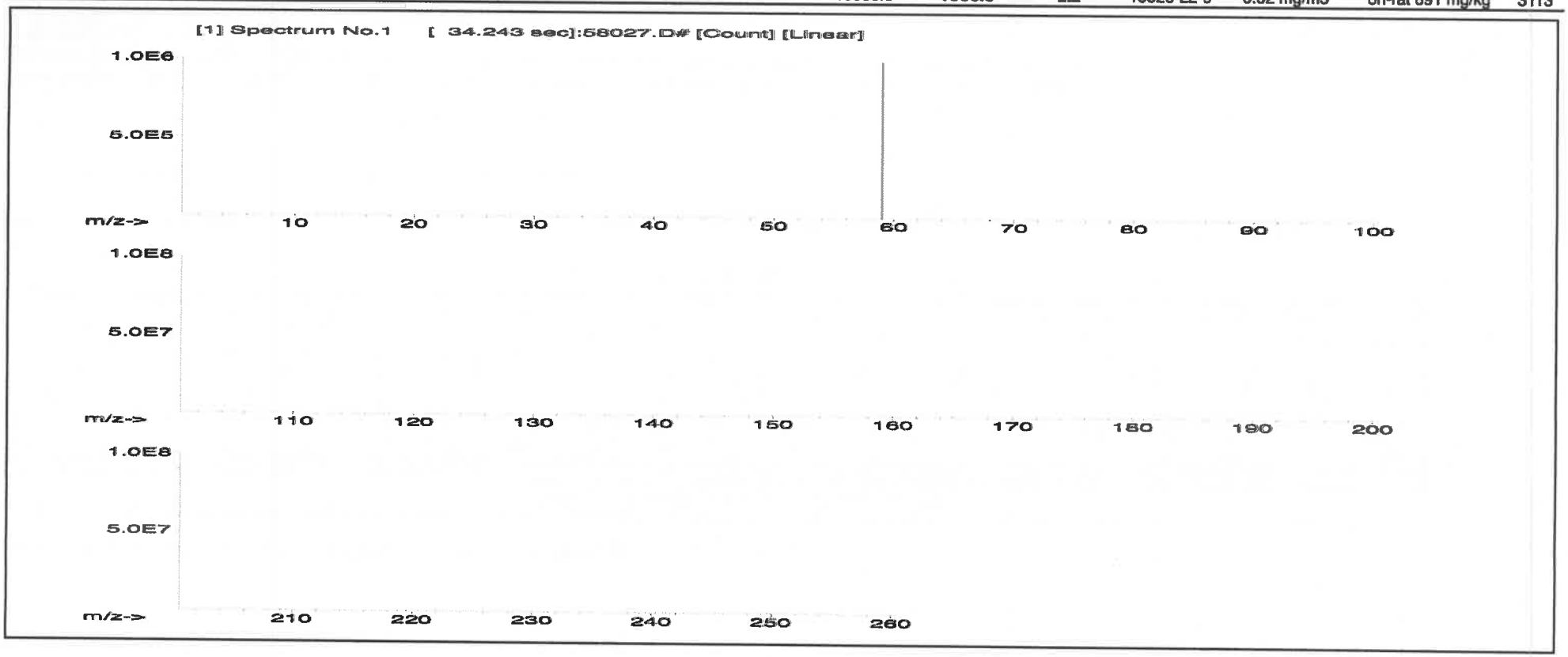
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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



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 Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* 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

R: 02/09/24 M5801 BH

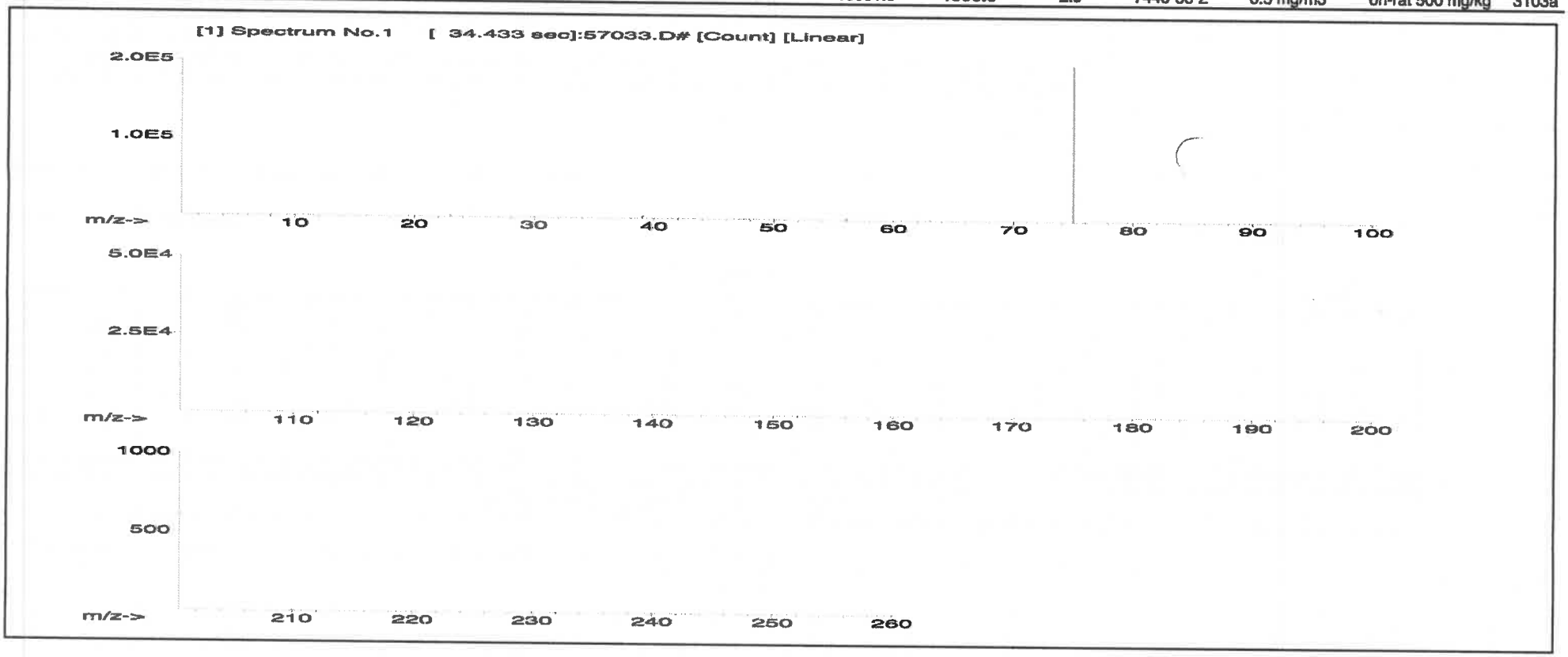
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
Description:	**Arsenic (As)**	2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	**2.0**	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



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	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* 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

R1 02/09/24. M5815

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

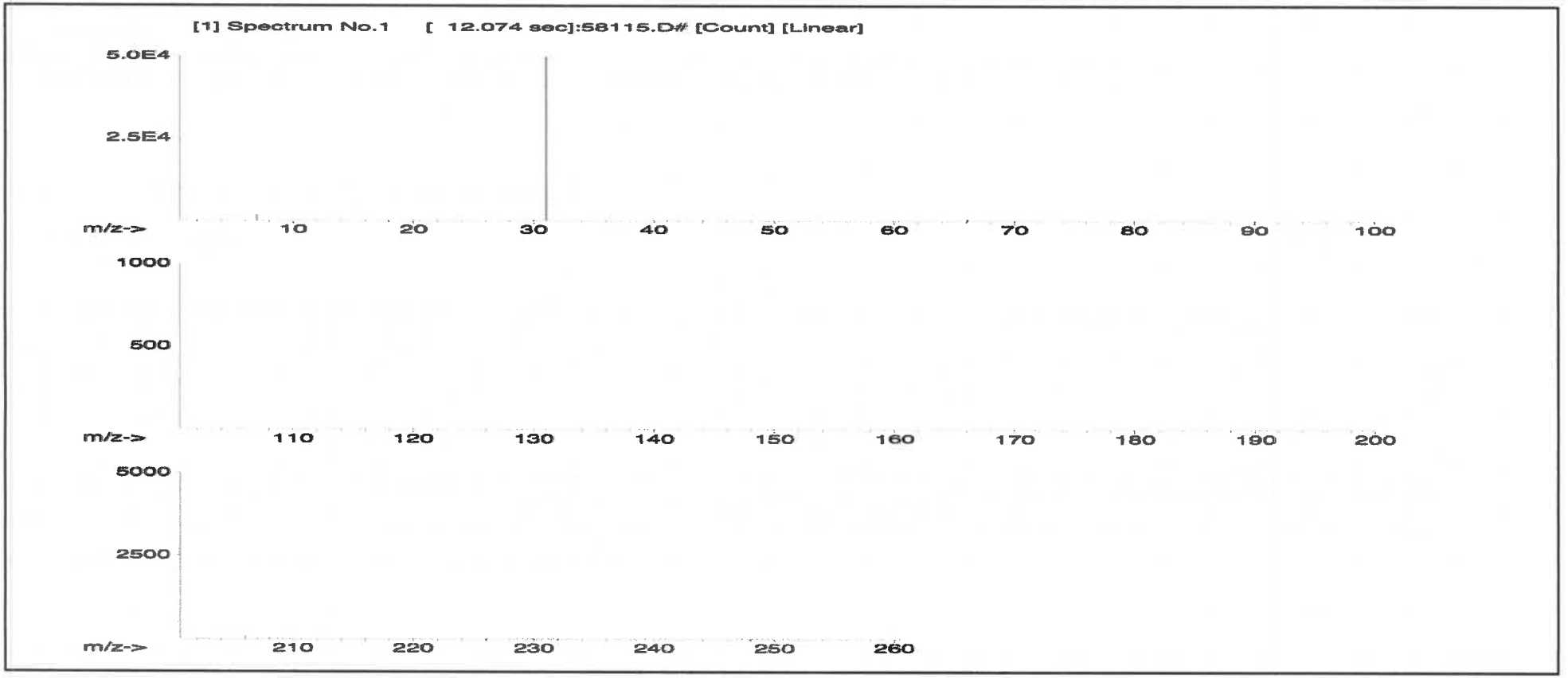
Part Number: 57115
Lot Number: 041723
Description: Phosphorous (P)

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

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



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 Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5817

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

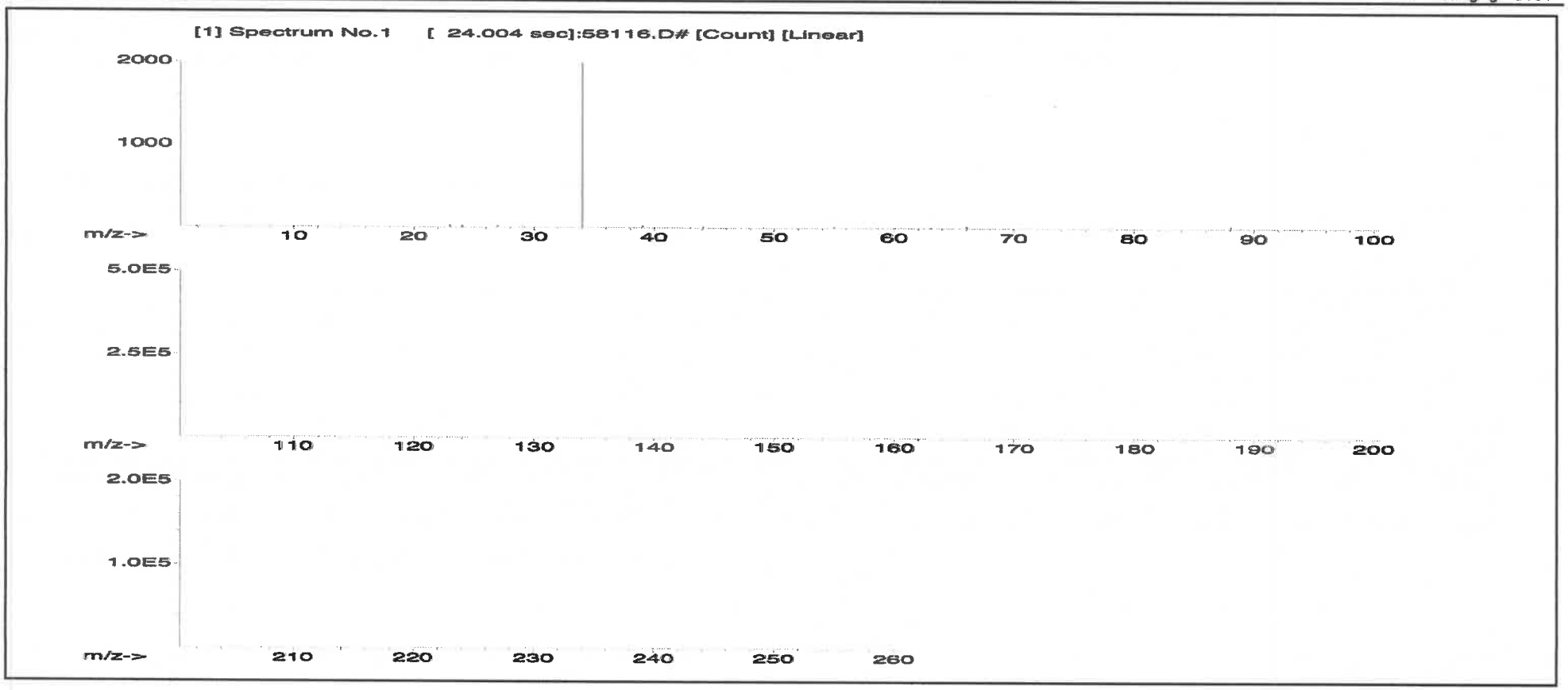
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

Lot #
Solvent: 071123 ASTM Type 1 Water

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4682	**10000.1**	**20.0**	7783-20-2	NA	ori-rat 4250mg/kg	3181



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	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

MF884
MB

avantor™ | J.T.Baker®

Material No.: 3624-01
Batch No.: 0000281938
Manufactured Date: 2021-06-07
Retest Date: 2026-06-07
Revision No.: 1

Certificate of Analysis

Test	Specification	Result
Assay (NaCl) (by Ag titrn)	≥ 99.0 %	100.0 %
pH of 5% Solution at 25°C	5.0 - 9.0	6.3
Insoluble Matter	≤ 0.005 %	0.003 %
Iodide (I)	≤ 0.002 %	< 0.002 %
Bromide (Br)	≤ 0.01 %	< 0.01 %
Chlorate and Nitrate (as NO_3)	≤ 0.003 %	< 0.001 %
ACS - Phosphate (PO_4)	≤ 5 ppm	< 5 ppm
Sulfate (SO_4)	≤ 0.004 %	< 0.004 %
Barium (Ba)	Passes Test	Passes Test
ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 2 ppm	< 1 ppm
Calcium (Ca)	≤ 0.002 %	< 0.001 %
Magnesium (Mg)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	0.001 %

For Laboratory,Research,or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Mansford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R: 02/22/24 M5942

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:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **June 17, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5960 KK R. 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

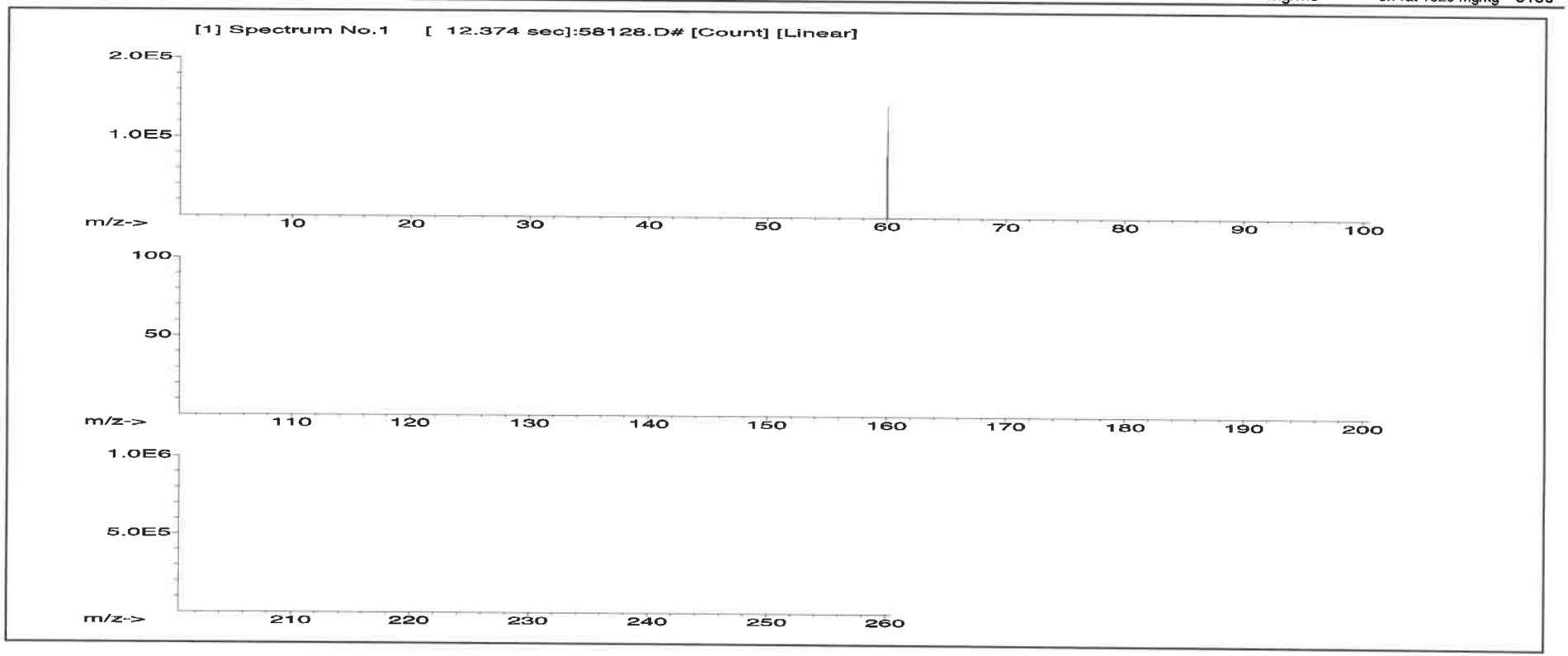
Part Number: 57028
Lot Number: 041124
Description: Nickel (Ni)

Expiration Date: 041127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 249.85

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	5.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.002	Flask Uncertainty	

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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	T	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5961 R: 6/11/24

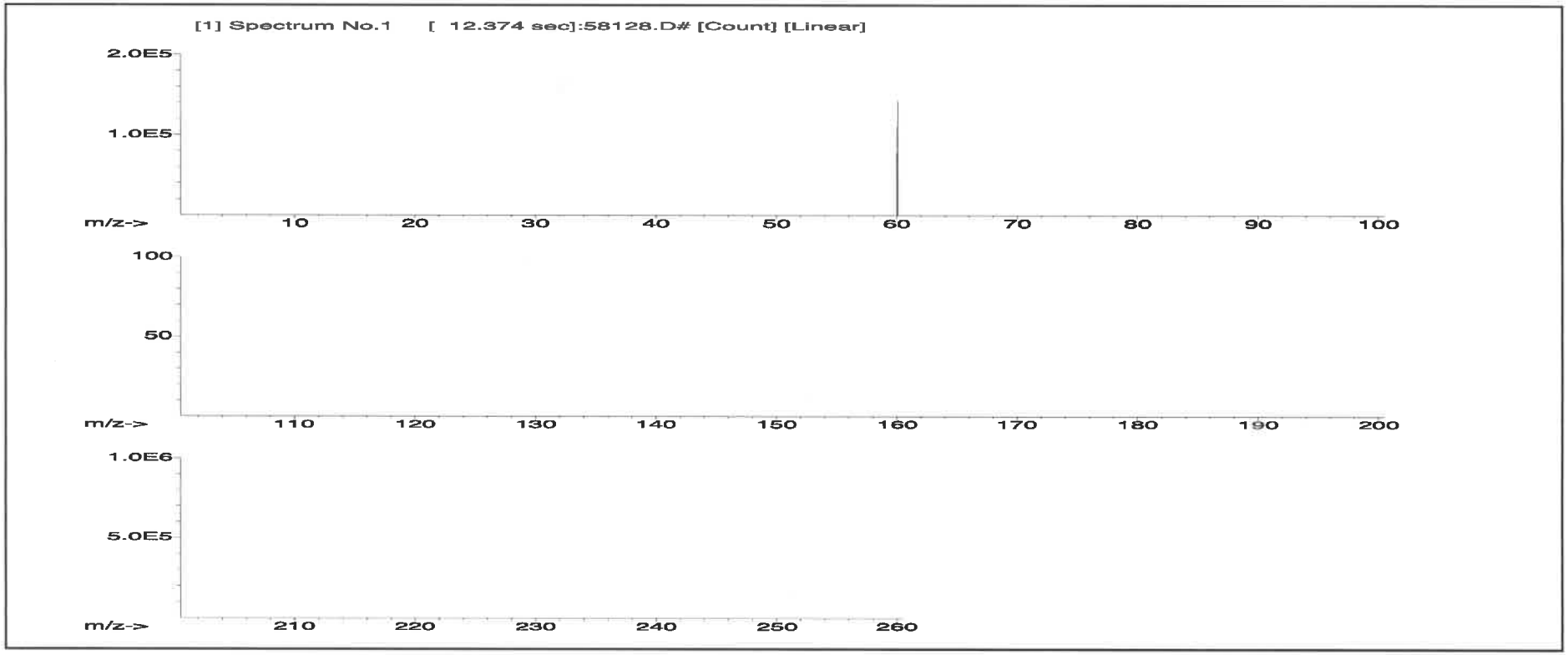
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57028**		**Lot #**		
Lot Number:	**041124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Nickel (Ni)**				
		2%	5.0 (mL)	Nitric Acid	
Expiration Date:	041127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	249.85	0.002	Flask Uncertainty		

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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	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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5962 R! 06/14/24.

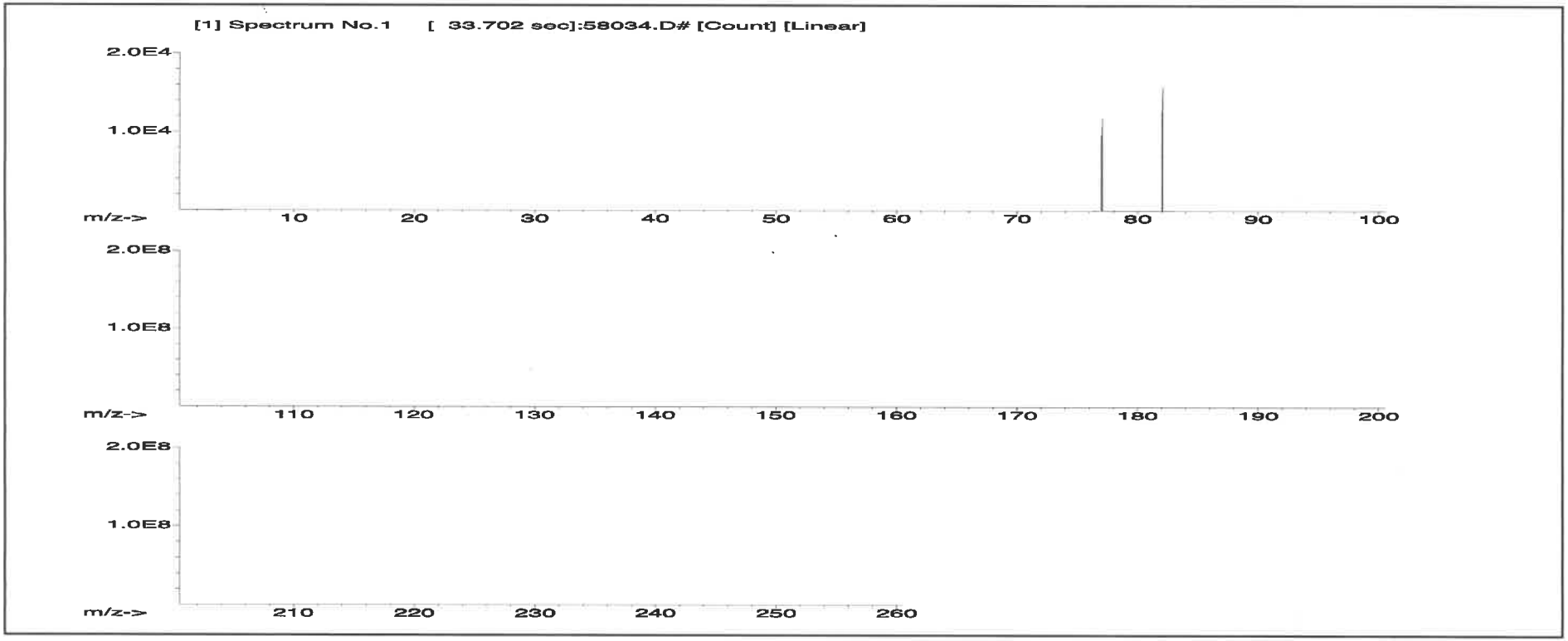
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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



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	T	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

M5976, M5977
R: 02/22/24

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:	Single Analyte Custom Grade Solution
Catalog Number:	CGMO1
Lot Number:	T2-MO720876
Matrix:	H2O tr. NH4OH
Value / Analyte(s):	1 000 µg/mL ea: Molybdenum
Starting Material:	Ammonium Molybdate
Starting Material Lot#:	2361
Starting Material Purity:	99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9 [MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br1 6O,190Os2+,190Pt 2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57092**	24002546	Nitric Acid		
Lot Number:	**060724**				
Description:	**Uranium (U)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	060727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

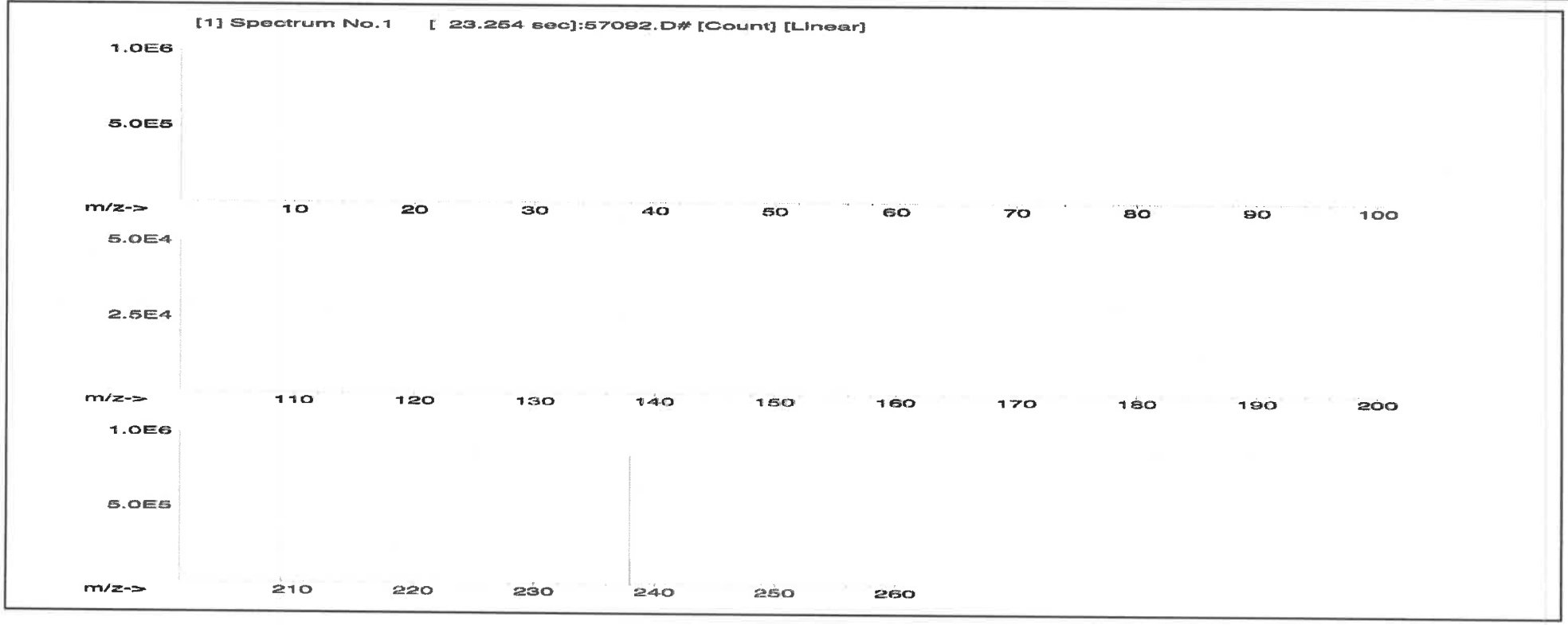
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	T
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M 6041-46
MS

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities - Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R 18/19/24, M60055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-STOCK-12
Lot Number:	U2-MEB734294
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	180815
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Ce	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Calculated		See Sec. 4.2
Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6079 R: 9/30/24

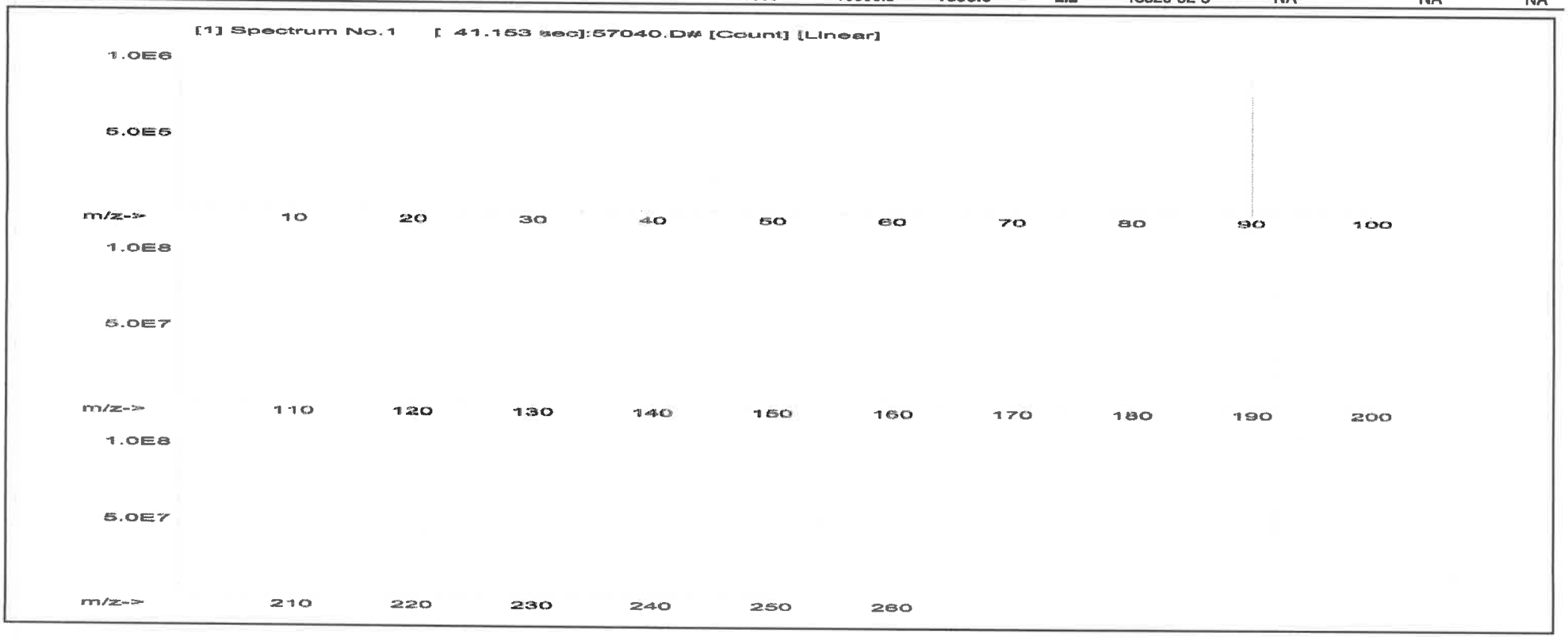
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57040**	21110221	Nitric Acid		
Lot Number:	**071423**				
Description:	**Zirconium (Zr)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	071426				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	071423
Reviewed By:	Pedro L. Rentas	071423

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	13520-92-8	NA	NA	NA



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	<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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

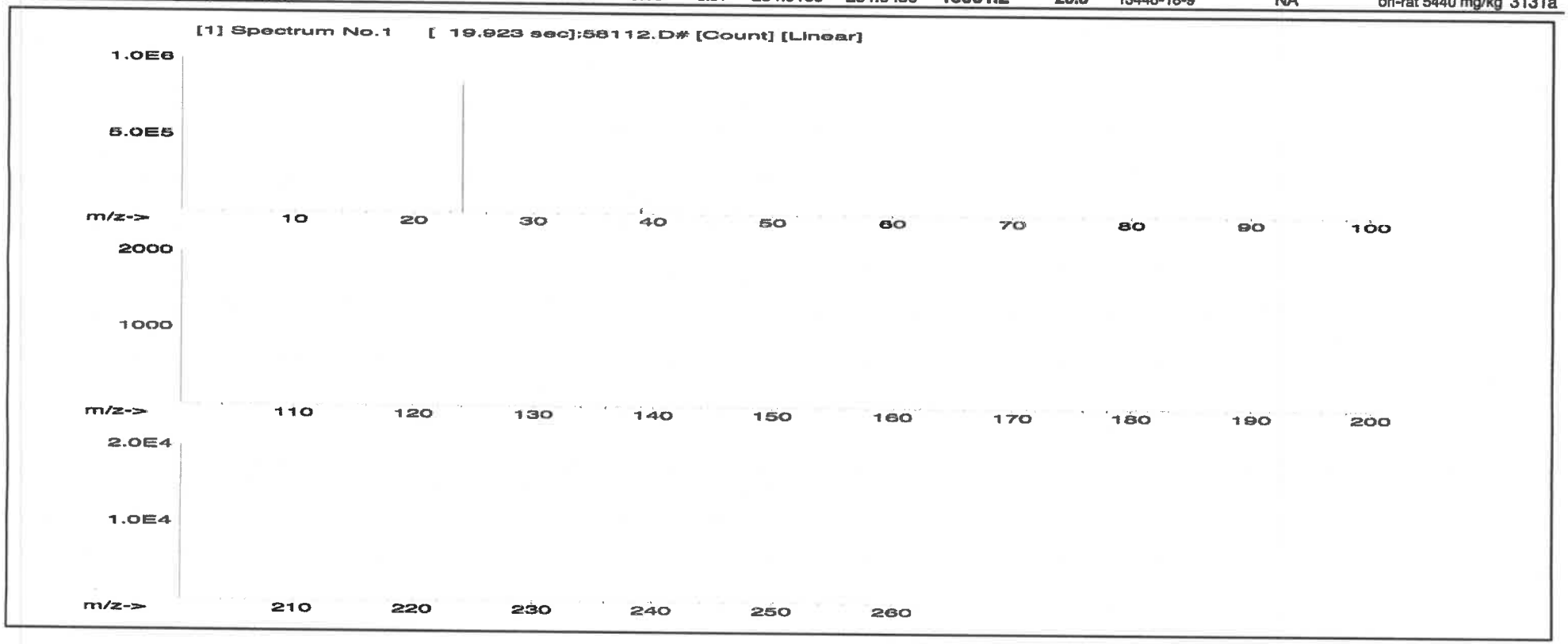
R→ 1/13/25
M 6127

			Lot #	
Part Number:	**58112**	**Solvent:**	24012496	Nitric Acid
Lot Number:	**112124**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	112127			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	112124
Reviewed By:	Pedro L. Rentas	112124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9183	234.9459	**10001.2**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



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	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

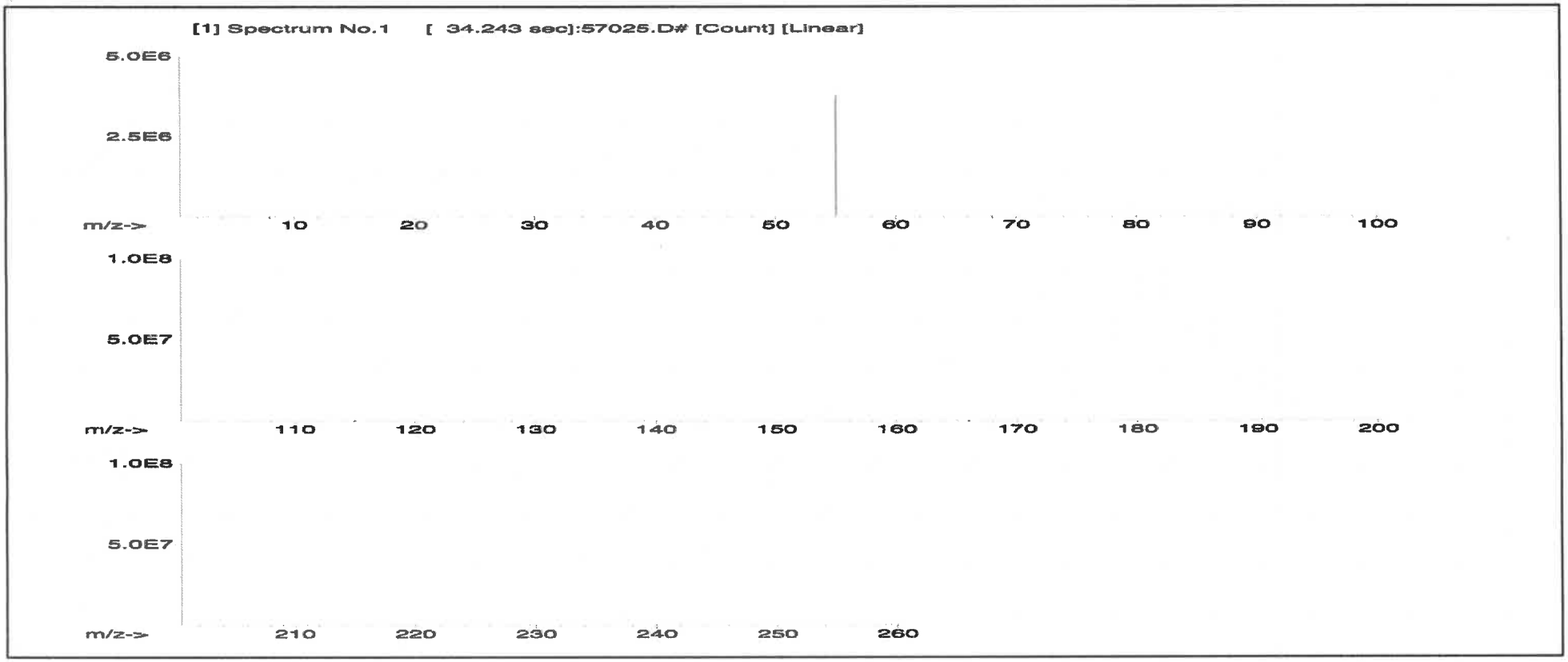
CERTIFIED WEIGHT REPORT:

R->1/13/25
M6128

Part Number:	**58025**	**Solvent:**	**Lot #** 24002546	Nitric Acid
Lot Number:	**101124**			
Description:	**Manganese (Mn)**	2%	80.0 (mL)	Nitric Acid
Expiration Date:	101127			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	4000.2	0.10	Flask Uncertainty	

Giovanni Esposito		
Formulated By:	Giovanni Esposito	101124
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



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	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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000310	M	Eu	<	0.000310	O	Na		0.001656	M	Se	<	0.022000	M	Zn	<	0.002500
M	Al		0.010787	M	Fe	<	0.027000	M	Nb	<	0.001300	s	Si	<		O	Zr	<	0.001900
M	As	<	0.001900	M	Ga	<	0.001300	M	Nd	<	0.000310	M	Sm	<	0.000310				
M	Au	<	0.000910	M	Gd	<	0.000310	M	Ni	<	0.005500	M	Sn		0.000096				
M	B		0.016180	M	Ge	<	0.001900	M	Os	<	0.000610	O	Sr		0.000092				
M	Ba		0.000096	M	Hf		0.000423	i	P	<		M	Ta		0.002542				
O	Be	<	0.000570	M	Hg	<	0.000610	M	Pb	<	0.000310	M	Tb	<	0.000310				
M	Bi	<	0.000310	M	Ho	<	0.000610	M	Pd	<	0.000610	M	Te	<	0.000910				
O	Ca		0.011557	M	In	<	0.000310	M	Pr	<	0.000310	M	Th	<	0.001900				
M	Cd	<	0.000310	M	Ir	<	0.000310	M	Pt	<	0.000310	M	Ti		0.001078				
M	Ce	<	0.000610	O	K		0.000577	M	Rb	<	0.009100	M	Tl	<	0.000310				
M	Co	<	0.001600	M	La	<	0.000310	M	Re	<	0.000310	M	Tm	<	0.000310				
M	Cr	<	0.010000	O	Li	<	0.000460	M	Rh	<	0.000310	M	U	<	0.000310				
M	Cs	<	0.000310	M	Lu	<	0.000310	M	Ru	<	0.000310	O	V	<	0.001300				
M	Cu	<	0.002500	O	Mg		0.001348	O	S	<	0.570000	M	W	<	0.001900				
M	Dy	<	0.000310	M	Mn	<	0.002500	M	Sb	<	0.000310	M	Y	<	0.000310				
M	Er	<	0.000310	M	Mo	<	0.000310	O	Sc	<	0.000590	M	Yb	<	0.000310				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 28.09 +4 6 Si(OH)x(F)y2-

Chemical Compatibility -Soluble in HCl, HF, H3PO4 H2SO4 and HNO3 as the Si(OH)x(F)y2-. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths, or high levels of transition elements unless they are fluorinated. Stable with most inorganic anions with a tendency to hydrolyze forming silicic acid (silicic acid is soluble up to ∼100 ppm in water) in all dilute acids except HF.

Stability - 2-100 ppb levels - stability unknown - (alone or mixed with all other metals) as the Si(OH)x(F)y2-. 1-10,000 ppm single element solutions as the Si(OH)x(F)y2- chemically stable for years in 2-5 % HNO3 / trace HF in a LDPE container.

Si Containing Samples (Preparation and Solution) -Metal (Soluble in 1:1:1 H2O / HF / HNO3); Oxide - SiO2, amorphic (dissolve by heating in 1:1:1 H2O / HF / HNO3); Oxide - quartz (fuse in Pt0 with Na2CO3); Geological Samples(fuse in Pt0with Na2CO3 followed by HCl solution of the fuseate); Organic Matrices containing silicates and non volatile silicon compounds (dry ash at 4500C in Pt0 and dissolve by gently warming with 1:1:1 H2O / HF / H2SO4 or fuse / ash with Na2CO3 and dissolve fuseate with HCl / H2O); Silicone Oils - dimethyl silicones depolymerize to form volatile monomer units when heated (Measure directly in alcoholic KOH / xylene mixture where sample is treated first with the KOH at 60-1000C to "unzip" the Si- O-Si polymeric structure or digest with conc. H2SO4 / H2O2 followed by cooling and dissolution of the dehydrated silica with HF.) Note that the direct analysis of silicone oils in an organic solvent will result in false high results due to high vapor pressure of volatile monomer units like hexamethylcyclotrisiloxane. The KOH forms the K2+Si(CH3)2O= salt which is not volatile at room temperature.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 28 amu	4000 - 8000 ppt	N/A	N2, 12C16O
ICP-OES 212.412 nm	0.02/0.01 µg/mL	1	Hf, Os, Mo, Ta
ICP-OES 251.611 nm	0.012/0.003 µg/mL	1	Ta, U, Zn, Th
ICP-OES 288.158 nm	0.03/0.004 µg/mL	1	Ta, Ce, Cr, Cd, Th

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 10, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **July 10, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

R-> 1/13/25

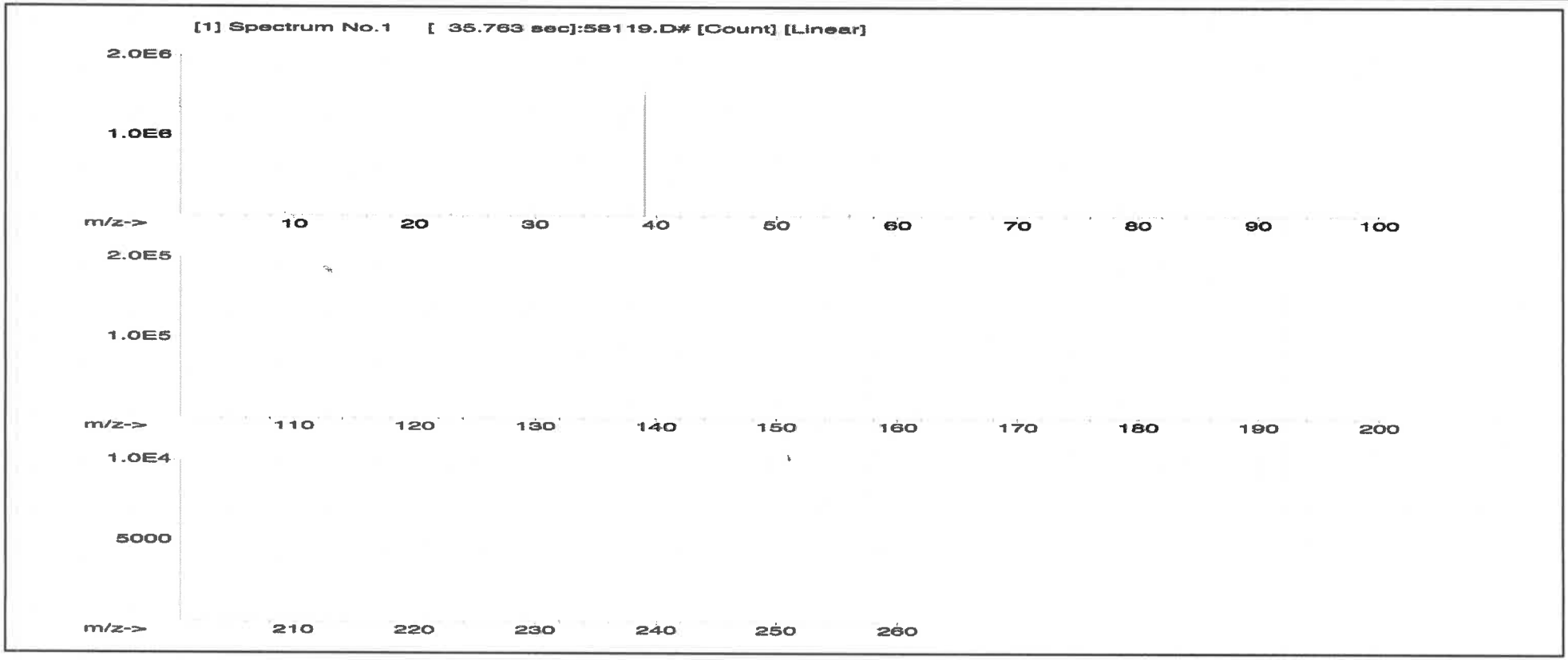
Part Number:	**57119**		**Lot #**		
Lot Number:	**103024**	**Solvent:**	24002546	Nitric Acid	
Description:	**Potassium (K)**				
		2%	80.0 (mL)	Nitric Acid	
Expiration Date:	103027				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.1	0.15	Flask Uncertainty		

M6141
M6142
M6143

Giovanni Esposito

Formulated By:	Giovanni Esposito	103024
Reviewed By:	Pedro L. Rentas	103024

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD062022A1	10000	99.999	0.10	37.7	106.1040	######	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3750 mg/kg	3141a



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	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

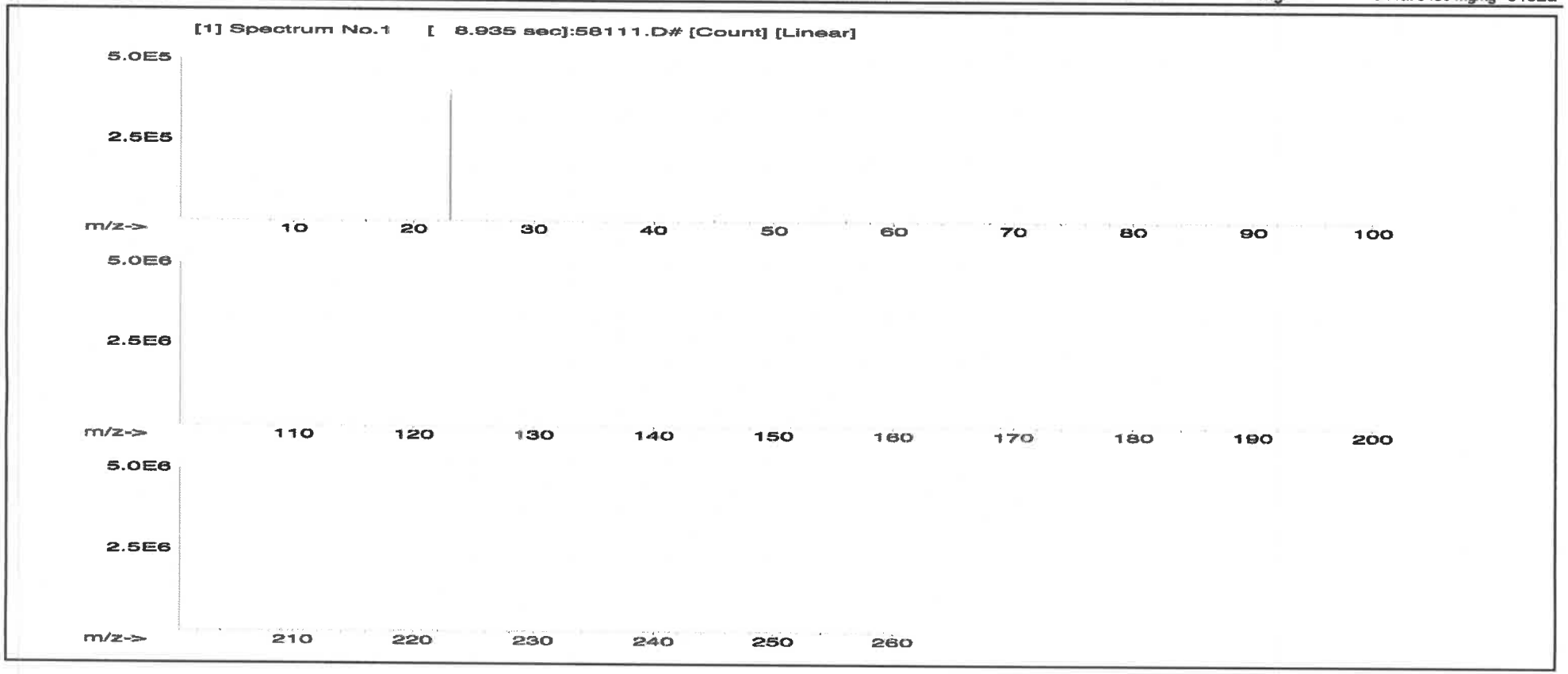
CERTIFIED WEIGHT REPORT:

R->1/13/25

Part Number:	**58111**			**Lot #**	
Lot Number:	**072424**	**Solvent:**	24002546	Nitric Acid	
Description:	**Sodium (Na)**				
		MG144 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



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	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 121724
Description: Zinc (Zn)

R → 1/13/25

M6145

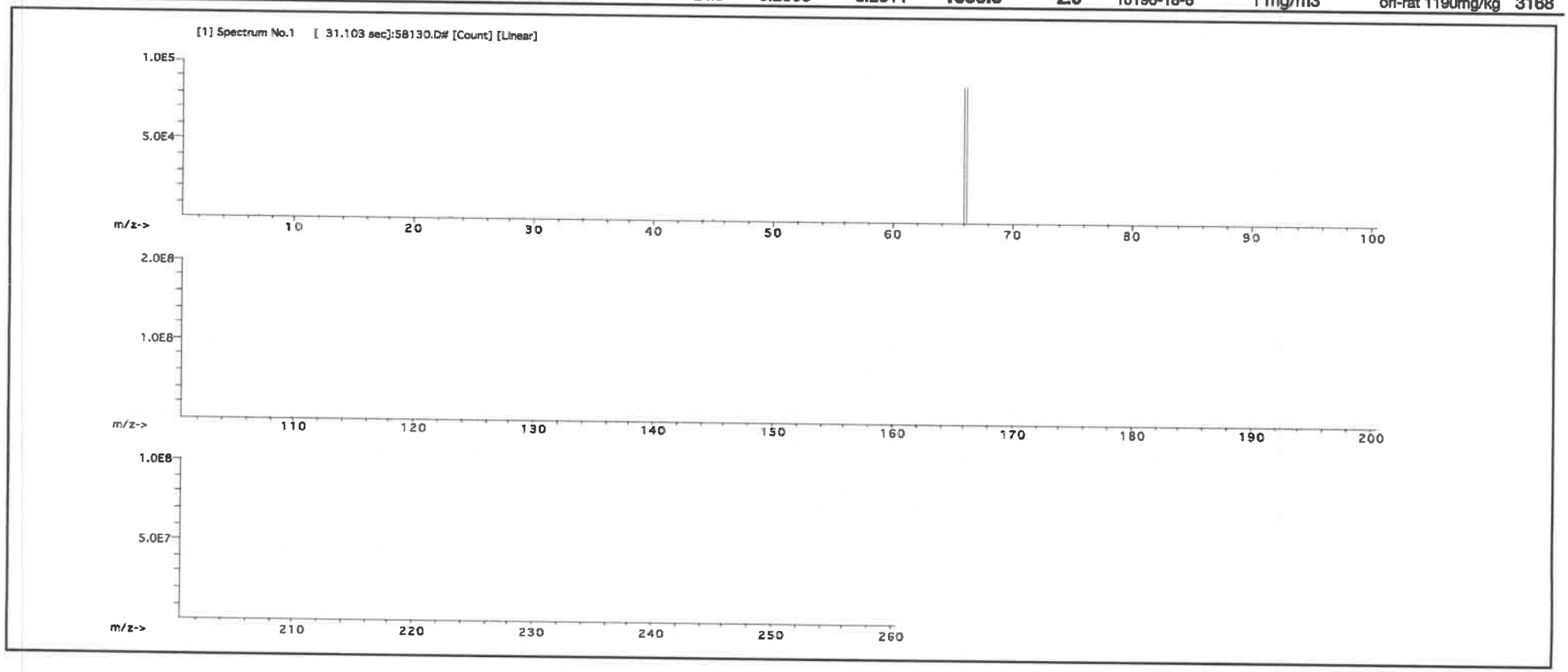
Expiration Date: 121727
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

				Lot #	
Solvent:			24012496	Nitric Acid	
	2%		40.0 (mL)	Nitric Acid	
		5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	121724
Reviewed By:	Pedro L. Rentas	121724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	8.2308	8.2311	**1000.0**	**2.0**	10196-18-6	1 mg/m3	ori-rat 1190mg/kg	3168



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	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* 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 : 4/20/21

QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

M6150

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) ***CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS***

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	CN^-	99

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:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000960	M	Eu	<	0.000480	O	Na		0.002964	M	Se	<	0.042000	M	Zn	0.004560
M	Al		0.003420	O	Fe		0.013225	M	Nb	<	0.000480	O	Si		0.012997	M	Zr	0.001847
M	As	<	0.007200	M	Ga	<	0.002900	M	Nd	<	0.000480	M	Sm	<	0.000480			
M	Au	<	0.003900	M	Gd	<	0.000480	O	Ni		0.001482	M	Sn	<	0.000480			
O	B	<	0.003200	M	Ge	<	0.004800	M	Os	<	0.001500	s	Sr	<				
M	Ba		0.638494	M	Hf	<	0.000480	O	P	<	0.017000	M	Ta	<	0.000480			
O	Be	<	0.000450	M	Hg	<	0.000960	M	Pb		0.010717	M	Tb	<	0.000480			
M	Bi	<	0.002000	M	Ho	<	0.000480	M	Pd	<	0.002000	M	Te	<	0.016000			
O	Ca		0.025083	M	In	<	0.008600	M	Pr		0.000547	M	Th	<	0.000480			
M	Cd	<	0.000960	M	Ir	<	0.000480	M	Pt	<	0.000480	M	Ti		0.004560			
M	Ce		0.000661	O	K		0.025083	M	Rb	<	0.003400	M	Tl	<	0.000480			
M	Co		0.001527	M	La	<	0.000480	M	Re	<	0.000480	M	Tm		0.004332			
O	Cr	<	0.004700	O	Li	<	0.005600	O	Rh	<	0.013000	M	U	<	0.000480			
M	Cs	<	0.000480	M	Lu	<	0.000480	M	Ru	<	0.000960	M	V	<	0.000960			
O	Cu	<	0.003800	O	Mg		0.001048	O	S	<	0.045000	M	W	<	0.002400			
M	Dy	<	0.000960	O	Mn		0.000319	M	Sb	<	0.009600	O	Y	<	0.001200			
M	Er	<	0.000480	M	Mo	<	0.002900	M	Sc	<	0.001500	M	Yb	<	0.000480			

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 $Sr(H_2O)_{6}^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

August 26, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- August 26, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor



Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R-02102/2025

M-6158

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Biosciences Production

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

m-5162

R. Date :- 04/27/2025

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	QCP-CICV-1
Lot Number:	V2-MEB744107
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 500 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 1 000 µg/mL ea: Aluminum, Barium, 500 µg/mL ea: Iron, 250 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 125 µg/mL ea: Silver, Copper, 100 µg/mL ea: Chromium, 25 µg/mL ea: Beryllium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	1 000 ± 4 µg/mL	Barium, Ba	1 000 ± 6 µg/mL
Beryllium, Be	24.98 ± 0.12 µg/mL	Calcium, Ca	2 500 ± 8 µg/mL
Chromium, Cr	99.9 ± 0.6 µg/mL	Cobalt, Co	250.2 ± 1.2 µg/mL
Copper, Cu	125.0 ± 0.5 µg/mL	Iron, Fe	500.0 ± 2.2 µg/mL
Magnesium, Mg	2 500 ± 11 µg/mL	Manganese, Mn	249.9 ± 1.1 µg/mL
Nickel, Ni	250.0 ± 1.2 µg/mL	Potassium, K	2 500 ± 11 µg/mL
Silver, Ag	125.0 ± 0.6 µg/mL	Sodium, Na	2 500 ± 11 µg/mL
Vanadium, V	250.0 ± 1.1 µg/mL	Zinc, Zn	249.9 ± 1.1 µg/mL

Density: 1.081 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

May 22, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **May 22, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

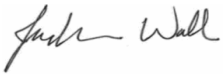
Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



INORGANIC VENTURES™
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-2
Lot Number:	U2-MEB733713
Matrix:	3% (w/v) Tartaric acid 1% (v/v) HNO3
Value / Analyte(s):	500 µg/mL ea: Antimony

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	**500.0 ± 2.8 µg/mL**		

Density: 1.017 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Sb	ICP Assay	3102a	140911

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance:
$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2
$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2
$u_{char\ a}$ = the errors from characterization
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 01, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 01, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

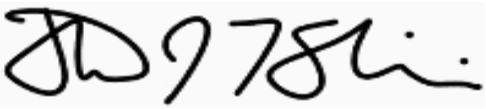
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

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-3
Lot Number:	V2-MEB749572
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	500 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 250 µg/mL ea: Cadmium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**500.0 ± 3.1 µg/mL**	**Cadmium, Cd**	**250.1 ± 1.1 µg/mL**
Lead, Pb	**500.0 ± 2.3 µg/mL**	**Selenium, Se**	**500.0 ± 3.2 µg/mL**
Thallium, Tl	**500.0 ± 3.0 µg/mL**		

Density: 1.040 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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

January 02, 2025

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 02, 2030**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

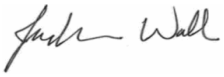
Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



INORGANIC VENTURES™
Refine your results. Redefine your industry.

A: 4/11/22

Certificate of Analysis

M5738, M5739, M5740, M5741, M5742, M5743

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ISS
Lot Number:	S2-MEB709511
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea:

Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6030

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57047
Lot Number: 122823
Description: Silver (Ag)

Expiration Date: 122826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

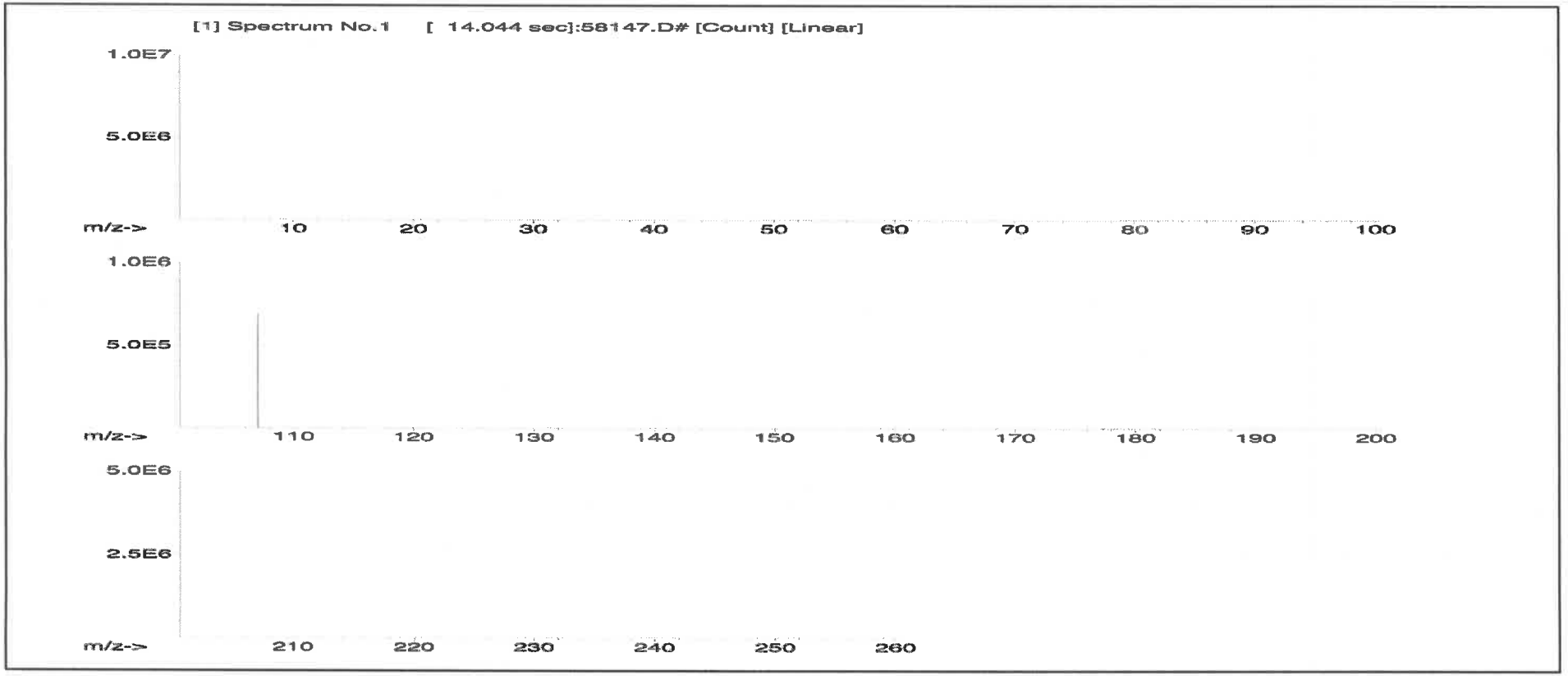
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

		Lot #	
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



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	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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

M6160

Part Number: 57051
Lot Number: 071724
Description: Antimony (Sb)

Expiration Date: 071727
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 2000.26

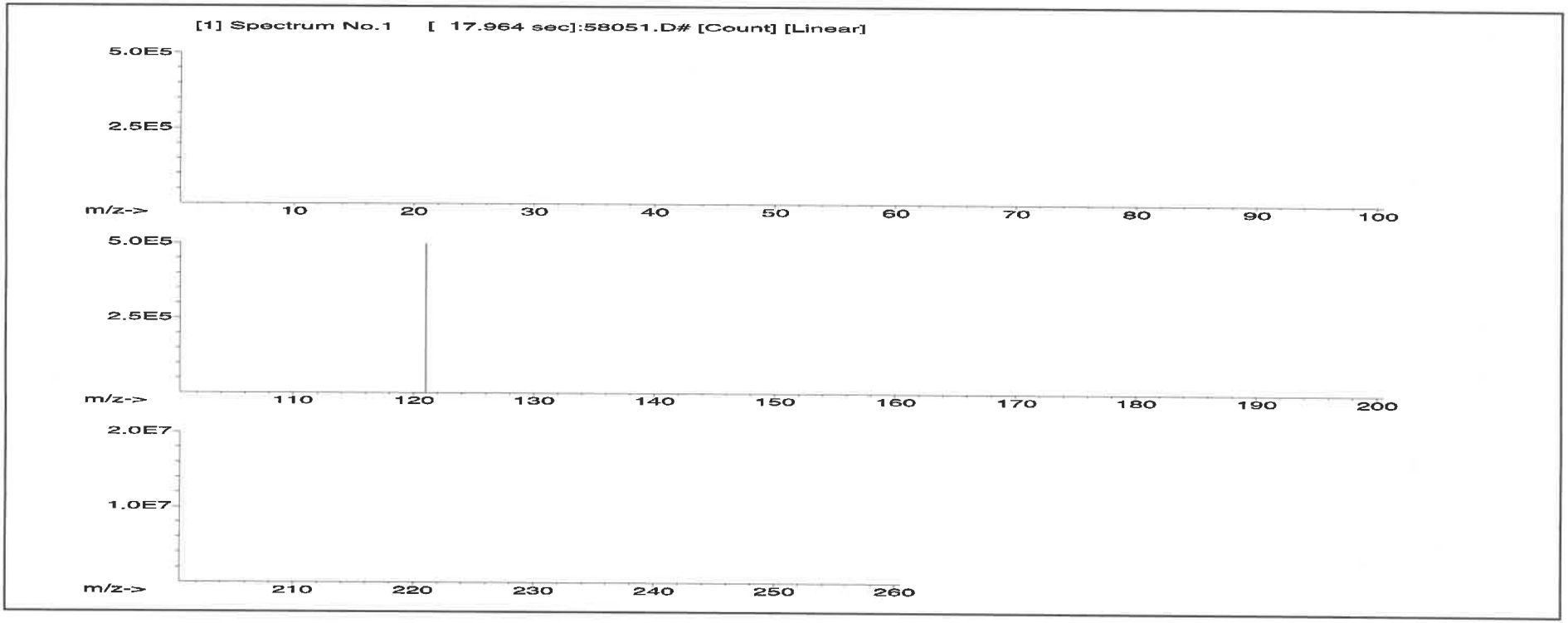
Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito
Formulated By: Giovanni Esposito 071724

Pedro Rentas
Reviewed By: Pedro L. Rentas 071724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Antimony (Sb)	58151	060324	0.1000	200.0	0.084	1000	10001.4	**1000.0**	**2.2**	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



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	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).

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

R: 8/5/24 M6019

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 888.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSR1
Lot Number:	U2-SR730227
Matrix:	0.1% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Strontium
Starting Material:	SrCO3
Starting Material Lot#:	M2-2192
Starting Material Purity:	99.9993%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 3 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985

Assay Method #2 **1001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #3 **1001 ± 2 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.001980	M	Eu	<	0.000495	O	Na		0.000200	M	Se	<	0.013862	O	Zn		0.000143
O	Al		0.000370	O	Fe		0.000410	M	Nb	<	0.000495	i	Si	<		M	Zr	<	0.000495
M	As	<	0.000495	M	Ga	<	0.000495	M	Nd	<	0.000495	M	Sm	<	0.000495				
M	Au	<	0.000989	M	Gd	<	0.000495	O	Ni	<	0.007631	M	Sn	<	0.000990				
M	B	<	0.039606	M	Ge	<	0.000495	M	Os	<	0.000494	s	Sr	<					
M	Ba		0.006486	M	Hf	<	0.000495	i	P	<		M	Ta	<	0.000495				
M	Be	<	0.000990	M	Hg	<	0.000989	M	Pb	<	0.002970	M	Tb	<	0.000495				
M	Bi	<	0.000495	M	Ho	<	0.000495	M	Pd	<	0.003957	M	Te	<	0.027724				
O	Ca		0.004255	M	In	<	0.000495	M	Pr	<	0.000495	M	Th	<	0.000990				
M	Cd		0.001339	M	Ir	<	0.000494	M	Pt	<	0.002970	M	Ti	<	0.005940				
M	Ce	<	0.004950	O	K	<	0.008184	M	Rb	<	0.002970	M	Tl	<	0.000495				
M	Co	<	0.000495	M	La	<	0.000495	M	Re	<	0.000495	M	Tm	<	0.000495				
O	Cr	<	0.003207	O	Li	<	0.000884	O	Rh	<	0.012829	M	U	<	0.001485				
M	Cs	<	0.000990	M	Lu	<	0.002970	M	Ru	<	0.000989	M	V	<	0.001980				
M	Cu		0.000099	O	Mg		0.000064	i	S	<		M	W	<	0.003960				
M	Dy	<	0.000495	O	Mn		0.000066	M	Sb	<	0.014852	O	Y	<	0.000995				
M	Er	<	0.000495	M	Mo	<	0.001980	M	Sc	<	0.001980	M	Yb	<	0.000495				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 $Sr(H_2O)_{6}^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 03, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 03, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6023

R ! 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

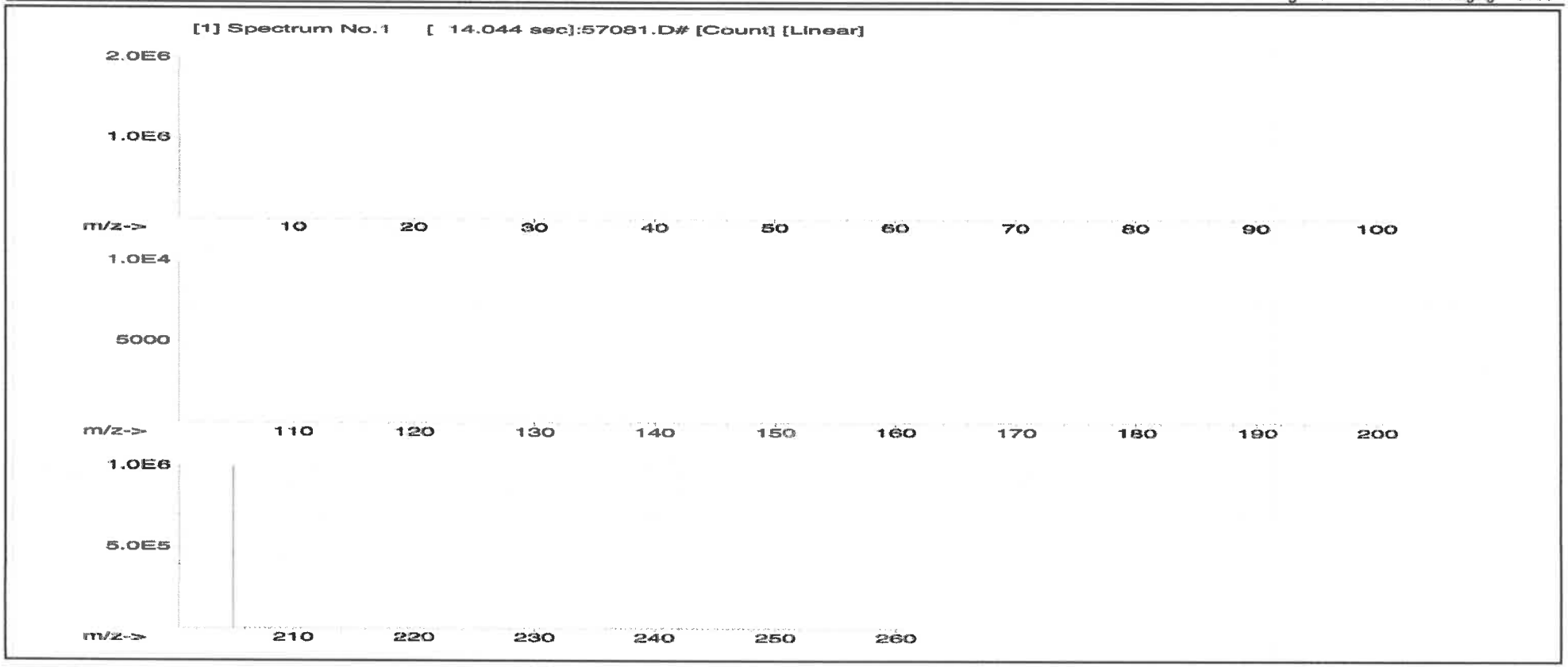
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



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	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6021

Rc. 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**	24002546	Nitric Acid	
Description:	**Vanadium (V)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

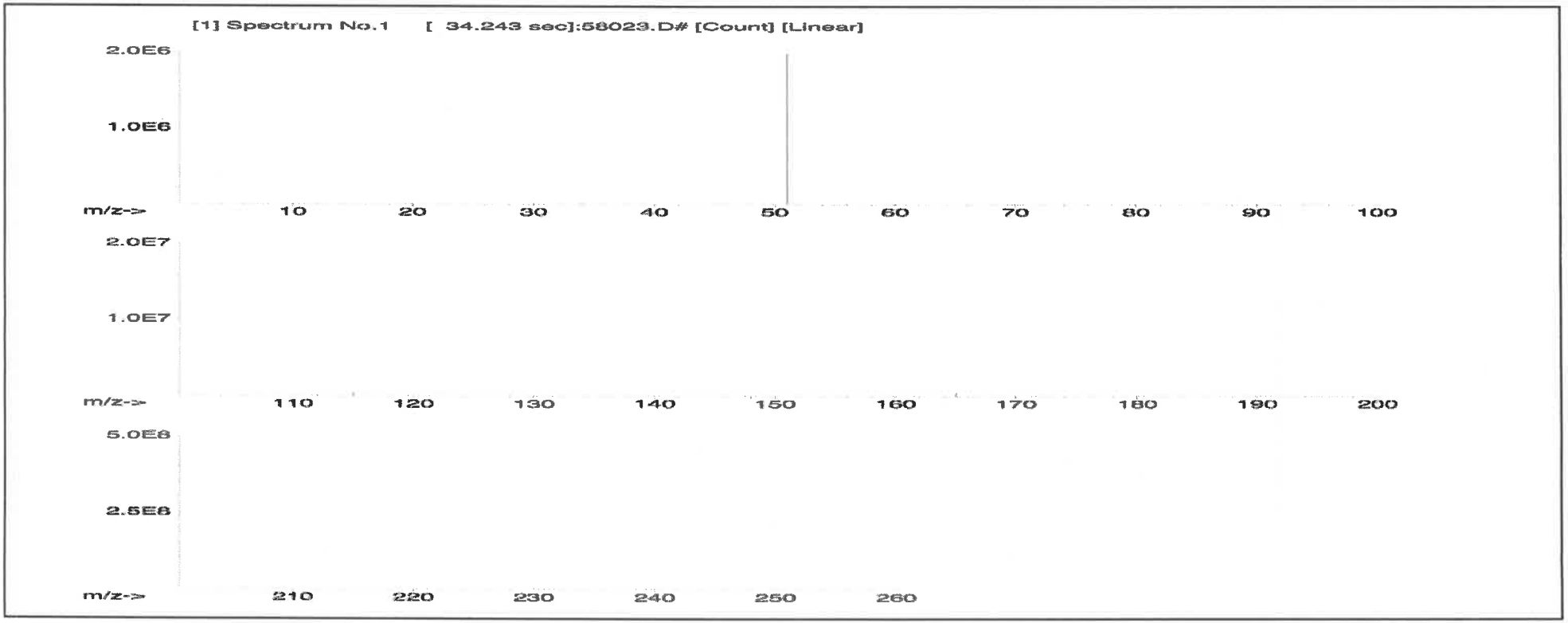
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

SHIPPING DOCUMENTS

Q2555

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	B. Fortier

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Cyanide	SPLP RCP Metals - 6020		
	OU4-TS-29-070925	7/9/25	10:30	G	SO		3	2	1				X	X	X	X	X	X	X	X		
	OU4-TS-30-070925	7/9/25	10:45	G	SO		3	2	1				X	X	X	X	X	X	X	X		

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/9/25 1200
Received by: (signature)	Date/Time: 7/10/25 1000
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

If Cond 4.3

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2555 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/10/2025 10:17:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/10/2025 10:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2555-01	OU4-TS-29-070925	Solid	07/09/2025	10:30					
					VOCMS Group3		8260D		10 Bus. Days
Q2555-03	OU4-TS-30-070925	Solid	07/09/2025	10:45					
					VOCMS Group3		8260D		10 Bus. Days

Relinguished By : CA
Date / Time : 7/10/25 13:05

Received By : Sam
Date / Time : 07/10/25 13:05 Night Box

Storage Area : VOA Refridgerator Room