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 : Q2638

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q2638

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 13

9) Sample Data 16

- 9.1) OU4-TS-31-071725 17
- 9.2) OU4-TS-32-071725 18
- 9.3) OU4-TS-33-071725 19
- 9.4) OU4-TS-34-071725 20
- 9.5) OU4-TS-35-071725 21
- 9.6) OU4-TS-36-071725 22
- 9.7) OU4-TS-37-071725 23

10) METALS CALIBRATION DATA 24

- 10.1) Initial and Continuing Calibration Verification 25
- 10.2) CRDL Standard For AA & ICP 36
- 10.3) Initial and Continuing Calibration Blank Summary 37
- 10.4) Preparation Blank Summary 46
- 10.5) Interference Check Sample 48

11) METALS QC DATA 50

- 11.1) Matrix Spike Summary 51
- 11.2) Post Digest Spike Summary 53
- 11.3) Duplicate Sample Summary 54
- 11.4) Laboratory Control Sample Summary 56
- 11.5) Internal Standard Relative Intensity Summary8A 58
- 11.6) Internal Standard Relative Intensity Summary8B 68
- 11.7) ICP Serial Dilutions 78

12) METALS PREPARATION & INSTRUMENT DATA 79

13) PREPARATION & ANALYTICAL SUMMARY 80

- 13.1) Sample Preparation Summary 81
- 13.2) Analysis Run Log 83

14) METALS RAW DATA 87

14.1) METALS RAW DATA - ANALYTICAL 88
14.2) LB136570 88
14.3) LB136576 90
14.4) LB136601 615
14.5) METALS RAW DATA - PREP 948
14.5.1) PB168959 948
14.5.2) PB168937 951
15) Analytical Runlogs 954
16) Extraction Logs 966
16.1) PB168916.pdf 966
17) Standard Prep Logs 970
18) Shipping Document 1129
18.1) Chain Of Custody 1130
18.2) Lab Certificate 1131
18.3) Internal COC 1132

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

Cover Page

Order ID : Q2638

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2638-01	OU4-TS-31-071725
Q2638-02	OU4-TS-31-071725
Q2638-03	OU4-TS-32-071725
Q2638-04	OU4-TS-32-071725
Q2638-05	OU4-TS-33-071725
Q2638-06	OU4-TS-33-071725
Q2638-07	OU4-TS-34-071725
Q2638-08	OU4-TS-34-071725
Q2638-09	OU4-TS-35-071725
Q2638-10	OU4-TS-35-071725
Q2638-11	OU4-TS-36-071725
Q2638-12	OU4-TS-36-071725
Q2638-13	OU4-TS-37-071725
Q2638-14	OU4-TS-37-071725

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 Sohil Jodhani, QA/QC Director at 9:47 am, Jul 30, 2025

Date: 7/28/2025

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 # Q2638
Test Name: SPLP Mercury,SPLP MetalGroup3

A. Number of Samples and Date of Receipt:
14 Solid samples were received on 07/18/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals Group6, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for SPLP Mercury, SPLP MetalGroup3.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (OU4-TS-44-071725MS) analysis met criteria for all compounds except for Antimony, Barium, Chromium, Lead, Silver, Thallium and Vanadium due to Chemical interference during Digestion process.
The Matrix Spike Duplicate (OU4-TS-44-071725MSD) analysis met criteria for all compounds except for Antimony, Barium, Chromium, Lead, Silver, Thallium and Vanadium 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-44-071725A) analysis met criteria for all compounds except for Antimony, Barium, Chromium, Lead, Silver and Vanadium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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

Q2638 SPLP Metals Group3 all samples diluted 5X Straight due to SPLP fluid which cannot be injected as is without dilution to avoid damage to detector of instrument.

Internal standard 89Y(1) and 89Y(2) was outside qc limit for samples Q2638-04 in Original so for these samples affected parameters are reported from its Dilution.

Internal standard 89Y(1) was outside qc limit for samples Q2638-02, Q2638-06, Q2638-08, Q2638-10, Q2638-12 and Q2638-14 in Original so for these samples affected parameters are reported from its Dilution.

Internal standard 209Bi(1) was outside qc limit for samples Q2638-02, Q2638-04, Q2638-06, Q2638-08, Q2638-10, Q2638-12 and Q2638-14 in Original so for these samples affected parameters are reported from its Dilution.

Internal standard 89Y(1 and 2), 209Bi(1) was outside qc limit for samples Q2639-14Qcs in Original so for these samples affected parameters are reported from its Dilution.

In analytical sequence LB136601, The % recovery was outside of acceptance limit for Beryllium of ICV01, LLICV01 and CCV01 but no any samples parameter associated under this calibration.

In analytical sequence LB136601, The % recovery was outside of acceptance limit for Beryllium and Nickel of ICSAB01 but, no any samples parameter associated under this ICSAB.

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

Signature 

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

QA Control # A3040961

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

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2638 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-44-071725MS) analysis met criteria for all compounds except for Antimony, Barium, Chromium, Lead, Silver, Thallium and Vanadium due to Chemical interference during Digestion process. The Matrix Spike Duplicate (OU4-TS-44-071725MSD) analysis met criteria for all compounds except for Antimony, Barium, Chromium, Lead, Silver, Thallium and Vanadium due to Chemical interference during Digestion process.			
7.	Sample Duplicate Analysis Met QC Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
8.	Digestion Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

The Post Digest Spike (OU4-TS-44-071725A) analysis met criteria for all compounds except for Antimony, Barium, Chromium, Lead, Silver and Vanadium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

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

Q2638 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 Q2638-04 in Original so for these samples affected parameters are reported from its Dilution.

Internal standard 89Y(1) was outside qc limit for samples Q2638-02, Q2638-06, Q2638-08, Q2638-10, Q2638-12 and Q2638-14 in Original so for these samples affected parameters are reported from its Dilution.

Internal standard 209Bi(1) was outside qc limit for samples Q2638-02, Q2638-04, Q2638-06, Q2638-08, Q2638-10, Q2638-12 and Q2638-14 in Original so for these samples affected parameters are reported from its Dilution.

Internal standard 89Y(1and 2), 209Bi(1) was outside qc limit for samples Q2639-14Qcs in Original so for these samples affected parameters are reported from its Dilution.

In analytical sequence LB136601, The % recovery was outside of acceptance limit for Beryllium of ICV01 , LLICV01 and CCV01 but no any samples parameter associated under these calibration.

In analytical sequence LB136601, The % recovery was outside of acceptance limit for Beryllium and Nickel of ICSAB01 but, no any samples parameter associated under this ICSAB.

QA REVIEW

APPROVED
By Sohil Jodhani, QA/QC Director at 9:47 am, Jul 30, 2025

Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2638

	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:** 07/28/2025

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

LAB CHRONICLE

OrderID:	Q2638	**OrderDate:**	7/18/2025 10:07:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2638-01	**OU4-TS-31-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-02	**OU4-TS-31-071725**	**Water**			**07/17/25**			**07/18/25**
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
Q2638-03	**OU4-TS-32-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-04	**OU4-TS-32-071725**	**Water**			**07/17/25**			**07/18/25**
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	
Q2638-05	**OU4-TS-33-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-06	**OU4-TS-33-071725**	**Water**			**07/17/25**			**07/18/25**
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	
Q2638-07	**OU4-TS-34-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-08	**OU4-TS-34-071725**	**Water**			**07/17/25**			**07/18/25**
			SPLP Mercury	7470A		07/21/25	07/22/25	

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

LAB CHRONICLE

			SPLP MetalGroup3	6020B		07/21/25	07/22/25
			SPLP MetalGroup3	6020B		07/21/25	07/24/25
Q2638-09	**OU4-TS-35-071725**	**SOIL**			**07/17/25**		**07/18/25**
			Mercury	7471B		07/18/25	07/21/25
			Metals ICP-TAL	6010D		07/18/25	07/21/25
Q2638-10	**OU4-TS-35-071725**	**Water**			**07/17/25**		**07/18/25**
			SPLP Mercury	7470A		07/21/25	07/22/25
			SPLP MetalGroup3	6020B		07/21/25	07/22/25
			SPLP MetalGroup3	6020B		07/21/25	07/24/25
Q2638-11	**OU4-TS-36-071725**	**SOIL**			**07/17/25**		**07/18/25**
			Mercury	7471B		07/18/25	07/21/25
			Metals ICP-TAL	6010D		07/18/25	07/21/25
Q2638-12	**OU4-TS-36-071725**	**Water**			**07/17/25**		**07/18/25**
			SPLP Mercury	7470A		07/21/25	07/22/25
			SPLP MetalGroup3	6020B		07/21/25	07/22/25
			SPLP MetalGroup3	6020B		07/21/25	07/24/25
Q2638-13	**OU4-TS-37-071725**	**SOIL**			**07/17/25**		**07/18/25**
			Mercury	7471B		07/18/25	07/21/25
			Metals ICP-TAL	6010D		07/18/25	07/21/25
Q2638-14	**OU4-TS-37-071725**	**Water**			**07/17/25**		**07/18/25**
			SPLP Mercury	7470A		07/21/25	07/22/25
			SPLP MetalGroup3	6020B		07/21/25	07/22/25
			SPLP MetalGroup3	6020B		07/21/25	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.: Q2638 **Order ID:** Q2638

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-31-071725									
Q2638-02	OU4-TS-31-071725	Water	Antimony	13.4	D	0.55	1.25	10.0	ug/L
Q2638-02	OU4-TS-31-071725	Water	Arsenic	63.3	D	0.45	1.25	5.00	ug/L
Q2638-02	OU4-TS-31-071725	Water	Barium	120	D	1.05	6.25	50.0	ug/L
Q2638-02	OU4-TS-31-071725	Water	Cadmium	8.75	D	1.70	2.50	5.00	ug/L
Q2638-02	OU4-TS-31-071725	Water	Chromium	50.4	D	1.05	3.75	10.0	ug/L
Q2638-02	OU4-TS-31-071725	Water	Copper	381	D	1.50	7.50	10.0	ug/L
Q2638-02	OU4-TS-31-071725	Water	Lead	82.3	D	5.25	18.8	25.0	ug/L
Q2638-02	OU4-TS-31-071725	Water	Nickel	151	D	1.35	3.75	5.00	ug/L
Q2638-02	OU4-TS-31-071725	Water	Mercury	0.081	J	0.076	0.16	0.20	ug/L
Q2638-02	OU4-TS-31-071725	Water	Silver	3.55	JD	0.30	2.50	5.00	ug/L
Q2638-02	OU4-TS-31-071725	Water	Thallium	2.25	JD	1.50	12.5	25.0	ug/L
Q2638-02	OU4-TS-31-071725	Water	Vanadium	126	D	0.39	1.25	25.0	ug/L
Q2638-02	OU4-TS-31-071725	Water	Zinc	1780	D	6.25	7.50	25.0	ug/L
Client ID : OU4-TS-32-071725									
Q2638-04	OU4-TS-32-071725	Water	Antimony	9.70	JD	0.55	1.25	10.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Arsenic	111	D	4.45	12.5	50.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Barium	182	D	1.05	6.25	50.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Cadmium	11.8	D	1.70	2.50	5.00	ug/L
Q2638-04	OU4-TS-32-071725	Water	Chromium	106	D	1.05	3.75	10.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Copper	786	D	1.50	7.50	10.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Lead	147	D	5.25	18.8	25.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Nickel	282	D	1.35	3.75	5.00	ug/L
Q2638-04	OU4-TS-32-071725	Water	Mercury	0.35		0.076	0.16	0.20	ug/L
Q2638-04	OU4-TS-32-071725	Water	Silver	2.45	JD	0.30	2.50	5.00	ug/L
Q2638-04	OU4-TS-32-071725	Water	Thallium	2.50	JD	1.50	12.5	25.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Vanadium	200	D	0.39	1.25	25.0	ug/L
Q2638-04	OU4-TS-32-071725	Water	Zinc	1970	D	6.25	7.50	25.0	ug/L
Client ID : OU4-TS-33-071725									
Q2638-06	OU4-TS-33-071725	Water	Antimony	8.40	JD	0.55	1.25	10.0	ug/L
Q2638-06	OU4-TS-33-071725	Water	Arsenic	70.2	D	0.45	1.25	5.00	ug/L
Q2638-06	OU4-TS-33-071725	Water	Barium	115	D	1.05	6.25	50.0	ug/L
Q2638-06	OU4-TS-33-071725	Water	Cadmium	9.50	D	1.70	2.50	5.00	ug/L
Q2638-06	OU4-TS-33-071725	Water	Chromium	66.0	D	1.05	3.75	10.0	ug/L
Q2638-06	OU4-TS-33-071725	Water	Copper	604	D	1.50	7.50	10.0	ug/L
Q2638-06	OU4-TS-33-071725	Water	Lead	99.8	D	5.25	18.8	25.0	ug/L
Q2638-06	OU4-TS-33-071725	Water	Nickel	205	D	1.35	3.75	5.00	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: Q2638 **Order ID:** Q2638

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-06	OU4-TS-33-071725	Water	Silver	1.90	JD	0.30	2.50	5.00	ug/L
Q2638-06	OU4-TS-33-071725	Water	Thallium	2.00	JD	1.50	12.5	25.0	ug/L
Q2638-06	OU4-TS-33-071725	Water	Vanadium	145	D	0.39	1.25	25.0	ug/L
Q2638-06	OU4-TS-33-071725	Water	Zinc	1760	D	6.25	7.50	25.0	ug/L
Client ID :	**OU4-TS-34-071725**								
Q2638-08	OU4-TS-34-071725	Water	Antimony	7.30	JD	0.55	1.25	10.0	ug/L
Q2638-08	OU4-TS-34-071725	Water	Arsenic	52.5	D	0.45	1.25	5.00	ug/L
Q2638-08	OU4-TS-34-071725	Water	Barium	125	D	1.05	6.25	50.0	ug/L
Q2638-08	OU4-TS-34-071725	Water	Cadmium	11.6	D	1.70	2.50	5.00	ug/L
Q2638-08	OU4-TS-34-071725	Water	Chromium	51.0	D	1.05	3.75	10.0	ug/L
Q2638-08	OU4-TS-34-071725	Water	Copper	371	D	1.50	7.50	10.0	ug/L
Q2638-08	OU4-TS-34-071725	Water	Lead	52.5	D	10.5	37.5	50.0	ug/L
Q2638-08	OU4-TS-34-071725	Water	Nickel	230	D	1.35	3.75	5.00	ug/L
Q2638-08	OU4-TS-34-071725	Water	Silver	1.50	JD	0.30	2.50	5.00	ug/L
Q2638-08	OU4-TS-34-071725	Water	Vanadium	78.8	D	0.39	1.25	25.0	ug/L
Q2638-08	OU4-TS-34-071725	Water	Zinc	2020	D	6.25	7.50	25.0	ug/L
Client ID :	**OU4-TS-35-071725**								
Q2638-10	OU4-TS-35-071725	Water	Antimony	8.70	JD	0.55	1.25	10.0	ug/L
Q2638-10	OU4-TS-35-071725	Water	Arsenic	42.7	D	0.45	1.25	5.00	ug/L
Q2638-10	OU4-TS-35-071725	Water	Barium	84.6	D	1.05	6.25	50.0	ug/L
Q2638-10	OU4-TS-35-071725	Water	Beryllium	3.05	JD	1.60	3.75	5.00	ug/L
Q2638-10	OU4-TS-35-071725	Water	Cadmium	12.3	D	1.70	2.50	5.00	ug/L
Q2638-10	OU4-TS-35-071725	Water	Chromium	171	D	1.05	3.75	10.0	ug/L
Q2638-10	OU4-TS-35-071725	Water	Copper	1400	D	1.50	7.50	10.0	ug/L
Q2638-10	OU4-TS-35-071725	Water	Lead	240	D	10.5	37.5	50.0	ug/L
Q2638-10	OU4-TS-35-071725	Water	Nickel	227	D	1.35	3.75	5.00	ug/L
Q2638-10	OU4-TS-35-071725	Water	Mercury	0.28		0.076	0.16	0.20	ug/L
Q2638-10	OU4-TS-35-071725	Water	Silver	2.05	JD	0.30	2.50	5.00	ug/L
Q2638-10	OU4-TS-35-071725	Water	Vanadium	204	D	0.39	1.25	25.0	ug/L
Q2638-10	OU4-TS-35-071725	Water	Zinc	1860	D	6.25	7.50	25.0	ug/L
Client ID :	**OU4-TS-36-071725**								
Q2638-12	OU4-TS-36-071725	Water	Antimony	9.10	JD	0.55	1.25	10.0	ug/L
Q2638-12	OU4-TS-36-071725	Water	Arsenic	45.4	D	0.45	1.25	5.00	ug/L
Q2638-12	OU4-TS-36-071725	Water	Barium	88.1	D	1.05	6.25	50.0	ug/L
Q2638-12	OU4-TS-36-071725	Water	Beryllium	3.50	JD	1.60	3.75	5.00	ug/L
Q2638-12	OU4-TS-36-071725	Water	Cadmium	11.9	D	1.70	2.50	5.00	ug/L
Q2638-12	OU4-TS-36-071725	Water	Chromium	182	D	1.05	3.75	10.0	ug/L
Q2638-12	OU4-TS-36-071725	Water	Copper	1430	D	1.50	7.50	10.0	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: Q2638 **Order ID:** Q2638

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-12	OU4-TS-36-071725	Water	Lead	255	D	10.5	37.5	50.0	ug/L
Q2638-12	OU4-TS-36-071725	Water	Nickel	205	D	1.35	3.75	5.00	ug/L
Q2638-12	OU4-TS-36-071725	Water	Mercury	0.30		0.076	0.16	0.20	ug/L
Q2638-12	OU4-TS-36-071725	Water	Silver	1.95	JD	0.30	2.50	5.00	ug/L
Q2638-12	OU4-TS-36-071725	Water	Vanadium	198	D	0.39	1.25	25.0	ug/L
Q2638-12	OU4-TS-36-071725	Water	Zinc	1820	D	6.25	7.50	25.0	ug/L
Client ID :	**OU4-TS-37-071725**								
Q2638-14	OU4-TS-37-071725	Water	Antimony	8.90	JD	0.55	1.25	10.0	ug/L
Q2638-14	OU4-TS-37-071725	Water	Arsenic	45.5	D	0.45	1.25	5.00	ug/L
Q2638-14	OU4-TS-37-071725	Water	Barium	87.5	D	1.05	6.25	50.0	ug/L
Q2638-14	OU4-TS-37-071725	Water	Beryllium	3.45	JD	1.60	3.75	5.00	ug/L
Q2638-14	OU4-TS-37-071725	Water	Cadmium	14.9	D	1.70	2.50	5.00	ug/L
Q2638-14	OU4-TS-37-071725	Water	Chromium	193	D	1.05	3.75	10.0	ug/L
Q2638-14	OU4-TS-37-071725	Water	Copper	1650	D	1.50	7.50	10.0	ug/L
Q2638-14	OU4-TS-37-071725	Water	Lead	272	D	5.25	18.8	25.0	ug/L
Q2638-14	OU4-TS-37-071725	Water	Nickel	230	D	1.35	3.75	5.00	ug/L
Q2638-14	OU4-TS-37-071725	Water	Mercury	0.17	J	0.076	0.16	0.20	ug/L
Q2638-14	OU4-TS-37-071725	Water	Silver	2.05	JD	0.30	2.50	5.00	ug/L
Q2638-14	OU4-TS-37-071725	Water	Thallium	1.75	JD	1.50	12.5	25.0	ug/L
Q2638-14	OU4-TS-37-071725	Water	Vanadium	223	D	0.39	1.25	25.0	ug/L
Q2638-14	OU4-TS-37-071725	Water	Zinc	2040	D	6.25	7.50	25.0	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-02	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	13.4	DN	5	0.55	1.25	10.0	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-38-2	Arsenic	63.3	D	5	0.45	1.25	5.00	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-39-3	Barium	120	DN	5	1.05	6.25	50.0	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-43-9	Cadmium	8.75	D	5	1.70	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-47-3	Chromium	50.4	DN	5	1.05	3.75	10.0	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-50-8	Copper	381	D	5	1.50	7.50	10.0	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7439-92-1	Lead	82.3	DN	25	5.25	18.8	25.0	ug/L	07/21/25 11:30	07/22/25 22:15	6020B	3010A
7439-97-6	Mercury	0.081	J	1	0.076	0.16	0.20	ug/L	07/21/25 13:30	07/22/25 15:39	7470A	
7440-02-0	Nickel	151	D	5	1.35	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7782-49-2	Selenium	113	UD	25	72.5	113	125	ug/L	07/21/25 11:30	07/22/25 22:15	6020B	3010A
7440-22-4	Silver	3.55	JDN	5	0.30	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-28-0	Thallium	2.25	JDN	25	1.50	12.5	25.0	ug/L	07/21/25 11:30	07/22/25 22:15	6020B	3010A
7440-62-2	Vanadium	126	DN	5	0.39	1.25	25.0	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A
7440-66-6	Zinc	1780	D	5	6.25	7.50	25.0	ug/L	07/21/25 11:30	07/22/25 17:21	6020B	3010A

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

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

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-04	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	9.70	JDN	5	0.55	1.25	10.0	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7440-38-2	Arsenic	111	D	50	4.45	12.5	50.0	ug/L	07/21/25 11:30	07/24/25 12:34	6020B	3010A
7440-39-3	Barium	182	DN	5	1.05	6.25	50.0	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7440-43-9	Cadmium	11.8	D	5	1.70	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7440-47-3	Chromium	106	DN	5	1.05	3.75	10.0	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7440-50-8	Copper	786	D	5	1.50	7.50	10.0	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7439-92-1	Lead	147	DN	25	5.25	18.8	25.0	ug/L	07/21/25 11:30	07/22/25 22:18	6020B	3010A
7439-97-6	Mercury	0.35		1	0.076	0.16	0.20	ug/L	07/21/25 13:30	07/22/25 15:42	7470A	
7440-02-0	Nickel	282	D	5	1.35	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/21/25 11:30	07/24/25 12:34	6020B	3010A
7440-22-4	Silver	2.45	JDN	5	0.30	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7440-28-0	Thallium	2.50	JDN	25	1.50	12.5	25.0	ug/L	07/21/25 11:30	07/22/25 22:18	6020B	3010A
7440-62-2	Vanadium	200	DN	5	0.39	1.25	25.0	ug/L	07/21/25 11:30	07/22/25 17:25	6020B	3010A
7440-66-6	Zinc	1970	D	5	6.25	7.50	25.0	ug/L	07/21/25 11:30	07/22/25 17:25	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	8.40	JDN	5	0.55	1.25	10.0	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-38-2	Arsenic	70.2	D	5	0.45	1.25	5.00	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-39-3	Barium	115	DN	5	1.05	6.25	50.0	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-43-9	Cadmium	9.50	D	5	1.70	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-47-3	Chromium	66.0	DN	5	1.05	3.75	10.0	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-50-8	Copper	604	D	5	1.50	7.50	10.0	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7439-92-1	Lead	99.8	DN	25	5.25	18.8	25.0	ug/L	07/21/25 11:30	07/22/25 22:21	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	07/21/25 13:30	07/22/25 15:44	7470A	
7440-02-0	Nickel	205	D	5	1.35	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/21/25 11:30	07/24/25 12:50	6020B	3010A
7440-22-4	Silver	1.90	JDN	5	0.30	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-28-0	Thallium	2.00	JDN	25	1.50	12.5	25.0	ug/L	07/21/25 11:30	07/22/25 22:21	6020B	3010A
7440-62-2	Vanadium	145	DN	5	0.39	1.25	25.0	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A
7440-66-6	Zinc	1760	D	5	6.25	7.50	25.0	ug/L	07/21/25 11:30	07/22/25 17:28	6020B	3010A

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

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

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	7.30	JDN	5	0.55	1.25	10.0	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-38-2	Arsenic	52.5	D	5	0.45	1.25	5.00	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-39-3	Barium	125	DN	5	1.05	6.25	50.0	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-43-9	Cadmium	11.6	D	5	1.70	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-47-3	Chromium	51.0	DN	5	1.05	3.75	10.0	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-50-8	Copper	371	D	5	1.50	7.50	10.0	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7439-92-1	Lead	52.5	DN	50	10.5	37.5	50.0	ug/L	07/21/25 11:30	07/24/25 12:53	6020B	3010A
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	07/21/25 13:30	07/22/25 15:46	7470A	
7440-02-0	Nickel	230	D	5	1.35	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/21/25 11:30	07/24/25 12:53	6020B	3010A
7440-22-4	Silver	1.50	JDN	5	0.30	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-28-0	Thallium	25.0	UDN	50	3.00	25.0	50.0	ug/L	07/21/25 11:30	07/24/25 12:53	6020B	3010A
7440-62-2	Vanadium	78.8	DN	5	0.39	1.25	25.0	ug/L	07/21/25 11:30	07/22/25 17:31	6020B	3010A
7440-66-6	Zinc	2020	D	5	6.25	7.50	25.0	ug/L	07/21/25 11:30	07/22/25 17:31	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	8.70	JDN	5	0.55	1.25	10.0	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-38-2	Arsenic	42.7	D	5	0.45	1.25	5.00	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-39-3	Barium	84.6	DN	5	1.05	6.25	50.0	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-41-7	Beryllium	3.05	JD	5	1.60	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-43-9	Cadmium	12.3	D	5	1.70	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-47-3	Chromium	171	DN	5	1.05	3.75	10.0	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-50-8	Copper	1400	D	5	1.50	7.50	10.0	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7439-92-1	Lead	240	DN	50	10.5	37.5	50.0	ug/L	07/21/25 11:30	07/24/25 12:56	6020B	3010A
7439-97-6	Mercury	0.28		1	0.076	0.16	0.20	ug/L	07/21/25 13:30	07/22/25 15:48	7470A	
7440-02-0	Nickel	227	D	5	1.35	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/21/25 11:30	07/24/25 12:56	6020B	3010A
7440-22-4	Silver	2.05	JDN	5	0.30	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-28-0	Thallium	25.0	UDN	50	3.00	25.0	50.0	ug/L	07/21/25 11:30	07/24/25 12:56	6020B	3010A
7440-62-2	Vanadium	204	DN	5	0.39	1.25	25.0	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A
7440-66-6	Zinc	1860	D	5	6.25	7.50	25.0	ug/L	07/21/25 11:30	07/22/25 17:34	6020B	3010A

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

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

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-12	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	9.10	JDN	5	0.55	1.25	10.0	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-38-2	Arsenic	45.4	D	5	0.45	1.25	5.00	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-39-3	Barium	88.1	DN	5	1.05	6.25	50.0	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-41-7	Beryllium	3.50	JD	5	1.60	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-43-9	Cadmium	11.9	D	5	1.70	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-47-3	Chromium	182	DN	5	1.05	3.75	10.0	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-50-8	Copper	1430	D	5	1.50	7.50	10.0	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7439-92-1	Lead	255	DN	50	10.5	37.5	50.0	ug/L	07/21/25 11:30	07/24/25 12:59	6020B	3010A
7439-97-6	Mercury	0.30		1	0.076	0.16	0.20	ug/L	07/21/25 13:30	07/22/25 16:01	7470A	
7440-02-0	Nickel	205	D	5	1.35	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/21/25 11:30	07/24/25 12:59	6020B	3010A
7440-22-4	Silver	1.95	JDN	5	0.30	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-28-0	Thallium	25.0	UDN	50	3.00	25.0	50.0	ug/L	07/21/25 11:30	07/24/25 12:59	6020B	3010A
7440-62-2	Vanadium	198	DN	5	0.39	1.25	25.0	ug/L	07/21/25 11:30	07/22/25 17:37	6020B	3010A
7440-66-6	Zinc	1820	D	5	6.25	7.50	25.0	ug/L	07/21/25 11:30	07/22/25 17:37	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-14	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	8.90	JDN	5	0.55	1.25	10.0	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-38-2	Arsenic	45.5	D	5	0.45	1.25	5.00	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-39-3	Barium	87.5	DN	5	1.05	6.25	50.0	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-41-7	Beryllium	3.45	JD	5	1.60	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-43-9	Cadmium	14.9	D	5	1.70	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-47-3	Chromium	193	DN	5	1.05	3.75	10.0	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-50-8	Copper	1650	D	5	1.50	7.50	10.0	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7439-92-1	Lead	272	DN	25	5.25	18.8	25.0	ug/L	07/21/25 11:30	07/22/25 22:24	6020B	3010A
7439-97-6	Mercury	0.17	J	1	0.076	0.16	0.20	ug/L	07/21/25 13:30	07/22/25 16:03	7470A	
7440-02-0	Nickel	230	D	5	1.35	3.75	5.00	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7782-49-2	Selenium	225	UD	50	145	225	250	ug/L	07/21/25 11:30	07/24/25 13:03	6020B	3010A
7440-22-4	Silver	2.05	JDN	5	0.30	2.50	5.00	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-28-0	Thallium	1.75	JDN	25	1.50	12.5	25.0	ug/L	07/21/25 11:30	07/22/25 22:24	6020B	3010A
7440-62-2	Vanadium	223	DN	5	0.39	1.25	25.0	ug/L	07/21/25 11:30	07/22/25 17:40	6020B	3010A
7440-66-6	Zinc	2040	D	5	6.25	7.50	25.0	ug/L	07/21/25 11:30	07/22/25 17:40	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.: Q2638
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
ICV36	Mercury	3.82	4.0	96	90 - 110	CV	07/22/2025	15:13	LB136570

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.:** Q2638

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
CCV34	Mercury	4.50	5.0	90	90 - 110	CV	07/22/2025	15:17	LB136570
CCV35	Mercury	4.91	5.0	98	90 - 110	CV	07/22/2025	15:54	LB136570
CCV36	Mercury	5.27	5.0	105	90 - 110	CV	07/22/2025	16:28	LB136570
CCV37	Mercury	5.14	5.0	103	90 - 110	CV	07/22/2025	16:58	LB136570
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	07/22/2025	17:31	LB136570
CCV39	Mercury	4.96	5.0	99	90 - 110	CV	07/22/2025	18:15	LB136570
CCV40	Mercury	5.05	5.0	101	90 - 110	CV	07/22/2025	18:56	LB136570

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.:** Q2638

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	425	400	106	90 - 110	P	07/22/2025	16:39	LB136576
	Arsenic	426	400	106	90 - 110	P	07/22/2025	16:39	LB136576
	Barium	1710	1600	107	90 - 110	P	07/22/2025	16:39	LB136576
	Beryllium	37.9	40.0	95	90 - 110	P	07/22/2025	16:39	LB136576
	Cadmium	213	200	107	90 - 110	P	07/22/2025	16:39	LB136576
	Chromium	153	160	96	90 - 110	P	07/22/2025	16:39	LB136576
	Copper	190	200	95	90 - 110	P	07/22/2025	16:39	LB136576
	Lead	392	400	98	90 - 110	P	07/22/2025	16:39	LB136576
	Nickel	437	400	109	90 - 110	P	07/22/2025	16:39	LB136576
	Selenium	434	400	108	90 - 110	P	07/22/2025	16:39	LB136576
	Silver	213	200	107	90 - 110	P	07/22/2025	16:39	LB136576
	Thallium	408	400	102	90 - 110	P	07/22/2025	16:39	LB136576
	Vanadium	375	400	94	90 - 110	P	07/22/2025	16:39	LB136576
	Zinc	388	400	97	90 - 110	P	07/22/2025	16:39	LB136576

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.:** Q2638

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	07/22/2025	16:42	LB136576
	Arsenic	1.10	1.0	110	80 - 120	P	07/22/2025	16:42	LB136576
	Barium	9.56	10.0	96	80 - 120	P	07/22/2025	16:42	LB136576
	Beryllium	1.20	1.0	120	80 - 120	P	07/22/2025	16:42	LB136576
	Cadmium	0.99	1.0	99	80 - 120	P	07/22/2025	16:42	LB136576
	Chromium	2.02	2.0	101	80 - 120	P	07/22/2025	16:42	LB136576
	Copper	1.62	2.0	81	80 - 120	P	07/22/2025	16:42	LB136576
	Lead	0.80	1.0	80	80 - 120	P	07/22/2025	16:42	LB136576
	Nickel	1.05	1.0	105	80 - 120	P	07/22/2025	16:42	LB136576
	Selenium	5.91	5.0	118	80 - 120	P	07/22/2025	16:42	LB136576
	Silver	1.13	1.0	113	80 - 120	P	07/22/2025	16:42	LB136576
	Thallium	0.94	1.0	94	80 - 120	P	07/22/2025	16:42	LB136576
	Vanadium	4.80	5.0	96	80 - 120	P	07/22/2025	16:42	LB136576
	Zinc	5.33	5.0	107	80 - 120	P	07/22/2025	16:42	LB136576

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.:** Q2638

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	513	500	103	90 - 110	P	07/22/2025	16:58	LB136576
	Arsenic	492	500	98	90 - 110	P	07/22/2025	16:58	LB136576
	Barium	2560	2500	102	90 - 110	P	07/22/2025	16:58	LB136576
	Beryllium	527	500	105	90 - 110	P	07/22/2025	16:58	LB136576
	Cadmium	516	500	103	90 - 110	P	07/22/2025	16:58	LB136576
	Chromium	518	500	104	90 - 110	P	07/22/2025	16:58	LB136576
	Copper	5490	5000	110	90 - 110	P	07/22/2025	16:58	LB136576
	Lead	2570	2500	103	90 - 110	P	07/22/2025	16:58	LB136576
	Nickel	509	500	102	90 - 110	P	07/22/2025	16:58	LB136576
	Selenium	491	500	98	90 - 110	P	07/22/2025	16:58	LB136576
	Silver	550	500	110	90 - 110	P	07/22/2025	16:58	LB136576
	Thallium	522	500	104	90 - 110	P	07/22/2025	16:58	LB136576
	Vanadium	522	500	104	90 - 110	P	07/22/2025	16:58	LB136576
	Zinc	5500	5000	110	90 - 110	P	07/22/2025	16:58	LB136576
CCV02	Antimony	503	500	101	90 - 110	P	07/22/2025	17:48	LB136576
	Arsenic	484	500	97	90 - 110	P	07/22/2025	17:48	LB136576
	Barium	2530	2500	101	90 - 110	P	07/22/2025	17:48	LB136576
	Beryllium	515	500	103	90 - 110	P	07/22/2025	17:48	LB136576
	Cadmium	492	500	98	90 - 110	P	07/22/2025	17:48	LB136576
	Chromium	527	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Copper	5430	5000	109	90 - 110	P	07/22/2025	17:48	LB136576
	Lead	2540	2500	102	90 - 110	P	07/22/2025	17:48	LB136576
	Nickel	518	500	104	90 - 110	P	07/22/2025	17:48	LB136576
	Selenium	484	500	97	90 - 110	P	07/22/2025	17:48	LB136576
	Silver	524	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Thallium	523	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Vanadium	525	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Zinc	5340	5000	107	90 - 110	P	07/22/2025	17:48	LB136576
CCV03	Antimony	549	500	110	90 - 110	P	07/22/2025	19:00	LB136576
	Arsenic	484	500	97	90 - 110	P	07/22/2025	19:00	LB136576
	Barium	2550	2500	102	90 - 110	P	07/22/2025	19:00	LB136576
	Beryllium	545	500	109	90 - 110	P	07/22/2025	19:00	LB136576
	Cadmium	499	500	100	90 - 110	P	07/22/2025	19:00	LB136576
	Chromium	525	500	105	90 - 110	P	07/22/2025	19:00	LB136576

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.:** Q2638

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	5350	5000	107	90 - 110	P	07/22/2025	19:00	LB136576
	Lead	2550	2500	102	90 - 110	P	07/22/2025	19:00	LB136576
	Nickel	510	500	102	90 - 110	P	07/22/2025	19:00	LB136576
	Selenium	483	500	97	90 - 110	P	07/22/2025	19:00	LB136576
	Silver	528	500	106	90 - 110	P	07/22/2025	19:00	LB136576
	Thallium	516	500	103	90 - 110	P	07/22/2025	19:00	LB136576
	Vanadium	518	500	104	90 - 110	P	07/22/2025	19:00	LB136576
	Zinc	5190	5000	104	90 - 110	P	07/22/2025	19:00	LB136576
CCV04	Antimony	545	500	109	90 - 110	P	07/22/2025	19:53	LB136576
	Arsenic	485	500	97	90 - 110	P	07/22/2025	19:53	LB136576
	Barium	2550	2500	102	90 - 110	P	07/22/2025	19:53	LB136576
	Beryllium	530	500	106	90 - 110	P	07/22/2025	19:53	LB136576
	Cadmium	494	500	99	90 - 110	P	07/22/2025	19:53	LB136576
	Chromium	521	500	104	90 - 110	P	07/22/2025	19:53	LB136576
	Copper	5370	5000	107	90 - 110	P	07/22/2025	19:53	LB136576
	Lead	2560	2500	102	90 - 110	P	07/22/2025	19:53	LB136576
	Nickel	513	500	103	90 - 110	P	07/22/2025	19:53	LB136576
	Selenium	481	500	96	90 - 110	P	07/22/2025	19:53	LB136576
	Silver	536	500	107	90 - 110	P	07/22/2025	19:53	LB136576
	Thallium	520	500	104	90 - 110	P	07/22/2025	19:53	LB136576
	Vanadium	522	500	104	90 - 110	P	07/22/2025	19:53	LB136576
	Zinc	5250	5000	105	90 - 110	P	07/22/2025	19:53	LB136576
CCV05	Antimony	518	500	104	90 - 110	P	07/22/2025	21:02	LB136576
	Arsenic	477	500	95	90 - 110	P	07/22/2025	21:02	LB136576
	Barium	2540	2500	102	90 - 110	P	07/22/2025	21:02	LB136576
	Beryllium	529	500	106	90 - 110	P	07/22/2025	21:02	LB136576
	Cadmium	487	500	97	90 - 110	P	07/22/2025	21:02	LB136576
	Chromium	519	500	104	90 - 110	P	07/22/2025	21:02	LB136576
	Copper	5210	5000	104	90 - 110	P	07/22/2025	21:02	LB136576
	Lead	2530	2500	101	90 - 110	P	07/22/2025	21:02	LB136576
	Nickel	502	500	100	90 - 110	P	07/22/2025	21:02	LB136576
	Selenium	483	500	97	90 - 110	P	07/22/2025	21:02	LB136576
	Silver	523	500	105	90 - 110	P	07/22/2025	21:02	LB136576
	Thallium	515	500	103	90 - 110	P	07/22/2025	21:02	LB136576

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.:** Q2638

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	519	500	104	90 - 110	P	07/22/2025	21:02	LB136576
	Zinc	5160	5000	103	90 - 110	P	07/22/2025	21:02	LB136576
CCV06	Antimony	526	500	105	90 - 110	P	07/22/2025	22:04	LB136576
	Arsenic	479	500	96	90 - 110	P	07/22/2025	22:04	LB136576
	Barium	2580	2500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Beryllium	545	500	109	90 - 110	P	07/22/2025	22:04	LB136576
	Cadmium	499	500	100	90 - 110	P	07/22/2025	22:04	LB136576
	Chromium	520	500	104	90 - 110	P	07/22/2025	22:04	LB136576
	Copper	5220	5000	104	90 - 110	P	07/22/2025	22:04	LB136576
	Lead	2570	2500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Nickel	505	500	101	90 - 110	P	07/22/2025	22:04	LB136576
	Selenium	474	500	95	90 - 110	P	07/22/2025	22:04	LB136576
	Silver	545	500	109	90 - 110	P	07/22/2025	22:04	LB136576
	Thallium	515	500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Vanadium	516	500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Zinc	5130	5000	103	90 - 110	P	07/22/2025	22:04	LB136576
CCV07	Antimony	521	500	104	90 - 110	P	07/22/2025	22:28	LB136576
	Arsenic	485	500	97	90 - 110	P	07/22/2025	22:28	LB136576
	Barium	2580	2500	103	90 - 110	P	07/22/2025	22:28	LB136576
	Beryllium	528	500	106	90 - 110	P	07/22/2025	22:28	LB136576
	Cadmium	499	500	100	90 - 110	P	07/22/2025	22:28	LB136576
	Chromium	517	500	104	90 - 110	P	07/22/2025	22:28	LB136576
	Copper	5240	5000	105	90 - 110	P	07/22/2025	22:28	LB136576
	Lead	2560	2500	102	90 - 110	P	07/22/2025	22:28	LB136576
	Nickel	507	500	101	90 - 110	P	07/22/2025	22:28	LB136576
	Selenium	481	500	96	90 - 110	P	07/22/2025	22:28	LB136576
	Silver	542	500	108	90 - 110	P	07/22/2025	22:28	LB136576
	Thallium	519	500	104	90 - 110	P	07/22/2025	22:28	LB136576
	Vanadium	512	500	102	90 - 110	P	07/22/2025	22:28	LB136576
	Zinc	5240	5000	105	90 - 110	P	07/22/2025	22:28	LB136576

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.:** Q2638

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.:** Q2638

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.:** Q2638

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
CCV03	Antimony	513	500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Arsenic	498	500	100	90 - 110	P	07/24/2025	13:22	LB136601
	Barium	2560	2500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Beryllium	536	500	107	90 - 110	P	07/24/2025	13:22	LB136601
	Cadmium	520	500	104	90 - 110	P	07/24/2025	13:22	LB136601
	Chromium	511	500	102	90 - 110	P	07/24/2025	13:22	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.:** Q2638

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	5150	5000	103	90 - 110	P	07/24/2025	13:22	LB136601
	Lead	2540	2500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Nickel	484	500	97	90 - 110	P	07/24/2025	13:22	LB136601
	Selenium	484	500	97	90 - 110	P	07/24/2025	13:22	LB136601
	Silver	533	500	107	90 - 110	P	07/24/2025	13:22	LB136601
	Thallium	522	500	104	90 - 110	P	07/24/2025	13:22	LB136601
	Vanadium	511	500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Zinc	5140	5000	103	90 - 110	P	07/24/2025	13:22	LB136601
CCV04	Antimony	504	500	101	90 - 110	P	07/24/2025	14:06	LB136601
	Arsenic	497	500	99	90 - 110	P	07/24/2025	14:06	LB136601
	Barium	2500	2500	100	90 - 110	P	07/24/2025	14:06	LB136601
	Beryllium	522	500	104	90 - 110	P	07/24/2025	14:06	LB136601
	Cadmium	483	500	96	90 - 110	P	07/24/2025	14:06	LB136601
	Chromium	508	500	102	90 - 110	P	07/24/2025	14:06	LB136601
	Copper	5200	5000	104	90 - 110	P	07/24/2025	14:06	LB136601
	Lead	2470	2500	99	90 - 110	P	07/24/2025	14:06	LB136601
	Nickel	470	500	94	90 - 110	P	07/24/2025	14:06	LB136601
	Selenium	473	500	95	90 - 110	P	07/24/2025	14:06	LB136601
	Silver	510	500	102	90 - 110	P	07/24/2025	14:06	LB136601
	Thallium	513	500	103	90 - 110	P	07/24/2025	14:06	LB136601
	Vanadium	504	500	101	90 - 110	P	07/24/2025	14:06	LB136601
	Zinc	5170	5000	104	90 - 110	P	07/24/2025	14:06	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.:** Q2638

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	0.19	0.2	93	70 - 130	CV	07/22/2025	15:22	LB136570
CRI	Antimony	1.95	2.0	98	70 - 130	P	07/22/2025	17:12	LB136576
	Arsenic	1.06	1.0	106	70 - 130	P	07/22/2025	17:12	LB136576
	Barium	9.32	10.0	93	70 - 130	P	07/22/2025	17:12	LB136576
	Beryllium	1.20	1.0	120	70 - 130	P	07/22/2025	17:12	LB136576
	Cadmium	1.02	1.0	102	70 - 130	P	07/22/2025	17:12	LB136576
	Chromium	2.02	2.0	101	70 - 130	P	07/22/2025	17:12	LB136576
	Copper	1.65	2.0	82	70 - 130	P	07/22/2025	17:12	LB136576
	Lead	0.84	1.0	84	70 - 130	P	07/22/2025	17:12	LB136576
	Nickel	1.09	1.0	109	70 - 130	P	07/22/2025	17:12	LB136576
	Selenium	5.75	5.0	115	70 - 130	P	07/22/2025	17:12	LB136576
	Silver	1.08	1.0	108	70 - 130	P	07/22/2025	17:12	LB136576
	Thallium	1.03	1.0	103	70 - 130	P	07/22/2025	17:12	LB136576
	Vanadium	4.78	5.0	96	70 - 130	P	07/22/2025	17:12	LB136576
	Zinc	5.34	5.0	107	50 - 150	P	07/22/2025	17:12	LB136576
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.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:15	LB136570

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.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB34	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:20	LB136570
CCB35	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:59	LB136570
CCB36	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	16:30	LB136570
CCB37	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	17:00	LB136570
CCB38	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	17:33	LB136570
CCB39	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	18:20	LB136570
CCB40	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	18:58	LB136570

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.:** Q2638

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	07/22/2025	16:45	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	16:45	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	16:45	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	16:45	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	16:45	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	16:45	LB136576
	Copper	0.30	+/-1	U	1.50	2.00	P	07/22/2025	16:45	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	16:45	LB136576
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/22/2025	16:45	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	16:45	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	16:45	LB136576
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	16:45	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	16:45	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	16:45	LB136576

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.:** Q2638

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	07/22/2025	17:09	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	17:09	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	17:09	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	17:09	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	17:09	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	17:09	LB136576
	Copper	0.30	+/-1	U	1.50	2.00	P	07/22/2025	17:09	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	17:09	LB136576
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/22/2025	17:09	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	17:09	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	17:09	LB136576
	Thallium	0.090	+/-0.5	J	0.50	1.00	P	07/22/2025	17:09	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	17:09	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	17:09	LB136576
CCB02	Antimony	0.11	+/-1	U	0.25	2.00	P	07/22/2025	18:04	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	18:04	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	18:04	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	18:04	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	18:04	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	18:04	LB136576
	Copper	0.71	+/-1	J	1.50	2.00	P	07/22/2025	18:04	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	18:04	LB136576
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/22/2025	18:04	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	18:04	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	18:04	LB136576
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	18:04	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	18:04	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	18:04	LB136576
CCB03	Antimony	0.11	+/-1	U	0.25	2.00	P	07/22/2025	19:13	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	19:13	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	19:13	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	19:13	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	19:13	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	19:13	LB136576
	Copper	0.44	+/-1	J	1.50	2.00	P	07/22/2025	19:13	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	19:13	LB136576
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/22/2025	19:13	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	19:13	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	19:13	LB136576

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.:** Q2638

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	07/22/2025	19:13	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	19:13	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	19:13	LB136576
CCB04	Antimony	0.11	+/-1	U	0.25	2.00	P	07/22/2025	20:03	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	20:03	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	20:03	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	20:03	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	20:03	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	20:03	LB136576
	Copper	0.30	+/-1	U	1.50	2.00	P	07/22/2025	20:03	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	20:03	LB136576
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/22/2025	20:03	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	20:03	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	20:03	LB136576
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	20:03	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	20:03	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	20:03	LB136576
CCB05	Antimony	0.11	+/-1	U	0.25	2.00	P	07/22/2025	21:09	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	21:09	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	21:09	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	21:09	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	21:09	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	21:09	LB136576
	Copper	0.30	+/-1	U	1.50	2.00	P	07/22/2025	21:09	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	21:09	LB136576
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/22/2025	21:09	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	21:09	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	21:09	LB136576
	Thallium	0.070	+/-0.5	J	0.50	1.00	P	07/22/2025	21:09	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	21:09	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	21:09	LB136576
CCB06	Antimony	0.11	+/-1	U	0.25	2.00	P	07/22/2025	22:11	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	22:11	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	22:11	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	22:11	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	22:11	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	22:11	LB136576
	Copper	0.30	+/-1	U	1.50	2.00	P	07/22/2025	22:11	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	22:11	LB136576

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.:** Q2638

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	07/22/2025	22:11	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	22:11	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	22:11	LB136576
	Thallium	0.080	+/-0.5	J	0.50	1.00	P	07/22/2025	22:11	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	22:11	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	22:11	LB136576
CCB07	Antimony	0.11	+/-1	J	0.25	2.00	P	07/22/2025	22:30	LB136576
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/22/2025	22:30	LB136576
	Barium	0.21	+/-5	U	1.25	10.0	P	07/22/2025	22:30	LB136576
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/22/2025	22:30	LB136576
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/22/2025	22:30	LB136576
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/22/2025	22:30	LB136576
	Copper	0.30	+/-1	U	1.50	2.00	P	07/22/2025	22:30	LB136576
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/22/2025	22:30	LB136576
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/22/2025	22:30	LB136576
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/22/2025	22:30	LB136576
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/22/2025	22:30	LB136576
	Thallium	0.10	+/-0.5	J	0.50	1.00	P	07/22/2025	22:30	LB136576
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/22/2025	22:30	LB136576
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/22/2025	22:30	LB136576

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.:** Q2638

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.:** Q2638

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
CCB03	Antimony	0.11	+/-1	U	0.25	2.00	P	07/24/2025	13:26	LB136601
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/24/2025	13:26	LB136601
	Barium	0.21	+/-5	U	1.25	10.0	P	07/24/2025	13:26	LB136601
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/24/2025	13:26	LB136601
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/24/2025	13:26	LB136601
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/24/2025	13:26	LB136601
	Copper	0.30	+/-1	U	1.50	2.00	P	07/24/2025	13:26	LB136601
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/24/2025	13:26	LB136601
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/24/2025	13:26	LB136601
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/24/2025	13:26	LB136601
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/24/2025	13:26	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.:** Q2638

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	07/24/2025	13:26	LB136601
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/24/2025	13:26	LB136601
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/24/2025	13:26	LB136601
CCB04	Antimony	0.11	+/-1	J	0.25	2.00	P	07/24/2025	14:09	LB136601
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	07/24/2025	14:09	LB136601
	Barium	0.21	+/-5	U	1.25	10.0	P	07/24/2025	14:09	LB136601
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	07/24/2025	14:09	LB136601
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	07/24/2025	14:09	LB136601
	Chromium	0.21	+/-1	U	0.75	2.00	P	07/24/2025	14:09	LB136601
	Copper	0.30	+/-1	U	1.50	2.00	P	07/24/2025	14:09	LB136601
	Lead	0.21	+/-0.5	U	0.75	1.00	P	07/24/2025	14:09	LB136601
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	07/24/2025	14:09	LB136601
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	07/24/2025	14:09	LB136601
	Silver	0.060	+/-0.5	U	0.50	1.00	P	07/24/2025	14:09	LB136601
	Thallium	0.080	+/-0.5	J	0.50	1.00	P	07/24/2025	14:09	LB136601
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	07/24/2025	14:09	LB136601
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	07/24/2025	14:09	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.:** Q2638

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168959BL		**WATER**		**Batch Number:**		**PB168959**		**Prep Date:**	**07/21/2025**	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	07/22/2025	15:32	LB136570

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168959TB		**WATER**		**Batch Number:**		**PB168959**		**Prep Date:**	**07/21/2025**	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	07/22/2025	17:53	LB136570

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.:** Q2638

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168937BL		**WATER**		**Batch Number:**		**PB168937**		**Prep Date:**	**07/21/2025**	
	Antimony	0.11	<1	U	0.25	2.00	P	07/22/2025	17:15	LB136576
	Arsenic	0.089	<0.5	U	0.25	1.00	P	07/22/2025	17:15	LB136576
	Barium	0.21	<5	U	1.25	10.0	P	07/22/2025	17:15	LB136576
	Beryllium	0.32	<0.5	U	0.75	1.00	P	07/22/2025	17:15	LB136576
	Cadmium	0.34	<0.5	U	0.50	1.00	P	07/22/2025	17:15	LB136576
	Chromium	0.21	<1	U	0.75	2.00	P	07/22/2025	17:15	LB136576
	Copper	0.30	<1	U	1.50	2.00	P	07/22/2025	17:15	LB136576
	Lead	0.21	<0.5	U	0.75	1.00	P	07/22/2025	17:15	LB136576
	Nickel	0.27	<0.5	U	0.75	1.00	P	07/22/2025	17:15	LB136576
	Selenium	2.90	<2.5	U	4.50	5.00	P	07/22/2025	17:15	LB136576
	Silver	0.060	<0.5	U	0.50	1.00	P	07/22/2025	17:15	LB136576
	Thallium	0.080	<0.5	J	0.50	1.00	P	07/22/2025	17:15	LB136576
	Vanadium	0.077	<2.5	U	0.25	5.00	P	07/22/2025	17:15	LB136576
	Zinc	1.25	<2.5	U	1.50	5.00	P	07/22/2025	17:15	LB136576

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168937TB		**WATER**		**Batch Number:**		**PB168937**		**Prep Date:**	**07/21/2025**	
	Antimony	0.11	<1	U	0.25	2.00	P	07/22/2025	19:24	LB136576
	Arsenic	0.089	<0.5	U	0.25	1.00	P	07/22/2025	19:24	LB136576
	Barium	0.21	<5	U	1.25	10.0	P	07/22/2025	19:24	LB136576
	Beryllium	0.32	<0.5	U	0.75	1.00	P	07/22/2025	19:24	LB136576
	Cadmium	0.34	<0.5	U	0.50	1.00	P	07/22/2025	19:24	LB136576
	Chromium	0.21	<1	U	0.75	2.00	P	07/22/2025	19:24	LB136576
	Copper	0.34	<1	J	1.50	2.00	P	07/22/2025	19:24	LB136576
	Lead	0.21	<0.5	U	0.75	1.00	P	07/22/2025	19:24	LB136576
	Nickel	0.27	<0.5	U	0.75	1.00	P	07/22/2025	19:24	LB136576
	Selenium	2.90	<2.5	U	4.50	5.00	P	07/22/2025	19:24	LB136576
	Silver	0.060	<0.5	U	0.50	1.00	P	07/22/2025	19:24	LB136576
	Thallium	0.060	<0.5	U	0.50	1.00	P	07/22/2025	19:24	LB136576
	Vanadium	0.077	<2.5	U	0.25	5.00	P	07/22/2025	19:24	LB136576
	Zinc	1.25	<2.5	U	1.50	5.00	P	07/22/2025	19:24	LB136576

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.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Antimony	0.99	1.5	66	-2.5	5.5	07/22/2025	16:48	LB136576
	Arsenic	0.28	0.1	280	-1.9	2.1	07/22/2025	16:48	LB136576
	Barium	1.27	1.2	106	-18.8	21.2	07/22/2025	16:48	LB136576
	Beryllium	0			-2	2	07/22/2025	16:48	LB136576
	Cadmium	0.23	0.7	33	-1.3	2.7	07/22/2025	16:48	LB136576
	Chromium	19.0	21.0	90	17	25	07/22/2025	16:48	LB136576
	Copper	7.27	8.0	91	4	12	07/22/2025	16:48	LB136576
	Lead	3.95	4.0	99	2	6	07/22/2025	16:48	LB136576
	Nickel	4.21	6.0	70	4	8	07/22/2025	16:48	LB136576
	Selenium	0.65	0.3	217	-9.7	10	07/22/2025	16:48	LB136576
	Silver	0.050			-2	2	07/22/2025	16:48	LB136576
	Thallium	0.060			-2	2	07/22/2025	16:48	LB136576
	Vanadium	0.18	0.5	36	-9.5	10.5	07/22/2025	16:48	LB136576
	Zinc	11.1	11.0	101	1	21	07/22/2025	16:48	LB136576
ICSAB01	Antimony	18.5	22.0	84	18	26	07/22/2025	16:55	LB136576
	Arsenic	21.2	19.0	112	16.2	21.9	07/22/2025	16:55	LB136576
	Barium	19.6	22.0	89	2	42	07/22/2025	16:55	LB136576
	Beryllium	21.5	19.0	113	16.2	21.9	07/22/2025	16:55	LB136576
	Cadmium	20.7	20.0	104	17	23	07/22/2025	16:55	LB136576
	Chromium	42.9	40.0	107	34	46	07/22/2025	16:55	LB136576
	Copper	26.0	25.0	104	21	29	07/22/2025	16:55	LB136576
	Lead	24.7	25.0	99	21.3	28.8	07/22/2025	16:55	LB136576
	Nickel	27.5	24.0	115	20.4	27.6	07/22/2025	16:55	LB136576
	Selenium	20.3	19.0	107	9	29	07/22/2025	16:55	LB136576
	Silver	18.4	18.0	102	15.3	20.7	07/22/2025	16:55	LB136576
	Thallium	17.9	21.0	85	17.9	24.2	07/22/2025	16:55	LB136576
	Vanadium	18.7	19.0	98	9	29	07/22/2025	16:55	LB136576
	Zinc	30.7	29.0	106	19	39	07/22/2025	16:55	LB136576
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.:** Q2638

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.:** Q2638

contract: NOBI03 **lab code:** ACE

matrix: Water **sample id:** Q2639-14 **client id:** OU4-TS-44-071725MS

Percent Solids for Sample: NA **Spiked ID:** Q2639-14MS **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	420	D	1.50	JD	500	84	N	P
Arsenic	ug/L	84 - 116	568	D	65.5	D	500	100		P
Barium	ug/L	86 - 114	1980	D	123	D	2500	74	N	P
Beryllium	ug/L	83 - 121	484	D	5.00	UD	500	97		P
Cadmium	ug/L	87 - 115	483	D	9.95	D	500	95		P
Chromium	ug/L	85 - 116	460	D	40.4	D	500	84	N	P
Copper	ug/L	85 - 118	5430	D	267	D	5000	103		P
Lead	ug/L	88 - 115	2060	D	64.0	D	2500	80	N	P
Nickel	ug/L	85 - 117	638	D	175	D	500	93		P
Mercury	ug/L	82 - 119	3.66		0.20	U	4.0	92		CV
Selenium	ug/L	80 - 120	486	D	250	UD	500	97		P
Silver	ug/L	85 - 116	79.7	D	0.55	JD	500	16	N	P
Thallium	ug/L	82 - 116	405	D	50.0	UD	500	81	N	P
Vanadium	ug/L	86 - 115	533	D	106	D	500	85	N	P
Zinc	ug/L	83 - 119	6400	D	1950	D	5000	89		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.:** Q2638

contract: NOBI03 **lab code:** ACE

matrix: Water **sample id:** Q2639-14 **client id:** OU4-TS-44-071725MSD

Percent Solids for Sample: NA **Spiked ID:** Q2639-14MSD **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	416	D	1.50	JD	500	83	N	P
Arsenic	ug/L	84 - 116	566	D	65.5	D	500	100		P
Barium	ug/L	86 - 114	1960	D	123	D	2500	74	N	P
Beryllium	ug/L	83 - 121	503	D	5.00	UD	500	101		P
Cadmium	ug/L	87 - 115	476	D	9.95	D	500	93		P
Chromium	ug/L	85 - 116	456	D	40.4	D	500	83	N	P
Copper	ug/L	85 - 118	5250	D	267	D	5000	100		P
Lead	ug/L	88 - 115	2040	D	64.0	D	2500	79	N	P
Nickel	ug/L	85 - 117	627	D	175	D	500	90		P
Mercury	ug/L	82 - 119	3.63		0.20	U	4.0	91		CV
Selenium	ug/L	80 - 120	508	D	250	UD	500	102		P
Silver	ug/L	85 - 116	78.5	D	0.55	JD	500	16	N	P
Thallium	ug/L	82 - 116	405	D	50.0	UD	500	81	N	P
Vanadium	ug/L	86 - 115	526	D	106	D	500	84	N	P
Zinc	ug/L	83 - 119	6170	D	1950	D	5000	84		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.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** OU4-TS-44-071725A

Sample ID: Q2639-14 **Spiked ID:** Q2639-14A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	411	D	1.50	JD	500	82	N	P
Barium	ug/L	86 - 114	1940	D	123	D	2500	73	N	P
Chromium	ug/L	85 - 116	445	D	40.4	D	500	81	N	P
Lead	ug/L	88 - 115	2110	D	64.0	D	2500	82	N	P
Silver	ug/L	85 - 116	78.0	D	0.55	JD	500	15	N	P
Thallium	ug/L	82 - 116	416	D	50.0	UD	500	83		P
Vanadium	ug/L	86 - 115	518	D	106	D	500	83	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.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2639-14 **Client ID:** OU4-TS-44-071725DUP

Percent Solids for Sample: NA **Duplicate ID** Q2639-14DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	1.50	JD	0.95	JD	45		P
Arsenic	ug/L	20	65.5	D	65.0	D	1		P
Barium	ug/L	20	123	D	121	D	2		P
Beryllium	ug/L	20	5.00	UD	5.00	UD			P
Cadmium	ug/L	20	9.95	D	9.50	D	5		P
Chromium	ug/L	20	40.4	D	38.4	D	5		P
Copper	ug/L	20	267	D	239	D	11		P
Lead	ug/L	20	64.0	D	64.0	D	0		P
Nickel	ug/L	20	175	D	167	D	5		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Selenium	ug/L	20	250	UD	250	UD			P
Silver	ug/L	20	0.55	JD	0.40	JD	32		P
Thallium	ug/L	20	50.0	UD	50.0	UD			P
Vanadium	ug/L	20	106	D	102	D	4		P
Zinc	ug/L	20	1950	D	1830	D	6		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.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2639-14MS **Client ID:** OU4-TS-44-071725MSD

Percent Solids for Sample: NA **Duplicate ID** Q2639-14MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	420	D	416	D	1		P
Arsenic	ug/L	20	568	D	566	D	0		P
Barium	ug/L	20	1980	D	1960	D	1		P
Beryllium	ug/L	20	484	D	503	D	4		P
Cadmium	ug/L	20	483	D	476	D	1		P
Chromium	ug/L	20	460	D	456	D	1		P
Copper	ug/L	20	5430	D	5250	D	3		P
Lead	ug/L	20	2060	D	2040	D	1		P
Nickel	ug/L	20	638	D	627	D	2		P
Mercury	ug/L	20	3.66		3.63		1		CV
Selenium	ug/L	20	486	D	508	D	4		P
Silver	ug/L	20	79.7	D	78.5	D	2		P
Thallium	ug/L	20	405	D	405	D	0		P
Vanadium	ug/L	20	533	D	526	D	1		P
Zinc	ug/L	20	6400	D	6170	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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168937BS							
Antimony	ug/L	500	511		102	85 - 117	P
Arsenic	ug/L	500	496		99	84 - 116	P
Barium	ug/L	2500	2530		101	86 - 114	P
Beryllium	ug/L	500	505		101	83 - 121	P
Cadmium	ug/L	500	495		99	87 - 115	P
Chromium	ug/L	500	516		103	85 - 116	P
Copper	ug/L	5000	5180		104	85 - 118	P
Lead	ug/L	2500	2500		100	88 - 115	P
Nickel	ug/L	500	506		101	85 - 117	P
Selenium	ug/L	500	503		101	80 - 120	P
Silver	ug/L	500	522		104	85 - 116	P
Thallium	ug/L	500	503		101	82 - 116	P
Vanadium	ug/L	500	511		102	86 - 115	P
Zinc	ug/L	5000	5280		106	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.:** Q2638

Contract: NOBI03 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168959BS							
Mercury	ug/L	4.0	3.82		96	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.: Q2638

Instrument ID: P7 | Start Date : 07/22/2025

Run Number: LB136576 | End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1442	100		100		100		100		100	
S2	S2	1448	101		100		100		101		99	
S3	S3	1451	103		100		103		100		101	
S4	S4	1455	102		101		101		101		101	
S5	S5	1458	102		100		103		101		103	
S6	S6	1500	101		102		103		101		106	
S7	S7	1503	100		103		106		104		107	
S8	S8	1506	97		106		107		98		106	
ICV01	ICV01	1639	93		103		105		105		103	
LLICV01	LLICV01	1642	90		101		105		104		102	
ICB01	ICB01	1645	91		103		105		105		103	
ICSA01	ICSA01	1648	91		104		110		104		109	
ICSAB01	ICSAB01	1655	93		110		110		106		111	
CCV01	CCV01	1658	93		112		114		108		114	
CCB01	CCB01	1709	88		106		109		109		106	
CRI	CRI	1712	90		107		110		110		106	
PB168937BL	PB168937BL	1715	91		108		109		109		105	
PB168937BS	PB168937BS	1719	95		108		112		110		109	
Q2638-02	OU4-TS-31-01	1721	90		105		125	*	110		114	
Q2638-04	OU4-TS-32-01	1725	83		103		138	*	113		117	
Q2638-06	OU4-TS-33-01	1728	80		103		132	*	111		116	
Q2638-08	OU4-TS-34-01	1731	81		101		127	*	111		118	
Q2638-10	OU4-TS-35-01	1734	81		99		130	*	110		119	
Q2638-12	OU4-TS-36-01	1737	80		100		128	*	108		118	
Q2638-14	OU4-TS-37-01	1740	77		98		132	*	110		118	
CCV02	CCV02	1748	87		107		116		110		116	
CCB02	CCB02	1804	87		105		111		111		109	
ZZZZZZ	ZZZZZZ	1807										
ZZZZZZ	ZZZZZZ	1811										
ZZZZZZ	ZZZZZZ	1814										
ZZZZZZ	ZZZZZZ	1817										
ZZZZZZ	ZZZZZZ	1820										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
Q2639-14DUP	OU4-TS-44-01	1829	80		109		129	*	117		118	
Q2639-14L	OU4-TS-44-01	1833	80		107		117		117		114	

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.: Q2638

Instrument ID: P7 | Start Date : 07/22/2025

Run Number: LB136576 | End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q2639-14MS	OU4-TS-44-01	1836	82		110		130	*	118		117	
CCV03	CCV03	1900	84		112		116		110		113	
CCB03	CCB03	1913	84		105		111		111		109	
Q2639-14MSD	OU4-TS-44-01	1918	86		109		124	*	113		114	
Q2639-14A	OU4-TS-44-01	1921	88		109		127	*	114		115	
PB168937TB	PB168937TB	1924	84		108		113		113		111	
ZZZZZZ	ZZZZZZ	1927										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1943										
ZZZZZZ	ZZZZZZ	1946										
CCV04	CCV04	1953	87		114		119		112		116	
CCB04	CCB04	2003	86		108		113		112		111	
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2010										
ZZZZZZ	ZZZZZZ	2013										
ZZZZZZ	ZZZZZZ	2025										
ZZZZZZ	ZZZZZZ	2028										
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
ZZZZZZ	ZZZZZZ	2041										
CCV05	CCV05	2102	90		111		116		109		114	
CCB05	CCB05	2109	88		109		112		112		111	
ZZZZZZ	ZZZZZZ	2112										
ZZZZZZ	ZZZZZZ	2116										
ZZZZZZ	ZZZZZZ	2119										
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2125										
ZZZZZZ	ZZZZZZ	2128										
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										

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.: Q2638

Instrument ID: P7 | Start Date : 07/22/2025

Run Number: LB136576 | End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
CCV06	CCV06	2204	85		117		122	*	112		113	
CCB06	CCB06	2211	86		110		114		114		110	
Q2638-02	OU4-TS-31-02	2215	88		113		119		115		112	
Q2638-04	OU4-TS-32-02	2218	88		114		123	*	118		112	
Q2638-06	OU4-TS-33-02	2221	86		114		123	*	117		111	
Q2638-14	OU4-TS-37-02	2224	86		113		122	*	117		110	
CCV07	CCV07	2228	88		115		120		114		113	
CCB07	CCB07	2230	89		109		115		113		109	

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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1442	100		100		100		100		100	
S2	S2	1448	100		101		100		101		101	
S3	S3	1451	102		103		101		101		102	
S4	S4	1455	100		101		99		102		103	
S5	S5	1458	100		101		102		106		104	
S6	S6	1500	102		105		102		105		105	
S7	S7	1503	105		107		103		109		108	
S8	S8	1506	108		111		101		110		109	
ICV01	ICV01	1639	101		104		104		106		104	
LLICV01	LLICV01	1642	101		104		105		105		104	
ICB01	ICB01	1645	100		106		105		104		104	
ICSA01	ICSA01	1648	103		107		104		109		108	
ICSAB01	ICSAB01	1655	103		109		107		111		110	
CCV01	CCV01	1658	107		112		105		112		112	
CCB01	CCB01	1709	103		108		107		107		106	
CRI	CRI	1712	103		108		108		108		105	
PB168937BL	PB168937BL	1715	103		108		108		107		106	
PB168937BS	PB168937BS	1719	104		109		107		110		110	
Q2638-02	OU4-TS-31-01	1721	93		111		105		111		108	
Q2638-04	OU4-TS-32-01	1725	93		127	*	108		109		108	
Q2638-06	OU4-TS-33-01	1728	91		120		107		110		110	
Q2638-08	OU4-TS-34-01	1731	89		111		103		108		106	
Q2638-10	OU4-TS-35-01	1734	89		114		106		106		107	
Q2638-12	OU4-TS-36-01	1737	88		113		104		107		108	
Q2638-14	OU4-TS-37-01	1740	89		117		105		111		108	
CCV02	CCV02	1748	103		111		107		112		112	
CCB02	CCB02	1804	100		109		109		109		108	
ZZZZZZ	ZZZZZZ	1807										
ZZZZZZ	ZZZZZZ	1811										
ZZZZZZ	ZZZZZZ	1814										
ZZZZZZ	ZZZZZZ	1817										
ZZZZZZ	ZZZZZZ	1820										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
Q2639-14DUP	OU4-TS-44-01	1829	101		122	*	113		115		113	
Q2639-14L	OU4-TS-44-01	1833	101		113		112		112		111	

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.: Q2638

Instrument ID: P7 | Start Date : 07/22/2025

Run Number: LB136576 | End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q2639-14MS	OU4-TS-44-01	1836	104		124	*	114		116		115	
CCV03	CCV03	1900	103		110		106		112		112	
CCB03	CCB03	1913	100		108		109		109		107	
Q2639-14MSD	OU4-TS-44-01	1918	104		121	*	111		113		112	
Q2639-14A	OU4-TS-44-01	1921	104		122	*	113		115		113	
PB168937TB	PB168937TB	1924	102		113		113		110		109	
ZZZZZZ	ZZZZZZ	1927										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1943										
ZZZZZZ	ZZZZZZ	1946										
CCV04	CCV04	1953	106		114		110		115		113	
CCB04	CCB04	2003	102		110		111		110		109	
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2010										
ZZZZZZ	ZZZZZZ	2013										
ZZZZZZ	ZZZZZZ	2025										
ZZZZZZ	ZZZZZZ	2028										
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
ZZZZZZ	ZZZZZZ	2041										
CCV05	CCV05	2102	107		115		108		114		112	
CCB05	CCB05	2109	104		112		111		111		109	
ZZZZZZ	ZZZZZZ	2112										
ZZZZZZ	ZZZZZZ	2116										
ZZZZZZ	ZZZZZZ	2119										
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2125										
ZZZZZZ	ZZZZZZ	2128										
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										

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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
CCV06	CCV06	2204	111		119		112		116		115	
CCB06	CCB06	2211	106		116		115		114		110	
Q2638-02	OU4-TS-31-02	2215	110		121	*	117		115		114	
Q2638-04	OU4-TS-32-02	2218	109		124	*	117		115		114	
Q2638-06	OU4-TS-33-02	2221	110		123	*	117		116		114	
Q2638-14	OU4-TS-37-02	2224	110		124	*	119		116		115	
CCV07	CCV07	2228	109		117		111		116		115	
CCB07	CCB07	2230	105		115		113		112		111	

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.: Q2638
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	
ZZZZZZ	ZZZZZZ	1204										
ZZZZZZ	ZZZZZZ	1207										
ZZZZZZ	ZZZZZZ	1211										
ZZZZZZ	ZZZZZZ	1214										
ZZZZZZ	ZZZZZZ	1217										
ZZZZZZ	ZZZZZZ	1220										
ZZZZZZ	ZZZZZZ	1224										
Q2638-02	OU4-TS-31-0	1231	97		111		117		113		110	
Q2638-04	OU4-TS-32-0	1234	95		111		117		114		111	
CCV02	CCV02	1239	97		113		116		110		114	
CCB02	CCB02	1245	96		107		109		110		108	
Q2638-06	OU4-TS-33-0	1250	97		109		113		110		109	
Q2638-08	OU4-TS-34-0	1253	95		108		112		110		111	
Q2638-10	OU4-TS-35-0	1256	96		108		114		112		110	
Q2638-12	OU4-TS-36-0	1259	96		108		114		113		110	
Q2638-14	OU4-TS-37-0	1303	95		112		115		113		111	
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1316										

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.: Q2638

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
ZZZZZZ	ZZZZZZ	1319										
CCV03	CCV03	1322	97		116		118		113		115	
CCB03	CCB03	1326	95		108		111		110		109	
ZZZZZZ	ZZZZZZ	1330										
ZZZZZZ	ZZZZZZ	1334										
Q2639-14DUP	OU4-TS-44-0	1337	98		112		115		114		112	
Q2639-14L	OU4-TS-44-0	1340	96		111		115		113		110	
Q2639-14MS	OU4-TS-44-0	1343	94		111		114		114		113	
Q2639-14MSD	OU4-TS-44-0	1349	95		113		116		115		111	
Q2639-14A	OU4-TS-44-0	1352	94		113		117		116		113	
CCV04	CCV04	1406	102		114		118		112		116	
CCB04	CCB04	1409	98		106		110		107		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.: Q2638

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	
ZZZZZZ	ZZZZZZ	1204										
ZZZZZZ	ZZZZZZ	1207										
ZZZZZZ	ZZZZZZ	1211										
ZZZZZZ	ZZZZZZ	1214										
ZZZZZZ	ZZZZZZ	1217										
ZZZZZZ	ZZZZZZ	1220										
ZZZZZZ	ZZZZZZ	1224										
Q2638-02	OU4-TS-31-0	1231	108		113		111		109		108	
Q2638-04	OU4-TS-32-0	1234	107		114		109		110		108	
CCV02	CCV02	1239	109		112		106		110		109	
CCB02	CCB02	1245	102		108		106		105		103	
Q2638-06	OU4-TS-33-0	1250	105		110		108		107		105	
Q2638-08	OU4-TS-34-0	1253	105		109		108		108		105	
Q2638-10	OU4-TS-35-0	1256	105		110		109		107		106	
Q2638-12	OU4-TS-36-0	1259	104		111		109		107		105	
Q2638-14	OU4-TS-37-0	1303	106		113		111		108		107	
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1316										

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.: Q2638
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
ZZZZZZ	ZZZZZZ	1319										
CCV03	CCV03	1322	109		111		105		112		108	
CCB03	CCB03	1326	103		107		109		106		104	
ZZZZZZ	ZZZZZZ	1330										
ZZZZZZ	ZZZZZZ	1334										
Q2639-14DUP	OU4-TS-44-0	1337	106		112		110		109		106	
Q2639-14L	OU4-TS-44-0	1340	104		109		108		107		104	
Q2639-14MS	OU4-TS-44-0	1343	107		112		112		110		108	
Q2639-14MSD	OU4-TS-44-0	1349	108		114		111		111		107	
Q2639-14A	OU4-TS-44-0	1352	108		115		112		110		109	
CCV04	CCV04	1406	109		112		107		111		110	
CCB04	CCB04	1409	101		104		104		104		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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1442	100		100							
S2	S2	1448	101		104							
S3	S3	1451	101		104							
S4	S4	1455	102		104							
S5	S5	1458	104		105							
S6	S6	1500	105		106							
S7	S7	1503	109		107							
S8	S8	1506	106		100							
ICV01	ICV01	1639	104		107							
LLICV01	LLICV01	1642	104		106							
ICB01	ICB01	1645	104		105							
ICSA01	ICSA01	1648	110		105							
ICSAB01	ICSAB01	1655	114		112							
CCV01	CCV01	1658	113		109							
CCB01	CCB01	1709	106		107							
CRI	CRI	1712	107		107							
PB168937BL	PB168937BL	1715	107		108							
PB168937BS	PB168937BS	1719	110		109							
Q2638-02	OU4-TS-31-07	1721	114		127	*						
Q2638-04	OU4-TS-32-07	1725	118		124	*						
Q2638-06	OU4-TS-33-07	1728	118		125	*						
Q2638-08	OU4-TS-34-07	1731	119		127	*						
Q2638-10	OU4-TS-35-07	1734	120		127	*						
Q2638-12	OU4-TS-36-07	1737	120		127	*						
Q2638-14	OU4-TS-37-07	1740	119		125	*						
CCV02	CCV02	1748	117		114							
CCB02	CCB02	1804	108		110							
ZZZZZZ	ZZZZZZ	1807										
ZZZZZZ	ZZZZZZ	1811										
ZZZZZZ	ZZZZZZ	1814										
ZZZZZZ	ZZZZZZ	1817										
ZZZZZZ	ZZZZZZ	1820										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										

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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q2639-14DUP	OU4-TS-44-07	1829	117		117							
Q2639-14L	OU4-TS-44-07	1833	116		111							
Q2639-14MS	OU4-TS-44-07	1836	119		116							
CCV03	CCV03	1900	114		110							
CCB03	CCB03	1913	110		112							
Q2639-14MSD	OU4-TS-44-07	1918	115		113							
Q2639-14A	OU4-TS-44-07	1921	116		114							
PB168937TB	PB168937TB	1924	110		110							
ZZZZZZ	ZZZZZZ	1927										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1943										
ZZZZZZ	ZZZZZZ	1946										
CCV04	CCV04	1953	116		109							
CCB04	CCB04	2003	110		111							
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2010										
ZZZZZZ	ZZZZZZ	2013										
ZZZZZZ	ZZZZZZ	2025										
ZZZZZZ	ZZZZZZ	2028										
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
ZZZZZZ	ZZZZZZ	2041										
CCV05	CCV05	2102	115		110							
CCB05	CCB05	2109	110		112							
ZZZZZZ	ZZZZZZ	2112										
ZZZZZZ	ZZZZZZ	2116										
ZZZZZZ	ZZZZZZ	2119										
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2125										
ZZZZZZ	ZZZZZZ	2128										

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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										
CCV06	CCV06	2204	114		105							
CCB06	CCB06	2211	108		110							
Q2638-02	OU4-TS-31-07	2215	114		111							
Q2638-04	OU4-TS-32-07	2218	113		111							
Q2638-06	OU4-TS-33-07	2221	113		111							
Q2638-14	OU4-TS-37-07	2224	112		110							
CCV07	CCV07	2228	112		107							
CCB07	CCB07	2230	110		110							

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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1442	100									
S2	S2	1448	101									
S3	S3	1451	102									
S4	S4	1455	101									
S5	S5	1458	104									
S6	S6	1500	104									
S7	S7	1503	104									
S8	S8	1506	99									
ICV01	ICV01	1639	106									
LLICV01	LLICV01	1642	105									
ICB01	ICB01	1645	105									
ICSA01	ICSA01	1648	105									
ICSAB01	ICSAB01	1655	108									
CCV01	CCV01	1658	104									
CCB01	CCB01	1709	106									
CRI	CRI	1712	108									
PB168937BL	PB168937BL	1715	106									
PB168937BS	PB168937BS	1719	108									
Q2638-02	OU4-TS-31-07	1721	116									
Q2638-04	OU4-TS-32-07	1725	115									
Q2638-06	OU4-TS-33-07	1728	116									
Q2638-08	OU4-TS-34-07	1731	113									
Q2638-10	OU4-TS-35-07	1734	113									
Q2638-12	OU4-TS-36-07	1737	112									
Q2638-14	OU4-TS-37-07	1740	113									
CCV02	CCV02	1748	107									
CCB02	CCB02	1804	108									
ZZZZZZ	ZZZZZZ	1807										
ZZZZZZ	ZZZZZZ	1811										
ZZZZZZ	ZZZZZZ	1814										
ZZZZZZ	ZZZZZZ	1817										
ZZZZZZ	ZZZZZZ	1820										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										

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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q2639-14DUP	OU4-TS-44-07	1829	114									
Q2639-14L	OU4-TS-44-07	1833	114									
Q2639-14MS	OU4-TS-44-07	1836	114									
CCV03	CCV03	1900	106									
CCB03	CCB03	1913	108									
Q2639-14MSD	OU4-TS-44-07	1918	111									
Q2639-14A	OU4-TS-44-07	1921	111									
PB168937TB	PB168937TB	1924	111									
ZZZZZZ	ZZZZZZ	1927										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1943										
ZZZZZZ	ZZZZZZ	1946										
CCV04	CCV04	1953	106									
CCB04	CCB04	2003	111									
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2010										
ZZZZZZ	ZZZZZZ	2013										
ZZZZZZ	ZZZZZZ	2025										
ZZZZZZ	ZZZZZZ	2028										
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
ZZZZZZ	ZZZZZZ	2041										
CCV05	CCV05	2102	105									
CCB05	CCB05	2109	108									
ZZZZZZ	ZZZZZZ	2112										
ZZZZZZ	ZZZZZZ	2116										
ZZZZZZ	ZZZZZZ	2119										
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2125										
ZZZZZZ	ZZZZZZ	2128										

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.: Q2638
Instrument ID: P7
Start Date : 07/22/2025
Run Number: LB136576
End Date : 07/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										
CCV06	CCV06	2204	108									
CCB06	CCB06	2211	111									
Q2638-02	OU4-TS-31-07	2215	113									
Q2638-04	OU4-TS-32-07	2218	114									
Q2638-06	OU4-TS-33-07	2221	113									
Q2638-14	OU4-TS-37-07	2224	113									
CCV07	CCV07	2228	107									
CCB07	CCB07	2230	111									

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.: Q2638
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							
ZZZZZZ	ZZZZZZ	1204										
ZZZZZZ	ZZZZZZ	1207										
ZZZZZZ	ZZZZZZ	1211										
ZZZZZZ	ZZZZZZ	1214										
ZZZZZZ	ZZZZZZ	1217										
ZZZZZZ	ZZZZZZ	1220										
ZZZZZZ	ZZZZZZ	1224										
Q2638-02	OU4-TS-31-07	1231	112		111							
Q2638-04	OU4-TS-32-07	1234	111		109							
CCV02	CCV02	1239	114		105							
CCB02	CCB02	1245	109		105							
Q2638-06	OU4-TS-33-07	1250	109		107							
Q2638-08	OU4-TS-34-07	1253	108		105							
Q2638-10	OU4-TS-35-07	1256	110		107							
Q2638-12	OU4-TS-36-07	1259	109		107							
Q2638-14	OU4-TS-37-07	1303	111		106							
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										

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.: Q2638
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
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1316										
ZZZZZZ	ZZZZZZ	1319										
CCV03	CCV03	1322	116		106							
CCB03	CCB03	1326	109		106							
ZZZZZZ	ZZZZZZ	1330										
ZZZZZZ	ZZZZZZ	1334										
Q2639-14DUP	OU4-TS-44-07	1337	113		109							
Q2639-14L	OU4-TS-44-07	1340	110		108							
Q2639-14MS	OU4-TS-44-07	1343	110		107							
Q2639-14MSD	OU4-TS-44-07	1349	112		109							
Q2639-14A	OU4-TS-44-07	1352	111		108							
CCV04	CCV04	1406	115		109							
CCB04	CCB04	1409	107		107							

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.: Q2638
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									
ZZZZZZ	ZZZZZZ	1204										
ZZZZZZ	ZZZZZZ	1207										
ZZZZZZ	ZZZZZZ	1211										
ZZZZZZ	ZZZZZZ	1214										
ZZZZZZ	ZZZZZZ	1217										
ZZZZZZ	ZZZZZZ	1220										
ZZZZZZ	ZZZZZZ	1224										
Q2638-02	OU4-TS-31-07	1231	107									
Q2638-04	OU4-TS-32-07	1234	106									
CCV02	CCV02	1239	102									
CCB02	CCB02	1245	102									
Q2638-06	OU4-TS-33-07	1250	105									
Q2638-08	OU4-TS-34-07	1253	104									
Q2638-10	OU4-TS-35-07	1256	106									
Q2638-12	OU4-TS-36-07	1259	105									
Q2638-14	OU4-TS-37-07	1303	106									
ZZZZZZ	ZZZZZZ	1306										
ZZZZZZ	ZZZZZZ	1309										

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.: Q2638
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
ZZZZZZ	ZZZZZZ	1312										
ZZZZZZ	ZZZZZZ	1316										
ZZZZZZ	ZZZZZZ	1319										
CCV03	CCV03	1322	102									
CCB03	CCB03	1326	104									
ZZZZZZ	ZZZZZZ	1330										
ZZZZZZ	ZZZZZZ	1334										
Q2639-14DUP	OU4-TS-44-07	1337	106									
Q2639-14L	OU4-TS-44-07	1340	104									
Q2639-14MS	OU4-TS-44-07	1343	107									
Q2639-14MSD	OU4-TS-44-07	1349	108									
Q2639-14A	OU4-TS-44-07	1352	107									
CCV04	CCV04	1406	104									
CCB04	CCB04	1409	103									

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-44-071725L

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **Lb No.:** lb136576 **Lab Sample ID :** Q2639-14L **SDG No.:** Q2638

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	1.50	JD	50.0	UD	100		P
Arsenic	65.5	D	77.5	JD	18		P
Barium	123	D	125	JD	2		P
Beryllium	5.00	UD	25.0	UD			P
Cadmium	9.95	D	25.0	UD	22		P
Chromium	40.4	D	40.5	JD	0		P
Copper	267	D	311	D	16		P
Lead	64.0	D	70.0	JD	9		P
Nickel	175	D	168	D	4		P
Mercury	0.20	U	1.00	U			CV
Selenium	250	UD	1250	UD			P
Silver	0.55	JD	25.0	UD	100		P
Thallium	50.0	UD	250	UD			P
Vanadium	106	D	103	JD	3		P
Zinc	1950	D	1880	D	4		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.:** Q2638

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:	**PB168937**						
PB168937BL	PB168937BL	MB	WATER	07/21/2025	50.0	50.0	
PB168937BS	PB168937BS	LCS	WATER	07/21/2025	50.0	50.0	
PB168937TB	PB168937TB	MB	WATER	07/21/2025	50.0	50.0	
Q2638-02	OU4-TS-31-071725	SAM	WATER	07/21/2025	50.0	50.0	
Q2638-04	OU4-TS-32-071725	SAM	WATER	07/21/2025	50.0	50.0	
Q2638-06	OU4-TS-33-071725	SAM	WATER	07/21/2025	50.0	50.0	
Q2638-08	OU4-TS-34-071725	SAM	WATER	07/21/2025	50.0	50.0	
Q2638-10	OU4-TS-35-071725	SAM	WATER	07/21/2025	50.0	50.0	
Q2638-12	OU4-TS-36-071725	SAM	WATER	07/21/2025	50.0	50.0	
Q2638-14	OU4-TS-37-071725	SAM	WATER	07/21/2025	50.0	50.0	
Q2639-14DUP	OU4-TS-44-071725DUP	DUP	WATER	07/21/2025	50.0	50.0	
Q2639-14MS	OU4-TS-44-071725MS	MS	WATER	07/21/2025	50.0	50.0	
Q2639-14MSD	OU4-TS-44-071725MSD	MSD	WATER	07/21/2025	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.:** Q2638

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:	**PB168959**						
PB168959BL	PB168959BL	MB	WATER	07/21/2025	30.0	30.0	
PB168959BS	PB168959BS	LCS	WATER	07/21/2025	30.0	30.0	
PB168959TB	PB168959TB	MB	WATER	07/21/2025	30.0	30.0	
Q2638-02	OU4-TS-31-071725	SAM	WATER	07/21/2025	30.0	30.0	
Q2638-04	OU4-TS-32-071725	SAM	WATER	07/21/2025	30.0	30.0	
Q2638-06	OU4-TS-33-071725	SAM	WATER	07/21/2025	30.0	30.0	
Q2638-08	OU4-TS-34-071725	SAM	WATER	07/21/2025	30.0	30.0	
Q2638-10	OU4-TS-35-071725	SAM	WATER	07/21/2025	30.0	30.0	
Q2638-12	OU4-TS-36-071725	SAM	WATER	07/21/2025	30.0	30.0	
Q2638-14	OU4-TS-37-071725	SAM	WATER	07/21/2025	30.0	30.0	
Q2639-14DUP	OU4-TS-44-071725DUP	DUP	WATER	07/21/2025	30.0	30.0	
Q2639-14MS	OU4-TS-44-071725MS	MS	WATER	07/21/2025	30.0	30.0	
Q2639-14MSD	OU4-TS-44-071725MSD	MSD	WATER	07/21/2025	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.:** Q2638

Instrument id number: **Method:** **Run number:** LB136570

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1429	HG
S0.2	S0.2	1	1431	HG
S2.5	S2.5	1	1434	HG
S5	S5	1	1436	HG
S7.5	S7.5	1	1438	HG
S10	S10	1	1452	HG
ICV36	ICV36	1	1513	HG
ICB36	ICB36	1	1515	HG
CCV34	CCV34	1	1517	HG
CCB34	CCB34	1	1520	HG
CRA	CRA	1	1522	HG
PB168959BL	PB168959BL	1	1532	HG
PB168959BS	PB168959BS	1	1537	HG
Q2638-02	OU4-TS-31-071725	1	1539	HG
Q2638-04	OU4-TS-32-071725	1	1542	HG
Q2638-06	OU4-TS-33-071725	1	1544	HG
Q2638-08	OU4-TS-34-071725	1	1546	HG
Q2638-10	OU4-TS-35-071725	1	1548	HG
CCV35	CCV35	1	1554	HG
CCB35	CCB35	1	1559	HG
Q2638-12	OU4-TS-36-071725	1	1601	HG
Q2638-14	OU4-TS-37-071725	1	1603	HG
Q2639-14DUP	OU4-TS-44-071725DUP	1	1622	HG
CCV36	CCV36	1	1628	HG
CCB36	CCB36	1	1630	HG
Q2639-14MS	OU4-TS-44-071725MS	1	1632	HG
Q2639-14MSD	OU4-TS-44-071725MSD	1	1635	HG
CCV37	CCV37	1	1658	HG
CCB37	CCB37	1	1700	HG
CCV38	CCV38	1	1731	HG
CCB38	CCB38	1	1733	HG
PB168959TB	PB168959TB	1	1753	HG
CCV39	CCV39	1	1815	HG
CCB39	CCB39	1	1820	HG
Q2639-14L	OU4-TS-44-071725L	5	1822	HG
CCV40	CCV40	1	1856	HG
CCB40	CCB40	1	1858	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.:** Q2638

Instrument id number: **Method:** **Run number:** LB136576

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1442	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1448	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1451	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1455	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1458	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1500	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1503	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1506	,
ICV01	ICV01	1	1639	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1642	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1645	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1648	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1655	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1658	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1709	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1712	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168937BL	PB168937BL	1	1715	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168937BS	PB168937BS	1	1719	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-02	OU4-TS-31-071725	5	1721	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2638-04	OU4-TS-32-071725	5	1725	Ag,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2638-06	OU4-TS-33-071725	5	1728	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2638-08	OU4-TS-34-071725	5	1731	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2638-10	OU4-TS-35-071725	5	1734	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2638-12	OU4-TS-36-071725	5	1737	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2638-14	OU4-TS-37-071725	5	1740	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
CCV02	CCV02	1	1748	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1804	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2639-14DUP	OU4-TS-44-071725DUP	5	1829	Ag,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2639-14L	OU4-TS-44-071725L	25	1833	Ag,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2639-14MS	OU4-TS-44-071725MS	5	1836	Ag,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
CCV03	CCV03	1	1900	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1913	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2639-14MSD	OU4-TS-44-071725MSD	5	1918	Ag,Ba,Be,Cd,Cr,Cu,Ni,Sb,V,Zn
Q2639-14A	OU4-TS-44-071725A	5	1921	Ag,Ba,Cr,Sb,V
PB168937TB	PB168937TB	1	1924	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1953	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	2003	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	2102	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2109	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2204	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2211	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.:** Q2638

Instrument id number: **Method:** **Run number:** LB136576

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
Q2638-02	OU4-TS-31-071725	25	2215	Pb,Se,Tl
Q2638-04	OU4-TS-32-071725	25	2218	Pb,Tl
Q2638-06	OU4-TS-33-071725	25	2221	Pb,Tl
Q2638-14	OU4-TS-37-071725	25	2224	Pb,Tl
CCV07	CCV07	1	2228	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2230	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.:** Q2638

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
Q2638-04	OU4-TS-32-071725	50	1234	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
Q2638-06	OU4-TS-33-071725	50	1250	Se
Q2638-08	OU4-TS-34-071725	50	1253	Pb,Se,Tl
Q2638-10	OU4-TS-35-071725	50	1256	Pb,Se,Tl
Q2638-12	OU4-TS-36-071725	50	1259	Pb,Se,Tl
Q2638-14	OU4-TS-37-071725	50	1303	Se
CCV03	CCV03	1	1322	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1326	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2639-14DUP	OU4-TS-44-071725DUP	50	1337	As,Pb,Se,Tl
Q2639-14L	OU4-TS-44-071725L	250	1340	As,Pb,Se,Tl
Q2639-14MS	OU4-TS-44-071725MS	50	1343	As,Pb,Se,Tl
Q2639-14MSD	OU4-TS-44-071725MSD	50	1349	As,Pb,Se,Tl
Q2639-14A	OU4-TS-44-071725A	50	1352	Pb,Tl
CCV04	CCV04	1	1406	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1409	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

METAL
RAW DATA

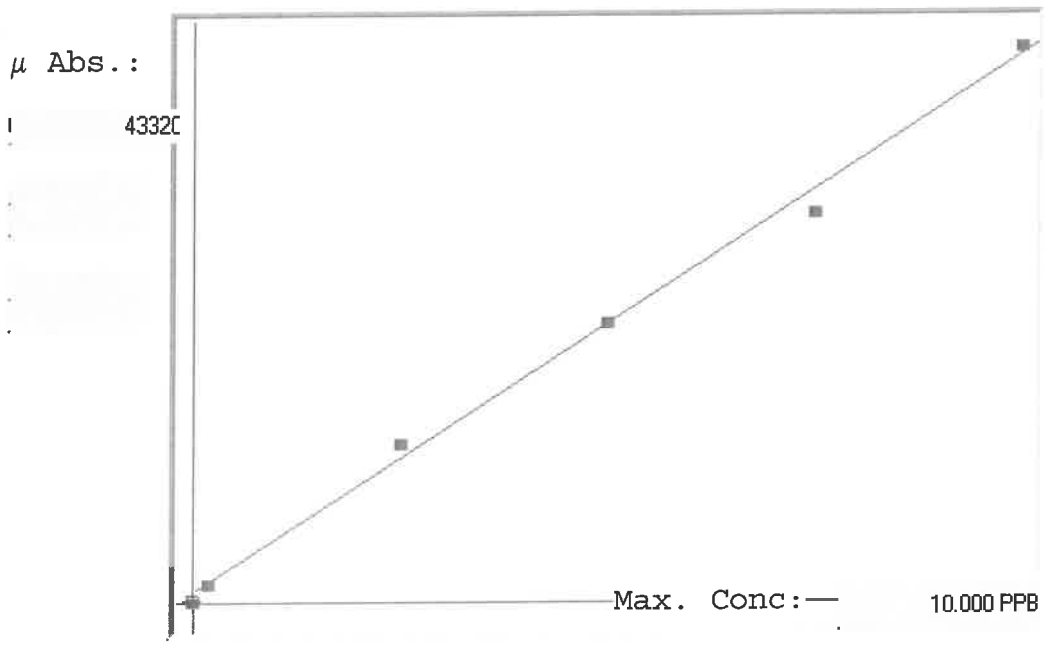
Reviewed By:jaswal
On:7/23/2025 3:56:59 PM
Inst Id :CV1
LB :LB136570

LB136570

7470A

INSTRUMENT ID: CV1

Linear



A= 0.0000e+000

B= 2.3856e-004

C= -1.8142e-001

Rho= 0.9982633

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0.0	0.000	-0.124	-0.124	241	0.000	241	0			
0.2	0.200	0.190	-0.010	1557	0.0 %	1557				
2.5	2.500	2.799	0.299	12493	0.0 %	12493				
5.0	5.000	5.070	0.070	22011	0.0 %	22011				
7.5	7.500	7.112	-0.388	30573	0.0 %	30573				
10.0	10.000	10.153	0.153	43320	0.0 %	43320				

%.D

-5
12
1
-5
2

Reviewed By:jaswal
On:7/23/2025 3:56:59 PM
Inst Id :CV1
LB :LB136570

LB136570 INSTRUMENYT ID : CV1

Method: 7470A Operator: Admin Date of Analysis: 22 Jul 2025 14:15:11

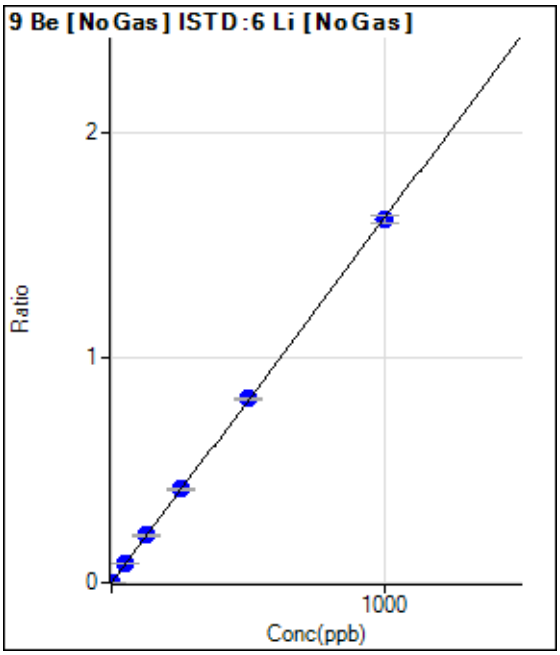
Type	Sample ID	Extended ID	Conc.	µ Abs.	Units	Type	Stnd Conc	Method	Date
S	0.0 - 1	50	-	241	PPB	Std	0.00000	7470A	22 Jul 2025 14:29:33
S	0.2 - 1	502	-	1557	PPB	Std	0.20000	7470A	22 Jul 2025 14:31:50
S	2.5 - 1	52.5	-	12493	PPB	Std	2.50000	7470A	22 Jul 2025 14:34:07
S	5.0 - 1	35	-	22011	PPB	Std	5.00000	7470A	22 Jul 2025 14:36:24
S	7.5 - 1	595	-	30573	PPB	Std	7.50000	7470A	22 Jul 2025 14:38:42
S	10.0 - 1	512	-	43320	PPB	Std	10.00000	7470A	22 Jul 2025 14:52:12
U	ICV36 - 1	ICV36	3.8238	16789	PPB	SMPL		7470A	22 Jul 2025 15:13:16
U	ICB36 - 1	ICB36	-0.0519	543	PPB	SMPL		7470A	22 Jul 2025 15:15:31
U	CCV34 - 1	CCV34	4.5013	19629	PPB	SMPL		7470A	22 Jul 2025 15:17:49
U	CCB34 - 1	CCB34	-0.0559	526	PPB	SMPL		7470A	22 Jul 2025 15:20:03
U	CRA - 1	CRA	0.1864	1542	PPB	SMPL		7470A	22 Jul 2025 15:22:21
U	HighStd - 1	HighStd	10.1214	43187	PPB	SMPL		7470A	22 Jul 2025 15:24:36
U	ChkStd - 1	ChkStd	7.0053	30125	PPB	SMPL		7470A	22 Jul 2025 15:26:52
U	PB168959BL - 1	PBW	0.0099	802	PPB	SMPL		7470A	22 Jul 2025 15:32:34
U	PB168959BS - 1	LCSW	3.8245	16792	PPB	SMPL		7470A	22 Jul 2025 15:37:25
U	Q2638-02 - 1	OU4-TS-31-071725	0.0810	1100	PPB	SMPL		7470A	22 Jul 2025 15:39:41
U	Q2638-04 - 1	OU4-TS-32-071725	0.3515	2234	PPB	SMPL		7470A	22 Jul 2025 15:42:00
U	Q2638-06 - 1	OU4-TS-33-071725	0.0528	982	PPB	SMPL		7470A	22 Jul 2025 15:44:18
U	Q2638-08 - 1	OU4-TS-34-071725	0.0023	770	PPB	SMPL		7470A	22 Jul 2025 15:46:39
U	Q2638-10 - 1	OU4-TS-35-071725	0.2773	1923	PPB	SMPL		7470A	22 Jul 2025 15:48:56
U	CCV35 - 1	CCV35	4.9145	21361	PPB	SMPL		7470A	22 Jul 2025 15:54:01
U	CCB35 - 1	CCB35	-0.0264	650	PPB	SMPL		7470A	22 Jul 2025 15:59:13
U	Q2638-12 - 1	OU4-TS-36-071725	0.3014	2024	PPB	SMPL		7470A	22 Jul 2025 16:01:28
U	Q2638-14 - 1	OU4-TS-37-071725	0.1721	1482	PPB	SMPL		7470A	22 Jul 2025 16:03:44
U	Q2639-02 - 1	OU4-TS-38-071725	0.1943	1575	PPB	SMPL		7470A	22 Jul 2025 16:06:02
U	Q2639-04 - 1	OU4-TS-39-071725	0.1094	1219	PPB	SMPL		7470A	22 Jul 2025 16:08:20
U	Q2639-06 - 1	OU4-TS-40-071725	0.0915	1144	PPB	SMPL		7470A	22 Jul 2025 16:10:38
U	Q2639-08 - 1	OU4-TS-41-071725	0.0760	1079	PPB	SMPL		7470A	22 Jul 2025 16:12:56
U	Q2639-10 - 1	OU4-TS-42-071725	-0.0349	614	PPB	SMPL		7470A	22 Jul 2025 16:15:15
U	Q2639-12 - 1	OU4-TS-43-071725	-0.0082	726	PPB	SMPL		7470A	22 Jul 2025 16:17:33
U	Q2639-14 - 1	OU4-TS-44-071725	0.0273	875	PPB	SMPL		7470A	22 Jul 2025 16:19:51
U	Q2639-14DUP - 1	OU4-TS-44-071725DUP	0.0049	781	PPB	SMPL		7470A	22 Jul 2025 16:22:06
U	CCV36 - 1	CCV36	5.2652	22831	PPB	SMPL		7470A	22 Jul 2025 16:28:19
U	CCB36 - 1	CCB36	-0.0564	524	PPB	SMPL		7470A	22 Jul 2025 16:30:34
U	Q2639-14MS - 1	OU4-TS-44-071725MS	3.6564	16087	PPB	SMPL		7470A	22 Jul 2025 16:32:52
U	Q2639-14MSD - 1	OU4-TS-44-071725MSD	3.6261	15960	PPB	SMPL		7470A	22 Jul 2025 16:35:08
U	PB168960BL - 1	PBW	-0.0865	398	PPB	SMPL		7470A	22 Jul 2025 16:37:25
U	PB168960BS - 1	LCSW	3.9985	17521	PPB	SMPL		7470A	22 Jul 2025 16:42:19
U	Q2641-02 - 1	P001-CONCRETE001-01	-0.1695	50	PPB	SMPL		7470A	22 Jul 2025 16:44:35
U	Q2645-03 - 1	RW5B-CARBON-20250716	-0.1783	13	PPB	SMPL		7470A	22 Jul 2025 16:46:53
U	Q2646-03 - 1	FRAC TANK	-0.0648	489	PPB	SMPL		7470A	22 Jul 2025 16:49:10
U	Q2649-04 - 1	WC-1	-0.1826	-5	PPB	SMPL		7470A	22 Jul 2025 16:51:27
U	Q2649-08 - 1	WC-2	-0.1719	40	PPB	SMPL		7470A	22 Jul 2025 16:53:44
U	Q2649-12 - 1	WC-3	-0.1783	13	PPB	SMPL		7470A	22 Jul 2025 16:56:00
U	CCV37 - 1	CCV37	5.1354	22287	PPB	SMPL		7470A	22 Jul 2025 16:58:15
U	CCB37 - 1	CCB37	-0.0590	513	PPB	SMPL		7470A	22 Jul 2025 17:00:32
U	Q2649-16 - 1	WC-4	-0.0166	691	PPB	SMPL		7470A	22 Jul 2025 17:02:50
U	Q2649-20 - 1	WC-5	-0.0266	649	PPB	SMPL		7470A	22 Jul 2025 17:05:05
U	Q2649-24 - 1	WC-6	-0.0123	709	PPB	SMPL		7470A	22 Jul 2025 17:07:21
U	Q2649-24DUP - 1	WC-6DUP	-0.0085	725	PPB	SMPL		7470A	22 Jul 2025 17:09:37
U	Q2649-24MS - 1	WC-6MS	2.6258	11767	PPB	SMPL		7470A	22 Jul 2025 17:11:53
U	Q2649-24MSD - 1	WC-6MSD	2.7345	12223	PPB	SMPL		7470A	22 Jul 2025 17:14:09
U	PB168961BL - 1	PBW	-0.0655	486	PPB	SMPL		7470A	22 Jul 2025 17:21:53
U	PB168961BS - 1	LCSW	3.8427	16868	PPB	SMPL		7470A	22 Jul 2025 17:24:10
U	Q2640-01 - 1	ELMORA-WATER	-0.0545	532	PPB	SMPL		7470A	22 Jul 2025 17:26:27
U	Q2640-01DUP - 1	ELMORA-WATERDUP	-0.0402	592	PPB	SMPL		7470A	22 Jul 2025 17:28:44
U	CCV38 - 1	CCV38	4.9823	21645	PPB	SMPL		7470A	22 Jul 2025 17:31:01
U	CCB38 - 1	CCB38	-0.0705	465	PPB	SMPL		7470A	22 Jul 2025 17:33:18
U	Q2640-01MS - 1	ELMORA-WATERMS	2.6217	11750	PPB	SMPL		7470A	22 Jul 2025 17:35:36
U	Q2640-01MSD - 1	ELMORA-WATERMSD	2.4137	10878	PPB	SMPL		7470A	22 Jul 2025 17:37:52
U	Q2646-01 - 1	FRAC TANK	-0.1757	24	PPB	SMPL		7470A	22 Jul 2025 17:40:10
U	Q2655-03 - 1	71125	74.2586	312034	PPB	SMPL		7470A	22 Jul 2025 17:42:29
U	Q2655-04 - 1	71425	3.2704	14469	PPB	SMPL		7470A	22 Jul 2025 17:44:47
U	Q2660-05 - 1	MOO-25-0220	-0.5180	-1411	PPB	SMPL		7470A	22 Jul 2025 17:48:02
U	PB168959TB - 1	PB168959TB	-0.0268	648	PPB	SMPL		7470A	22 Jul 2025 17:53:25
U	PB168919TB - 1	PB168919TB	0.0068	789	PPB	SMPL		7470A	22 Jul 2025 17:55:41
U	PB168926TB - 1	PB168926TB	0.0271	874	PPB	SMPL		7470A	22 Jul 2025 17:57:58
U	CCV39 - 1	CCV39	4.9608	21555	PPB	SMPL		7470A	22 Jul 2025 18:15:04
U	CCB39 - 1	CCB39	-0.0476	561	PPB	SMPL		7470A	22 Jul 2025 18:20:12
U	Q2639-14LX5 - 1		-0.1266	230	PPB	SMPL		7470A	22 Jul 2025 18:22:28
U	Q2639-14A - 1		3.5232	15529	PPB	SMPL		7470A	22 Jul 2025 18:24:44
U	Q2649-24LX5 - 1		-0.0922	374	PPB	SMPL		7470A	22 Jul 2025 18:27:00
U	Q2649-24A - 1		3.2615	14432	PPB	SMPL		7470A	22 Jul 2025 18:29:19
U	Q2640-01LX5 - 1		-0.1044	323	PPB	SMPL		7470A	22 Jul 2025 18:31:35
U	Q2640-01A - 1		3.3279	14710	PPB	SMPL		7470A	22 Jul 2025 18:33:53
U	Q2655-03DLX10 - 1		6.9521	29902	PPB	SMPL		7470A	22 Jul 2025 18:48:15
U	CCV40 - 1	CCV40	5.0484	21922	PPB	SMPL		7470A	22 Jul 2025 18:56:05
U	CCB40 - 1	CCB40	-0.0932	370	PPB	SMPL		7470A	22 Jul 2025 18:58:23

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7072225-MS.b\
Analysis File: P7072225-MS.batch.bin
DA Date-Time: 2025-07-24 08:49:20
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-07-22 14:42:07
2	006CALS.d	S02	2025-07-22 14:48:42
3	007CALS.d	S03	2025-07-22 14:51:58
4	008CALS.d	S04	2025-07-22 14:55:08
5	009CALS.d	S05	2025-07-22 14:58:06
6	010CALS.d	S06	2025-07-22 15:00:58
7	011CALS.d	S07	2025-07-22 15:03:44
8	012CALS.d	S08	2025-07-22 15:06:30

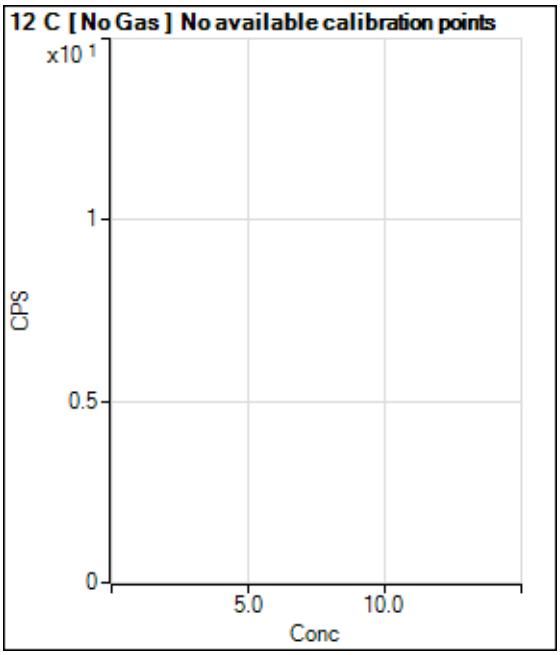
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.06	0.0000	P	47.8
2	☐	1.000	1.238	992.44	0.0020	P	4.4
3	☐	50.000	52.663	42510.20	0.0854	P	0.0
4	☐	125.000	129.906	103612.81	0.2107	P	1.1
5	☐	250.000	256.328	203974.19	0.4157	P	1.1
6	☐	500.000	504.983	400120.80	0.8189	P	0.6
7	☐	1000.000	995.180	779012.47	1.6138	P	2.2
8	☐			-36.60	-0.0001	P	-62.

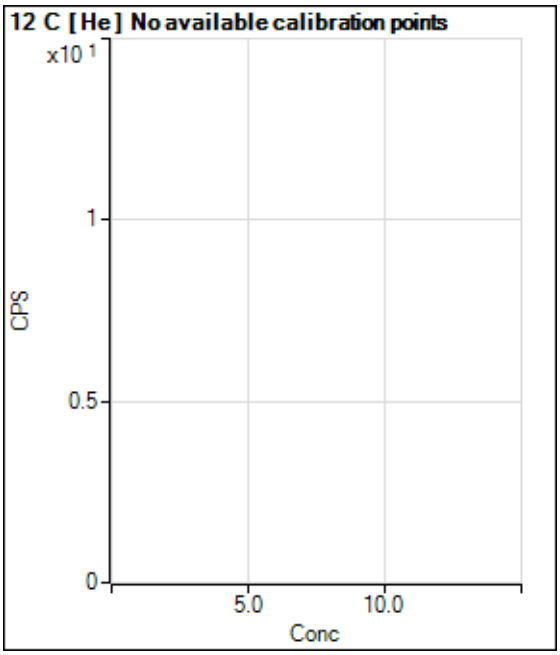
y = 0.0016 * x + 1.6664E-005
R = 1.0000
DL = 0.01474
BEC = 0.01028

Weight: <None>
Min Conc: <None>

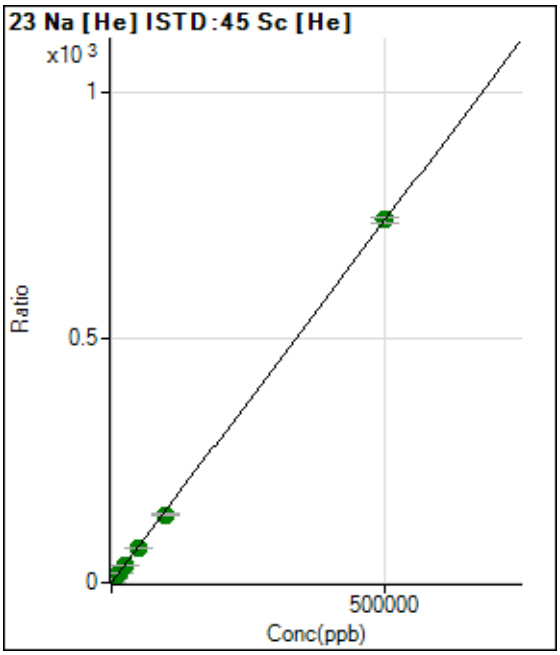


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



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

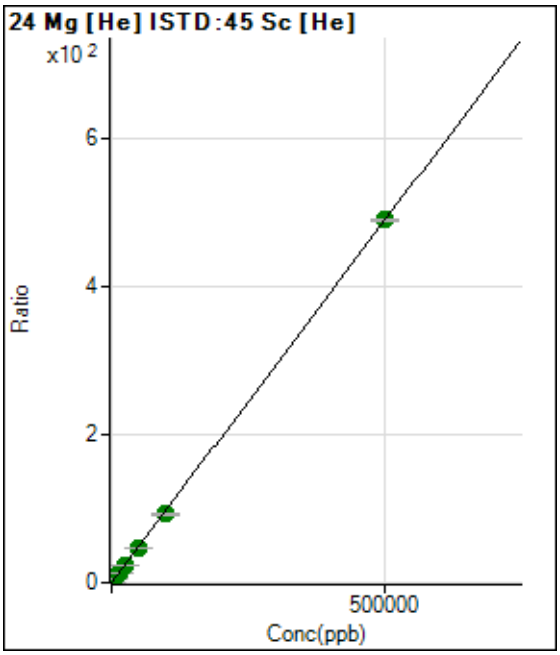


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21003.30	0.0671	P	0.2
2	☐	500.000	464.186	235191.12	0.7523	P	0.3
3	☐	5000.000	4919.388	2331780.30	7.3287	A	0.8
4	☐	12500.000	12142.616	5602432.21	17.9910	A	1.4
5	☐	25000.000	24397.038	11334705.53	36.0799	A	0.9
6	☐	50000.000	48328.797	22759541.33	71.4059	A	0.2
7	☐	100000.00	94132.403	45741589.32	139.0173	A	1.0
8	☐	500000.00	501380.56	250334074.0	740.1619	A	1.5

y = 0.0015 * x + 0.0671
R = 0.9999
DL = 0.2537
BEC = 45.46

Weight: <None>
Min Conc: <None>

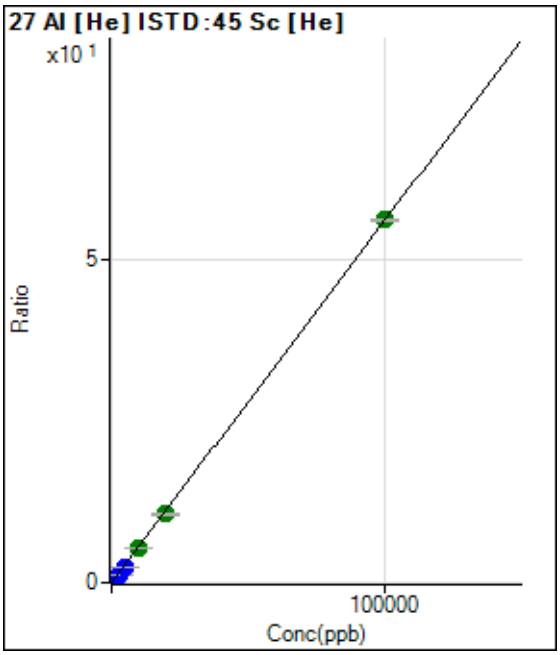
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	167.78	0.0005	P	16.7
2	☐	500.000	462.477	141498.08	0.4526	P	0.9
3	☐	5000.000	4987.897	1551519.45	4.8764	A	1.4
4	☐	12500.000	12235.920	3724971.20	11.9617	A	1.2
5	☐	25000.000	24488.775	7520655.10	23.9394	A	1.7
6	☐	50000.000	47929.418	14933349.92	46.8537	A	0.7
7	☐	100000.00	94481.155	30389492.88	92.3601	A	1.5
8	☐	500000.00	501343.14	165755416.4	490.0859	A	0.7

y = 9.7754E-004 * x + 5.3601E-004
R = 0.9999
DL = 0.2752
BEC = 0.5483

Weight: <None>
Min Conc: <None>

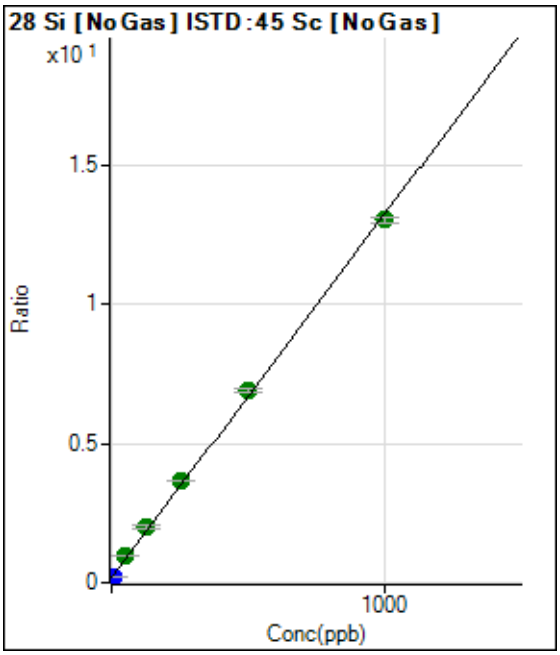


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	263.34	0.0008	P	8.3
2	☐	20.000	19.088	3600.45	0.0115	P	2.6
3	☐	1000.000	877.785	156468.56	0.4918	P	0.8
4	☐	2500.000	2193.615	382339.70	1.2277	P	0.4
5	☐	5000.000	4240.463	745334.39	2.3725	P	0.7
6	☐	10000.000	9580.470	1707874.21	5.3591	A	1.9
7	☐	20000.000	18897.952	3477946.34	10.5702	A	1.7
8	☐	100000.00	100309.22	18974821.66	56.1025	A	0.3

y = 5.5929E-004 * x + 8.4141E-004
R = 0.9999
DL = 0.3733
BEC = 1.504

Weight: <None>
Min Conc: <None>

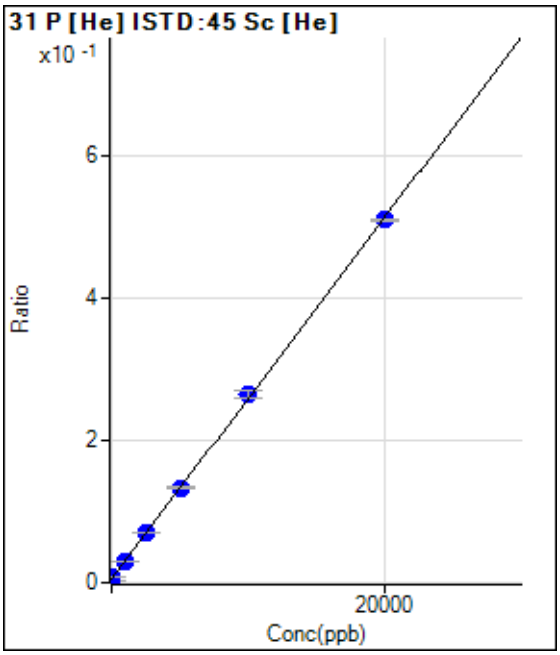
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	676299.99	0.1752	P	1.8
2	☐	10.000	0.230	684852.22	0.1782	P	1.7
3	☐	50.000	59.290	3679987.51	0.9505	A	3.2
4	☐	125.000	140.285	7812200.78	2.0096	A	4.2
5	☐	250.000	267.474	14135412.84	3.6727	A	1.3
6	☐	500.000	516.938	27258705.70	6.9348	A	2.3
7	☐	1000.000	984.885	51666660.90	13.0538	A	1.3
8	☐			1055504.94	0.2581	M	20.2

y = 0.0131 * x + 0.1752
R = 0.9994
DL = 0.7431
BEC = 13.39

Weight: <None>
Min Conc: <None>

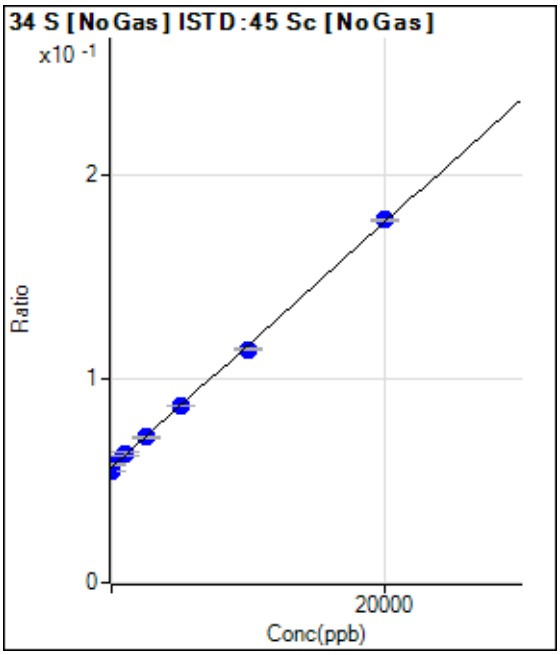


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-138.838	655.57	0.0021	P	8.0
2	☐	0.000	138.838	2852.52	0.0091	P	2.4
3	☐	1000.000	926.423	9248.43	0.0291	P	1.3
4	☐	2500.000	2516.355	21587.56	0.0693	P	1.4
5	☐	5000.000	5045.400	41895.08	0.1334	P	0.6
6	☐	10000.000	10205.594	84123.47	0.2640	P	3.6
7	☐	20000.000	19887.488	167529.65	0.5092	P	0.9
8	☐			644.46	0.0019	P	9.9

y = 2.5320E-005 * x + 0.0056
R = 0.9998
DL = 22.71
BEC = 221.6

Weight: <None>
Min Conc: <None>

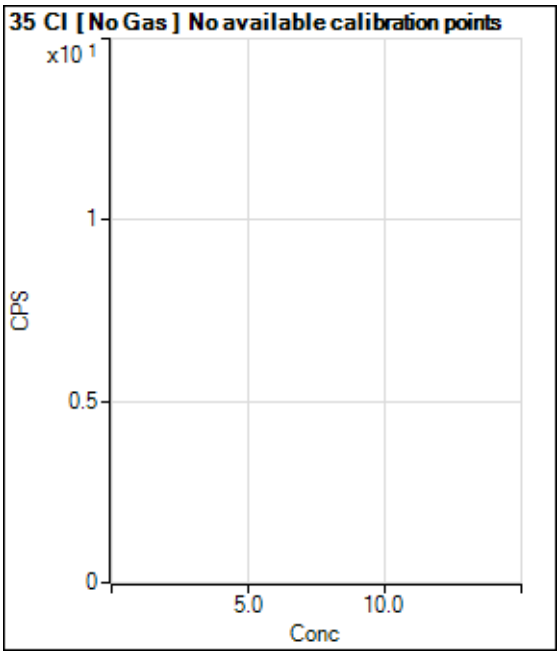
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-266.475	212174.17	0.0549	P	0.8
2	☐	0.000	266.475	223573.63	0.0582	P	0.6
3	☐	1000.000	1060.383	243676.00	0.0629	P	2.9
4	☐	2500.000	2486.099	278082.46	0.0715	P	1.0
5	☐	5000.000	5032.078	334356.30	0.0869	P	0.6
6	☐	10000.000	9630.694	450382.98	0.1146	P	1.4
7	☐	20000.000	20175.352	704929.55	0.1781	P	0.8
8	☐			191882.93	0.0469	P	0.3

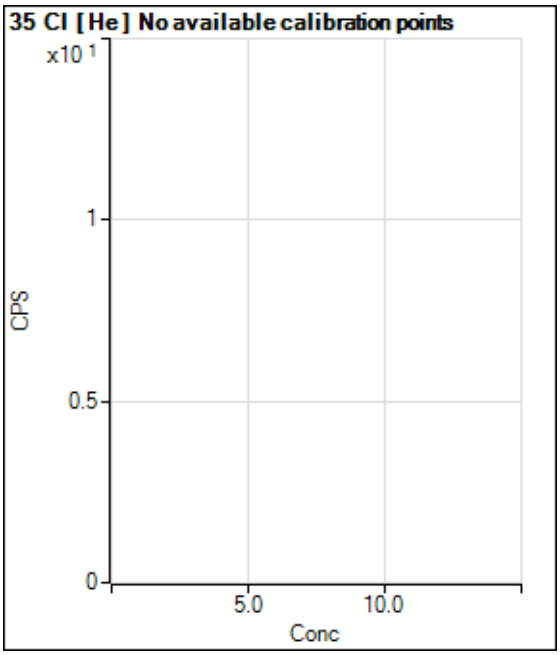
y = 6.0245E-006 * x + 0.0566
R = 0.9995
DL = 198.4
BEC = 9388

Weight: <None>
Min Conc: <None>

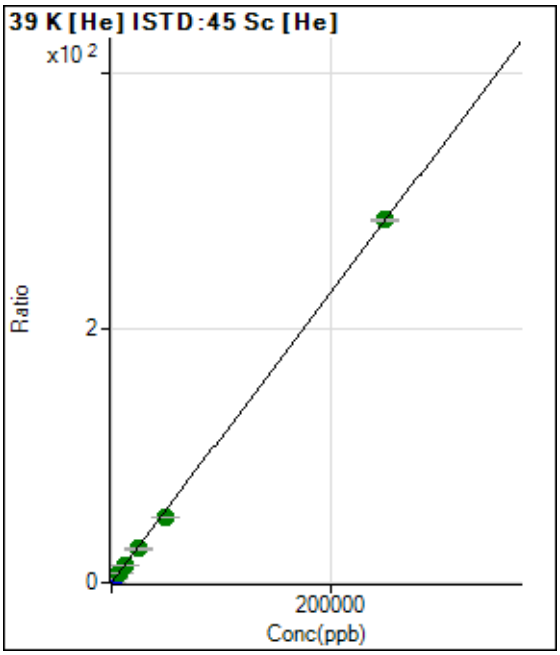


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



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

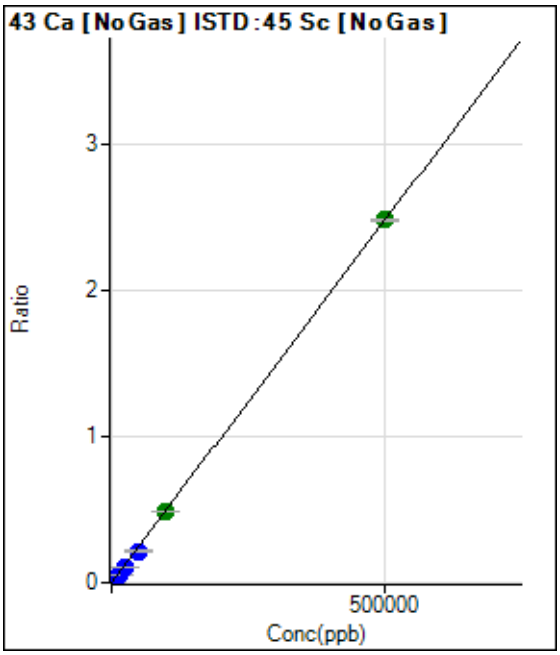


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58469.48	0.1868	P	1.0
2	☐	500.000	466.003	223511.51	0.7150	P	0.8
3	☐	2500.000	2142.681	832105.00	2.6153	P	0.7
4	☐	6250.000	5879.038	2133142.33	6.8499	A	1.1
5	☐	12500.000	11611.384	4192995.94	13.3468	A	1.0
6	☐	25000.000	23223.283	8447461.75	26.5073	A	2.0
7	☐	50000.000	45646.395	17084016.27	51.9209	A	0.2
8	☐	250000.00	251105.73	96318023.01	284.7818	A	0.5

y = 0.0011 * x + 0.1868
R = 0.9998
DL = 5.113
BEC = 164.8

Weight: <None>
Min Conc: <None>

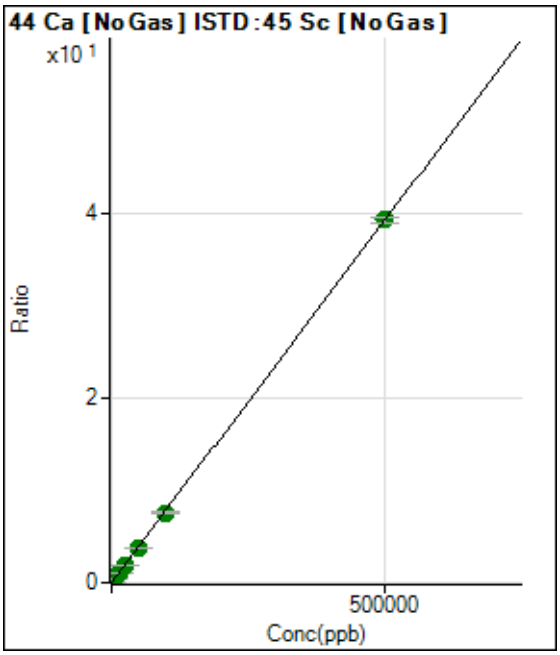
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	344.45	0.0001	P	5.4
2	☐	500.000	481.771	9499.72	0.0025	P	2.0
3	☐	5000.000	4434.687	85251.05	0.0220	P	1.9
4	☐	12500.000	10978.327	211373.05	0.0544	P	0.4
5	☐	25000.000	22090.467	420722.98	0.1093	P	1.6
6	☐	50000.000	43626.347	848273.03	0.2158	P	2.0
7	☐	100000.00	98185.982	1921873.20	0.4856	A	2.2
8	☐	500000.00	501189.35	10137609.71	2.4783	A	0.5

y = 4.9446E-006 * x + 8.9209E-005
R = 0.9999
DL = 2.94
BEC = 18.04

Weight: <None>
Min Conc: <None>

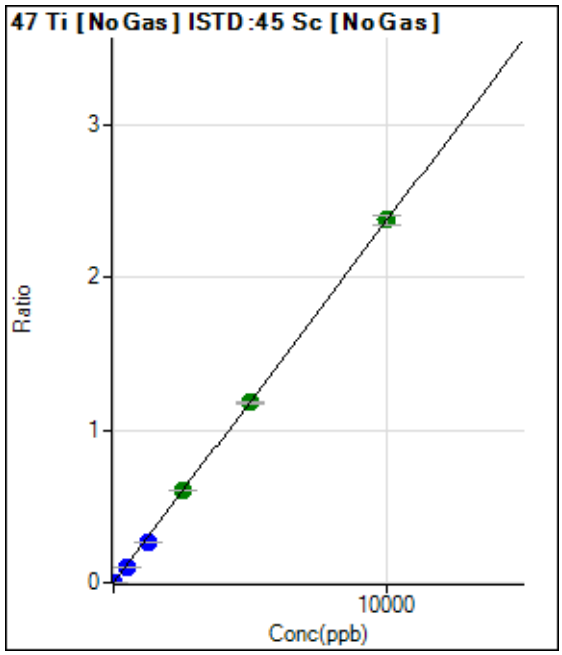


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26743.65	0.0069	P	1.0
2	☐	500.000	480.114	171590.59	0.0446	P	0.2
3	☐	5000.000	4872.963	1508488.53	0.3897	A	3.6
4	☐	12500.000	11928.965	3669457.17	0.9439	A	0.9
5	☐	25000.000	23922.424	7258595.73	1.8859	A	0.7
6	☐	50000.000	47964.802	14836714.22	3.7743	A	1.3
7	☐	100000.00	96299.201	29965003.44	7.5708	A	1.4
8	☐	500000.00	501013.12	161010139.8	39.3592	A	1.6

y = 7.8545E-005 * x + 0.0069
R = 1.0000
DL = 2.559
BEC = 88.18

Weight: <None>
Min Conc: <None>

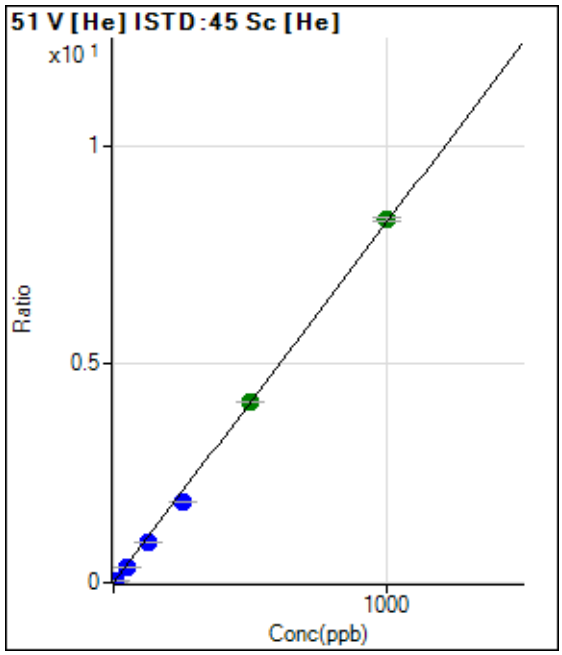
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.11	0.0000	P	11.7
2	☐	5.000	5.004	4665.21	0.0012	P	2.9
3	☐	500.000	440.051	403510.47	0.1042	P	1.9
4	☐	1250.000	1094.107	1007077.48	0.2591	P	0.6
5	☐	2500.000	2529.784	2305303.61	0.5989	A	0.2
6	☐	5000.000	4974.864	4629653.64	1.1778	A	1.7
7	☐	10000.000	10027.606	9396099.37	2.3740	A	2.5
8	☐			678.91	0.0002	P	9.5

y = 2.3674E-004 * x + 2.8784E-005
R = 0.9999
DL = 0.04262
BEC = 0.1216

Weight: <None>
Min Conc: <None>

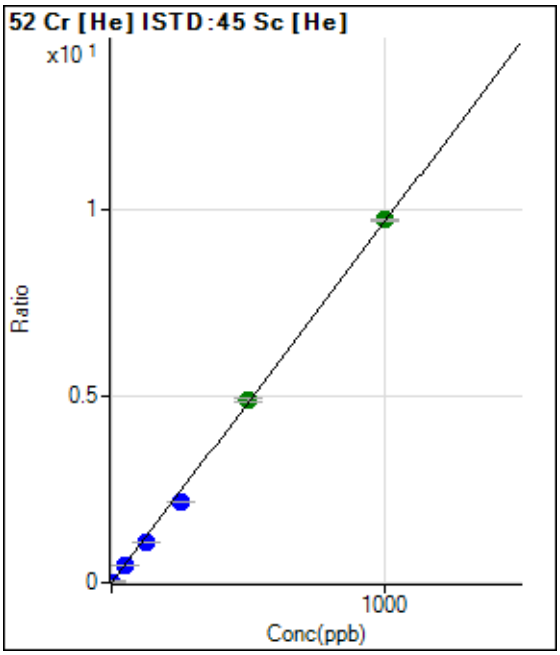


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	91.6
2	☐	5.000	5.004	12896.72	0.0413	P	0.8
3	☐	50.000	44.774	117354.37	0.3688	P	0.8
4	☐	125.000	113.616	291448.30	0.9359	P	1.2
5	☐	250.000	223.469	578301.13	1.8408	P	0.8
6	☐	500.000	502.052	1318067.99	4.1355	A	0.9
7	☐	1000.000	1007.291	2730146.21	8.2973	A	0.9
8	☐			980.04	0.0029	P	0.6

y = 0.0082 * x + 3.5464E-005
R = 0.9996
DL = 0.01183
BEC = 0.004305

Weight: <None>
Min Conc: <None>

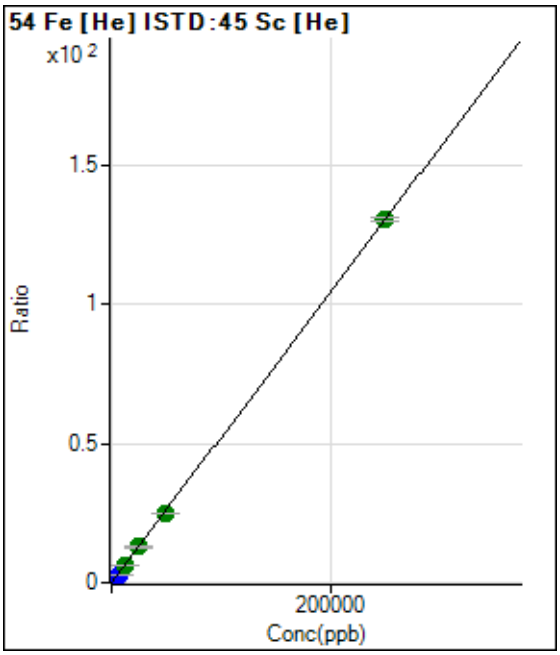
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1904.58	0.0061	P	2.6
2	☐	2.000	2.025	8007.76	0.0256	P	3.5
3	☐	50.000	45.450	141373.49	0.4443	P	0.7
4	☐	125.000	112.723	340356.78	1.0930	P	1.8
5	☐	250.000	224.486	681933.38	2.1707	P	0.5
6	☐	500.000	505.148	1554250.10	4.8769	A	1.5
7	☐	1000.000	1005.567	3192439.64	9.7022	A	0.9
8	☐			17237.99	0.0510	P	1.2

y = 0.0096 * x + 0.0061
R = 0.9996
DL = 0.04993
BEC = 0.6312

Weight: <None>
Min Conc: <None>

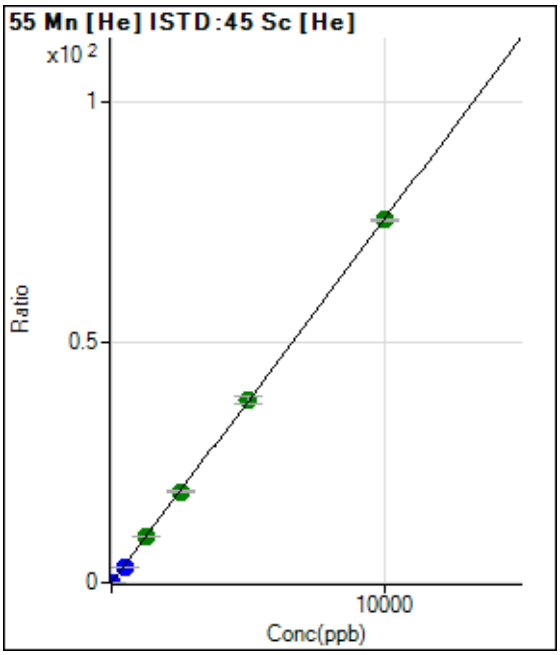


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2326.87	0.0074	P	2.1
2	☐	50.000	49.582	10394.79	0.0333	P	1.3
3	☐	2500.000	2255.028	375944.43	1.1816	P	0.7
4	☐	6250.000	5630.707	915386.36	2.9392	P	0.9
5	☐	12500.000	12200.462	1998034.68	6.3600	A	0.7
6	☐	25000.000	24635.274	4090364.83	12.8346	A	2.1
7	☐	50000.000	48023.296	8229994.53	25.0123	A	0.5
8	☐	250000.00	250464.72	44110101.01	130.4201	A	0.9

y = 5.2068E-004 * x + 0.0074
R = 1.0000
DL = 0.9178
BEC = 14.28

Weight: <None>
Min Conc: <None>

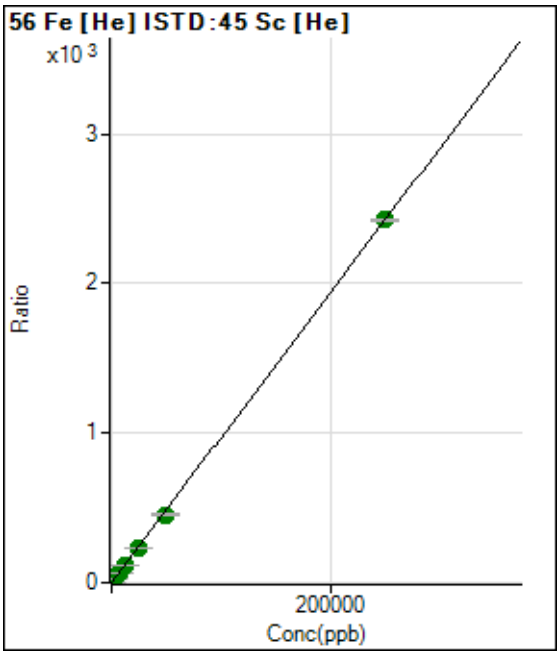
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2122.40	0.0068	P	2.7
2	☐	1.000	1.078	4665.21	0.0149	P	3.2
3	☐	500.000	442.725	1065379.73	3.3485	P	1.2
4	☐	1250.000	1281.774	3015187.80	9.6816	A	0.5
5	☐	2500.000	2511.820	5958294.08	18.9660	A	0.3
6	☐	5000.000	5031.826	12104215.79	37.9870	A	4.0
7	☐	10000.000	9980.024	24788359.63	75.3359	A	0.6
8	☐			13606.24	0.0402	P	0.6

y = 0.0075 * x + 0.0068
R = 1.0000
DL = 0.07277
BEC = 0.8984

Weight: <None>
Min Conc: <None>

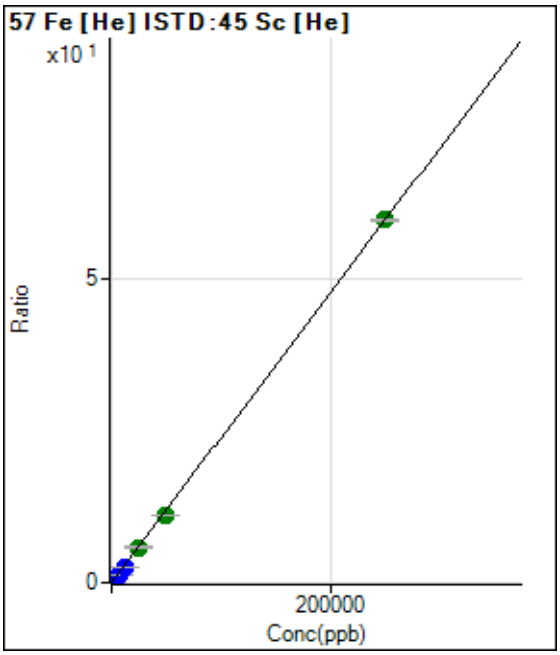


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18699.52	0.0598	P	1.1
2	☐	50.000	48.101	164129.56	0.5250	P	0.7
3	☐	2500.000	2401.417	7409644.33	23.2884	A	0.7
4	☐	6250.000	6148.917	18540686.81	59.5375	A	0.8
5	☐	12500.000	12121.871	36854803.06	117.3132	A	0.9
6	☐	25000.000	23988.654	73956473.90	232.0992	A	4.1
7	☐	50000.000	47070.422	149832291.1	455.3665	A	0.8
8	☐	250000.00	250709.47	820223001.1	2,425.143	A	0.5

y = 0.0097 * x + 0.0598
R = 0.9999
DL = 0.1992
BEC = 6.177

Weight: <None>
Min Conc: <None>

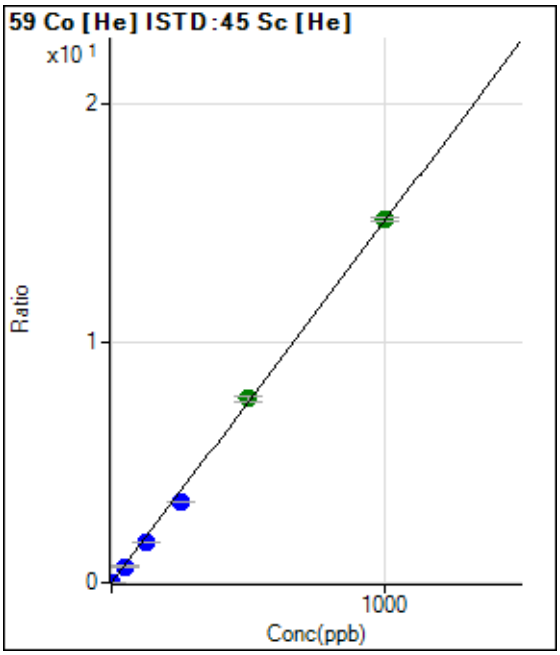
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1195.61	0.0038	P	4.8
2	☐	50.000	50.995	4977.54	0.0159	P	4.8
3	☐	2500.000	2206.194	167843.18	0.5275	P	0.4
4	☐	6250.000	5605.855	415556.70	1.3345	P	2.1
5	☐	12500.000	10966.812	819045.18	2.6071	P	0.5
6	☐	25000.000	24409.001	1847572.23	5.7980	A	2.9
7	☐	50000.000	47000.174	3672308.97	11.1607	A	0.5
8	☐	250000.00	250754.76	20133403.73	59.5281	A	0.6

y = 2.3738E-004 * x + 0.0038
R = 0.9999
DL = 2.309
BEC = 16.09

Weight: <None>
Min Conc: <None>

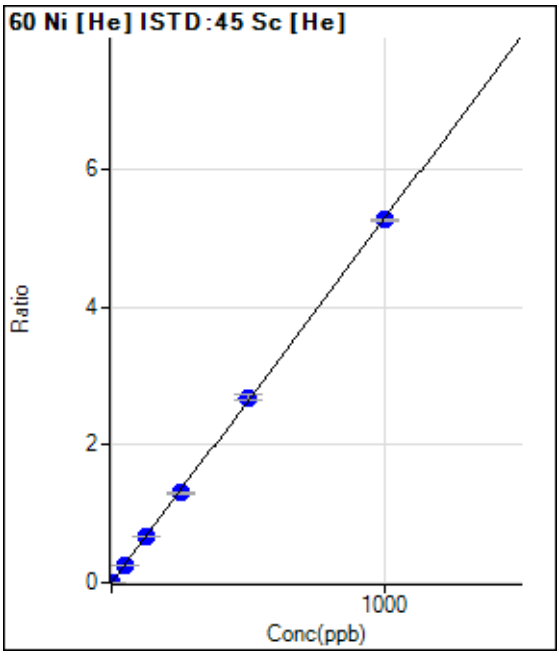


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.33	0.0003	P	10.7
2	☐	1.000	1.069	5126.48	0.0164	P	2.7
3	☐	50.000	45.199	217129.70	0.6824	P	0.6
4	☐	125.000	111.889	525954.76	1.6890	P	1.1
5	☐	250.000	223.046	1057652.60	3.3666	P	0.7
6	☐	500.000	509.331	2449519.44	7.6874	A	3.5
7	☐	1000.000	1003.952	4985729.09	15.1526	A	1.0
8	☐			8576.97	0.0254	P	2.4

y = 0.0151 * x + 2.6630E-004
R = 0.9995
DL = 0.005676
BEC = 0.01764

Weight: <None>
Min Conc: <None>

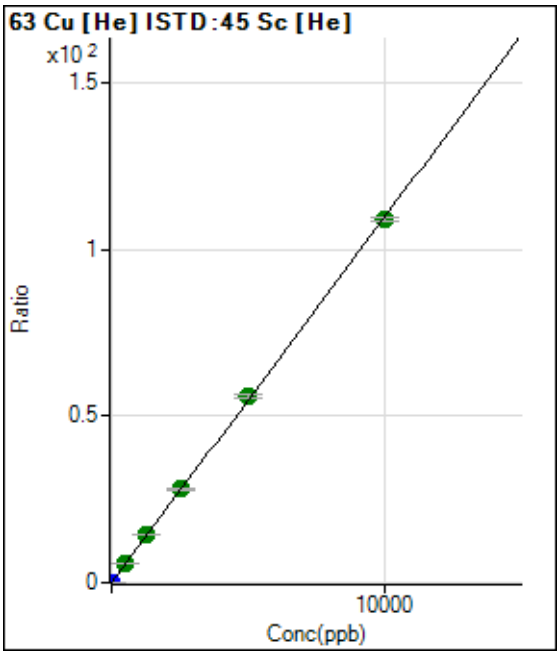
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	486.68	0.0016	P	15.1
2	☐	1.000	1.075	2261.95	0.0072	P	4.0
3	☐	50.000	49.516	83755.07	0.2632	P	0.5
4	☐	125.000	124.515	205415.01	0.6596	P	0.4
5	☐	250.000	245.469	408036.81	1.2988	P	0.7
6	☐	500.000	509.413	858404.56	2.6937	P	2.7
7	☐	1000.000	996.511	1733357.98	5.2680	P	0.6
8	☐			6096.81	0.0180	P	3.1

y = 0.0053 * x + 0.0016
R = 0.9999
DL = 0.133
BEC = 0.2943

Weight: <None>
Min Conc: <None>

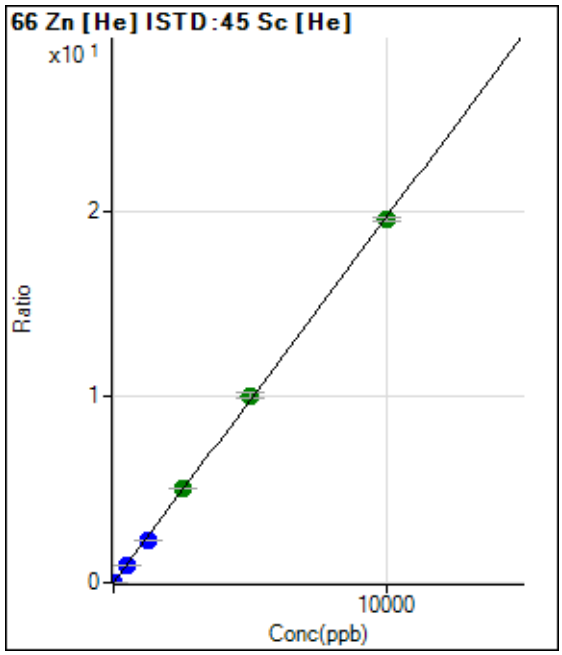


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2841.41	0.0091	P	1.2
2	☐	2.000	1.603	8323.49	0.0266	P	2.8
3	☐	500.000	516.639	1802643.19	5.6656	A	2.2
4	☐	1250.000	1302.821	4444705.45	14.2734	A	1.5
5	☐	2500.000	2552.608	8782909.73	27.9570	A	0.5
6	☐	5000.000	5095.450	17786854.46	55.7979	A	1.7
7	☐	10000.000	9931.688	35782593.63	108.7487	A	1.1
8	☐			6120.21	0.0181	P	2.2

y = 0.0109 * x + 0.0091
R = 0.9999
DL = 0.0307
BEC = 0.8292

Weight: <None>
Min Conc: <None>

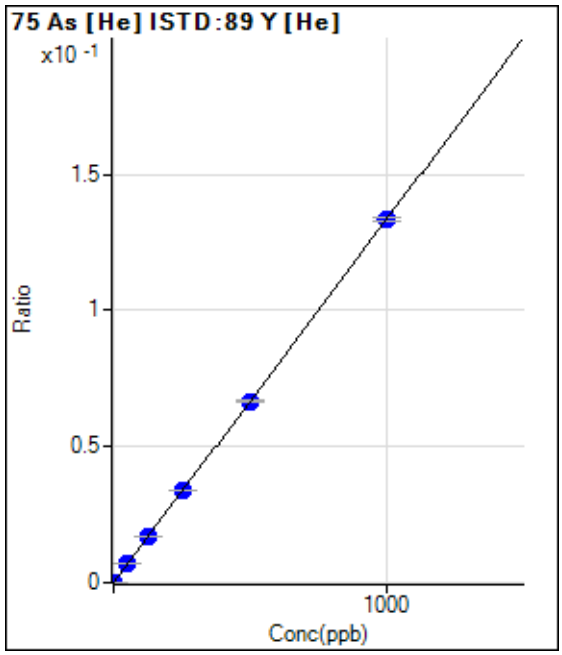
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	606.68	0.0019	P	1.0
2	☐	5.000	5.044	3707.17	0.0119	P	3.9
3	☐	500.000	463.767	290859.77	0.9142	P	1.2
4	☐	1250.000	1156.919	709267.93	2.2776	P	1.0
5	☐	2500.000	2581.716	1595982.56	5.0802	A	1.4
6	☐	5000.000	5128.071	3216402.45	10.0889	A	2.6
7	☐	10000.000	9928.982	6426909.56	19.5324	A	1.1
8	☐			3600.47	0.0106	P	4.5

y = 0.0020 * x + 0.0019
R = 0.9998
DL = 0.02945
BEC = 0.9855

Weight: <None>
Min Conc: <None>

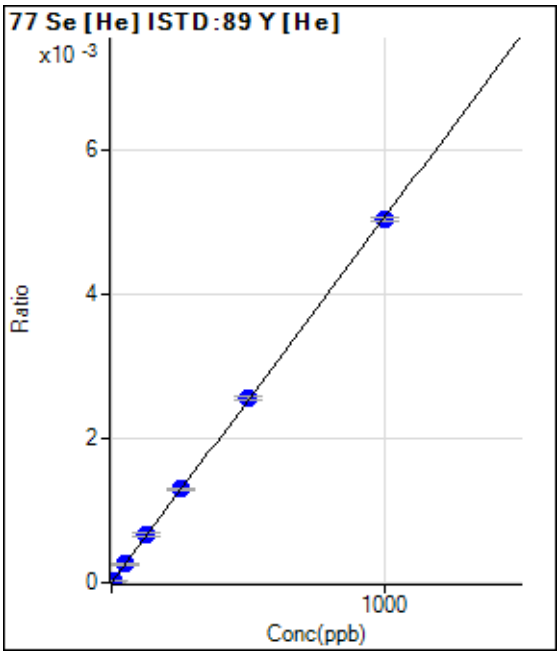


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	0.8
2	☐	1.000	1.208	414.45	0.0002	P	2.3
3	☐	50.000	50.789	17372.49	0.0068	P	1.5
4	☐	125.000	126.704	42383.91	0.0169	P	2.4
5	☐	250.000	254.241	85690.36	0.0339	P	0.6
6	☐	500.000	499.220	174140.52	0.0666	P	0.7
7	☐	1000.000	999.077	354860.60	0.1332	P	1.2
8	☐			502.24	0.0002	P	14.9

y = 1.3332E-004 * x + 4.0120E-006
R = 1.0000
DL = 0.0007354
BEC = 0.03009

Weight: <None>
Min Conc: <None>

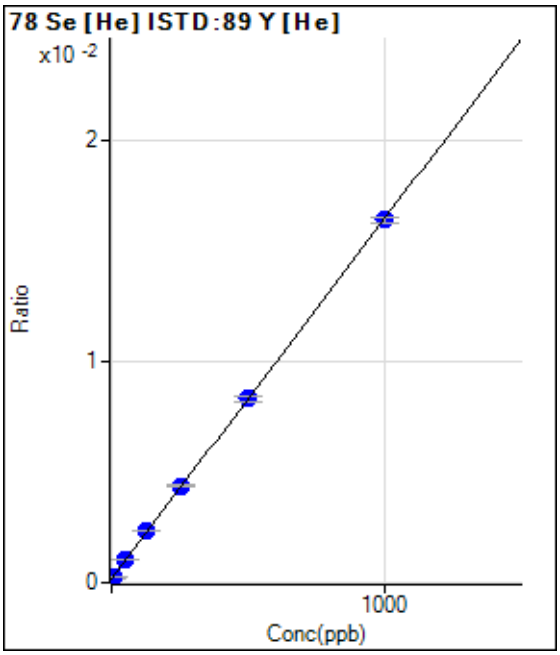
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	100.
2	☐	5.000	5.154	68.89	0.0000	P	13.3
3	☐	50.000	51.020	665.58	0.0003	P	10.4
4	☐	125.000	130.927	1664.56	0.0007	P	6.5
5	☐	250.000	256.573	3284.84	0.0013	P	2.4
6	☐	500.000	507.773	6726.04	0.0026	P	2.1
7	☐	1000.000	993.678	13399.49	0.0050	P	1.2
8	☐			17.78	0.0000	P	56.6

y = 5.0601E-006 * x + 1.3394E-006
R = 0.9999
DL = 0.7987
BEC = 0.2647

Weight: <None>
Min Conc: <None>

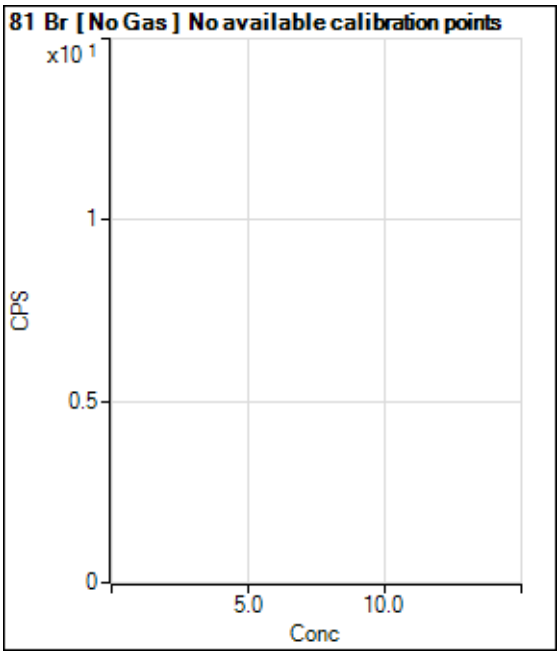


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	470.01	0.0002	P	2.8
2	☐	5.000	3.862	631.13	0.0003	P	4.8
3	☐	50.000	52.932	2691.38	0.0010	P	1.3
4	☐	125.000	131.831	5854.55	0.0023	P	0.7
5	☐	250.000	258.457	11105.37	0.0044	P	0.9
6	☐	500.000	499.168	21738.33	0.0083	P	3.2
7	☐	1000.000	997.307	43726.89	0.0164	P	1.7
8	☐			535.57	0.0002	P	4.4

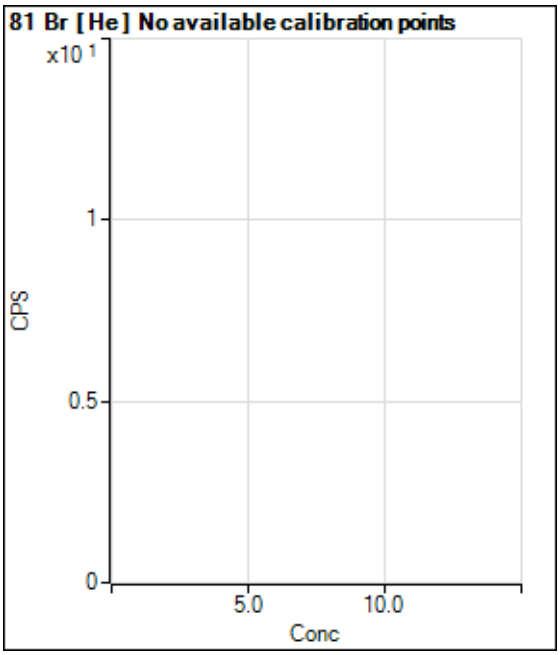
y = 1.6269E-005 * x + 1.8853E-004
R = 0.9999
DL = 0.9593
BEC = 11.59

Weight: <None>
Min Conc: <None>

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

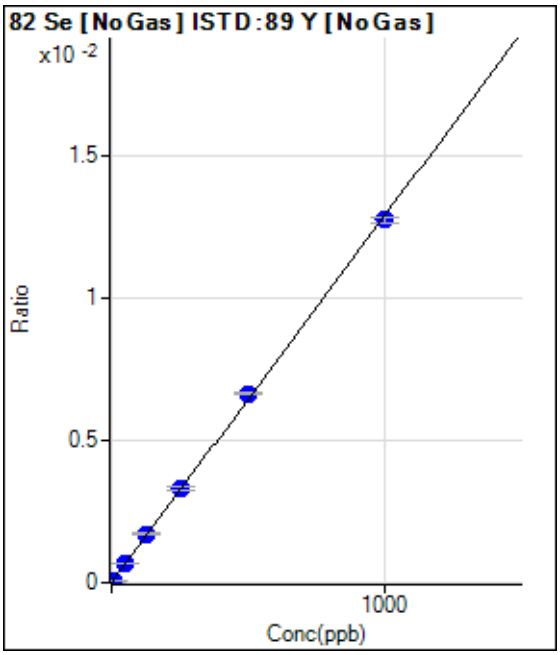


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8419.15		P	0.3
2	☐			8502.52		P	0.8
3	☐			8555.88		P	2.1
4	☐			8563.67		P	1.0
5	☐			8479.18		P	0.5
6	☐			8598.13		P	2.2
7	☐			8886.09		P	0.9
8	☐			9592.08		P	4.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			163.34		P	12.7
2	☐			196.67		P	17.9
3	☐			163.34		P	26.1
4	☐			166.67		P	25.1
5	☐			135.56		P	19.1
6	☐			123.33		P	41.6
7	☐			108.89		P	12.4
8	☐			195.56		P	3.9

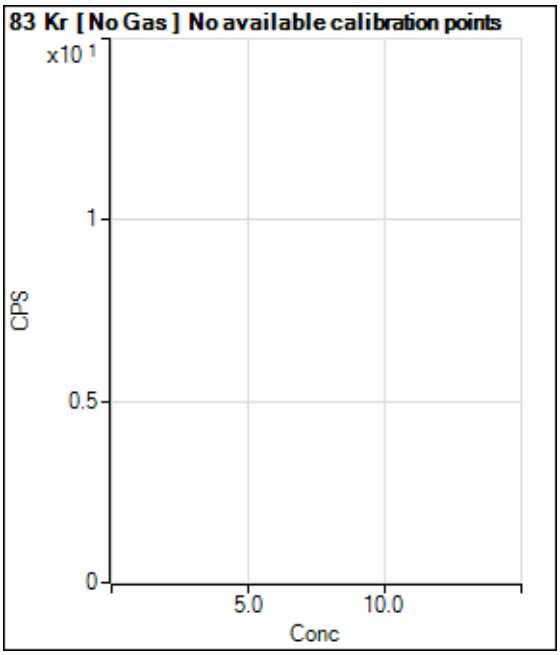
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.56	0.0000	P	50.6
2	☐	5.000	6.125	764.83	0.0001	P	3.1
3	☐	50.000	52.395	6106.87	0.0007	P	0.3
4	☐	125.000	132.674	15082.96	0.0017	P	1.1
5	☐	250.000	256.386	29679.12	0.0033	P	3.0
6	☐	500.000	515.983	59658.76	0.0066	P	1.2
7	☐	1000.000	989.328	118202.41	0.0127	P	1.4
8	☐			271.62	0.0000	P	28.3

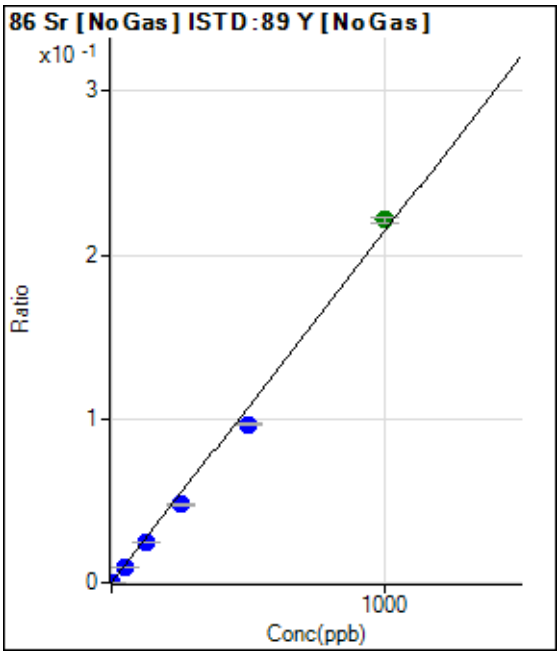
y = 1.2866E-005 * x + 8.7035E-006
R = 0.9998
DL = 1.026
BEC = 0.6765

Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			513.35		P	1.7
2	☐			477.79		P	6.3
3	☐			535.57		P	2.0
4	☐			462.23		P	7.5
5	☐			491.13		P	7.9
6	☐			508.90		P	7.6
7	☐			515.57		P	7.6
8	☐			532.24		P	14.3

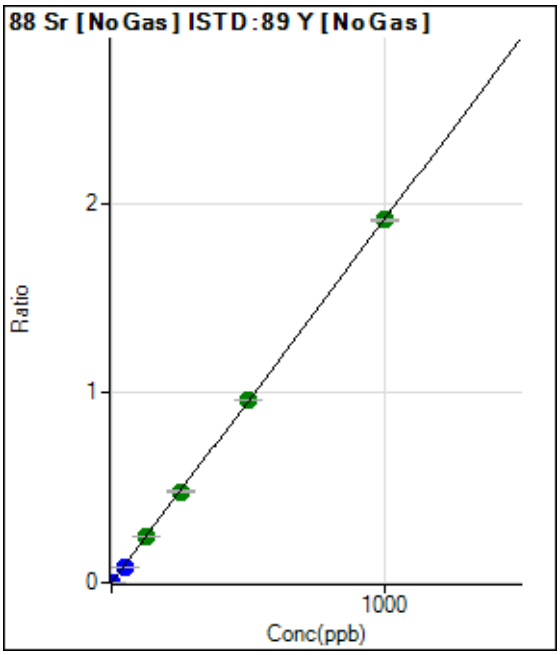
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	786.70	0.0001	P	5.7
2	☐	1.000	1.011	2681.39	0.0003	P	3.1
3	☐	50.000	44.577	86169.32	0.0096	P	1.6
4	☐	125.000	113.743	214888.79	0.0244	P	0.6
5	☐	250.000	222.952	429177.41	0.0478	P	2.7
6	☐	500.000	450.187	865889.39	0.0965	P	0.7
7	☐	1000.000	1033.347	2053936.74	0.2213	A	1.4
8	☐			26073.18	0.0028	P	2.4

y = 2.1411E-004 * x + 9.0286E-005
R = 0.9978
DL = 0.07255
BEC = 0.4217

Weight: <None>
Min Conc: <None>

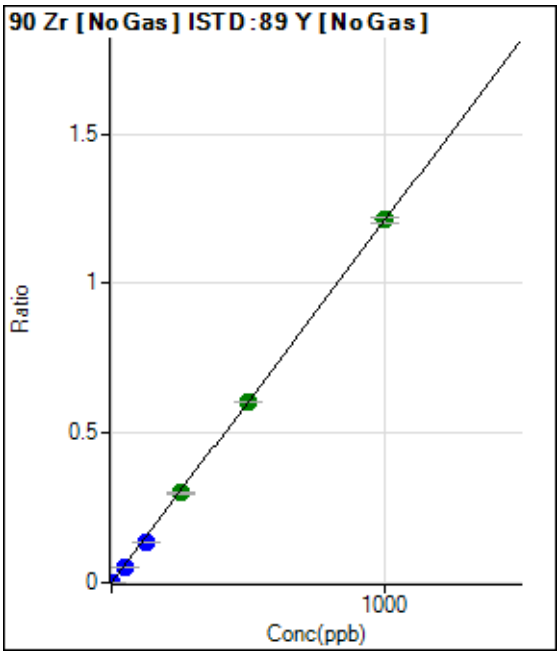


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	115.56	0.0000	P	26.3
2	☐	1.000	0.978	16503.80	0.0019	P	0.3
3	☐	50.000	43.396	744230.26	0.0832	P	0.8
4	☐	125.000	125.201	2110381.72	0.2401	A	0.7
5	☐	250.000	250.286	4306696.01	0.4799	A	1.9
6	☐	500.000	502.765	8651622.23	0.9640	A	0.9
7	☐	1000.000	998.851	17771132.65	1.9151	A	0.3
8	☐			219144.77	0.0235	P	1.3

y = 0.0019 * x + 1.3262E-005
R = 1.0000
DL = 0.005455
BEC = 0.006917

Weight: <None>
Min Conc: <None>

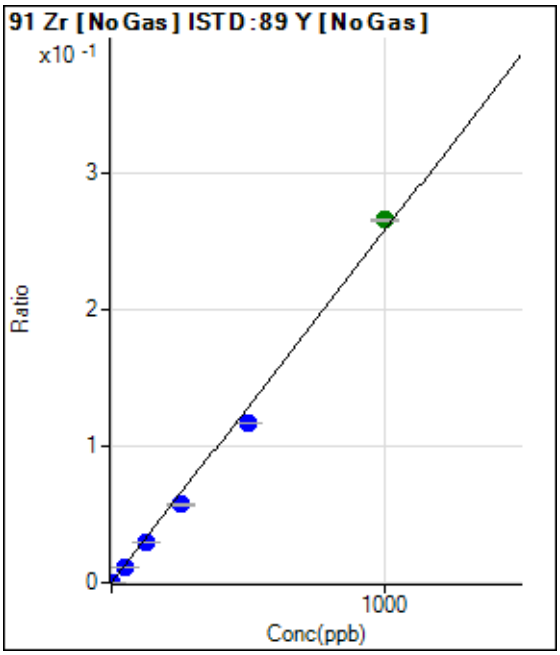
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	340.01	0.0000	P	24.0
2	☐	1.000	1.001	10936.37	0.0013	P	2.2
3	☐	50.000	43.297	469169.16	0.0525	P	1.1
4	☐	125.000	109.646	1167396.71	0.1328	P	0.9
5	☐	250.000	248.458	2699901.17	0.3009	A	2.5
6	☐	500.000	501.270	5447501.10	0.6070	A	0.0
7	☐	1000.000	1002.005	11258597.89	1.2132	A	1.6
8	☐			9360.85	0.0010	P	2.6

y = 0.0012 * x + 3.9073E-005
R = 0.9999
DL = 0.02327
BEC = 0.03227

Weight: <None>
Min Conc: <None>

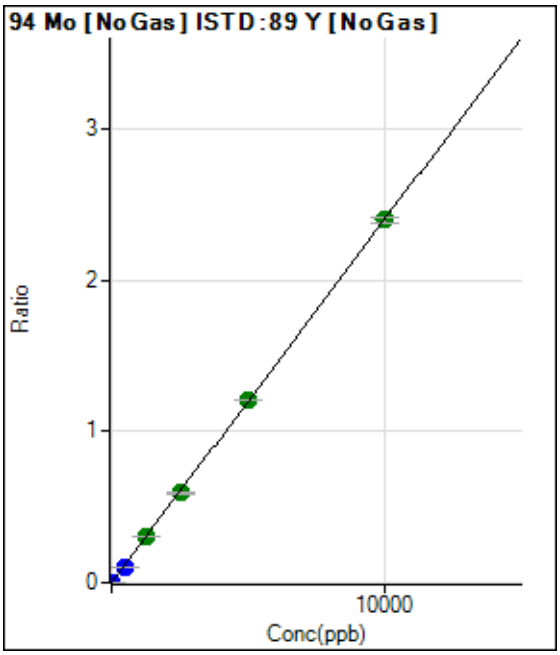


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.55	0.0000	P	18.6
2	☐	1.000	1.057	2436.89	0.0003	P	2.4
3	☐	50.000	44.670	102986.48	0.0115	P	1.2
4	☐	125.000	114.332	259018.72	0.0295	P	0.6
5	☐	250.000	223.437	516662.95	0.0576	P	2.4
6	☐	500.000	454.657	1051375.80	0.1171	P	0.7
7	☐	1000.000	1030.912	2464803.90	0.2656	A	0.3
8	☐			2064.61	0.0002	P	3.9

y = 2.5764E-004 * x + 6.3690E-006
R = 0.9981
DL = 0.01382
BEC = 0.02472

Weight: <None>
Min Conc: <None>

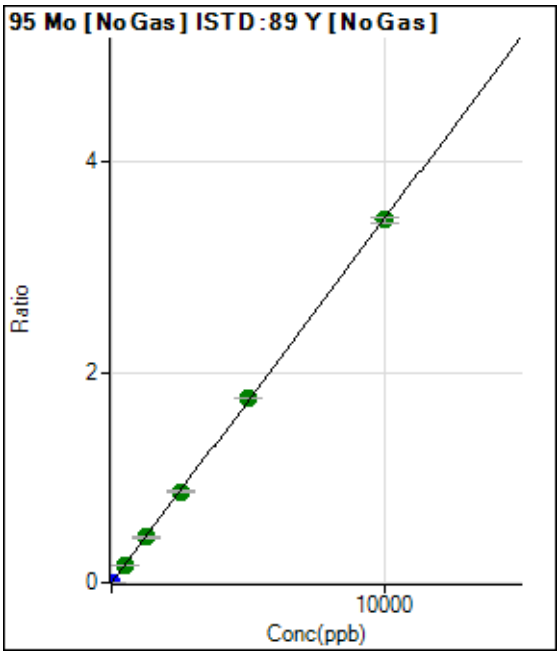
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	257.78	0.0000	P	8.6
2	☐	5.000	5.844	12513.22	0.0014	P	2.2
3	☐	500.000	437.420	938878.08	0.1050	P	0.8
4	☐	1250.000	1254.332	2645929.91	0.3010	A	1.2
5	☐	2500.000	2472.105	5322940.76	0.5932	A	2.7
6	☐	5000.000	5029.357	10830310.32	1.2067	A	0.4
7	☐	10000.000	9994.882	22254209.95	2.3981	A	1.4
8	☐			6481.49	0.0007	P	1.9

y = 2.3993E-004 * x + 2.9582E-005
R = 1.0000
DL = 0.03177
BEC = 0.1233

Weight: <None>
Min Conc: <None>

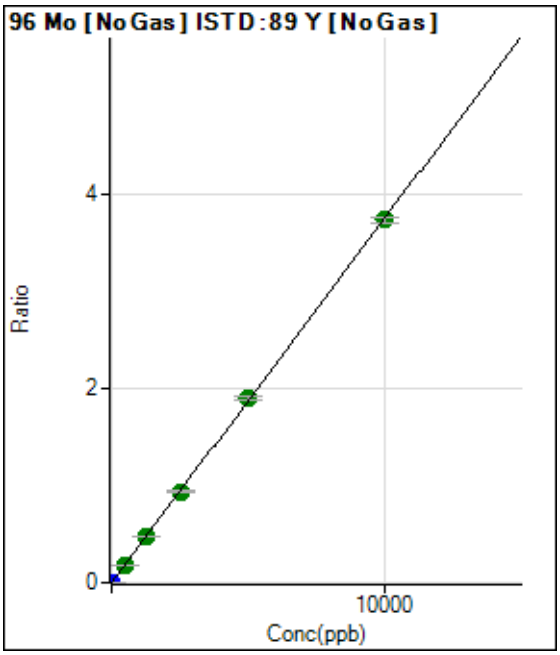


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	210.01	0.0000	P	12.0
2	☐	5.000	4.824	14806.47	0.0017	P	0.9
3	☐	500.000	493.631	1528447.15	0.1709	A	1.7
4	☐	1250.000	1253.110	3813674.35	0.4338	A	1.9
5	☐	2500.000	2493.081	7745482.24	0.8631	A	2.2
6	☐	5000.000	5067.459	15745091.57	1.7543	A	0.2
7	☐	10000.000	9967.930	32021848.69	3.4507	A	1.8
8	☐			5186.54	0.0006	P	1.9

y = 3.4618E-004 * x + 2.4096E-005
R = 1.0000
DL = 0.02502
BEC = 0.06961

Weight: <None>
Min Conc: <None>

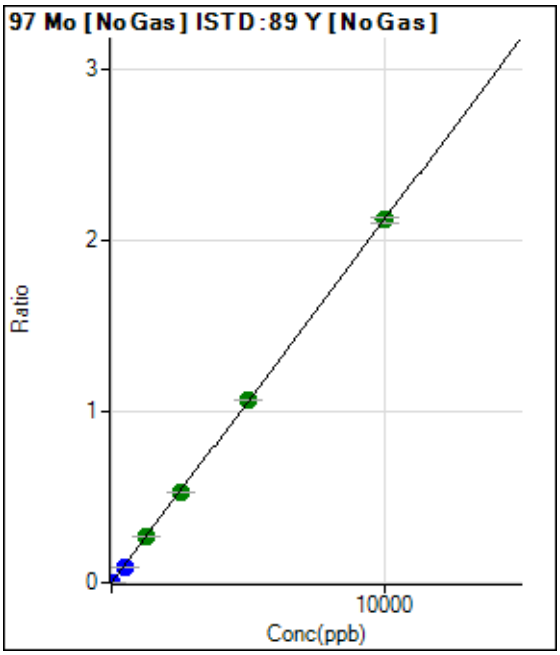
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	247.78	0.0000	P	4.3
2	☐	5.000	5.036	16771.93	0.0019	P	1.7
3	☐	500.000	497.210	1669534.04	0.1867	A	1.6
4	☐	1250.000	1267.130	4181799.38	0.4757	A	0.8
5	☐	2500.000	2490.040	8388955.36	0.9347	A	1.8
6	☐	5000.000	5072.263	17088803.22	1.9041	A	1.5
7	☐	10000.000	9964.357	34710116.43	3.7405	A	1.8
8	☐			10233.66	0.0011	P	1.3

y = 3.7538E-004 * x + 2.8439E-005
R = 1.0000
DL = 0.009874
BEC = 0.07576

Weight: <None>
Min Conc: <None>

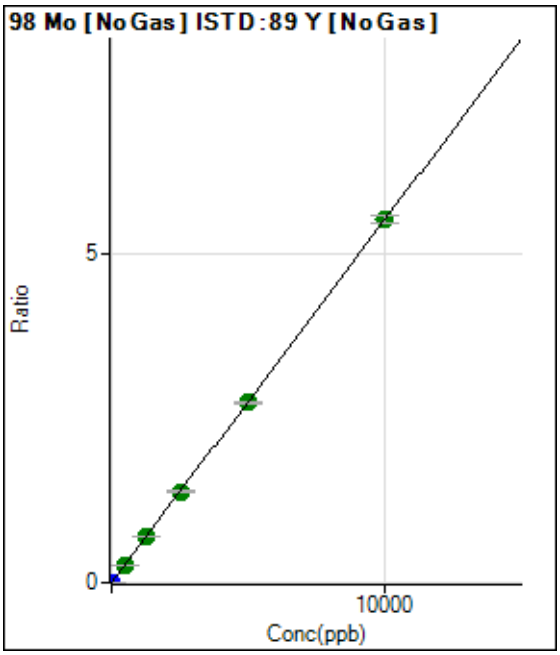


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	168.89	0.0000	P	26.6
2	☐	5.000	4.938	9337.50	0.0011	P	2.1
3	☐	500.000	434.931	826379.07	0.0924	P	0.5
4	☐	1250.000	1264.316	2361060.10	0.2686	A	0.7
5	☐	2500.000	2474.274	4717186.21	0.5256	A	0.9
6	☐	5000.000	5034.693	9598333.82	1.0694	A	0.9
7	☐	10000.000	9990.549	19691029.85	2.1221	A	1.5
8	☐			3358.20	0.0004	P	6.3

y = 2.1240E-004 * x + 1.9345E-005
R = 1.0000
DL = 0.07266
BEC = 0.09107

Weight: <None>
Min Conc: <None>

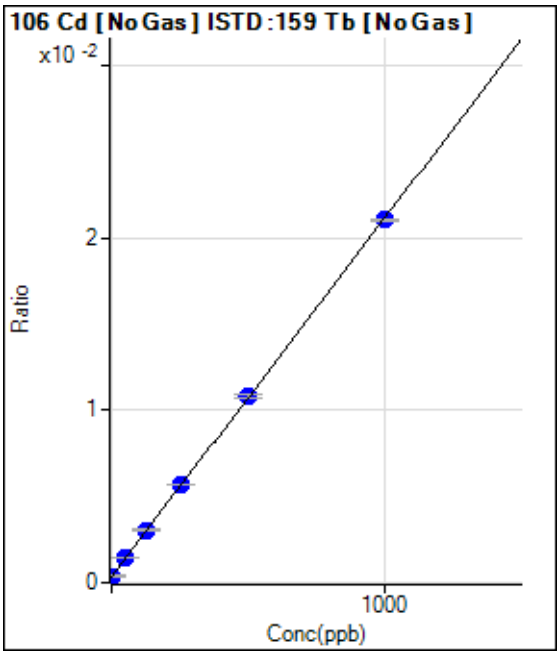
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	348.90	0.0000	P	14.0
2	☐	5.000	4.901	24000.93	0.0027	P	1.5
3	☐	500.000	491.855	2429106.65	0.2716	A	1.4
4	☐	1250.000	1257.611	6104924.15	0.6944	A	1.3
5	☐	2500.000	2498.299	12380148.43	1.3795	A	1.8
6	☐	5000.000	4979.506	24675924.36	2.7494	A	0.9
7	☐	10000.000	10010.128	51289227.57	5.5270	A	2.2
8	☐			8231.26	0.0009	P	0.6

y = 5.5214E-004 * x + 4.0036E-005
R = 1.0000
DL = 0.03038
BEC = 0.07251

Weight: <None>
Min Conc: <None>

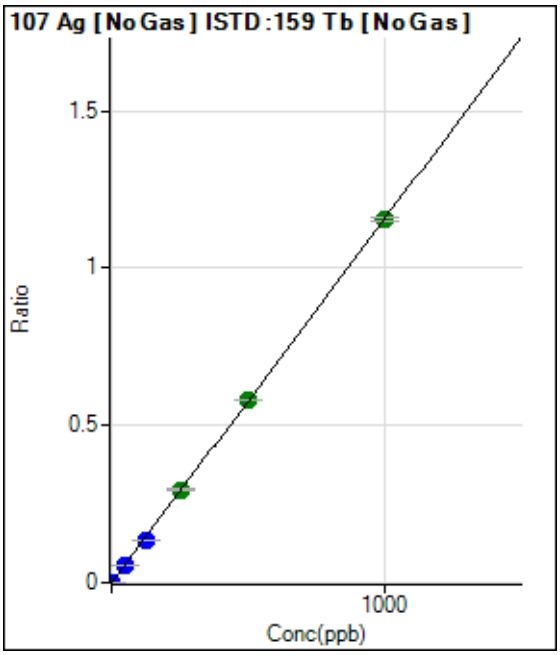


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2250.20	0.0003	P	7.5
2	☐	1.000	1.714	2468.01	0.0004	P	6.7
3	☐	50.000	53.889	9581.01	0.0015	P	2.2
4	☐	125.000	129.977	20007.24	0.0031	P	1.8
5	☐	250.000	257.199	37928.34	0.0057	P	1.0
6	☐	500.000	502.780	73815.28	0.0108	P	1.7
7	☐	1000.000	995.993	146058.41	0.0211	P	0.6
8	☐			2496.91	0.0004	P	4.0

y = 2.0797E-005 * x + 3.4846E-004
R = 1.0000
DL = 3.784
BEC = 16.76

Weight: <None>
Min Conc: <None>

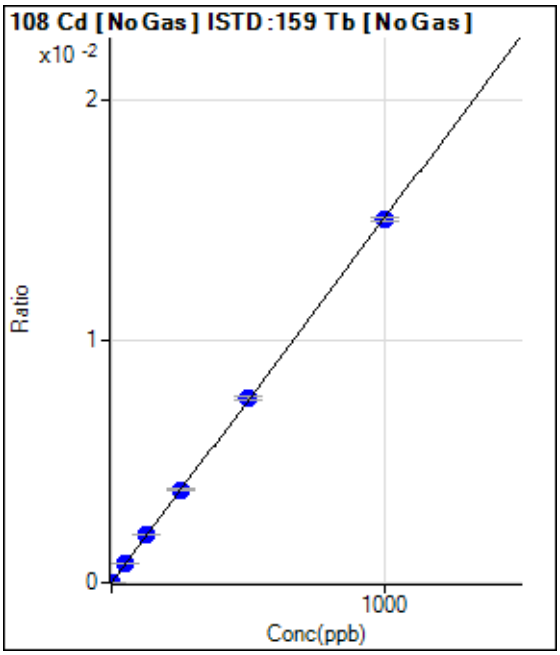
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45.59	0.0000	P	14.5
2	☐	1.000	1.080	8064.27	0.0013	P	2.2
3	☐	50.000	46.250	348484.43	0.0534	P	1.1
4	☐	125.000	115.106	871841.99	0.1330	P	0.1
5	☐	250.000	256.225	1970542.91	0.2960	A	1.5
6	☐	500.000	503.550	3974134.42	0.5817	A	0.5
7	☐	1000.000	998.093	7994704.32	1.1530	A	1.2
8	☐			904.35	0.0001	P	12.1

y = 0.0012 * x + 7.0525E-006
R = 0.9999
DL = 0.002648
BEC = 0.006105

Weight: <None>
Min Conc: <None>

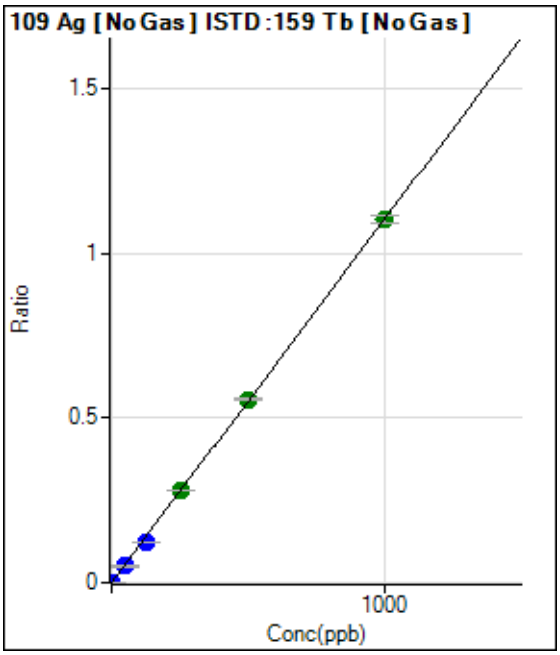


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5.55	0.0000	P	69.2
2	☐	1.000	1.203	122.22	0.0000	P	6.8
3	☐	50.000	52.390	5163.18	0.0008	P	4.2
4	☐	125.000	131.846	13055.98	0.0020	P	0.8
5	☐	250.000	254.829	25617.16	0.0038	P	1.8
6	☐	500.000	505.927	52187.95	0.0076	P	1.5
7	☐	1000.000	994.854	104150.94	0.0150	P	1.2
8	☐			103.33	0.0000	P	10.9

y = 1.5097E-005 * x + 8.5934E-007
R = 0.9999
DL = 0.1182
BEC = 0.05692

Weight: <None>
Min Conc: <None>

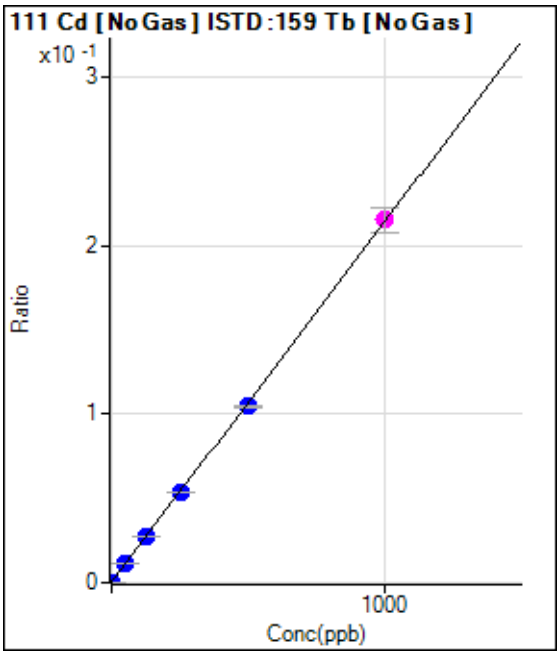
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.56	0.0000	P	33.5
2	☐	1.000	1.089	7746.57	0.0012	P	0.4
3	☐	50.000	45.298	325811.13	0.0500	P	1.6
4	☐	125.000	112.681	814747.68	0.1243	P	0.5
5	☐	250.000	252.389	1852960.27	0.2783	A	0.6
6	☐	500.000	505.121	3805740.36	0.5571	A	1.2
7	☐	1000.000	998.617	7636478.01	1.1013	A	2.0
8	☐			764.47	0.0001	P	11.8

y = 0.0011 * x + 3.9626E-006
R = 0.9999
DL = 0.003607
BEC = 0.003593

Weight: <None>
Min Conc: <None>

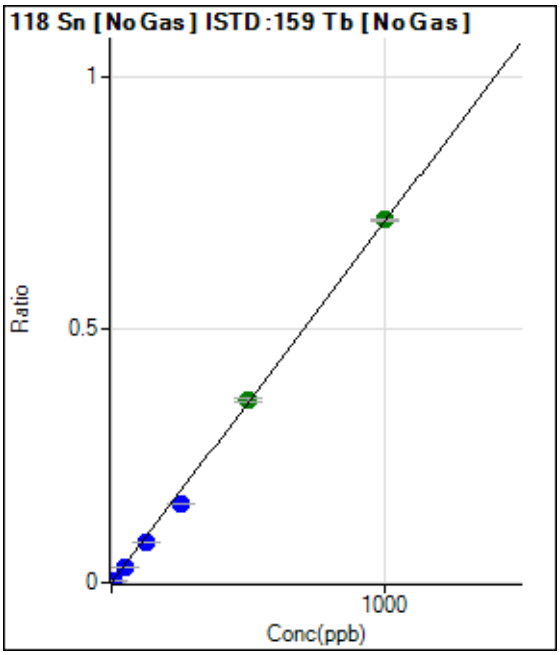


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1576.80	0.0002	P	7.8
2	☐	1.000	1.041	2997.68	0.0005	P	5.7
3	☐	50.000	51.068	72715.79	0.0111	P	1.3
4	☐	125.000	126.966	179365.28	0.0274	P	0.8
5	☐	250.000	248.770	355289.71	0.0534	P	0.4
6	☐	500.000	488.551	714443.42	0.1046	P	0.6
7	☐	1000.000	1005.733	1492218.94	0.2150	M	7.2
8	☐			2429.98	0.0004	P	3.6

y = 2.1355E-004 * x + 2.4418E-004
R = 0.9999
DL = 0.269
BEC = 1.143

Weight: <None>
Min Conc: <None>

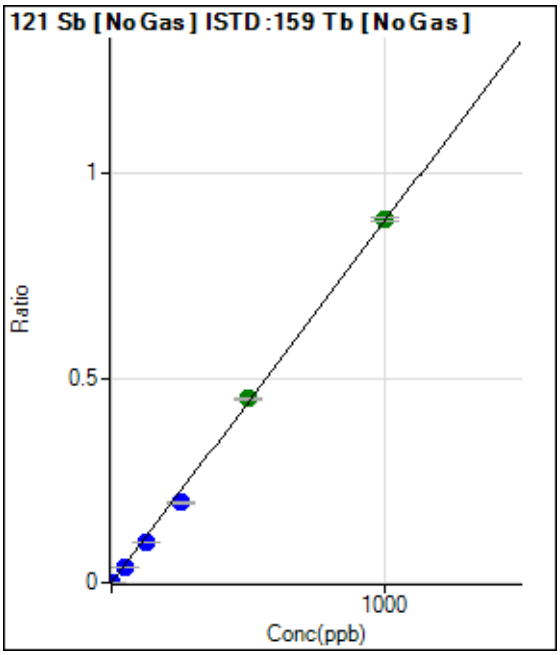
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1365.63	0.0002	P	5.6
2	☐	5.000	4.954	24015.67	0.0037	P	0.3
3	☐	50.000	44.743	208988.21	0.0320	P	0.8
4	☐	125.000	111.755	522676.15	0.0797	P	0.8
5	☐	250.000	219.894	1042915.13	0.1567	P	0.4
6	☐	500.000	505.996	2460924.51	0.3602	A	1.9
7	☐	1000.000	1006.447	4966726.04	0.7163	A	0.7
8	☐			2462.46	0.0004	P	7.5

y = 7.1148E-004 * x + 2.1137E-004
R = 0.9995
DL = 0.04954
BEC = 0.2971

Weight: <None>
Min Conc: <None>

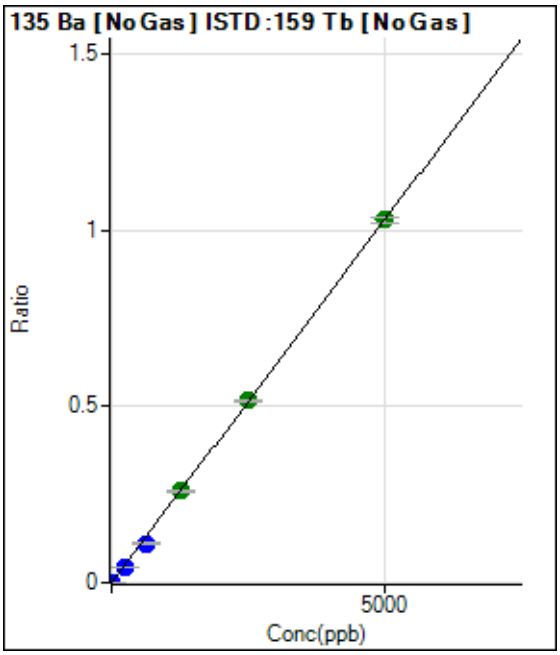


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.29	0.0000	P	16.2
2	☐	2.000	1.965	11171.64	0.0017	P	0.6
3	☐	50.000	44.382	255363.93	0.0392	P	0.8
4	☐	125.000	111.567	645278.60	0.0984	P	0.5
5	☐	250.000	220.904	1297318.56	0.1949	P	1.1
6	☐	500.000	510.107	3074268.67	0.4500	A	1.0
7	☐	1000.000	1004.181	6143118.71	0.8858	A	1.1
8	☐			4189.27	0.0006	P	3.3

y = 8.8215E-004 * x + 5.0006E-006
R = 0.9994
DL = 0.002756
BEC = 0.005669

Weight: <None>
Min Conc: <None>

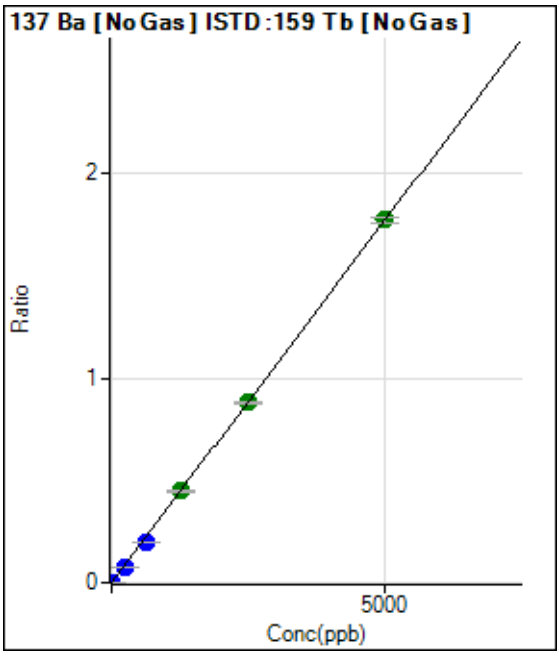
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17.78	0.0000	P	28.0
2	☐	10.000	9.543	12639.02	0.0020	P	1.2
3	☐	250.000	217.138	291401.28	0.0447	P	1.3
4	☐	625.000	540.737	729482.51	0.1113	P	1.3
5	☐	1250.000	1262.509	1729417.01	0.2598	A	1.0
6	☐	2500.000	2511.243	3530180.82	0.5167	A	0.8
7	☐	5000.000	5003.428	7138809.13	1.0295	A	1.4
8	☐			3469.35	0.0005	P	1.8

y = 2.0577E-004 * x + 2.7484E-006
R = 0.9998
DL = 0.0112
BEC = 0.01336

Weight: <None>
Min Conc: <None>

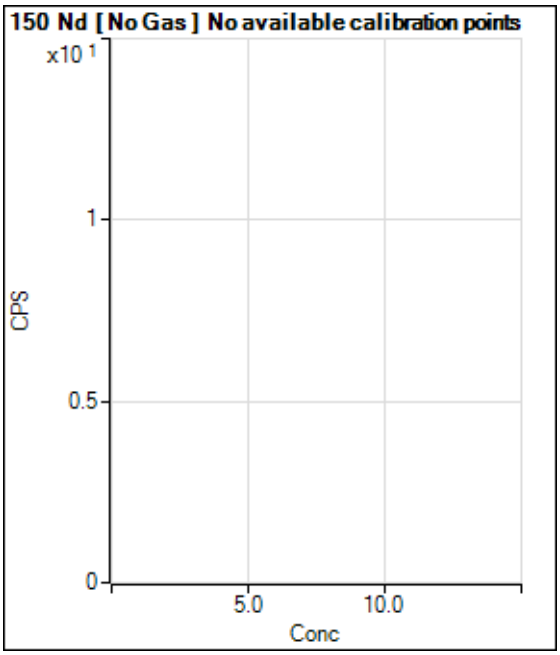


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	62.5
2	☐	10.000	9.801	22324.31	0.0035	P	0.9
3	☐	250.000	219.454	506699.11	0.0777	P	1.2
4	☐	625.000	546.154	1267686.91	0.1934	P	0.3
5	☐	1250.000	1264.777	2980900.89	0.4478	A	1.7
6	☐	2500.000	2489.044	6020135.26	0.8812	A	1.6
7	☐	5000.000	5013.167	12305817.73	1.7748	A	1.4
8	☐			5933.51	0.0009	P	3.5

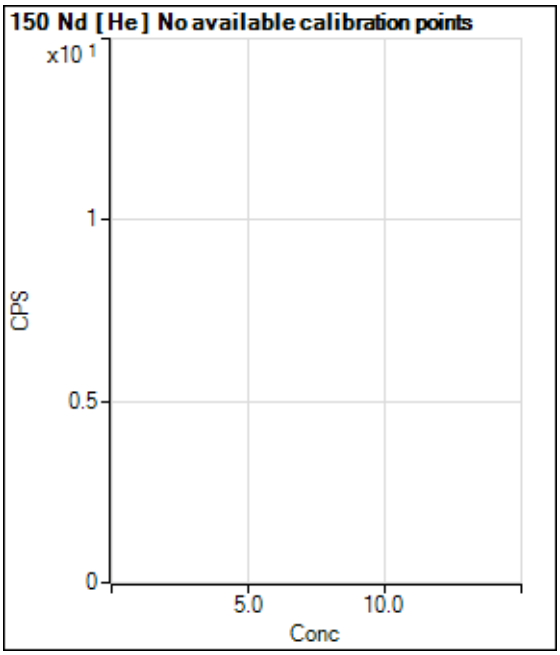
y = 3.5403E-004 * x + 3.4470E-006
R = 0.9999
DL = 0.01826
BEC = 0.009736

Weight: <None>
Min Conc: <None>

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

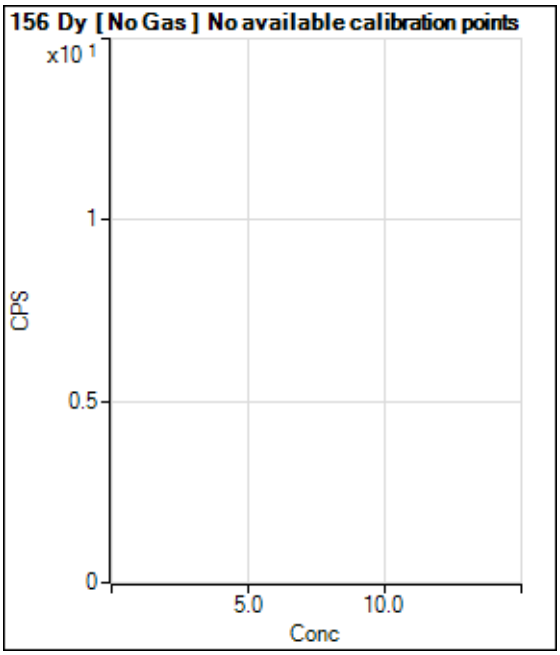


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4.44		P	114.
2	☐			5.56		P	91.6
3	☐			21.11		P	24.1
4	☐			40.00		P	22.0
5	☐			61.11		P	31.0
6	☐			132.22		P	2.9
7	☐			227.78		P	1.7
8	☐			121.11		P	32.3

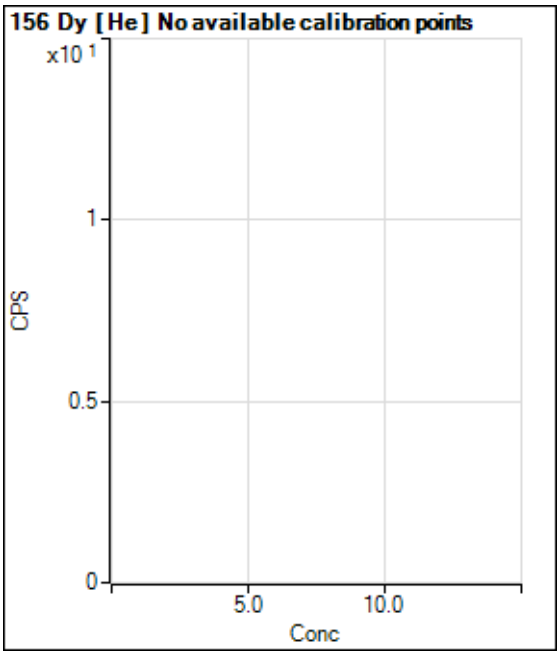


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	173.
2	☐			4.45		P	86.6
3	☐			15.56		P	12.4
4	☐			17.78		P	47.2
5	☐			31.11		P	50.6
6	☐			66.67		P	26.5
7	☐			112.22		P	29.8
8	☐			105.55		P	18.5

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

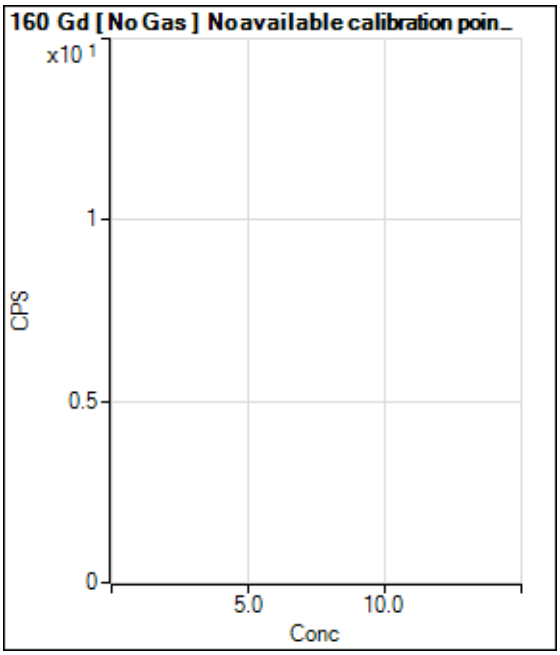


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.55		P	69.3
2	☐			6.67		P	50.0
3	☐			8.89		P	21.6
4	☐			25.56		P	39.8
5	☐			31.11		P	52.9
6	☐			63.34		P	9.1
7	☐			150.00		P	28.4
8	☐			275.56		P	19.7

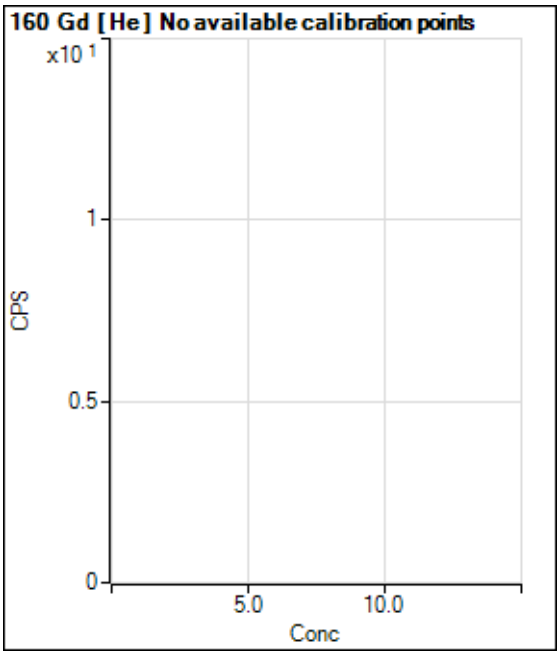


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4.44		P	114.
2	☐			2.22		P	86.6
3	☐			20.00		P	16.7
4	☐			41.11		P	44.7
5	☐			72.22		P	23.7
6	☐			186.67		P	4.7
7	☐			356.68		P	7.4
8	☐			274.45		P	11.5

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

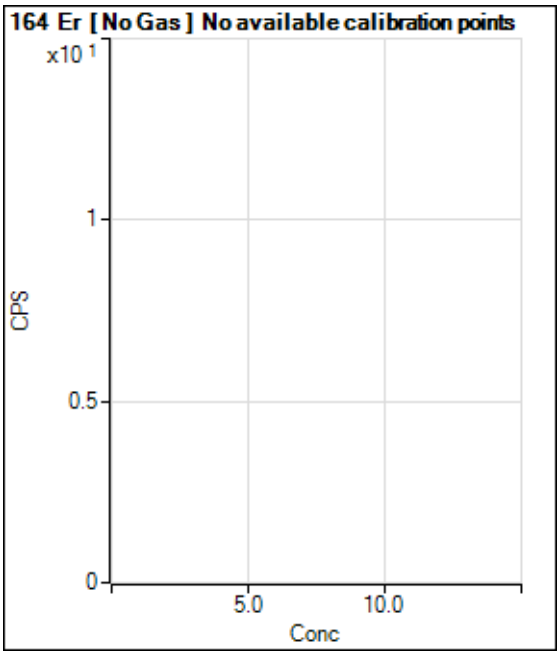


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			44.44		P	22.9
2	☐			55.56		P	18.3
3	☐			46.67		P	14.3
4	☐			66.67		P	8.7
5	☐			85.56		P	29.8
6	☐			75.55		P	25.9
7	☐			153.34		P	10.9
8	☐			303.34		P	7.9

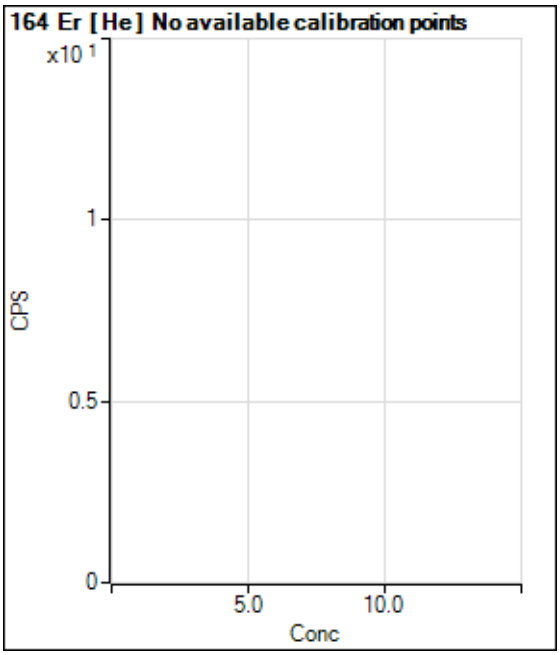


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			328.90		P	6.5
2	☐			277.79		P	7.0
3	☐			304.45		P	9.8
4	☐			351.12		P	12.5
5	☐			326.67		P	8.0
6	☐			344.45		P	10.2
7	☐			388.90		P	15.3
8	☐			535.57		P	6.8

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

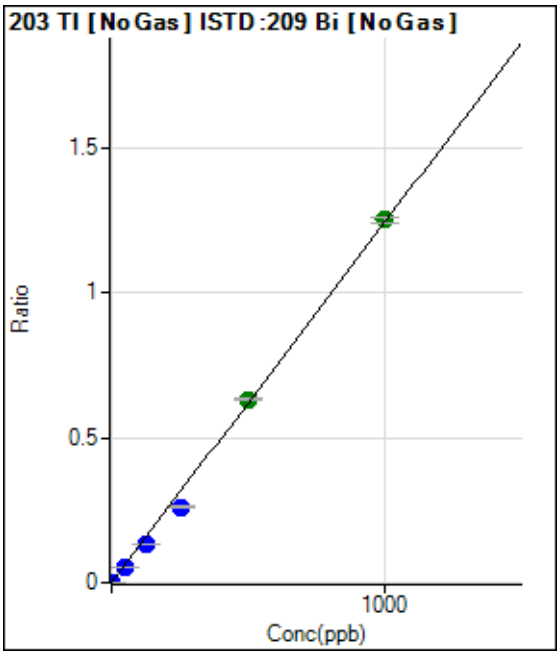


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			35.56		P	5.4
2	☐			44.44		P	38.5
3	☐			58.89		P	22.9
4	☐			60.00		P	16.7
5	☐			102.22		P	26.2
6	☐			130.00		P	11.2
7	☐			222.23		P	15.6
8	☐			596.68		P	4.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			33.34		P	17.3
2	☐			34.45		P	11.2
3	☐			51.11		P	22.9
4	☐			50.00		P	29.1
5	☐			75.56		P	2.6
6	☐			113.33		P	2.9
7	☐			180.01		P	14.0
8	☐			488.90		P	8.5

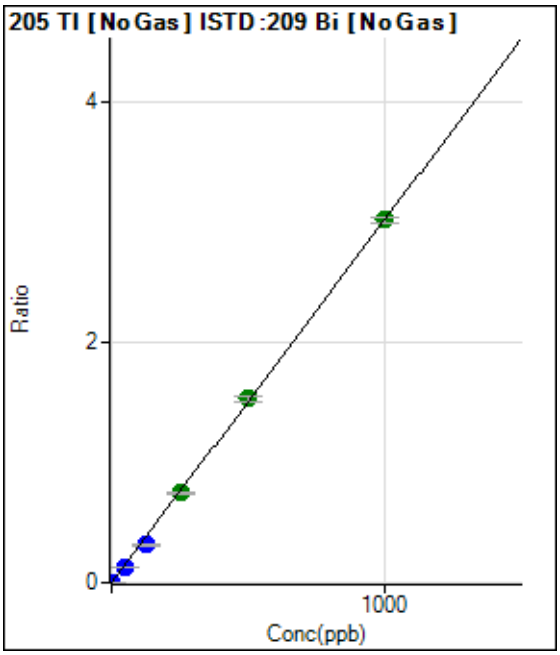
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	56.67	0.0000	P	15.8
2	☐	1.000	0.925	4706.42	0.0012	P	1.6
3	☐	50.000	42.237	212507.57	0.0525	P	0.5
4	☐	125.000	105.959	535089.14	0.1317	P	1.1
5	☐	250.000	210.572	1070649.19	0.2618	P	2.0
6	☐	500.000	509.214	2610866.80	0.6331	A	1.1
7	☐	1000.000	1008.018	5252719.68	1.2532	A	1.6
8	☐			3921.71	0.0010	P	1.5

y = 0.0012 * x + 1.4523E-005
R = 0.9991
DL = 0.005528
BEC = 0.01168

Weight: <None>
Min Conc: <None>

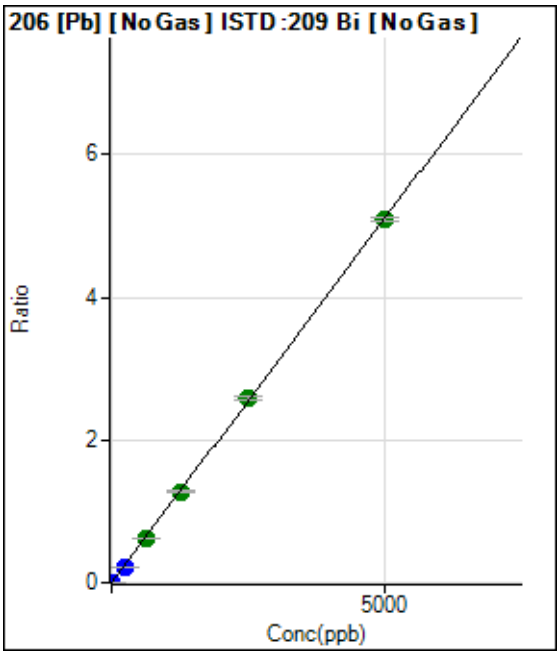


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	112.23	0.0000	P	12.8
2	☐	1.000	0.938	11552.78	0.0029	P	2.0
3	☐	50.000	41.623	507944.26	0.1255	P	0.4
4	☐	125.000	103.676	1269879.77	0.3127	P	1.5
5	☐	250.000	247.334	3050349.50	0.7459	A	2.7
6	☐	500.000	506.475	6298912.20	1.5273	A	2.2
7	☐	1000.000	1000.513	12646391.20	3.0171	A	1.4
8	☐			9493.38	0.0024	P	2.9

y = 0.0030 * x + 2.8738E-005
R = 0.9997
DL = 0.003658
BEC = 0.00953

Weight: <None>
Min Conc: <None>

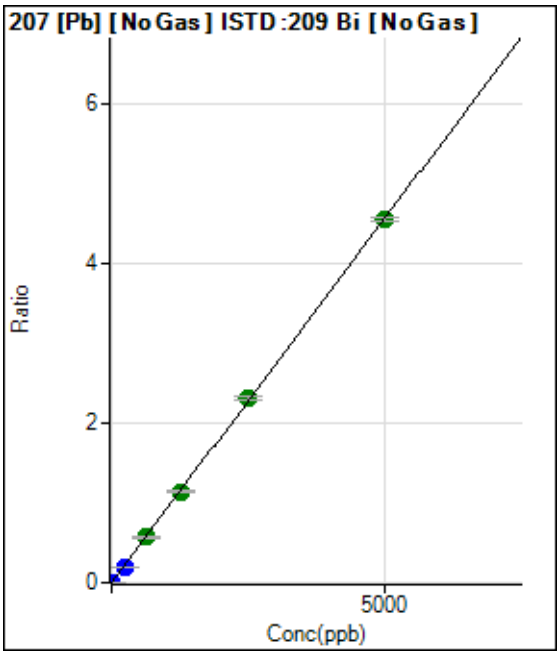
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	514.46	0.0001	P	7.5
2	☐	1.000	0.758	3658.31	0.0009	P	0.4
3	☐	250.000	212.730	878742.86	0.2172	P	0.2
4	☐	625.000	614.191	2545940.10	0.6268	A	1.0
5	☐	1250.000	1243.740	5190603.08	1.2692	A	2.3
6	☐	2500.000	2540.398	10690091.99	2.5923	A	2.4
7	☐	5000.000	4984.580	21319660.93	5.0862	A	1.0
8	☐			5003.19	0.0013	P	1.2

y = 0.0010 * x + 1.3185E-004
R = 0.9999
DL = 0.02897
BEC = 0.1292

Weight: <None>
Min Conc: <None>

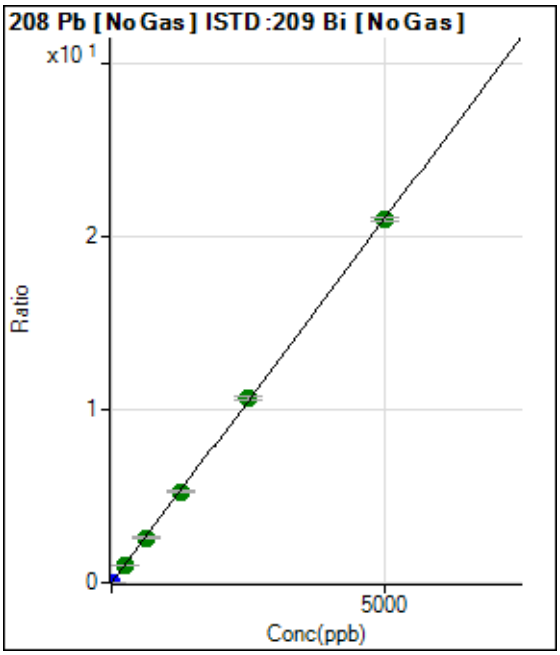


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	416.68	0.0001	P	8.8
2	☐	1.000	0.791	3349.34	0.0008	P	4.0
3	☐	250.000	205.730	759352.52	0.1877	P	0.6
4	☐	625.000	624.214	2312349.04	0.5693	A	1.1
5	☐	1250.000	1253.757	4675356.73	1.1433	A	2.9
6	☐	2500.000	2532.311	9522024.58	2.3090	A	1.7
7	☐	5000.000	4985.217	19053024.99	4.5455	A	1.1
8	☐			4382.97	0.0011	P	1.6

y = 9.1178E-004 * x + 1.0676E-004
R = 0.9999
DL = 0.03096
BEC = 0.1171

Weight: <None>
Min Conc: <None>

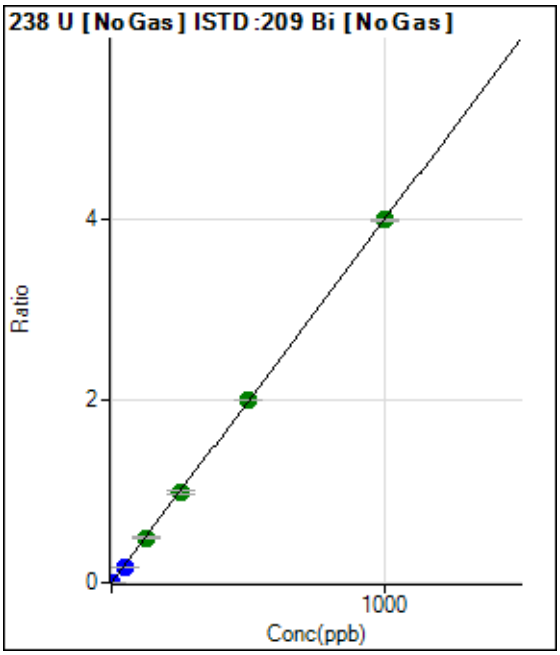
Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1892.38	0.0005	P	0.8
2	☐	1.000	0.833	16082.17	0.0040	P	0.7
3	☐	250.000	231.226	3927566.59	0.9707	A	0.7
4	☐	625.000	618.647	10545584.10	2.5964	A	0.8
5	☐	1250.000	1249.060	21436469.69	5.2416	A	1.9
6	☐	2500.000	2528.774	43759973.38	10.6113	A	2.0
7	☐	5000.000	4987.581	87724274.87	20.9286	A	1.2
8	☐			20529.69	0.0053	P	0.6

y = 0.0042 * x + 4.8482E-004
R = 1.0000
DL = 0.002801
BEC = 0.1155

Weight: <None>
Min Conc: <None>

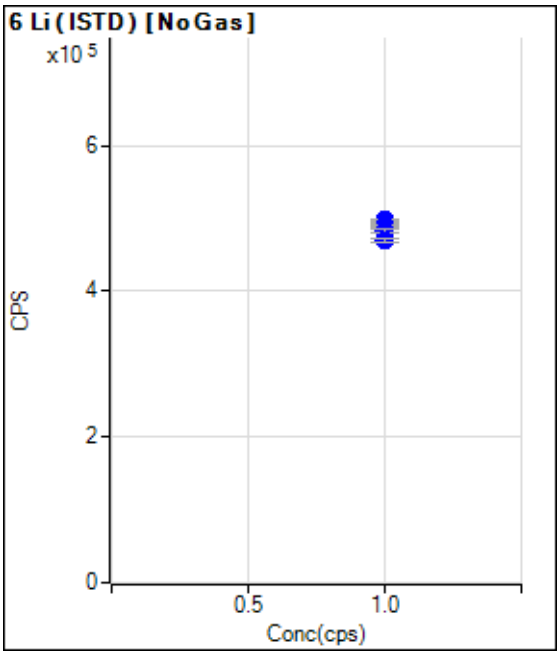


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	100.
2	☐	1.000	0.887	14316.69	0.0035	P	0.1
3	☐	50.000	40.215	649775.30	0.1606	P	0.5
4	☐	125.000	124.437	2018470.54	0.4970	A	1.2
5	☐	250.000	249.040	4067234.91	0.9946	A	2.8
6	☐	500.000	502.836	8282357.51	2.0081	A	0.9
7	☐	1000.000	999.381	16729755.73	3.9911	A	0.9
8	☐			431.12	0.0001	P	7.5

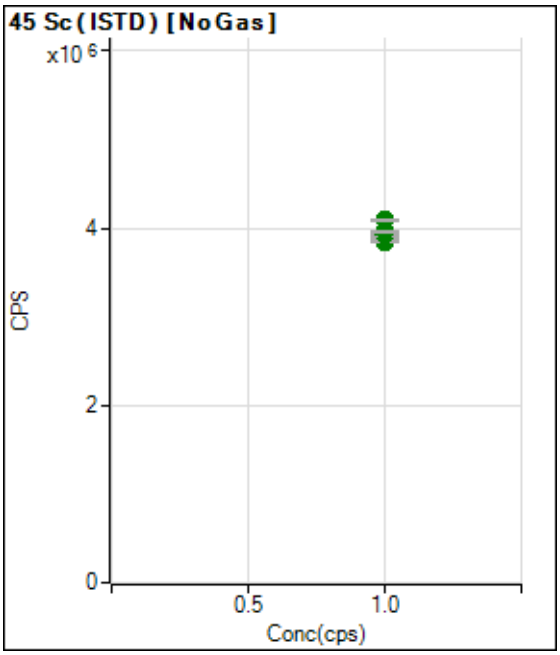
y = 0.0040 * x + 8.5051E-007
R = 0.9999
DL = 0.0006393
BEC = 0.000213

Weight: <None>
Min Conc: <None>

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

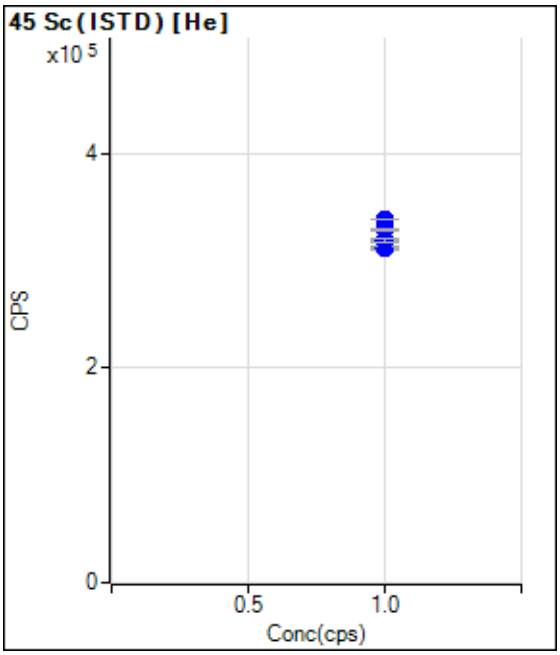


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		483219.33		P	0.8
2	☐	1.000		490352.35		P	0.5
3	☐	1.000		497693.48		P	0.3
4	☐	1.000		491847.86		P	0.9
5	☐	1.000		490724.79		P	0.8
6	☐	1.000		488622.40		P	0.5
7	☐	1.000		482831.12		P	1.6
8	☐	1.000		468827.26		P	1.2

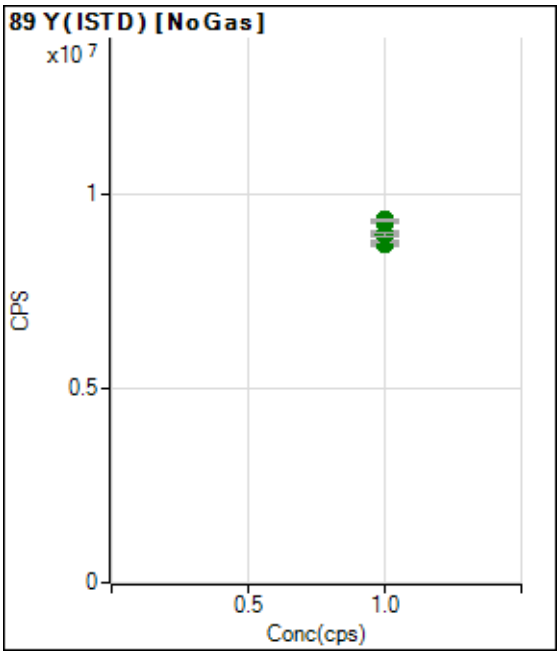


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3861333.41		A	0.5
2	☐	1.000		3844124.25		A	0.4
3	☐	1.000		3872927.65		A	2.1
4	☐	1.000		3887534.91		A	0.4
5	☐	1.000		3848977.75		A	0.8
6	☐	1.000		3931309.94		A	1.2
7	☐	1.000		3958039.32		A	0.2
8	☐	1.000		4090602.47		A	0.6

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

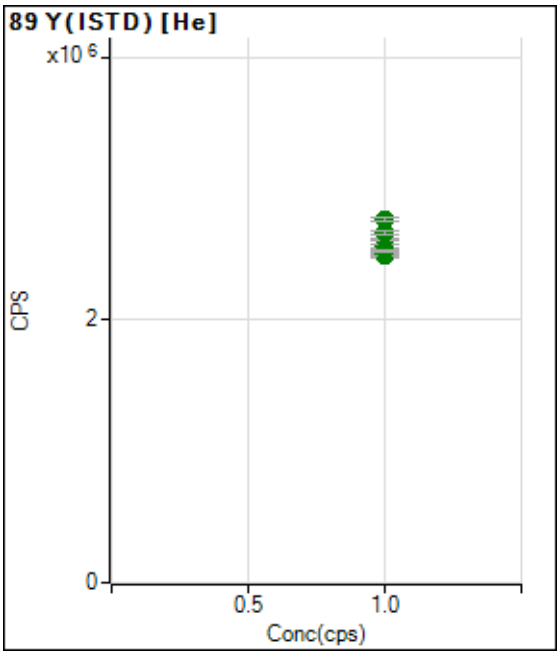


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		312963.20		P	0.2
2	☐	1.000		312624.58		P	0.7
3	☐	1.000		318172.43		P	0.3
4	☐	1.000		311428.25		P	1.0
5	☐	1.000		314157.55		P	0.1
6	☐	1.000		318736.15		P	1.3
7	☐	1.000		329039.18		P	0.2
8	☐	1.000		338216.55		P	0.1

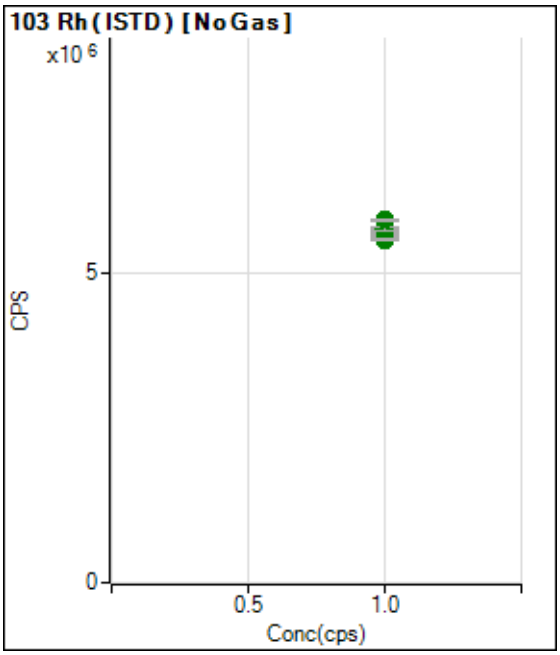


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8715152.23		A	1.2
2	☐	1.000		8740746.47		A	0.4
3	☐	1.000		8943434.73		A	0.4
4	☐	1.000		8791282.65		A	0.5
5	☐	1.000		8976239.73		A	1.6
6	☐	1.000		8975169.17		A	1.0
7	☐	1.000		9279679.79		A	0.9
8	☐	1.000		9339725.35		A	0.8

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

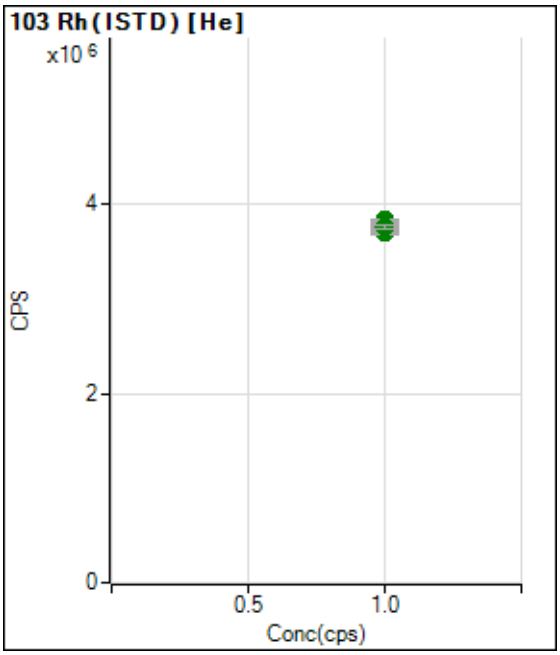


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		1.000		2492640.97		A	0.8
2		1.000		2511083.97		A	0.6
3		1.000		2564152.47		A	0.8
4		1.000		2509171.21		A	1.6
5		1.000		2527896.79		A	1.0
6		1.000		2616302.51		A	0.4
7		1.000		2664355.33		A	1.0
8		1.000		2763661.73		A	1.0

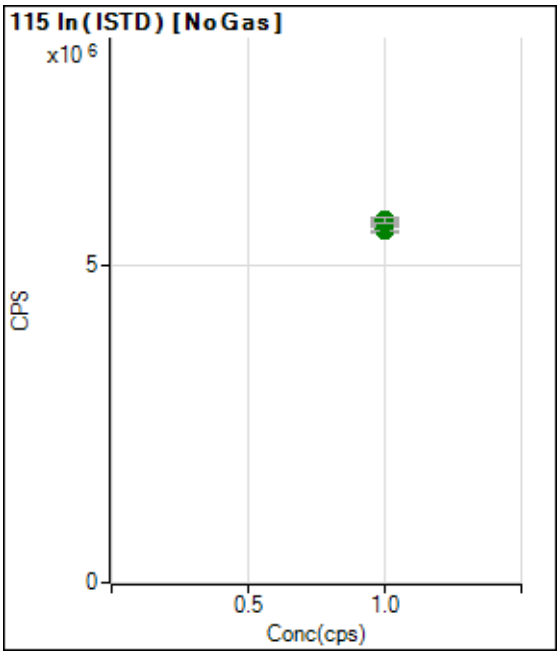


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		1.000		5635342.76		A	1.1
2		1.000		5697305.89		A	0.8
3		1.000		5662631.16		A	0.9
4		1.000		5718775.19		A	0.7
5		1.000		5670005.96		A	0.9
6		1.000		5708394.29		A	1.1
7		1.000		5864357.83		A	0.5
8		1.000		5541746.03		A	0.7

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

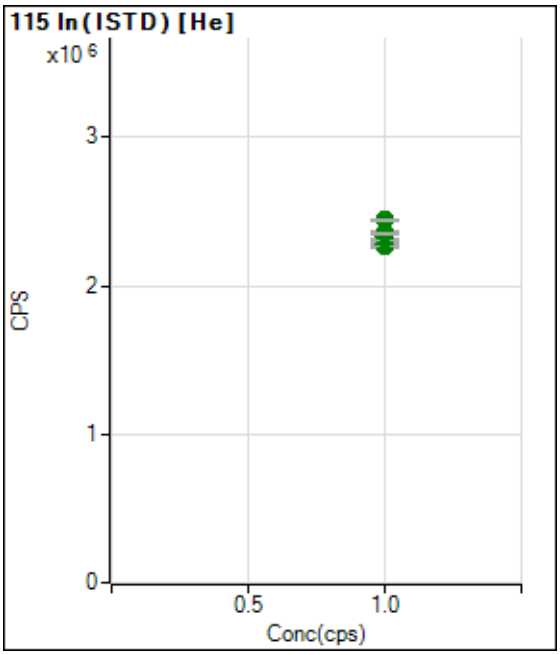


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3727183.73		A	0.9
2	☐	1.000		3733903.45		A	1.3
3	☐	1.000		3767782.90		A	0.6
4	☐	1.000		3690087.76		A	1.1
5	☐	1.000		3789170.18		A	0.6
6	☐	1.000		3800024.74		A	0.4
7	☐	1.000		3835728.76		A	0.8
8	☐	1.000		3756823.03		A	1.3

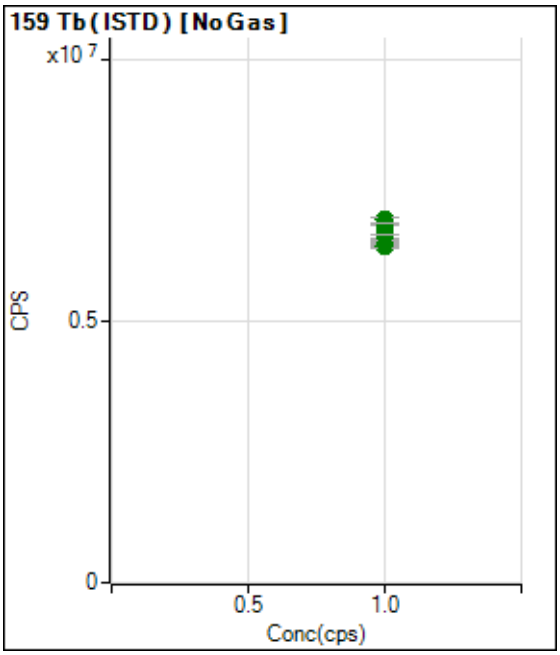


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5536882.21		A	0.3
2	☐	1.000		5564238.05		A	1.1
3	☐	1.000		5671723.14		A	0.7
4	☐	1.000		5695695.38		A	1.2
5	☐	1.000		5665883.79		A	0.6
6	☐	1.000		5676853.76		A	0.1
7	☐	1.000		5720217.38		A	1.4
8	☐	1.000		5708670.68		A	1.8

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

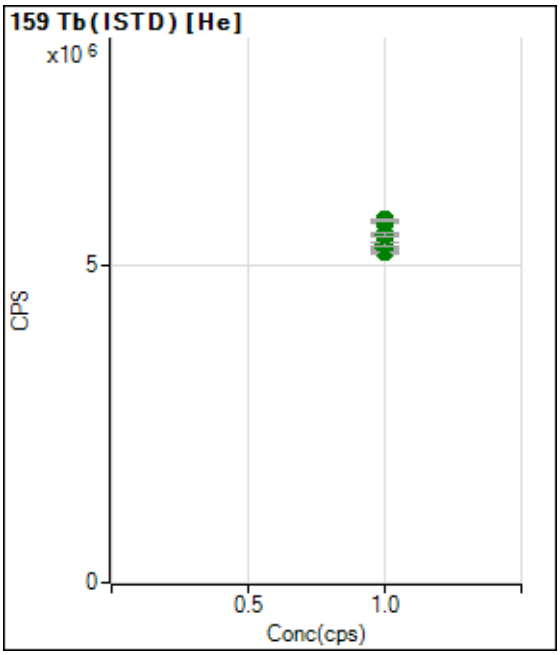


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2267630.54		A	1.2
2	☐	1.000		2309031.11		A	1.1
3	☐	1.000		2349282.67		A	0.5
4	☐	1.000		2286468.43		A	1.8
5	☐	1.000		2315469.74		A	0.6
6	☐	1.000		2338578.32		A	2.4
7	☐	1.000		2356869.33		A	0.6
8	☐	1.000		2444800.15		A	0.8

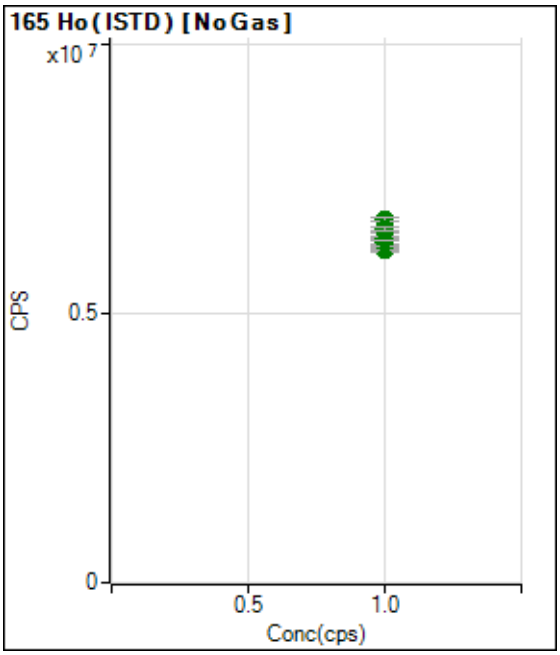


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6459738.58		A	0.7
2	☐	1.000		6427435.88		A	1.1
3	☐	1.000		6521890.39		A	0.7
4	☐	1.000		6556214.76		A	0.3
5	☐	1.000		6657084.76		A	0.2
6	☐	1.000		6831779.76		A	0.0
7	☐	1.000		6934515.03		A	1.6
8	☐	1.000		6877533.02		A	0.3

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

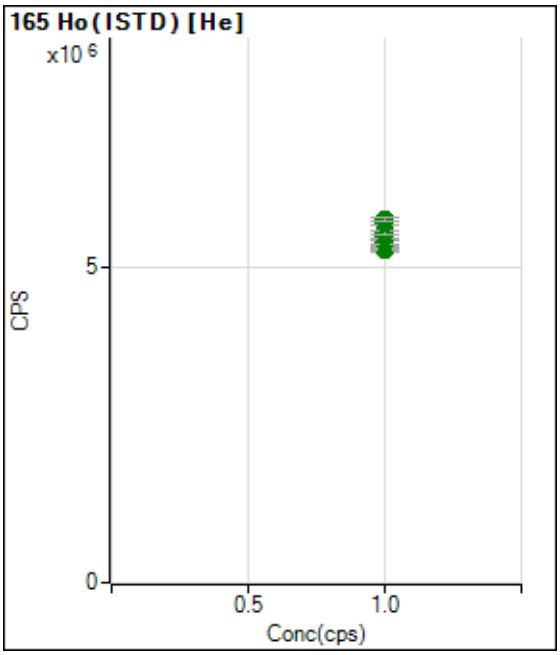


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5213897.11		A	0.9
2	☐	1.000		5281838.50		A	0.7
3	☐	1.000		5268018.74		A	1.4
4	☐	1.000		5324155.69		A	1.1
5	☐	1.000		5500803.39		A	0.9
6	☐	1.000		5491878.18		A	1.1
7	☐	1.000		5667042.42		A	0.3
8	☐	1.000		5722353.32		A	0.5

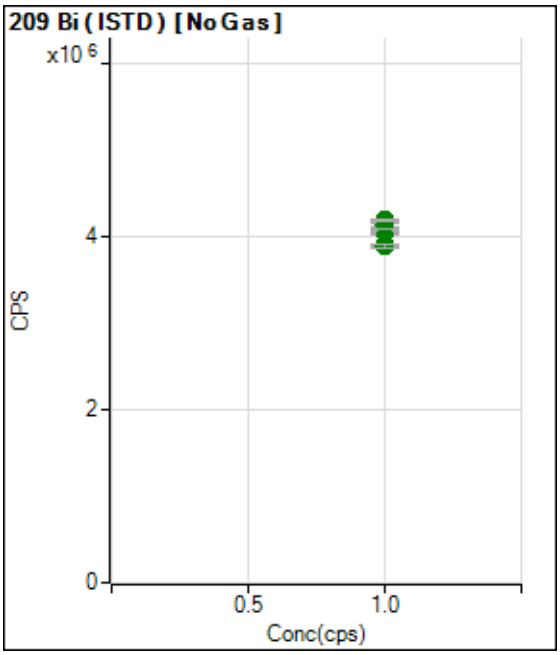


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6176183.17		A	1.1
2	☐	1.000		6235227.61		A	1.2
3	☐	1.000		6229813.79		A	1.4
4	☐	1.000		6311384.14		A	1.9
5	☐	1.000		6393450.53		A	0.8
6	☐	1.000		6514170.18		A	0.7
7	☐	1.000		6734163.58		A	1.0
8	☐	1.000		6555746.57		A	1.0

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

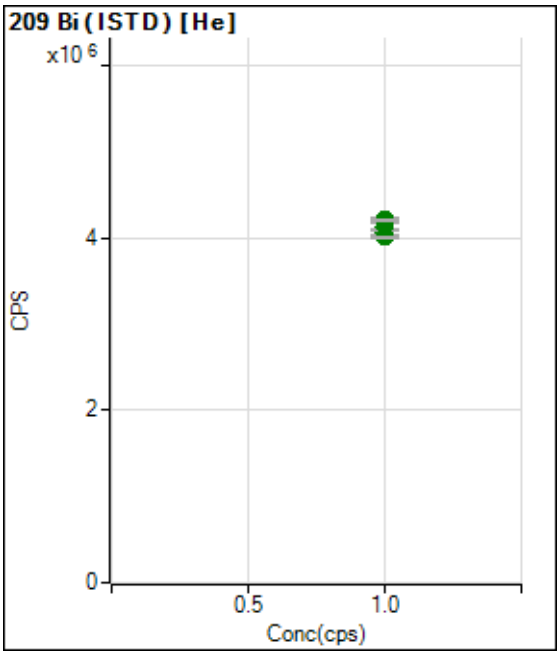


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5263828.01		A	1.5
2	☐	1.000		5305531.55		A	1.1
3	☐	1.000		5356435.96		A	2.3
4	☐	1.000		5396195.13		A	1.5
5	☐	1.000		5471118.95		A	1.0
6	☐	1.000		5539307.49		A	1.1
7	☐	1.000		5694353.04		A	1.1
8	☐	1.000		5745092.41		A	1.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3903103.24		A	0.7
2	☐	1.000		4042182.86		A	1.1
3	☐	1.000		4045908.24		A	0.7
4	☐	1.000		4061898.73		A	1.1
5	☐	1.000		4089904.84		A	0.8
6	☐	1.000		4124473.55		A	1.3
7	☐	1.000		4191869.73		A	0.8
8	☐	1.000		3891094.70		A	1.3

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4041988.65		A	1.8
2	☐	1.000		4091091.01		A	0.3
3	☐	1.000		4140311.47		A	1.4
4	☐	1.000		4062654.94		A	0.9
5	☐	1.000		4207208.16		A	0.6
6	☐	1.000		4207631.36		A	1.8
7	☐	1.000		4214651.92		A	0.5
8	☐	1.000		4013018.27		A	0.6

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7072225-MS.b
Acq. Date-Time	2025-07-22 14:06:48
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		5369	53687.35			0.512	5.000
24		153390	1533899.69			0.696	5.000
25		17018	170175.90			0.344	5.000
26		19730	197301.37			0.679	5.000
59		83772	837718.19			0.488	5.000
113		8309	83089.39			0.139	5.000
115		109401	1094008.05			1.225	5.000
206		18057	180573.39			0.548	5.000
207		15801	158006.47			0.631	5.000
208		37959	379586.11			0.742	5.000
220		0	3.40			42.111	

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

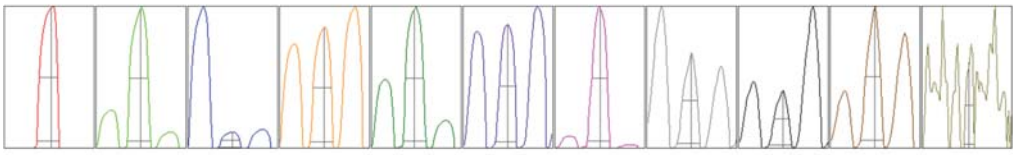
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	5375	5398	5339	5391	5341
24	152473	152629	152972	155055	153820
25	16929	17004	17015	17060	17080
26	19527	19718	19758	19748	19901
59	83179	84318	83737	83727	83898
113	8310	8307	8309	8326	8293
115	110728	107417	110542	108974	109342
206	17968	17937	18116	18162	18103
207	15725	15682	15821	15841	15934
208	37637	37721	37988	38135	38313

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	9294.31	9.10	8.90 - 9.10	
24	263223.19	24.00	23.90 - 24.10	
25	29414.74	25.00	24.90 - 25.10	
26	34175.74	26.00	25.90 - 26.10	
59	146481.26	58.95	58.90 - 59.10	
113	16030.75	113.00	112.90 - 113.10	
115	212276.19	115.05	114.90 - 115.10	
206	37544.96	206.00	205.90 - 206.10	
207	32555.02	207.00	206.90 - 207.10	
208	79086.98	208.00	207.90 - 208.10	
220	0.45	220.10	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.738	0.900	
24	0.62	0.781	0.900	
25	0.61	0.747	0.900	
26	0.61	0.773	0.900	
59	0.59	0.775	0.900	
113	0.53	0.719	0.900	
115	0.51	0.758	0.900	
206	0.50	0.769	0.900	
207	0.50	0.771	0.900	
208	0.50	0.777	0.900	
220	0.28	0.343		

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	8.0 V	Deflect	14.0 V
Extract 2	-155.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-75 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	138	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.17		

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		24968	249684.85			0.430	
89		76334	763335.45			1.139	
205		25761	257612.91			1.357	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	25111	25052	24858	24899	24924
89	77698	76112	75394	76557	75907
205	26260	25962	25374	25627	25582

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:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

US EPA Tune Check Report

Extract 2	-180.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-85 V	Cell Exit	-60 V		

Cell Parameters

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

QP Parameters

Mass Gain	138	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.17		

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:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:42:07	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.11	-0.02	0.13	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	-0.01	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.02	0.05	-0.02	0.00	N/A	ppb
Cadmium	106-1	0.98	0.45	-1.42	0.00	N/A	ppb
Cadmium	111-1	0.07	0.03	-0.10	0.00	N/A	ppb
Calcium	43-1	0.38	0.73	-1.11	0.00	N/A	ppb
Calcium	44-1	-0.91	0.78	0.13	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	0.01	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	0.07	-0.01	-0.06	0.00	N/A	ppb
Iron	57-2	-0.68	0.84	-0.16	0.00	N/A	ppb
Iron	54-2	0.27	-0.33	0.07	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:42:07	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	-0.01	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	-0.07	0.00	N/A	ppb
Manganese	55-2	-0.03	0.02	0.01	0.00	N/A	ppb
Molybdenum	94-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	-0.02	0.02	0.00	N/A	ppb
Molybdenum	98-1	0.01	-0.01	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	-0.04	0.00	0.00	N/A	ppb
Phosphorus	31-2	-133.51	-136.75	-146.24	-138.84		ppb
Potassium	39-2	-1.20	-0.75	1.95	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.23	0.16	-0.39	0.00	N/A	ppb
Selenium	77-2	0.00	0.27	-0.26	0.00	N/A	ppb
Selenium	78-2	0.30	-0.33	0.03	0.00	N/A	ppb
Silicon	28-1	-0.28	0.09	0.19	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	0.05	0.05	-0.10	0.00	N/A	ppb
Strontium	86-1	0.03	-0.02	-0.01	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-341.27	-186.92	-271.24	-266.47		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	0.02	0.00	0.00	N/A	ppb
Titanium	47-1	-0.02	0.01	0.01	0.00	N/A	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:42:07	DataFile Name :	004CALB.d

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

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:48:42	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.76	18.81	19.70	19.09	2.78	ppb
Antimony	121-1	1.97	1.95	1.98	1.96	0.60	ppb
Arsenic	75-2	1.24	1.18	1.21	1.21	2.31	ppb
Barium	135-1	9.54	9.66	9.43	9.54	1.18	ppb
Barium	137-1	9.73	9.90	9.78	9.80	0.91	ppb
Beryllium	9-1	1.29	1.19	1.23	1.24	4.40	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.30	1.14	1.17	1.20	7.08	ppb
Cadmium	106-1	2.81	1.96	0.37	1.71	72.18	ppb
Cadmium	111-1	1.19	0.98	0.96	1.04	12.00	ppb
Calcium	43-1	491.36	482.96	471.00	481.77	2.12	ppb
Calcium	44-1	478.55	481.02	480.77	480.11	0.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.06	2.10	1.92	2.03	4.63	ppb
Cobalt	59-2	1.08	1.04	1.09	1.07	2.70	ppb
Copper	63-2	1.59	1.67	1.54	1.60	4.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				102		%
Iron	56-2	47.68	48.36	48.26	48.10	0.76	ppb
Iron	57-2	47.30	52.96	52.73	50.99	6.28	ppb
Iron	54-2	49.02	50.53	49.20	49.58	1.66	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:48:42	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.75	0.76	0.76	0.76	0.49	ppb
Lead	207-1	0.75	0.80	0.83	0.79	4.60	ppb
Lead	208-1	0.82	0.83	0.84	0.83	0.84	ppb
Lithium	6-1				101		%
Magnesium	24-2	458.22	463.16	466.06	462.48	0.86	ppb
Manganese	55-2	1.09	1.01	1.13	1.08	5.88	ppb
Molybdenum	94-1	5.71	5.97	5.85	5.84	2.22	ppb
Molybdenum	95-1	4.82	4.87	4.78	4.82	0.87	ppb
Molybdenum	96-1	4.95	5.13	5.02	5.04	1.77	ppb
Molybdenum	97-1	4.84	4.93	5.05	4.94	2.11	ppb
Molybdenum	98-1	4.91	4.97	4.82	4.90	1.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.05	1.14	1.07	5.11	ppb
Phosphorus	31-2	129.06	142.76	144.69	138.84	6.14	ppb
Potassium	39-2	460.35	469.64	468.01	466.00	1.06	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	6.01	6.37	6.00	6.12	3.41	ppb
Selenium	77-2	5.98	4.74	4.74	5.15	13.97	ppb
Selenium	78-2	3.48	4.71	3.40	3.86	19.09	ppb
Silicon	28-1	0.50	0.11	0.08	0.23	100.36	ppb
Silver	107-1	1.08	1.10	1.05	1.08	2.22	ppb
Silver	109-1	1.09	1.08	1.09	1.09	0.38	ppb
Sodium	23-2	465.96	463.73	462.87	464.19	0.34	ppb
Strontium	86-1	0.97	1.01	1.06	1.01	4.33	ppb
Strontium	88-1	0.98	0.98	0.97	0.98	0.33	ppb
Sulfur	34-1	296.05	300.35	203.02	266.47	20.64	ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.91	0.93	0.94	0.92	1.65	ppb
Thallium	205-1	0.96	0.93	0.93	0.94	2.03	ppb
Tin	118-1	4.95	4.95	4.97	4.95	0.30	ppb
Titanium	47-1	4.85	5.01	5.15	5.00	2.95	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:48:42	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.89	0.89	0.89	0.89	0.07	ppb
Vanadium	51-2	4.97	5.05	5.00	5.00	0.77	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	4.78	5.23	5.12	5.04	4.64	ppb
Zirconium	90-1	0.99	1.03	0.98	1.00	2.32	ppb
Zirconium	91-1	1.05	1.04	1.09	1.06	2.43	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:51:58	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	885.60	872.59	875.17	877.79	0.78	ppb
Antimony	121-1	44.10	44.27	44.77	44.38	0.78	ppb
Arsenic	75-2	51.44	50.96	49.97	50.79	1.47	ppb
Barium	135-1	213.92	218.14	219.35	217.14	1.31	ppb
Barium	137-1	217.51	218.38	222.48	219.45	1.21	ppb
Beryllium	9-1	52.69	52.64	52.66	52.66	0.05	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	50.21	52.32	54.64	52.39	4.24	ppb
Cadmium	106-1	52.21	54.12	55.34	53.89	2.92	ppb
Cadmium	111-1	50.31	51.25	51.64	51.07	1.35	ppb
Calcium	43-1	4389.27	4382.29	4532.50	4434.69	1.91	ppb
Calcium	44-1	4814.91	4731.77	5072.21	4872.96	3.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45.78	45.39	45.19	45.45	0.66	ppb
Cobalt	59-2	45.43	45.25	44.91	45.20	0.58	ppb
Copper	63-2	528.16	505.24	516.51	516.64	2.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	56-2	2421.40	2394.48	2388.37	2401.42	0.73	ppb
Iron	57-2	2208.25	2214.97	2195.36	2206.19	0.45	ppb
Iron	54-2	2256.84	2270.18	2238.07	2255.03	0.72	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:51:58	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	212.56	212.37	213.26	212.73	0.22	ppb
Lead	207-1	205.92	204.47	206.80	205.73	0.57	ppb
Lead	208-1	229.43	232.08	232.16	231.23	0.67	ppb
Lithium	6-1				103		%
Magnesium	24-2	4958.37	5067.98	4937.33	4987.90	1.41	ppb
Manganese	55-2	448.79	438.56	440.83	442.73	1.21	ppb
Molybdenum	94-1	434.30	436.53	441.42	437.42	0.83	ppb
Molybdenum	95-1	493.43	485.34	502.12	493.63	1.70	ppb
Molybdenum	96-1	488.09	501.24	502.30	497.21	1.59	ppb
Molybdenum	97-1	433.00	434.63	437.17	434.93	0.48	ppb
Molybdenum	98-1	487.42	488.11	500.03	491.85	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	49.83	49.35	49.37	49.52	0.55	ppb
Phosphorus	31-2	911.85	925.49	941.93	926.42	1.63	ppb
Potassium	39-2	2158.48	2128.13	2141.44	2142.68	0.71	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	82-1	52.40	52.23	52.56	52.40	0.32	ppb
Selenium	77-2	56.60	50.55	45.91	51.02	10.50	ppb
Selenium	78-2	51.94	53.49	53.37	52.93	1.62	ppb
Silicon	28-1	57.49	58.45	61.93	59.29	3.94	ppb
Silver	107-1	45.79	46.13	46.82	46.25	1.14	ppb
Silver	109-1	44.58	45.25	46.06	45.30	1.63	ppb
Sodium	23-2	4884.26	4964.70	4909.20	4919.39	0.84	ppb
Strontium	86-1	43.79	45.19	44.76	44.58	1.61	ppb
Strontium	88-1	43.08	43.33	43.79	43.40	0.83	ppb
Sulfur	34-1	1129.56	732.62	1318.98	1060.38	28.22	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	42.11	42.12	42.48	42.24	0.50	ppb
Thallium	205-1	41.52	41.56	41.79	41.62	0.36	ppb
Tin	118-1	44.32	44.86	45.05	44.74	0.85	ppb
Titanium	47-1	434.66	435.87	449.62	440.05	1.89	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:51:58	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	40.21	40.00	40.43	40.21	0.54	ppb
Vanadium	51-2	44.94	45.01	44.37	44.77	0.78	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	470.07	461.62	459.62	463.77	1.20	ppb
Zirconium	90-1	43.04	43.00	43.85	43.30	1.10	ppb
Zirconium	91-1	44.17	44.58	45.26	44.67	1.23	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:55:08	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2202.37	2184.51	2193.96	2193.61	0.41	ppb
Antimony	121-1	110.95	112.02	111.73	111.57	0.49	ppb
Arsenic	75-2	130.05	126.01	124.05	126.70	2.41	ppb
Barium	135-1	535.80	548.57	537.84	540.74	1.27	ppb
Barium	137-1	544.42	547.07	546.97	546.15	0.28	ppb
Beryllium	9-1	128.39	130.00	131.33	129.91	1.13	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	132.32	130.68	132.53	131.85	0.77	ppb
Cadmium	106-1	132.97	129.20	127.76	129.98	2.07	ppb
Cadmium	111-1	125.83	127.14	127.93	126.97	0.84	ppb
Calcium	43-1	11013.10	10998.88	10923.00	10978.33	0.44	ppb
Calcium	44-1	11843.85	11897.91	12045.14	11928.97	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	110.99	112.17	115.01	112.72	1.83	ppb
Cobalt	59-2	111.21	111.18	113.28	111.89	1.08	ppb
Copper	63-2	1289.67	1293.68	1325.11	1302.82	1.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	6121.05	6118.93	6206.77	6148.92	0.81	ppb
Iron	57-2	5562.01	5516.19	5739.37	5605.86	2.10	ppb
Iron	54-2	5688.22	5603.50	5600.40	5630.71	0.88	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:55:08	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	613.52	608.11	620.95	614.19	1.05	ppb
Lead	207-1	632.33	620.73	619.58	624.21	1.13	ppb
Lead	208-1	613.40	618.86	623.68	618.65	0.83	ppb
Lithium	6-1				102		%
Magnesium	24-2	12262.47	12083.57	12361.72	12235.92	1.15	ppb
Manganese	55-2	1278.26	1289.36	1277.70	1281.77	0.51	ppb
Molybdenum	94-1	1247.91	1271.03	1244.05	1254.33	1.16	ppb
Molybdenum	95-1	1246.26	1280.21	1232.87	1253.11	1.95	ppb
Molybdenum	96-1	1261.58	1279.38	1260.43	1267.13	0.84	ppb
Molybdenum	97-1	1272.95	1264.00	1256.00	1264.32	0.67	ppb
Molybdenum	98-1	1274.30	1255.71	1242.83	1257.61	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	124.76	123.94	124.85	124.52	0.40	ppb
Phosphorus	31-2	2477.20	2517.28	2554.59	2516.35	1.54	ppb
Potassium	39-2	5900.58	5804.13	5932.39	5879.04	1.14	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	131.47	134.30	132.25	132.67	1.10	ppb
Selenium	77-2	139.39	131.05	122.35	130.93	6.51	ppb
Selenium	78-2	132.44	130.68	132.36	131.83	0.75	ppb
Silicon	28-1	139.31	134.31	147.24	140.29	4.65	ppb
Silver	107-1	115.23	114.95	115.14	115.11	0.12	ppb
Silver	109-1	112.75	113.16	112.13	112.68	0.46	ppb
Sodium	23-2	12127.19	11985.69	12314.97	12142.62	1.36	ppb
Strontium	86-1	113.11	113.67	114.45	113.74	0.59	ppb
Strontium	88-1	124.41	126.17	125.03	125.20	0.72	ppb
Sulfur	34-1	2580.42	2525.09	2352.80	2486.10	4.78	ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	104.96	105.74	107.17	105.96	1.06	ppb
Thallium	205-1	102.58	103.03	105.42	103.68	1.47	ppb
Tin	118-1	111.11	112.82	111.34	111.76	0.83	ppb
Titanium	47-1	1089.18	1092.08	1101.07	1094.11	0.57	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:55:08	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	125.12	122.69	125.50	124.44	1.22	ppb
Vanadium	51-2	112.94	112.76	115.14	113.62	1.17	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	1155.53	1146.00	1169.23	1156.92	1.01	ppb
Zirconium	90-1	109.58	110.66	108.70	109.65	0.90	ppb
Zirconium	91-1	113.72	114.28	115.00	114.33	0.56	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:58:06	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4275.26	4233.05	4213.08	4240.46	0.75	ppb
Antimony	121-1	218.05	222.67	221.99	220.90	1.13	ppb
Arsenic	75-2	255.49	252.65	254.59	254.24	0.57	ppb
Barium	135-1	1249.99	1276.16	1261.37	1262.51	1.04	ppb
Barium	137-1	1242.28	1283.98	1268.07	1264.78	1.66	ppb
Beryllium	9-1	253.57	259.11	256.30	256.33	1.08	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	252.36	260.18	251.94	254.83	1.82	ppb
Cadmium	106-1	254.40	260.07	257.13	257.20	1.10	ppb
Cadmium	111-1	248.56	249.96	247.79	248.77	0.44	ppb
Calcium	43-1	21730.89	22123.82	22416.69	22090.47	1.56	ppb
Calcium	44-1	23725.47	24018.59	24023.21	23922.42	0.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	225.81	223.52	224.12	224.49	0.53	ppb
Cobalt	59-2	224.82	222.03	222.28	223.05	0.69	ppb
Copper	63-2	2564.74	2551.35	2541.73	2552.61	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				104		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	12238.22	12035.48	12091.91	12121.87	0.86	ppb
Iron	57-2	10981.81	10900.32	11018.30	10966.81	0.55	ppb
Iron	54-2	12222.04	12108.13	12271.22	12200.46	0.69	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:58:06	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1212.07	1253.68	1265.47	1243.74	2.26	ppb
Lead	207-1	1214.42	1259.71	1287.14	1253.76	2.93	ppb
Lead	208-1	1222.71	1255.65	1268.82	1249.06	1.90	ppb
Lithium	6-1				102		%
Magnesium	24-2	24312.64	24202.36	24951.33	24488.77	1.65	ppb
Manganese	55-2	2516.60	2503.16	2515.69	2511.82	0.30	ppb
Molybdenum	94-1	2415.42	2544.02	2456.87	2472.11	2.66	ppb
Molybdenum	95-1	2431.55	2533.65	2514.04	2493.08	2.17	ppb
Molybdenum	96-1	2450.40	2540.10	2479.62	2490.04	1.84	ppb
Molybdenum	97-1	2454.22	2497.72	2470.89	2474.27	0.89	ppb
Molybdenum	98-1	2465.02	2549.29	2480.58	2498.30	1.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	247.18	245.58	243.64	245.47	0.72	ppb
Phosphorus	31-2	5078.19	5014.79	5043.22	5045.40	0.63	ppb
Potassium	39-2	11746.23	11534.81	11553.11	11611.38	1.01	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	247.57	262.53	259.05	256.39	3.05	ppb
Selenium	77-2	260.85	249.52	259.35	256.57	2.40	ppb
Selenium	78-2	260.41	255.71	259.25	258.46	0.95	ppb
Silicon	28-1	264.61	266.36	271.44	267.47	1.33	ppb
Silver	107-1	251.84	257.58	259.26	256.22	1.52	ppb
Silver	109-1	252.60	250.68	253.88	252.39	0.64	ppb
Sodium	23-2	24392.88	24187.13	24611.11	24397.04	0.87	ppb
Strontium	86-1	216.38	227.97	224.51	222.95	2.67	ppb
Strontium	88-1	245.47	254.84	250.54	250.29	1.87	ppb
Sulfur	34-1	4941.44	5107.89	5046.90	5032.08	1.67	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	206.50	210.43	214.80	210.57	1.97	ppb
Thallium	205-1	239.84	250.06	252.10	247.33	2.66	ppb
Tin	118-1	218.95	219.92	220.81	219.89	0.42	ppb
Titanium	47-1	2530.06	2533.94	2525.35	2529.78	0.17	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:58:06	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	242.64	248.18	256.29	249.04	2.76	ppb
Vanadium	51-2	225.05	223.69	221.67	223.47	0.76	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	2540.18	2601.93	2603.04	2581.72	1.39	ppb
Zirconium	90-1	242.87	254.97	247.53	248.46	2.46	ppb
Zirconium	91-1	217.34	227.64	225.33	223.44	2.42	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:00:58	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9791.87	9467.08	9482.46	9580.47	1.91	ppb
Antimony	121-1	504.46	513.24	512.62	510.11	0.96	ppb
Arsenic	75-2	499.61	495.57	502.48	499.22	0.70	ppb
Barium	135-1	2493.16	2507.93	2532.64	2511.24	0.79	ppb
Barium	137-1	2442.64	2519.46	2505.03	2489.04	1.64	ppb
Beryllium	9-1	501.29	506.20	507.47	504.98	0.65	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	506.30	513.13	498.35	505.93	1.46	ppb
Cadmium	106-1	492.87	507.96	507.52	502.78	1.71	ppb
Cadmium	111-1	485.35	489.62	490.69	488.55	0.58	ppb
Calcium	43-1	42740.69	44508.45	43629.90	43626.35	2.03	ppb
Calcium	44-1	47403.76	48631.06	47859.58	47964.80	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	513.81	502.74	498.89	505.15	1.53	ppb
Cobalt	59-2	526.92	510.08	490.99	509.33	3.53	ppb
Copper	63-2	5047.35	5045.20	5193.80	5095.45	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				105		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	25100.69	23240.87	23624.40	23988.65	4.09	ppb
Iron	57-2	25200.40	24228.41	23798.20	24409.00	2.94	ppb
Iron	54-2	25169.55	24129.25	24607.02	24635.27	2.11	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:00:58	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2497.02	2608.69	2515.48	2540.40	2.36	ppb
Lead	207-1	2528.05	2577.97	2490.91	2532.31	1.73	ppb
Lead	208-1	2496.19	2587.91	2502.22	2528.77	2.03	ppb
Lithium	6-1				101		%
Magnesium	24-2	48268.01	47641.38	47878.87	47929.42	0.66	ppb
Manganese	55-2	5261.89	4884.20	4949.39	5031.83	4.01	ppb
Molybdenum	94-1	5038.27	5044.77	5005.02	5029.36	0.42	ppb
Molybdenum	95-1	5058.12	5067.24	5077.01	5067.46	0.19	ppb
Molybdenum	96-1	5153.29	5001.85	5061.65	5072.26	1.50	ppb
Molybdenum	97-1	5058.78	4984.10	5061.20	5034.69	0.87	ppb
Molybdenum	98-1	4962.83	5029.81	4945.88	4979.51	0.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	520.67	513.28	494.29	509.41	2.67	ppb
Phosphorus	31-2	10620.64	10105.54	9890.60	10205.59	3.68	ppb
Potassium	39-2	23634.73	23304.40	22730.72	23223.28	1.97	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	516.89	521.60	509.46	515.98	1.19	ppb
Selenium	77-2	519.26	505.36	498.70	507.77	2.07	ppb
Selenium	78-2	480.43	511.90	505.18	499.17	3.32	ppb
Silicon	28-1	504.27	529.06	517.48	516.94	2.40	ppb
Silver	107-1	506.01	500.90	503.74	503.55	0.51	ppb
Silver	109-1	502.70	512.23	500.43	505.12	1.24	ppb
Sodium	23-2	48393.07	48229.83	48363.49	48328.80	0.18	ppb
Strontium	86-1	449.18	453.81	447.57	450.19	0.72	ppb
Strontium	88-1	499.33	508.17	500.79	502.77	0.94	ppb
Sulfur	34-1	9516.98	9927.09	9448.02	9630.69	2.69	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	505.84	515.93	505.87	509.21	1.14	ppb
Thallium	205-1	494.82	517.29	507.31	506.48	2.22	ppb
Tin	118-1	495.35	509.28	513.36	506.00	1.87	ppb
Titanium	47-1	4910.82	5071.54	4942.23	4974.86	1.71	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:00:58	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	497.98	506.57	503.96	502.84	0.88	ppb
Vanadium	51-2	507.04	497.66	501.45	502.05	0.94	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	5004.16	5114.61	5265.44	5128.07	2.56	ppb
Zirconium	90-1	501.04	501.53	501.24	501.27	0.05	ppb
Zirconium	91-1	453.82	458.01	452.14	454.66	0.66	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:03:44	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19195.52	18553.99	18944.34	18897.95	1.71	ppb
Antimony	121-1	993.12	1004.79	1014.63	1004.18	1.07	ppb
Arsenic	75-2	985.80	1008.74	1002.69	999.08	1.19	ppb
Barium	135-1	4983.70	4945.24	5081.34	5003.43	1.40	ppb
Barium	137-1	5040.76	4935.69	5063.06	5013.17	1.36	ppb
Beryllium	9-1	971.81	997.47	1016.26	995.18	2.24	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	993.64	983.35	1007.57	994.85	1.22	ppb
Cadmium	106-1	989.41	996.68	1001.89	995.99	0.63	ppb
Cadmium	111-1	953.88	1088.43	974.89	1005.73	7.20	ppb
Calcium	43-1	95823.87	98580.34	100153.73	98185.98	2.23	ppb
Calcium	44-1	94825.87	97550.36	96521.37	96299.20	1.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1007.89	1012.94	995.87	1005.57	0.87	ppb
Cobalt	59-2	1011.50	992.73	1007.63	1003.95	0.99	ppb
Copper	63-2	9813.98	9959.92	10021.17	9931.69	1.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				108		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	47499.79	46726.22	46985.26	47070.42	0.84	ppb
Iron	57-2	46808.25	46950.70	47241.57	47000.17	0.47	ppb
Iron	54-2	48249.59	47787.53	48032.77	48023.30	0.48	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:03:44	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4929.61	4997.26	5026.87	4984.58	1.00	ppb
Lead	207-1	4948.26	4956.75	5050.64	4985.22	1.14	ppb
Lead	208-1	4926.90	4989.91	5045.93	4987.58	1.19	ppb
Lithium	6-1				100		%
Magnesium	24-2	93984.49	93361.77	96097.21	94481.16	1.52	ppb
Manganese	55-2	9929.57	9965.50	10045.00	9980.02	0.59	ppb
Molybdenum	94-1	9841.32	10021.34	10121.98	9994.88	1.42	ppb
Molybdenum	95-1	9787.83	9962.57	10153.39	9967.93	1.83	ppb
Molybdenum	96-1	9809.35	9921.58	10162.14	9964.36	1.81	ppb
Molybdenum	97-1	9929.40	9876.86	10165.39	9990.55	1.54	ppb
Molybdenum	98-1	9805.79	9985.48	10239.11	10010.13	2.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1000.69	989.76	999.09	996.51	0.59	ppb
Phosphorus	31-2	20087.52	19750.50	19824.44	19887.49	0.89	ppb
Potassium	39-2	45542.58	45656.12	45740.49	45646.39	0.22	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	976.14	988.53	1003.31	989.33	1.38	ppb
Selenium	77-2	986.25	1007.17	987.61	993.68	1.18	ppb
Selenium	78-2	979.65	1014.94	997.33	997.31	1.77	ppb
Silicon	28-1	971.08	986.10	997.47	984.89	1.34	ppb
Silver	107-1	1011.69	988.61	993.97	998.09	1.21	ppb
Silver	109-1	988.99	985.44	1021.43	998.62	1.99	ppb
Sodium	23-2	93738.28	93489.52	95169.41	94132.40	0.96	ppb
Strontium	86-1	1019.54	1031.74	1048.76	1033.35	1.42	ppb
Strontium	88-1	1000.45	994.89	1001.21	998.85	0.35	ppb
Sulfur	34-1	19943.76	20420.79	20161.51	20175.35	1.18	ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	992.62	1006.32	1025.11	1008.02	1.62	ppb
Thallium	205-1	985.42	1003.85	1012.26	1000.51	1.37	ppb
Tin	118-1	1014.46	1000.81	1004.07	1006.45	0.71	ppb
Titanium	47-1	9753.77	10242.10	10086.95	10027.61	2.49	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:03:44	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	989.45	1004.22	1004.47	999.38	0.86	ppb
Vanadium	51-2	996.92	1013.51	1011.45	1007.29	0.90	ppb
Yttrium	89-1				106		%
Yttrium	89-2				107		%
Zinc	66-2	10047.91	9893.78	9845.26	9928.98	1.07	ppb
Zirconium	90-1	984.41	1005.37	1016.23	1002.01	1.61	ppb
Zirconium	91-1	1028.25	1030.52	1033.97	1030.91	0.28	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:06:30	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100229.52	100097.09	100601.05	100309.22	0.26	ppb
Antimony	121-1	0.66	0.71	0.69	0.68	3.28	ppb
Arsenic	75-2	1.11	1.51	1.38	1.33	15.27	ppb
Barium	135-1	2.42	2.41	2.49	2.44	1.82	ppb
Barium	137-1	2.49	2.46	2.33	2.43	3.46	ppb
Beryllium	9-1	-0.03	-0.06	-0.09	-0.06		ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.00	0.81	1.00	0.94	11.55	ppb
Cadmium	106-1	1.40	-0.01	0.71	0.70	100.33	ppb
Cadmium	111-1	0.58	0.46	0.49	0.51	11.73	ppb
Calcium	43-1	500580.27	499293.86	503693.94	501189.36	0.45	ppb
Calcium	44-1	495396.46	497255.15	510387.77	501013.12	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.59	4.66	4.71	4.65	1.32	ppb
Cobalt	59-2	1.62	1.70	1.67	1.66	2.45	ppb
Copper	63-2	0.84	0.78	0.85	0.82	4.45	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				106		%
Holmium	165-2				109		%
Indium	115-1				103		%
Indium	115-2				108		%
Iron	56-2	249283.44	251041.42	251803.55	250709.47	0.52	ppb
Iron	57-2	249979.22	249677.51	252607.57	250754.77	0.64	ppb
Iron	54-2	250037.37	252931.91	248424.89	250464.72	0.91	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:06:30	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.14	1.14	1.11	1.13	1.35	ppb
Lead	207-1	1.14	1.11	1.10	1.12	1.80	ppb
Lead	208-1	1.14	1.15	1.13	1.14	0.71	ppb
Lithium	6-1				97		%
Magnesium	24-2	500009.68	498469.52	505550.24	501343.15	0.74	ppb
Manganese	55-2	4.40	4.45	4.45	4.43	0.66	ppb
Molybdenum	94-1	2.74	2.83	2.73	2.77	2.01	ppb
Molybdenum	95-1	1.52	1.57	1.52	1.53	1.94	ppb
Molybdenum	96-1	2.80	2.88	2.85	2.84	1.36	ppb
Molybdenum	97-1	1.73	1.54	1.54	1.60	6.70	ppb
Molybdenum	98-1	1.53	1.53	1.51	1.52	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.24	3.03	3.08	3.12	3.40	ppb
Phosphorus	31-2	-145.31	-154.18	-139.46	-146.32		ppb
Potassium	39-2	250723.80	250133.79	252459.63	251105.74	0.48	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				108		%
Selenium	82-1	2.17	0.90	1.67	1.58	40.38	ppb
Selenium	77-2	0.22	1.62	1.17	1.00	71.55	ppb
Selenium	78-2	0.06	-0.01	0.92	0.32	159.79	ppb
Silicon	28-1	8.69	1.74	8.61	6.35	62.87	ppb
Silver	107-1	0.12	0.10	0.10	0.11	12.75	ppb
Silver	109-1	0.11	0.10	0.09	0.10	12.22	ppb
Sodium	23-2	492907.47	505344.21	505890.01	501380.56	1.46	ppb
Strontium	86-1	12.27	12.71	12.87	12.62	2.43	ppb
Strontium	88-1	12.12	12.42	12.15	12.23	1.33	ppb
Sulfur	34-1	-1602.37	-1573.72	-1627.80	-1601.30		ppb
Terbium	159-1				106		%
Terbium	159-2				110		%
Thallium	203-1	0.79	0.81	0.79	0.80	1.54	ppb
Thallium	205-1	0.79	0.83	0.78	0.80	2.94	ppb
Tin	118-1	0.22	0.24	0.16	0.21	18.36	ppb
Titanium	47-1	0.56	0.65	0.53	0.58	11.45	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:06:30	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.03	0.03	7.54	ppb
Vanadium	51-2	0.34	0.35	0.35	0.35	0.64	ppb
Yttrium	89-1				107		%
Yttrium	89-2				111		%
Zinc	66-2	4.64	4.47	4.16	4.43	5.49	ppb
Zirconium	90-1	0.80	0.81	0.77	0.80	2.71	ppb
Zirconium	91-1	0.85	0.79	0.85	0.83	4.02	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:39:05	DataFile Name :	019ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1654.32	1638.73	1669.13	1654.06	0.92	ppb
Antimony	121-1	424.48	417.31	433.12	424.97	1.86	ppb
Arsenic	75-2	421.80	424.27	431.07	425.71	1.13	ppb
Barium	135-1	1704.48	1707.03	1744.16	1718.56	1.29	ppb
Barium	137-1	1684.61	1725.21	1734.04	1714.62	1.54	ppb
Beryllium	9-1	37.64	38.02	38.17	37.94	0.72	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	243.72	253.98	253.43	250.38	2.30	ppb
Cadmium	106-1	245.13	250.07	253.93	249.71	1.77	ppb
Cadmium	111-1	209.07	215.34	214.88	213.10	1.64	ppb
Calcium	43-1	3823.73	3891.62	3935.08	3883.48	1.45	ppb
Calcium	44-1	4239.58	4342.21	4213.99	4265.26	1.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	152.53	152.15	154.05	152.91	0.66	ppb
Cobalt	59-2	434.62	436.78	429.15	433.52	0.91	ppb
Copper	63-2	190.09	189.20	190.21	189.83	0.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	792.94	813.43	804.16	803.51	1.28	ppb
Iron	57-2	748.59	749.35	752.86	750.27	0.30	ppb
Iron	54-2	827.98	820.48	830.65	826.37	0.64	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:39:05	DataFile Name :	019ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	335.58	349.74	345.44	343.58	2.11	ppb
Lead	207-1	316.95	332.69	332.05	327.23	2.72	ppb
Lead	208-1	380.15	398.87	396.78	391.93	2.62	ppb
Lithium	6-1				93		%
Magnesium	24-2	3841.23	3773.98	3831.93	3815.71	0.95	ppb
Manganese	55-2	365.33	368.94	366.90	367.06	0.49	ppb
Molybdenum	94-1	5156.94	5449.30	5266.95	5291.06	2.79	ppb
Molybdenum	95-1	5138.10	5376.14	5250.22	5254.82	2.27	ppb
Molybdenum	96-1	5177.05	5441.01	5184.25	5267.44	2.85	ppb
Molybdenum	97-1	5175.30	5282.31	5251.96	5236.52	1.05	ppb
Molybdenum	98-1	5138.20	5335.72	5179.47	5217.80	2.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	435.97	438.11	438.03	437.37	0.28	ppb
Phosphorus	31-2	-152.98	-149.73	-149.46	-150.73		ppb
Potassium	39-2	3974.07	3938.02	3922.52	3944.87	0.67	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	427.39	443.08	430.86	433.78	1.90	ppb
Selenium	77-2	416.74	409.01	414.67	413.47	0.97	ppb
Selenium	78-2	430.26	436.04	433.60	433.30	0.67	ppb
Silicon	28-1	50.89	48.68	49.22	49.59	2.33	ppb
Silver	107-1	220.96	195.78	223.28	213.34	7.15	ppb
Silver	109-1	180.63	182.56	183.37	182.19	0.77	ppb
Sodium	23-2	3954.13	4032.41	4014.11	4000.22	1.02	ppb
Strontium	86-1	480.23	498.15	488.78	489.05	1.83	ppb
Strontium	88-1	539.25	557.22	549.76	548.74	1.65	ppb
Sulfur	34-1	-2042.79	-2231.81	-2319.78	-2198.13		ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	399.24	419.20	418.88	412.44	2.77	ppb
Thallium	205-1	395.17	422.45	407.00	408.20	3.35	ppb
Tin	118-1	556.27	560.13	562.98	559.79	0.60	ppb
Titanium	47-1	4918.40	4990.04	5035.14	4981.19	1.18	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:39:05	DataFile Name :	019ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	508.85	535.97	529.79	524.87	2.71	ppb
Vanadium	51-2	374.81	377.44	374.06	375.44	0.47	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	389.15	385.80	390.52	388.49	0.62	ppb
Zirconium	90-1	533.83	550.63	541.32	541.93	1.55	ppb
Zirconium	91-1	480.84	497.88	487.14	488.62	1.76	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:42:00	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.23	17.93	18.19	17.78	2.79	ppb
Antimony	121-1	2.01	2.11	2.06	2.06	2.43	ppb
Arsenic	75-2	1.25	0.99	1.05	1.10	12.62	ppb
Barium	135-1	9.16	9.52	9.13	9.27	2.35	ppb
Barium	137-1	9.30	9.75	9.62	9.56	2.43	ppb
Beryllium	9-1	1.12	1.15	1.32	1.20	9.23	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.91	1.16	1.08	1.05	11.83	ppb
Cadmium	106-1	1.20	-0.59	1.11	0.57	176.71	ppb
Cadmium	111-1	1.10	0.90	0.98	0.99	10.03	ppb
Calcium	43-1	451.79	447.13	461.04	453.32	1.56	ppb
Calcium	44-1	483.75	472.76	478.74	478.42	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.97	2.07	2.01	2.02	2.56	ppb
Cobalt	59-2	1.03	1.03	1.04	1.04	0.71	ppb
Copper	63-2	1.57	1.67	1.63	1.62	3.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	56-2	47.07	47.82	47.40	47.43	0.79	ppb
Iron	57-2	46.82	50.86	50.93	49.53	4.75	ppb
Iron	54-2	50.09	50.42	48.50	49.67	2.06	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:42:00	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.77	0.73	0.79	0.77	3.86	ppb
Lead	207-1	0.76	0.73	0.71	0.73	3.82	ppb
Lead	208-1	0.81	0.79	0.80	0.80	1.39	ppb
Lithium	6-1				90		%
Magnesium	24-2	435.62	441.44	433.24	436.77	0.97	ppb
Manganese	55-2	1.13	1.11	1.07	1.11	2.51	ppb
Molybdenum	94-1	5.68	5.98	5.74	5.80	2.74	ppb
Molybdenum	95-1	4.85	4.86	4.83	4.85	0.33	ppb
Molybdenum	96-1	4.98	4.89	4.97	4.95	0.93	ppb
Molybdenum	97-1	4.88	4.84	4.90	4.87	0.68	ppb
Molybdenum	98-1	4.98	4.79	4.68	4.82	3.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.11	0.99	1.05	1.05	5.48	ppb
Phosphorus	31-2	121.56	98.77	109.47	109.93	10.37	ppb
Potassium	39-2	447.26	454.73	448.22	450.07	0.90	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	5.90	5.83	6.00	5.91	1.46	ppb
Selenium	77-2	7.66	5.61	6.52	6.60	15.60	ppb
Selenium	78-2	5.12	4.06	3.88	4.35	15.36	ppb
Silicon	28-1	1.14	0.61	0.91	0.89	30.12	ppb
Silver	107-1	1.14	1.11	1.14	1.13	1.70	ppb
Silver	109-1	1.10	1.07	1.10	1.09	1.57	ppb
Sodium	23-2	444.61	448.05	440.81	444.49	0.81	ppb
Strontium	86-1	0.94	0.96	1.02	0.97	4.69	ppb
Strontium	88-1	0.92	0.95	0.92	0.93	1.78	ppb
Sulfur	34-1	-1957.01	-2071.64	-1961.22	-1996.63		ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	1.01	0.93	0.94	0.96	4.66	ppb
Thallium	205-1	0.94	0.95	0.94	0.94	0.87	ppb
Tin	118-1	4.80	4.74	4.90	4.82	1.70	ppb
Titanium	47-1	5.01	4.99	4.71	4.90	3.48	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:42:00	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.82	0.82	0.86	0.83	2.93	ppb
Vanadium	51-2	4.86	4.85	4.68	4.80	2.15	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	5.42	5.18	5.40	5.33	2.53	ppb
Zirconium	90-1	1.00	1.01	0.96	0.99	2.20	ppb
Zirconium	91-1	1.11	1.05	1.10	1.09	3.08	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:45:20	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.29	-0.13	0.06	-0.12		ppb
Antimony	121-1	0.02	0.02	0.03	0.02	24.01	ppb
Arsenic	75-2	-0.02	-0.02	0.02	-0.01		ppb
Barium	135-1	0.00	0.00	0.00	0.00		ppb
Barium	137-1	0.01	0.00	0.01	0.01	104.27	ppb
Beryllium	9-1	-0.01	0.00	-0.01	0.00		ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.04	-0.06	0.01	551.88	ppb
Cadmium	106-1	-1.03	0.38	-1.12	-0.59		ppb
Cadmium	111-1	-0.06	0.03	-0.07	-0.03		ppb
Calcium	43-1	-0.10	-0.79	-3.49	-1.46		ppb
Calcium	44-1	7.59	6.95	8.08	7.54	7.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	-0.01	0.03	0.01	170.98	ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	16.76	ppb
Copper	63-2	-0.42	-0.42	-0.44	-0.43		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	0.06	0.24	0.18	0.16	56.39	ppb
Iron	57-2	0.76	-0.14	0.73	0.45	113.28	ppb
Iron	54-2	-0.14	0.51	0.31	0.23	145.81	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:45:20	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.01	-0.01	0.00		ppb
Lead	207-1	0.01	0.03	-0.01	0.01	141.01	ppb
Lead	208-1	0.01	0.02	0.01	0.01	38.96	ppb
Lithium	6-1				91		%
Magnesium	24-2	-0.05	0.05	0.06	0.02	306.91	ppb
Manganese	55-2	-0.04	0.04	-0.02	-0.01		ppb
Molybdenum	94-1	0.03	0.06	0.06	0.05	26.42	ppb
Molybdenum	95-1	0.05	0.02	0.03	0.03	33.20	ppb
Molybdenum	96-1	0.05	0.05	0.06	0.05	4.02	ppb
Molybdenum	97-1	0.02	0.10	0.04	0.05	80.28	ppb
Molybdenum	98-1	0.04	0.04	0.04	0.04	11.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.04	0.01	0.02	74.60	ppb
Phosphorus	31-2	-149.08	-150.14	-158.16	-152.46		ppb
Potassium	39-2	2.22	4.06	3.00	3.09	29.95	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	0.31	0.86	-0.68	0.16	472.75	ppb
Selenium	77-2	0.24	-0.26	-0.26	-0.10		ppb
Selenium	78-2	-0.93	-0.49	-0.67	-0.70		ppb
Silicon	28-1	0.70	-0.07	-0.08	0.19	240.84	ppb
Silver	107-1	0.01	0.01	0.01	0.01	13.07	ppb
Silver	109-1	0.02	0.01	0.01	0.01	41.55	ppb
Sodium	23-2	8.05	8.35	10.07	8.82	12.33	ppb
Strontium	86-1	0.00	0.00	0.05	0.02	212.39	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	149.20	ppb
Sulfur	34-1	-2148.09	-2157.64	-2146.59	-2150.77		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	0.02	0.01	0.03	0.02	37.26	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	12.27	ppb
Tin	118-1	0.00	0.03	0.02	0.01	102.42	ppb
Titanium	47-1	0.03	0.05	0.03	0.04	35.38	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:45:20	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	15.40	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	24.94	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	0.09	-0.03	0.04	0.03	191.65	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	15.68	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	34.01	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:48:37	DataFile Name :	022ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89976.35	91243.21	88762.86	89994.14	1.38	ppb
Antimony	121-1	0.97	1.00	1.00	0.99	1.61	ppb
Arsenic	75-2	0.32	0.33	0.20	0.28	24.32	ppb
Barium	135-1	1.30	1.23	1.34	1.29	4.10	ppb
Barium	137-1	1.28	1.28	1.26	1.27	0.81	ppb
Beryllium	9-1	-0.21	-0.26	-0.17	-0.21		ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.62	9.18	9.13	8.98	3.44	ppb
Cadmium	106-1	1.07	-1.55	-2.35	-0.94		ppb
Cadmium	111-1	0.47	0.13	0.11	0.23	87.17	ppb
Calcium	43-1	96048.85	102081.99	95527.96	97886.26	3.72	ppb
Calcium	44-1	96915.46	98704.87	96917.54	97512.63	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.03	19.01	18.97	19.00	0.16	ppb
Cobalt	59-2	1.15	1.19	1.14	1.16	2.44	ppb
Copper	63-2	7.18	7.29	7.33	7.27	1.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				108		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	99236.85	97935.10	99334.87	98835.61	0.79	ppb
Iron	57-2	99092.75	99453.47	98880.63	99142.28	0.29	ppb
Iron	54-2	101342.82	99195.06	99812.01	100116.63	1.10	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:48:37	DataFile Name :	022ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.26	4.28	4.41	4.32	1.94	ppb
Lead	207-1	3.61	4.08	3.93	3.87	6.11	ppb
Lead	208-1	3.78	4.06	4.00	3.95	3.80	ppb
Lithium	6-1				91		%
Magnesium	24-2	89655.61	91494.75	90232.12	90460.83	1.04	ppb
Manganese	55-2	7.21	7.33	7.33	7.29	0.96	ppb
Molybdenum	94-1	1689.99	1627.40	1693.72	1670.37	2.23	ppb
Molybdenum	95-1	2095.16	2029.40	2090.37	2071.64	1.77	ppb
Molybdenum	96-1	2022.66	1997.82	2055.05	2025.18	1.42	ppb
Molybdenum	97-1	2077.29	2026.71	2046.82	2050.27	1.24	ppb
Molybdenum	98-1	2029.29	2027.28	2042.91	2033.16	0.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.24	4.27	4.12	4.21	1.84	ppb
Phosphorus	31-2	103557.67	102682.63	103101.83	103114.04	0.42	ppb
Potassium	39-2	97090.51	96155.60	95682.56	96309.56	0.74	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	82-1	0.46	1.14	0.34	0.65	66.76	ppb
Selenium	77-2	-0.02	0.23	-0.02	0.07	217.29	ppb
Selenium	78-2	-0.16	-0.99	-1.53	-0.90		ppb
Silicon	28-1	1.24	1.01	1.11	1.12	10.10	ppb
Silver	107-1	0.06	0.04	0.04	0.05	20.22	ppb
Silver	109-1	0.05	0.04	0.04	0.05	14.72	ppb
Sodium	23-2	100162.62	98632.74	97706.83	98834.07	1.25	ppb
Strontium	86-1	30.49	30.88	31.48	30.95	1.61	ppb
Strontium	88-1	30.47	29.83	30.84	30.38	1.68	ppb
Sulfur	34-1	122453.39	128280.49	121892.45	124208.78	2.85	ppb
Terbium	159-1				109		%
Terbium	159-2				109		%
Thallium	203-1	0.05	0.06	0.06	0.06	8.21	ppb
Thallium	205-1	0.06	0.06	0.07	0.06	6.09	ppb
Tin	118-1	0.79	1.19	1.35	1.11	25.96	ppb
Titanium	47-1	2103.64	2081.83	2064.99	2083.49	0.93	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:48:37	DataFile Name :	022ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.02	0.01	0.01	7.54	ppb
Vanadium	51-2	0.15	0.20	0.19	0.18	13.68	ppb
Yttrium	89-1				110		%
Yttrium	89-2				107		%
Zinc	66-2	10.86	11.20	11.36	11.14	2.29	ppb
Zirconium	90-1	0.02	0.03	0.02	0.02	24.02	ppb
Zirconium	91-1	0.05	0.02	0.02	0.03	58.93	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:55:36	DataFile Name :	024ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87435.28	88925.83	88547.63	88302.92	0.88	ppb
Antimony	121-1	17.72	19.33	18.56	18.54	4.36	ppb
Arsenic	75-2	21.28	20.77	21.66	21.24	2.10	ppb
Barium	135-1	19.03	20.00	19.69	19.58	2.53	ppb
Barium	137-1	19.13	20.04	19.48	19.55	2.33	ppb
Beryllium	9-1	21.64	20.79	22.04	21.49	2.98	ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.33	30.01	27.69	28.01	6.65	ppb
Cadmium	106-1	16.29	18.29	17.27	17.28	5.79	ppb
Cadmium	111-1	20.14	21.21	20.76	20.70	2.61	ppb
Calcium	43-1	95826.16	99024.64	95648.45	96833.09	1.96	ppb
Calcium	44-1	95109.04	97753.62	97070.22	96644.29	1.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	43.11	42.94	42.78	42.94	0.39	ppb
Cobalt	59-2	20.27	20.28	20.08	20.21	0.56	ppb
Copper	63-2	25.98	26.08	25.89	25.98	0.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				110		%
Indium	115-1				111		%
Indium	115-2				107		%
Iron	56-2	100742.09	99206.20	97849.67	99265.99	1.46	ppb
Iron	57-2	98766.83	99024.23	98151.10	98647.39	0.45	ppb
Iron	54-2	100077.94	97814.28	97813.08	98568.43	1.33	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:55:36	DataFile Name :	024ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.25	25.03	24.58	24.95	1.37	ppb
Lead	207-1	23.32	23.34	22.73	23.13	1.49	ppb
Lead	208-1	24.47	24.85	24.66	24.66	0.78	ppb
Lithium	6-1				93		%
Magnesium	24-2	91243.40	90403.00	89135.15	90260.52	1.18	ppb
Manganese	55-2	25.43	25.51	25.73	25.56	0.60	ppb
Molybdenum	94-1	1704.49	1702.00	1705.65	1704.05	0.11	ppb
Molybdenum	95-1	2085.12	2075.94	2114.51	2091.85	0.96	ppb
Molybdenum	96-1	2092.92	2046.49	2050.52	2063.31	1.25	ppb
Molybdenum	97-1	2120.37	2040.48	2058.46	2073.11	2.02	ppb
Molybdenum	98-1	2046.76	2014.31	2043.95	2035.00	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.51	27.73	27.38	27.54	0.65	ppb
Phosphorus	31-2	102127.65	101706.24	100843.18	101559.02	0.64	ppb
Potassium	39-2	94948.01	94597.01	93897.96	94480.99	0.57	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				103		%
Selenium	82-1	20.14	20.39	20.26	20.26	0.63	ppb
Selenium	77-2	21.81	20.68	16.80	19.76	13.31	ppb
Selenium	78-2	19.80	22.40	19.42	20.54	7.91	ppb
Silicon	28-1	0.18	-0.15	0.38	0.14	194.79	ppb
Silver	107-1	17.74	19.04	18.41	18.40	3.55	ppb
Silver	109-1	17.47	18.85	18.52	18.28	3.94	ppb
Sodium	23-2	96754.31	98581.20	96875.97	97403.83	1.05	ppb
Strontium	86-1	31.47	32.55	32.37	32.13	1.81	ppb
Strontium	88-1	30.93	30.82	30.86	30.87	0.19	ppb
Sulfur	34-1	121940.32	122822.52	122425.35	122396.06	0.36	ppb
Terbium	159-1				111		%
Terbium	159-2				111		%
Thallium	203-1	17.73	17.46	17.96	17.71	1.41	ppb
Thallium	205-1	17.43	18.25	18.13	17.94	2.48	ppb
Tin	118-1	0.56	0.72	0.71	0.66	13.88	ppb
Titanium	47-1	2118.58	2064.17	2047.02	2076.59	1.80	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:55:36	DataFile Name :	024ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.03	0.03	12.88	ppb
Vanadium	51-2	18.91	19.08	18.23	18.74	2.40	ppb
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	30.58	31.18	30.22	30.66	1.60	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	32.81	ppb
Zirconium	91-1	0.04	0.03	0.03	0.03	16.68	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:58:42	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49010.98	47253.38	48437.68	48234.01	1.86	ppb
Antimony	121-1	500.64	515.95	522.05	512.88	2.15	ppb
Arsenic	75-2	494.27	486.70	495.71	492.23	0.98	ppb
Barium	135-1	2582.28	2580.87	2575.65	2579.60	0.14	ppb
Barium	137-1	2547.78	2546.44	2590.07	2561.43	0.97	ppb
Beryllium	9-1	521.21	532.46	526.90	526.86	1.07	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	529.86	540.59	538.74	536.39	1.07	ppb
Cadmium	106-1	526.73	532.69	540.97	533.46	1.34	ppb
Cadmium	111-1	510.86	515.17	521.97	516.00	1.09	ppb
Calcium	43-1	251593.05	247188.42	250359.13	249713.54	0.91	ppb
Calcium	44-1	252126.19	248441.88	251856.30	250808.12	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	535.21	510.73	508.65	518.20	2.85	ppb
Cobalt	59-2	522.47	519.44	512.09	518.00	1.03	ppb
Copper	63-2	5593.41	5470.70	5410.81	5491.64	1.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				112		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	127523.37	126774.34	126906.86	127068.19	0.31	ppb
Iron	57-2	130000.97	128384.53	125298.73	127894.75	1.87	ppb
Iron	54-2	129847.83	126322.17	126519.99	127563.33	1.55	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:58:42	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2602.91	2628.75	2610.10	2613.92	0.51	ppb
Lead	207-1	2502.32	2566.05	2590.86	2553.08	1.79	ppb
Lead	208-1	2547.55	2582.01	2584.69	2571.42	0.81	ppb
Lithium	6-1				93		%
Magnesium	24-2	251433.40	248107.12	247611.78	249050.77	0.83	ppb
Manganese	55-2	5107.09	5138.01	5008.95	5084.68	1.33	ppb
Molybdenum	94-1	5058.84	5185.64	5095.99	5113.49	1.27	ppb
Molybdenum	95-1	5037.13	5212.54	5029.68	5093.11	2.03	ppb
Molybdenum	96-1	5172.14	5123.80	5062.24	5119.39	1.08	ppb
Molybdenum	97-1	5065.48	5136.20	5124.15	5108.61	0.74	ppb
Molybdenum	98-1	5045.47	5205.34	5048.82	5099.88	1.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	513.92	507.72	506.21	509.28	0.80	ppb
Phosphorus	31-2	10018.25	9950.62	9913.69	9960.86	0.53	ppb
Potassium	39-2	121237.35	121296.90	122036.87	121523.71	0.37	ppb
Rhodium	103-1				108		%
Rhodium	103-2				105		%
Scandium	45-1				112		%
Scandium	45-2				107		%
Selenium	82-1	487.97	492.56	493.33	491.29	0.59	ppb
Selenium	77-2	461.33	473.66	476.26	470.42	1.69	ppb
Selenium	78-2	495.74	474.94	490.26	486.98	2.21	ppb
Silicon	28-1	426.78	424.67	417.59	423.01	1.14	ppb
Silver	107-1	542.87	545.17	561.36	549.80	1.83	ppb
Silver	109-1	543.14	542.33	546.44	543.97	0.40	ppb
Sodium	23-2	249580.55	246830.01	245231.93	247214.16	0.89	ppb
Strontium	86-1	455.87	461.91	462.19	459.99	0.78	ppb
Strontium	88-1	506.50	517.79	514.60	512.97	1.13	ppb
Sulfur	34-1	8180.28	8006.29	7753.04	7979.87	2.69	ppb
Terbium	159-1				114		%
Terbium	159-2				112		%
Thallium	203-1	512.72	533.79	537.20	527.90	2.51	ppb
Thallium	205-1	509.92	525.83	531.23	522.33	2.12	ppb
Tin	118-1	499.18	519.79	515.19	511.39	2.12	ppb
Titanium	47-1	5003.03	4989.47	5050.31	5014.27	0.64	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:58:42	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	503.93	511.91	508.70	508.18	0.79	ppb
Vanadium	51-2	533.60	521.58	510.19	521.79	2.24	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-2	5515.74	5530.01	5445.25	5497.00	0.83	ppb
Zirconium	90-1	504.49	508.03	510.71	507.74	0.61	ppb
Zirconium	91-1	453.98	464.21	460.44	459.54	1.13	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:09:16	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.37	-0.05	-0.01	0.10	225.25	ppb
Antimony	121-1	0.03	0.04	0.04	0.04	7.63	ppb
Arsenic	75-2	-0.01	0.03	0.00	0.01	348.30	ppb
Barium	135-1	0.00	0.01	0.00	0.00	100.45	ppb
Barium	137-1	0.02	0.01	0.01	0.01	49.56	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.17	-0.03	0.07	136.13	ppb
Cadmium	106-1	-2.70	-1.67	-2.88	-2.42		ppb
Cadmium	111-1	-0.18	-0.11	-0.19	-0.16		ppb
Calcium	43-1	-3.15	-1.09	-1.96	-2.07		ppb
Calcium	44-1	24.89	28.45	24.37	25.90	8.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	-0.01	0.04	0.03	113.24	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	87.77	ppb
Copper	63-2	-0.33	-0.36	-0.35	-0.35		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				106		%
Holmium	165-2				106		%
Indium	115-1				110		%
Indium	115-2				107		%
Iron	56-2	0.70	0.76	0.85	0.77	9.75	ppb
Iron	57-2	0.34	-0.27	1.14	0.41	174.01	ppb
Iron	54-2	2.18	1.47	-0.21	1.15	106.81	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:09:16	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.03	0.05	0.04	18.68	ppb
Lead	207-1	0.02	0.05	0.04	0.04	49.38	ppb
Lead	208-1	0.05	0.05	0.05	0.05	6.77	ppb
Lithium	6-1				88		%
Magnesium	24-2	0.52	0.73	0.75	0.67	19.08	ppb
Manganese	55-2	0.08	0.01	0.08	0.06	67.46	ppb
Molybdenum	94-1	0.03	0.02	0.03	0.03	13.43	ppb
Molybdenum	95-1	0.03	0.04	0.00	0.03	73.78	ppb
Molybdenum	96-1	0.03	0.03	0.05	0.04	33.34	ppb
Molybdenum	97-1	0.06	0.04	0.04	0.04	32.69	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.02	38.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.04	0.01	0.01	232.27	ppb
Phosphorus	31-2	-164.00	-155.62	-162.21	-160.61		ppb
Potassium	39-2	5.30	11.82	11.88	9.67	39.13	ppb
Rhodium	103-1				109		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	82-1	0.75	-0.46	0.65	0.31	216.10	ppb
Selenium	77-2	-0.02	-0.26	-0.26	-0.18		ppb
Selenium	78-2	-0.87	-0.54	-0.41	-0.61		ppb
Silicon	28-1	-0.58	-0.21	-0.46	-0.42		ppb
Silver	107-1	0.01	0.00	0.01	0.01	41.21	ppb
Silver	109-1	0.01	0.01	0.01	0.01	20.31	ppb
Sodium	23-2	27.03	26.63	26.69	26.79	0.81	ppb
Strontium	86-1	0.00	0.04	0.00	0.01	175.48	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	469.41	ppb
Sulfur	34-1	-2086.62	-1652.62	-1852.28	-1863.84		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.07	0.08	0.08	0.08	6.52	ppb
Thallium	205-1	0.09	0.09	0.09	0.09	2.86	ppb
Tin	118-1	-0.01	-0.01	-0.01	-0.01		ppb
Titanium	47-1	0.01	-0.01	-0.02	-0.01		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:09:16	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	1.07	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	617.85	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	0.32	0.16	0.18	0.22	42.17	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	16.42	ppb
Zirconium	91-1	0.03	0.04	0.02	0.03	35.04	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:12:32	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.71	18.41	17.84	18.32	2.41	ppb
Antimony	121-1	1.90	2.00	1.95	1.95	2.52	ppb
Arsenic	75-2	1.16	1.15	0.86	1.06	16.09	ppb
Barium	135-1	9.43	9.29	9.22	9.31	1.14	ppb
Barium	137-1	9.27	9.50	9.18	9.32	1.77	ppb
Beryllium	9-1	1.14	1.15	1.31	1.20	8.03	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.09	1.11	1.03	1.08	4.11	ppb
Cadmium	106-1	0.62	1.28	-0.25	0.55	139.94	ppb
Cadmium	111-1	1.03	1.08	0.95	1.02	6.53	ppb
Calcium	43-1	474.98	455.35	447.83	459.39	3.05	ppb
Calcium	44-1	489.68	486.99	479.14	485.27	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.98	2.00	2.07	2.02	2.18	ppb
Cobalt	59-2	1.01	1.03	1.02	1.02	0.89	ppb
Copper	63-2	1.66	1.70	1.59	1.65	3.33	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				107		%
Holmium	165-2				105		%
Indium	115-1				109		%
Indium	115-2				109		%
Iron	56-2	47.59	48.08	47.82	47.83	0.51	ppb
Iron	57-2	47.24	53.00	52.08	50.77	6.10	ppb
Iron	54-2	47.82	50.32	51.55	49.90	3.80	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:12:32	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.81	0.81	0.80	0.81	0.51	ppb
Lead	207-1	0.81	0.78	0.85	0.81	3.83	ppb
Lead	208-1	0.83	0.84	0.86	0.84	1.61	ppb
Lithium	6-1				90		%
Magnesium	24-2	419.94	427.79	424.33	424.02	0.93	ppb
Manganese	55-2	1.05	1.00	1.11	1.05	5.49	ppb
Molybdenum	94-1	5.76	5.80	5.57	5.71	2.14	ppb
Molybdenum	95-1	4.67	4.65	4.68	4.67	0.28	ppb
Molybdenum	96-1	4.93	4.74	4.79	4.82	2.12	ppb
Molybdenum	97-1	4.77	4.80	4.72	4.76	0.82	ppb
Molybdenum	98-1	4.66	4.75	4.73	4.71	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.06	1.11	1.10	1.09	2.46	ppb
Phosphorus	31-2	86.61	89.56	91.70	89.29	2.86	ppb
Potassium	39-2	449.08	465.56	451.93	455.52	1.93	ppb
Rhodium	103-1				110		%
Rhodium	103-2				108		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	6.62	5.47	5.15	5.75	13.48	ppb
Selenium	77-2	5.08	7.22	6.73	6.34	17.65	ppb
Selenium	78-2	5.64	4.85	4.10	4.86	15.82	ppb
Silicon	28-1	-0.19	-0.41	-0.49	-0.36		ppb
Silver	107-1	1.10	1.05	1.10	1.08	2.58	ppb
Silver	109-1	1.08	1.10	1.04	1.07	2.82	ppb
Sodium	23-2	447.64	452.04	445.20	448.29	0.77	ppb
Strontium	86-1	0.91	0.97	0.93	0.93	3.30	ppb
Strontium	88-1	0.92	0.95	0.94	0.93	1.79	ppb
Sulfur	34-1	-1432.16	-1491.34	-1663.99	-1529.16		ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	1.03	1.00	1.05	1.02	2.45	ppb
Thallium	205-1	1.01	1.05	1.03	1.03	1.89	ppb
Tin	118-1	4.78	4.98	4.83	4.86	2.18	ppb
Titanium	47-1	4.65	4.46	4.49	4.53	2.21	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:12:32	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.83	0.84	0.83	0.83	0.92	ppb
Vanadium	51-2	4.72	4.84	4.76	4.78	1.28	ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	5.22	5.48	5.33	5.34	2.48	ppb
Zirconium	90-1	0.95	0.96	0.97	0.96	0.95	ppb
Zirconium	91-1	1.07	1.13	0.94	1.05	9.08	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BL	Instrumnet Name :	P7
Client Sample ID :	PB168937BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:15:53	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.10	-0.18	-0.28	-0.19		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	5.65	ppb
Arsenic	75-2	0.00	-0.03	0.00	-0.01		ppb
Barium	135-1	0.00	-0.01	-0.01	-0.01		ppb
Barium	137-1	0.00	0.00	0.01	0.00	99.40	ppb
Beryllium	9-1	-0.01	-0.01	-0.01	-0.01		ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.07	0.07	0.07	1.72	ppb
Cadmium	106-1	-0.92	-0.59	-0.67	-0.73		ppb
Cadmium	111-1	-0.06	-0.04	-0.04	-0.05		ppb
Calcium	43-1	-3.69	-5.34	-3.99	-4.34		ppb
Calcium	44-1	19.54	18.32	17.89	18.58	4.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	-0.01	-0.04	-0.01		ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	-0.40	-0.41	-0.43	-0.41		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	0.38	0.33	0.30	0.34	11.69	ppb
Iron	57-2	-0.84	0.87	-1.44	-0.47		ppb
Iron	54-2	0.50	0.25	0.60	0.45	40.06	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BL	Instrumnet Name :	P7
Client Sample ID :	PB168937BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:15:53	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.01	0.02	0.02	32.15	ppb
Lead	207-1	0.01	0.02	0.01	0.01	59.75	ppb
Lead	208-1	0.02	0.03	0.03	0.02	14.56	ppb
Lithium	6-1				91		%
Magnesium	24-2	-0.14	0.09	-0.05	-0.03		ppb
Manganese	55-2	-0.66	-0.61	-0.62	-0.63		ppb
Molybdenum	94-1	-0.01	0.03	0.00	0.01	261.38	ppb
Molybdenum	95-1	0.01	0.00	0.02	0.01	134.20	ppb
Molybdenum	96-1	0.01	0.01	0.01	0.01	24.99	ppb
Molybdenum	97-1	0.01	0.01	0.05	0.03	75.14	ppb
Molybdenum	98-1	-0.01	0.00	0.02	0.00	399.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.03	0.02	-0.01		ppb
Phosphorus	31-2	-160.30	-166.09	-164.56	-163.65		ppb
Potassium	39-2	7.12	5.62	6.60	6.45	11.81	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	0.64	0.64	-0.28	0.33	159.58	ppb
Selenium	77-2	-0.26	-0.26	-0.02	-0.18		ppb
Selenium	78-2	-1.23	-1.49	0.70	-0.67		ppb
Silicon	28-1	-0.67	-1.01	-0.78	-0.82		ppb
Silver	107-1	0.01	0.01	0.01	0.01	13.79	ppb
Silver	109-1	0.01	0.01	0.01	0.01	12.05	ppb
Sodium	23-2	19.60	20.00	20.16	19.92	1.46	ppb
Strontium	86-1	-0.02	-0.04	-0.02	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1688.22	-1814.24	-1702.62	-1735.03		ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	0.07	0.09	0.09	0.08	9.54	ppb
Thallium	205-1	0.09	0.07	0.08	0.08	9.22	ppb
Tin	118-1	-0.06	-0.08	-0.06	-0.07		ppb
Titanium	47-1	-0.03	0.00	0.01	-0.01		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BL	Instrumnet Name :	P7
Client Sample ID :	PB168937BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:15:53	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	97.56	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	-0.15	-0.12	0.00	-0.09		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	29.56	ppb
Zirconium	91-1	0.01	0.01	-0.01	0.00	248.15	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BS	Instrumnet Name :	P7
Client Sample ID :	PB168937BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:19:10	DataFile Name :	029LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9928.51	9086.06	9476.80	9497.12	4.44	ppb
Antimony	121-1	511.01	517.45	504.14	510.87	1.30	ppb
Arsenic	75-2	506.55	484.68	498.12	496.45	2.22	ppb
Barium	135-1	2519.19	2598.95	2547.07	2555.07	1.58	ppb
Barium	137-1	2481.80	2571.82	2522.08	2525.23	1.79	ppb
Beryllium	9-1	496.93	505.89	511.39	504.74	1.45	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	500.72	524.47	508.40	511.20	2.37	ppb
Cadmium	106-1	503.03	521.40	513.61	512.68	1.80	ppb
Cadmium	111-1	488.37	502.23	494.96	495.19	1.40	ppb
Calcium	43-1	43148.21	43702.08	43557.87	43469.39	0.66	ppb
Calcium	44-1	48014.42	48078.46	47741.57	47944.82	0.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.99	506.56	519.16	515.57	1.52	ppb
Cobalt	59-2	523.28	491.83	503.81	506.31	3.14	ppb
Copper	63-2	5156.86	5242.00	5144.15	5181.00	1.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	24937.13	23232.57	23947.18	24038.96	3.56	ppb
Iron	57-2	25422.67	23542.94	23575.83	24180.48	4.45	ppb
Iron	54-2	25269.56	24104.22	24518.32	24630.70	2.40	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BS	Instrumnet Name :	P7
Client Sample ID :	PB168937BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:19:10	DataFile Name :	029LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2467.21	2528.10	2569.28	2521.53	2.04	ppb
Lead	207-1	2465.56	2511.18	2509.25	2495.33	1.03	ppb
Lead	208-1	2454.18	2511.96	2523.48	2496.54	1.49	ppb
Lithium	6-1				95		%
Magnesium	24-2	48758.75	46323.86	46914.40	47332.34	2.68	ppb
Manganese	55-2	5108.49	4987.30	5075.09	5056.96	1.24	ppb
Molybdenum	94-1	4997.13	4897.97	4929.32	4941.48	1.03	ppb
Molybdenum	95-1	5006.00	4964.47	4882.25	4950.91	1.27	ppb
Molybdenum	96-1	4926.37	4937.31	4974.76	4946.15	0.51	ppb
Molybdenum	97-1	4874.50	4944.79	4911.55	4910.28	0.72	ppb
Molybdenum	98-1	4873.41	4886.09	4933.01	4897.50	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	516.30	499.44	500.91	505.55	1.85	ppb
Phosphorus	31-2	10069.14	9596.71	9615.77	9760.54	2.74	ppb
Potassium	39-2	23043.47	22621.62	22361.55	22675.55	1.52	ppb
Rhodium	103-1				110		%
Rhodium	103-2				107		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	499.00	504.04	504.72	502.59	0.62	ppb
Selenium	77-2	517.84	476.24	498.54	497.54	4.18	ppb
Selenium	78-2	514.01	499.44	506.90	506.78	1.44	ppb
Silicon	28-1	498.92	504.73	495.56	499.74	0.93	ppb
Silver	107-1	514.27	533.33	518.28	521.96	1.92	ppb
Silver	109-1	510.05	516.06	509.73	511.95	0.70	ppb
Sodium	23-2	49384.57	46526.70	48153.04	48021.44	2.99	ppb
Strontium	86-1	439.16	441.95	442.63	441.25	0.42	ppb
Strontium	88-1	492.50	496.91	498.35	495.92	0.62	ppb
Sulfur	34-1	8585.89	8638.53	8414.36	8546.26	1.37	ppb
Terbium	159-1				109		%
Terbium	159-2				110		%
Thallium	203-1	504.01	506.50	514.63	508.38	1.09	ppb
Thallium	205-1	501.01	492.53	515.70	503.08	2.33	ppb
Tin	118-1	522.86	521.02	511.66	518.51	1.16	ppb
Titanium	47-1	4908.53	4870.51	4998.06	4925.70	1.33	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BS	Instrumnet Name :	P7
Client Sample ID :	PB168937BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:19:10	DataFile Name :	029LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	458.31	484.21	490.99	477.84	3.61	ppb
Vanadium	51-2	516.78	501.61	513.65	510.68	1.57	ppb
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	5368.25	5213.19	5268.01	5283.15	1.49	ppb
Zirconium	90-1	494.71	495.48	497.56	495.91	0.30	ppb
Zirconium	91-1	443.79	442.11	440.33	442.07	0.39	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:21:55	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12380.34	12441.13	12114.53	12312.00	1.41	ppb
Antimony	121-1	3.06	2.54	2.40	2.67	12.96	ppb
Arsenic	75-2	12.63	12.54	12.77	12.65	0.91	ppb
Barium	135-1	23.81	23.74	23.77	23.77	0.15	ppb
Barium	137-1	23.78	24.41	24.10	24.09	1.31	ppb
Beryllium	9-1	-1.53	-1.66	-1.85	-1.68		ppb
Bismuth	209-1				127		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.57	1.69	1.61	1.63	3.82	ppb
Cadmium	106-1	1.58	-0.46	-0.23	0.29	378.76	ppb
Cadmium	111-1	1.89	1.79	1.57	1.75	9.38	ppb
Calcium	43-1	48239.46	50212.99	49919.86	49457.44	2.15	ppb
Calcium	44-1	54201.89	55819.98	55578.27	55200.05	1.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.92	10.06	10.26	10.08	1.72	ppb
Cobalt	59-2	28.35	28.67	29.02	28.68	1.16	ppb
Copper	63-2	75.46	77.55	75.75	76.26	1.48	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				114		%
Holmium	165-2				108		%
Indium	115-1				130		%
Indium	115-2				119		%
Iron	56-2	4703.30	4726.23	4655.91	4695.15	0.76	ppb
Iron	57-2	4453.36	4524.62	4432.24	4470.07	1.08	ppb
Iron	54-2	4257.07	4308.33	4295.75	4287.05	0.62	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:21:55	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.16	15.73	15.78	15.56	2.24	ppb
Lead	207-1	14.01	14.30	14.84	14.39	2.93	ppb
Lead	208-1	14.24	14.78	14.99	14.67	2.62	ppb
Lithium	6-1				90		%
Magnesium	24-2	8092.40	8373.92	8199.71	8222.01	1.73	ppb
Manganese	55-2	2607.84	2663.01	2609.51	2626.79	1.19	ppb
Molybdenum	94-1	1.02	0.83	0.95	0.93	10.28	ppb
Molybdenum	95-1	0.30	0.26	0.27	0.27	7.64	ppb
Molybdenum	96-1	0.40	0.35	0.32	0.36	11.31	ppb
Molybdenum	97-1	0.33	0.27	0.31	0.30	9.10	ppb
Molybdenum	98-1	0.29	0.27	0.25	0.27	7.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	29.76	30.48	30.24	30.16	1.22	ppb
Phosphorus	31-2	2013.54	2072.50	2022.98	2036.34	1.56	ppb
Potassium	39-2	8550.73	8755.34	8445.81	8583.96	1.83	ppb
Rhodium	103-1				110		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				93		%
Selenium	82-1	1.99	1.64	0.95	1.53	34.43	ppb
Selenium	77-2	8.66	11.42	10.92	10.34	14.23	ppb
Selenium	78-2	0.17	-0.08	1.17	0.42	155.72	ppb
Silicon	28-1	395.26	412.21	409.82	405.76	2.26	ppb
Silver	107-1	0.69	0.76	0.69	0.71	5.42	ppb
Silver	109-1	0.68	0.70	0.66	0.68	2.82	ppb
Sodium	23-2	2556.43	2577.42	2595.76	2576.54	0.76	ppb
Strontium	86-1	149.11	144.32	147.00	146.81	1.64	ppb
Strontium	88-1	167.63	163.16	166.55	165.78	1.41	ppb
Sulfur	34-1	101968.98	102764.23	103978.90	102904.04	0.98	ppb
Terbium	159-1				114		%
Terbium	159-2				111		%
Thallium	203-1	0.60	0.63	0.73	0.65	9.97	ppb
Thallium	205-1	0.59	0.63	0.70	0.64	8.96	ppb
Tin	118-1	18.05	17.51	16.55	17.37	4.38	ppb
Titanium	47-1	5.11	5.25	5.24	5.20	1.47	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:21:55	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.17	1.19	1.24	1.20	2.92	ppb
Vanadium	51-2	24.84	25.93	24.88	25.22	2.46	ppb
Yttrium	89-1				125		%
Yttrium	89-2				111		%
Zinc	66-2	351.44	355.87	359.63	355.65	1.15	ppb
Zirconium	90-1	0.36	0.38	0.38	0.38	3.11	ppb
Zirconium	91-1	0.42	0.42	0.44	0.43	3.57	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:25:03	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23285.05	23604.36	23699.19	23529.53	0.92	ppb
Antimony	121-1	1.86	2.02	1.94	1.94	3.97	ppb
Arsenic	75-2	17.33	17.39	17.86	17.53	1.65	ppb
Barium	135-1	35.82	36.13	36.09	36.01	0.47	ppb
Barium	137-1	36.40	36.47	36.61	36.49	0.30	ppb
Beryllium	9-1	0.00	-0.26	-0.36	-0.21		ppb
Bismuth	209-1				124		%
Bismuth	209-2				115		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.65	2.30	2.35	2.43	7.89	ppb
Cadmium	106-1	3.55	1.89	2.58	2.68	31.17	ppb
Cadmium	111-1	2.44	2.32	2.29	2.35	3.34	ppb
Calcium	43-1	42395.29	42586.67	43245.73	42742.57	1.04	ppb
Calcium	44-1	47889.04	46611.84	48194.82	47565.23	1.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.17	21.15	21.03	21.12	0.35	ppb
Cobalt	59-2	56.19	56.22	56.32	56.24	0.12	ppb
Copper	63-2	157.14	157.50	156.78	157.14	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				118		%
Holmium	165-2				108		%
Indium	115-1				127		%
Indium	115-2				115		%
Iron	56-2	8911.12	8991.55	8926.05	8942.91	0.48	ppb
Iron	57-2	8314.02	8299.27	8235.45	8282.91	0.50	ppb
Iron	54-2	9068.44	9036.95	8977.02	9027.47	0.51	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:25:03	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	26.52	27.35	28.85	27.57	4.29	ppb
Lead	207-1	24.57	24.97	26.12	25.22	3.20	ppb
Lead	208-1	25.00	25.68	26.57	25.75	3.06	ppb
Lithium	6-1				83		%
Magnesium	24-2	8184.00	8487.20	8519.28	8396.83	2.20	ppb
Manganese	55-2	4042.39	3976.51	3973.34	3997.41	0.98	ppb
Molybdenum	94-1	0.94	0.97	1.06	0.99	6.20	ppb
Molybdenum	95-1	0.35	0.34	0.38	0.36	6.66	ppb
Molybdenum	96-1	0.43	0.40	0.43	0.42	4.18	ppb
Molybdenum	97-1	0.36	0.30	0.36	0.34	9.40	ppb
Molybdenum	98-1	0.26	0.33	0.32	0.31	11.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.89	56.62	56.65	56.39	0.76	ppb
Phosphorus	31-2	2281.80	2316.35	2253.87	2284.01	1.37	ppb
Potassium	39-2	11498.19	11463.86	11725.18	11562.41	1.23	ppb
Rhodium	103-1				113		%
Rhodium	103-2				108		%
Scandium	45-1				103		%
Scandium	45-2				93		%
Selenium	82-1	2.51	2.41	2.22	2.38	6.18	ppb
Selenium	77-2	27.04	25.97	24.77	25.93	4.38	ppb
Selenium	78-2	2.27	3.18	4.12	3.19	29.01	ppb
Silicon	28-1	873.73	872.72	882.90	876.45	0.64	ppb
Silver	107-1	0.46	0.50	0.52	0.49	5.73	ppb
Silver	109-1	0.36	0.43	0.43	0.41	9.59	ppb
Sodium	23-2	2917.27	2860.61	2866.26	2881.38	1.08	ppb
Strontium	86-1	127.87	125.07	127.44	126.79	1.19	ppb
Strontium	88-1	141.79	144.26	142.25	142.77	0.92	ppb
Sulfur	34-1	116770.20	120104.57	118933.91	118602.89	1.43	ppb
Terbium	159-1				117		%
Terbium	159-2				109		%
Thallium	203-1	0.33	0.40	0.40	0.38	10.09	ppb
Thallium	205-1	0.33	0.38	0.39	0.36	8.79	ppb
Tin	118-1	9.82	10.46	10.73	10.34	4.51	ppb
Titanium	47-1	163.85	163.72	164.05	163.87	0.10	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:25:03	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.69	4.82	4.88	4.80	2.00	ppb
Vanadium	51-2	39.61	40.37	39.86	39.95	0.97	ppb
Yttrium	89-1				138		%
Yttrium	89-2				127		%
Zinc	66-2	391.42	394.44	396.05	393.97	0.60	ppb
Zirconium	90-1	0.39	0.41	0.39	0.39	2.46	ppb
Zirconium	91-1	0.43	0.44	0.41	0.43	2.76	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:28:13	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18923.89	18325.75	18816.35	18688.67	1.71	ppb
Antimony	121-1	1.61	1.69	1.75	1.68	4.32	ppb
Arsenic	75-2	14.42	13.96	13.72	14.03	2.54	ppb
Barium	135-1	22.21	23.13	22.95	22.76	2.14	ppb
Barium	137-1	22.35	23.14	23.47	22.98	2.51	ppb
Beryllium	9-1	-0.26	-0.80	-0.37	-0.47		ppb
Bismuth	209-1				125		%
Bismuth	209-2				116		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.00	1.99	2.36	2.12	9.97	ppb
Cadmium	106-1	1.59	1.34	0.74	1.22	35.40	ppb
Cadmium	111-1	1.89	1.95	1.87	1.90	2.03	ppb
Calcium	43-1	38376.39	39335.34	38932.48	38881.40	1.24	ppb
Calcium	44-1	43445.26	42790.04	42022.25	42752.52	1.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.17	13.32	13.11	13.20	0.82	ppb
Cobalt	59-2	43.14	43.14	42.42	42.90	0.96	ppb
Copper	63-2	124.36	119.32	118.51	120.73	2.63	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				118		%
Holmium	165-2				110		%
Indium	115-1				126		%
Indium	115-2				113		%
Iron	56-2	4105.61	3840.54	3895.30	3947.15	3.55	ppb
Iron	57-2	3839.67	3642.49	3635.79	3705.98	3.13	ppb
Iron	54-2	3600.52	3588.69	3579.76	3589.66	0.29	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:28:13	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	19.25	20.03	20.09	19.79	2.37	ppb
Lead	207-1	17.55	18.26	18.52	18.11	2.76	ppb
Lead	208-1	17.91	18.53	18.89	18.45	2.70	ppb
Lithium	6-1				80		%
Magnesium	24-2	6873.87	6601.84	6828.63	6768.11	2.15	ppb
Manganese	55-2	3251.51	3212.32	3142.68	3202.17	1.72	ppb
Molybdenum	94-1	0.71	0.70	0.62	0.68	7.53	ppb
Molybdenum	95-1	0.21	0.17	0.22	0.20	12.31	ppb
Molybdenum	96-1	0.25	0.25	0.26	0.25	1.80	ppb
Molybdenum	97-1	0.19	0.14	0.21	0.18	18.47	ppb
Molybdenum	98-1	0.17	0.17	0.16	0.17	3.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	41.26	40.49	41.06	40.93	0.98	ppb
Phosphorus	31-2	2174.79	2125.62	2028.41	2109.61	3.53	ppb
Potassium	39-2	9714.26	10028.37	9614.87	9785.83	2.21	ppb
Rhodium	103-1				111		%
Rhodium	103-2				107		%
Scandium	45-1				103		%
Scandium	45-2				91		%
Selenium	82-1	2.14	2.50	2.01	2.22	11.50	ppb
Selenium	77-2	22.85	23.81	23.45	23.37	2.08	ppb
Selenium	78-2	1.35	2.91	2.21	2.15	36.13	ppb
Silicon	28-1	591.23	596.96	598.13	595.44	0.62	ppb
Silver	107-1	0.35	0.38	0.41	0.38	7.54	ppb
Silver	109-1	0.27	0.31	0.36	0.31	14.48	ppb
Sodium	23-2	2606.98	2625.40	2671.84	2634.74	1.27	ppb
Strontium	86-1	119.14	117.67	117.80	118.20	0.69	ppb
Strontium	88-1	132.44	133.87	131.38	132.56	0.94	ppb
Sulfur	34-1	100702.03	101826.17	99564.04	100697.41	1.12	ppb
Terbium	159-1				116		%
Terbium	159-2				110		%
Thallium	203-1	0.16	0.17	0.18	0.17	4.33	ppb
Thallium	205-1	0.15	0.18	0.18	0.17	9.60	ppb
Tin	118-1	7.23	7.74	8.33	7.77	7.14	ppb
Titanium	47-1	5.24	4.80	5.33	5.12	5.51	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:28:13	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.38	3.59	3.59	3.52	3.52	ppb
Vanadium	51-2	29.77	28.74	28.48	29.00	2.35	ppb
Yttrium	89-1				132		%
Yttrium	89-2				120		%
Zinc	66-2	352.96	354.59	346.71	351.42	1.18	ppb
Zirconium	90-1	0.28	0.32	0.32	0.31	7.01	ppb
Zirconium	91-1	0.33	0.30	0.32	0.32	4.65	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:31:21	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14732.86	14937.26	14601.84	14757.32	1.15	ppb
Antimony	121-1	1.36	1.52	1.51	1.46	5.96	ppb
Arsenic	75-2	10.41	10.80	10.26	10.49	2.67	ppb
Barium	135-1	24.66	25.27	24.22	24.72	2.15	ppb
Barium	137-1	25.23	24.96	24.82	25.00	0.82	ppb
Beryllium	9-1	-1.07	-1.48	-1.37	-1.30		ppb
Bismuth	209-1				127		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.83	2.24	2.85	2.64	13.12	ppb
Cadmium	106-1	0.60	0.12	1.24	0.66	86.28	ppb
Cadmium	111-1	2.31	2.29	2.35	2.32	1.44	ppb
Calcium	43-1	51663.70	52243.15	52070.94	51992.60	0.57	ppb
Calcium	44-1	58269.95	58236.21	57244.29	57916.82	1.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.36	10.20	10.01	10.19	1.71	ppb
Cobalt	59-2	51.09	50.95	50.26	50.77	0.87	ppb
Copper	63-2	75.09	75.33	72.01	74.14	2.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				106		%
Indium	115-1				124		%
Indium	115-2				109		%
Iron	56-2	1937.19	1928.32	1931.89	1932.47	0.23	ppb
Iron	57-2	2002.78	2021.93	1947.50	1990.74	1.94	ppb
Iron	54-2	1767.30	1762.78	1789.60	1773.22	0.81	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:31:21	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	9.56	9.76	10.28	9.87	3.77	ppb
Lead	207-1	8.82	9.19	9.30	9.10	2.79	ppb
Lead	208-1	9.00	9.21	9.62	9.28	3.39	ppb
Lithium	6-1				81		%
Magnesium	24-2	9249.91	9684.31	9341.72	9425.31	2.43	ppb
Manganese	55-2	4219.62	4179.87	4176.78	4192.09	0.57	ppb
Molybdenum	94-1	0.55	0.49	0.55	0.53	7.04	ppb
Molybdenum	95-1	0.19	0.21	0.21	0.20	7.54	ppb
Molybdenum	96-1	0.23	0.23	0.24	0.23	2.47	ppb
Molybdenum	97-1	0.17	0.18	0.18	0.18	4.82	ppb
Molybdenum	98-1	0.16	0.16	0.17	0.16	5.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.38	46.13	45.24	45.92	1.31	ppb
Phosphorus	31-2	1347.44	1316.75	1304.00	1322.73	1.69	ppb
Potassium	39-2	12808.77	13031.18	12615.31	12818.42	1.62	ppb
Rhodium	103-1				111		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				89		%
Selenium	82-1	1.04	1.42	0.85	1.10	26.47	ppb
Selenium	77-2	14.96	18.59	16.95	16.83	10.81	ppb
Selenium	78-2	0.65	1.82	0.22	0.90	92.14	ppb
Silicon	28-1	583.10	574.91	594.83	584.28	1.71	ppb
Silver	107-1	0.26	0.29	0.34	0.30	13.67	ppb
Silver	109-1	0.24	0.28	0.28	0.27	8.80	ppb
Sodium	23-2	3419.45	3506.27	3487.06	3470.93	1.31	ppb
Strontium	86-1	165.03	170.51	168.53	168.02	1.65	ppb
Strontium	88-1	186.80	191.95	186.99	188.58	1.55	ppb
Sulfur	34-1	92296.49	93191.78	95476.95	93655.07	1.75	ppb
Terbium	159-1				118		%
Terbium	159-2				108		%
Thallium	203-1	0.13	0.13	0.16	0.14	12.36	ppb
Thallium	205-1	0.12	0.14	0.15	0.14	10.32	ppb
Tin	118-1	6.15	6.88	7.24	6.76	8.25	ppb
Titanium	47-1	23.28	23.30	23.14	23.24	0.37	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:31:21	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.17	1.19	1.24	1.20	2.98	ppb
Vanadium	51-2	15.86	15.92	15.49	15.76	1.48	ppb
Yttrium	89-1				127		%
Yttrium	89-2				111		%
Zinc	66-2	402.87	403.25	403.39	403.17	0.07	ppb
Zirconium	90-1	0.22	0.23	0.23	0.23	2.17	ppb
Zirconium	91-1	0.20	0.22	0.24	0.22	9.39	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:34:30	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15964.94	15228.22	15223.20	15472.12	2.76	ppb
Antimony	121-1	1.62	1.77	1.82	1.74	5.96	ppb
Arsenic	75-2	8.89	8.46	8.23	8.53	3.89	ppb
Barium	135-1	16.46	16.60	16.54	16.53	0.43	ppb
Barium	137-1	16.70	16.97	17.05	16.91	1.09	ppb
Beryllium	9-1	0.64	0.66	0.54	0.61	10.39	ppb
Bismuth	209-1				127		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.30	2.60	2.59	2.49	6.86	ppb
Cadmium	106-1	1.37	1.23	0.75	1.11	29.37	ppb
Cadmium	111-1	2.44	2.47	2.48	2.46	1.04	ppb
Calcium	43-1	28830.51	28586.67	28969.73	28795.64	0.67	ppb
Calcium	44-1	31960.41	32365.77	32163.05	32163.08	0.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33.99	35.28	33.23	34.17	3.04	ppb
Cobalt	59-2	39.77	40.45	38.71	39.64	2.21	ppb
Copper	63-2	282.50	282.32	276.92	280.58	1.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				107		%
Indium	115-1				124		%
Indium	115-2				108		%
Iron	56-2	9445.31	9399.94	9466.88	9437.38	0.36	ppb
Iron	57-2	8729.68	8687.50	8547.06	8654.75	1.10	ppb
Iron	54-2	9503.59	9690.94	9547.80	9580.78	1.02	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:34:30	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	45.16	45.41	45.78	45.45	0.69	ppb
Lead	207-1	40.70	41.58	42.14	41.48	1.76	ppb
Lead	208-1	41.68	42.33	42.62	42.21	1.13	ppb
Lithium	6-1				81		%
Magnesium	24-2	5764.42	5745.82	5772.47	5760.90	0.24	ppb
Manganese	55-2	2582.32	2618.91	2606.70	2602.64	0.72	ppb
Molybdenum	94-1	0.43	0.43	0.41	0.43	2.88	ppb
Molybdenum	95-1	0.19	0.21	0.20	0.20	4.02	ppb
Molybdenum	96-1	0.25	0.22	0.27	0.25	11.01	ppb
Molybdenum	97-1	0.16	0.22	0.20	0.20	16.61	ppb
Molybdenum	98-1	0.15	0.17	0.16	0.16	6.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.95	45.94	45.21	45.37	1.12	ppb
Phosphorus	31-2	2893.23	3065.04	2944.87	2967.71	2.97	ppb
Potassium	39-2	5501.50	5643.24	5279.56	5474.76	3.35	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				99		%
Scandium	45-2				89		%
Selenium	82-1	1.79	2.12	2.29	2.07	12.22	ppb
Selenium	77-2	28.09	26.82	23.18	26.03	9.79	ppb
Selenium	78-2	2.87	1.98	1.70	2.18	28.09	ppb
Silicon	28-1	603.84	599.84	611.62	605.10	0.99	ppb
Silver	107-1	0.36	0.41	0.45	0.41	10.58	ppb
Silver	109-1	0.20	0.23	0.25	0.23	10.39	ppb
Sodium	23-2	1370.34	1389.04	1383.87	1381.08	0.70	ppb
Strontium	86-1	70.26	69.56	69.60	69.81	0.57	ppb
Strontium	88-1	78.85	79.82	79.12	79.26	0.63	ppb
Sulfur	34-1	100440.06	94597.91	100636.13	98558.03	3.48	ppb
Terbium	159-1				119		%
Terbium	159-2				106		%
Thallium	203-1	0.13	0.13	0.12	0.13	6.44	ppb
Thallium	205-1	0.12	0.12	0.12	0.12	0.42	ppb
Tin	118-1	5.30	5.85	6.28	5.81	8.44	ppb
Titanium	47-1	11.49	11.23	11.94	11.55	3.10	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:34:30	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.18	7.48	7.34	7.33	2.05	ppb
Vanadium	51-2	41.88	40.79	39.91	40.86	2.42	ppb
Yttrium	89-1				130		%
Yttrium	89-2				114		%
Zinc	66-2	371.35	377.64	364.52	371.17	1.77	ppb
Zirconium	90-1	0.15	0.18	0.15	0.16	10.54	ppb
Zirconium	91-1	0.16	0.17	0.17	0.17	3.34	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:37:38	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14479.59	14857.07	14244.87	14527.18	2.13	ppb
Antimony	121-1	1.74	1.81	1.90	1.82	4.57	ppb
Arsenic	75-2	8.58	9.09	9.57	9.08	5.41	ppb
Barium	135-1	17.02	17.20	17.51	17.24	1.43	ppb
Barium	137-1	17.85	17.38	17.62	17.62	1.33	ppb
Beryllium	9-1	0.74	0.54	0.83	0.70	21.31	ppb
Bismuth	209-1				127		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.08	3.04	2.82	2.65	18.91	ppb
Cadmium	106-1	1.18	0.69	0.27	0.71	64.36	ppb
Cadmium	111-1	2.47	2.36	2.32	2.38	3.26	ppb
Calcium	43-1	28716.59	28298.95	28722.78	28579.44	0.85	ppb
Calcium	44-1	31843.67	32113.26	31805.08	31920.67	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.39	37.36	35.17	36.31	3.01	ppb
Cobalt	59-2	39.01	39.73	37.85	38.86	2.44	ppb
Copper	63-2	285.40	292.07	281.33	286.26	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				120		%
Holmium	165-2				108		%
Indium	115-1				123		%
Indium	115-2				107		%
Iron	56-2	9309.35	9184.95	9350.69	9281.66	0.93	ppb
Iron	57-2	8499.58	8557.11	8405.52	8487.40	0.90	ppb
Iron	54-2	9500.19	9281.39	9161.86	9314.48	1.84	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:37:38	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	47.06	47.83	47.26	47.38	0.84	ppb
Lead	207-1	42.37	43.87	43.72	43.32	1.91	ppb
Lead	208-1	43.52	44.79	44.34	44.22	1.45	ppb
Lithium	6-1				80		%
Magnesium	24-2	5624.89	5733.26	5622.60	5660.25	1.12	ppb
Manganese	55-2	2476.75	2502.52	2496.73	2492.00	0.54	ppb
Molybdenum	94-1	0.45	0.40	0.45	0.43	6.22	ppb
Molybdenum	95-1	0.22	0.21	0.22	0.22	2.45	ppb
Molybdenum	96-1	0.25	0.29	0.29	0.28	8.36	ppb
Molybdenum	97-1	0.19	0.25	0.21	0.22	14.45	ppb
Molybdenum	98-1	0.18	0.18	0.20	0.19	6.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	41.31	41.22	40.28	40.94	1.40	ppb
Phosphorus	31-2	3034.18	3041.53	2795.88	2957.20	4.73	ppb
Potassium	39-2	5545.49	5454.65	5520.38	5506.84	0.85	ppb
Rhodium	103-1				108		%
Rhodium	103-2				104		%
Scandium	45-1				100		%
Scandium	45-2				88		%
Selenium	82-1	1.47	2.24	2.35	2.02	23.84	ppb
Selenium	77-2	21.56	27.21	23.46	24.08	11.93	ppb
Selenium	78-2	4.01	1.45	2.66	2.71	47.43	ppb
Silicon	28-1	592.45	570.35	576.25	579.69	1.97	ppb
Silver	107-1	0.35	0.41	0.40	0.39	8.22	ppb
Silver	109-1	0.20	0.23	0.25	0.23	10.71	ppb
Sodium	23-2	1402.34	1415.45	1406.88	1408.22	0.47	ppb
Strontium	86-1	71.49	70.70	72.07	71.42	0.97	ppb
Strontium	88-1	78.49	77.30	81.45	79.08	2.70	ppb
Sulfur	34-1	99730.49	97782.85	98131.60	98548.31	1.05	ppb
Terbium	159-1				118		%
Terbium	159-2				107		%
Thallium	203-1	0.11	0.12	0.12	0.12	5.93	ppb
Thallium	205-1	0.10	0.11	0.11	0.11	3.98	ppb
Tin	118-1	6.65	7.04	7.35	7.01	4.95	ppb
Titanium	47-1	11.88	11.45	11.51	11.61	1.99	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:37:38	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.88	8.05	7.92	7.95	1.08	ppb
Vanadium	51-2	39.26	40.65	38.88	39.59	2.35	ppb
Yttrium	89-1				128		%
Yttrium	89-2				113		%
Zinc	66-2	366.59	370.90	355.14	364.21	2.24	ppb
Zirconium	90-1	0.15	0.15	0.16	0.15	4.60	ppb
Zirconium	91-1	0.15	0.16	0.18	0.16	8.38	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:40:48	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16896.69	16636.20	16651.03	16727.97	0.87	ppb
Antimony	121-1	1.67	1.82	1.84	1.78	5.00	ppb
Arsenic	75-2	8.97	8.82	9.47	9.09	3.75	ppb
Barium	135-1	16.78	17.05	17.17	17.00	1.16	ppb
Barium	137-1	17.16	17.57	17.76	17.50	1.76	ppb
Beryllium	9-1	0.65	0.82	0.60	0.69	16.51	ppb
Bismuth	209-1				125		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.62	2.88	2.29	2.60	11.44	ppb
Cadmium	106-1	1.72	1.14	2.09	1.65	29.22	ppb
Cadmium	111-1	2.95	2.96	2.99	2.97	0.76	ppb
Calcium	43-1	33478.48	33983.70	33312.38	33591.52	1.04	ppb
Calcium	44-1	37171.09	37373.03	37571.52	37371.88	0.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.73	38.34	39.59	38.55	2.45	ppb
Cobalt	59-2	44.06	43.95	44.80	44.27	1.05	ppb
Copper	63-2	331.70	330.65	328.73	330.36	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				119		%
Holmium	165-2				108		%
Indium	115-1				124		%
Indium	115-2				108		%
Iron	56-2	9469.39	9641.00	9556.90	9555.76	0.90	ppb
Iron	57-2	8681.00	8673.48	8728.72	8694.40	0.34	ppb
Iron	54-2	9601.19	9705.78	9724.98	9677.32	0.69	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:40:48	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	50.90	54.00	52.99	52.63	3.01	ppb
Lead	207-1	46.83	49.33	48.72	48.29	2.69	ppb
Lead	208-1	47.79	50.11	49.47	49.12	2.44	ppb
Lithium	6-1				77		%
Magnesium	24-2	6339.27	6308.78	6423.47	6357.17	0.93	ppb
Manganese	55-2	2943.49	3004.91	3004.85	2984.42	1.19	ppb
Molybdenum	94-1	0.46	0.48	0.47	0.47	1.75	ppb
Molybdenum	95-1	0.21	0.20	0.22	0.21	2.93	ppb
Molybdenum	96-1	0.25	0.27	0.26	0.26	3.64	ppb
Molybdenum	97-1	0.17	0.23	0.24	0.21	16.22	ppb
Molybdenum	98-1	0.17	0.18	0.21	0.19	11.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	45.94	45.58	46.51	46.01	1.02	ppb
Phosphorus	31-2	3108.89	3086.52	3252.90	3149.43	2.87	ppb
Potassium	39-2	6031.71	6082.11	6213.95	6109.25	1.54	ppb
Rhodium	103-1				110		%
Rhodium	103-2				105		%
Scandium	45-1				98		%
Scandium	45-2				89		%
Selenium	82-1	2.19	2.13	2.20	2.17	1.75	ppb
Selenium	77-2	29.59	29.98	25.24	28.27	9.31	ppb
Selenium	78-2	4.38	3.93	3.43	3.91	12.20	ppb
Silicon	28-1	675.26	675.88	671.16	674.10	0.38	ppb
Silver	107-1	0.35	0.42	0.45	0.41	12.65	ppb
Silver	109-1	0.18	0.21	0.22	0.20	9.00	ppb
Sodium	23-2	1501.87	1519.17	1487.78	1502.94	1.05	ppb
Strontium	86-1	78.99	80.71	82.04	80.58	1.89	ppb
Strontium	88-1	88.98	90.35	90.91	90.08	1.10	ppb
Sulfur	34-1	106496.23	110255.92	109099.09	108617.08	1.77	ppb
Terbium	159-1				118		%
Terbium	159-2				111		%
Thallium	203-1	0.12	0.10	0.13	0.11	11.76	ppb
Thallium	205-1	0.11	0.10	0.12	0.11	8.22	ppb
Tin	118-1	4.76	5.13	5.32	5.07	5.66	ppb
Titanium	47-1	12.65	12.73	12.38	12.59	1.47	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:40:48	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.26	8.70	8.69	8.55	2.97	ppb
Vanadium	51-2	44.18	44.82	44.92	44.64	0.90	ppb
Yttrium	89-1				132		%
Yttrium	89-2				117		%
Zinc	66-2	402.71	402.10	418.14	407.65	2.23	ppb
Zirconium	90-1	0.16	0.15	0.15	0.15	4.25	ppb
Zirconium	91-1	0.19	0.16	0.19	0.18	8.05	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:48:58	DataFile Name :	038CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46936.22	46978.33	46508.86	46807.80	0.55	ppb
Antimony	121-1	491.74	497.01	520.61	503.12	3.06	ppb
Arsenic	75-2	483.61	489.18	477.92	483.57	1.16	ppb
Barium	135-1	2491.63	2515.03	2631.58	2546.08	2.94	ppb
Barium	137-1	2492.16	2521.40	2587.01	2533.52	1.92	ppb
Beryllium	9-1	512.20	519.13	513.14	514.83	0.73	ppb
Bismuth	209-1				114		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	495.17	504.37	516.40	505.31	2.11	ppb
Cadmium	106-1	499.41	513.87	524.05	512.45	2.42	ppb
Cadmium	111-1	484.56	485.84	505.49	491.96	2.38	ppb
Calcium	43-1	240898.57	256621.40	250560.28	249360.09	3.18	ppb
Calcium	44-1	242923.89	252894.18	252536.17	249451.41	2.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	527.34	522.54	530.63	526.84	0.77	ppb
Cobalt	59-2	510.41	529.55	523.68	521.21	1.88	ppb
Copper	63-2	5464.08	5446.57	5372.03	5427.56	0.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				112		%
Indium	115-1				114		%
Indium	115-2				107		%
Iron	56-2	127003.45	129175.16	127622.47	127933.69	0.87	ppb
Iron	57-2	128472.44	130572.35	129813.18	129619.32	0.82	ppb
Iron	54-2	128154.25	127065.01	127009.46	127409.58	0.51	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:48:58	DataFile Name :	038CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2575.33	2543.71	2581.95	2567.00	0.80	ppb
Lead	207-1	2532.99	2523.39	2547.63	2534.67	0.48	ppb
Lead	208-1	2548.57	2532.89	2540.12	2540.53	0.31	ppb
Lithium	6-1				87		%
Magnesium	24-2	239888.72	242995.80	241912.48	241599.00	0.65	ppb
Manganese	55-2	5089.73	5152.07	5011.53	5084.44	1.39	ppb
Molybdenum	94-1	4992.97	5041.88	4997.48	5010.78	0.54	ppb
Molybdenum	95-1	4991.55	5036.80	5090.17	5039.51	0.98	ppb
Molybdenum	96-1	5061.12	5090.80	5107.79	5086.57	0.46	ppb
Molybdenum	97-1	5117.17	5017.27	5049.01	5061.15	1.01	ppb
Molybdenum	98-1	5007.92	5079.82	5012.53	5033.43	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	510.94	521.41	520.92	517.76	1.14	ppb
Phosphorus	31-2	9533.35	9579.32	9504.99	9539.22	0.39	ppb
Potassium	39-2	118220.88	120460.44	118644.04	119108.46	1.00	ppb
Rhodium	103-1				110		%
Rhodium	103-2				107		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	481.52	487.39	481.93	483.62	0.68	ppb
Selenium	77-2	451.73	485.63	460.27	465.88	3.78	ppb
Selenium	78-2	467.73	473.31	455.55	465.53	1.95	ppb
Silicon	28-1	487.92	508.57	502.89	499.79	2.13	ppb
Silver	107-1	512.19	522.54	537.68	524.14	2.45	ppb
Silver	109-1	494.77	509.80	533.41	512.66	3.80	ppb
Sodium	23-2	243213.68	245451.67	246228.66	244964.67	0.64	ppb
Strontium	86-1	450.19	451.33	455.26	452.26	0.59	ppb
Strontium	88-1	501.36	510.48	501.15	504.33	1.06	ppb
Sulfur	34-1	7925.77	8269.60	8277.59	8157.65	2.46	ppb
Terbium	159-1				116		%
Terbium	159-2				112		%
Thallium	203-1	521.67	519.75	523.85	521.76	0.39	ppb
Thallium	205-1	519.56	526.22	522.79	522.86	0.64	ppb
Tin	118-1	502.45	511.41	528.27	514.04	2.55	ppb
Titanium	47-1	4900.84	5180.66	5108.78	5063.43	2.87	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:48:58	DataFile Name :	038CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	502.44	499.09	502.85	501.46	0.41	ppb
Vanadium	51-2	514.87	533.03	528.32	525.41	1.79	ppb
Yttrium	89-1				116		%
Yttrium	89-2				111		%
Zinc	66-2	5314.74	5307.35	5385.06	5335.71	0.80	ppb
Zirconium	90-1	503.99	511.16	510.54	508.56	0.78	ppb
Zirconium	91-1	450.40	454.23	452.11	452.25	0.42	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 18:04:37	DataFile Name :	041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.31	-0.06	-0.22	-0.20		ppb
Antimony	121-1	0.03	0.03	0.02	0.03	15.38	ppb
Arsenic	75-2	-0.02	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.01	0.00	0.00	0.00	966.93	ppb
Barium	137-1	0.00	0.00	0.00	0.00	354.12	ppb
Beryllium	9-1	0.00	0.01	0.01	0.00	303.35	ppb
Bismuth	209-1				110		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.04	0.04	0.05	38.56	ppb
Cadmium	106-1	-2.92	-3.15	-1.36	-2.48		ppb
Cadmium	111-1	-0.17	-0.21	-0.07	-0.15		ppb
Calcium	43-1	-7.02	-4.01	-5.76	-5.60		ppb
Calcium	44-1	4.88	3.15	3.10	3.71	27.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.08	0.03	0.06	46.62	ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	0.67	0.76	0.71	0.71	6.19	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				108		%
Holmium	165-2				108		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	0.47	0.15	0.34	0.32	49.70	ppb
Iron	57-2	-0.22	0.24	-0.71	-0.23		ppb
Iron	54-2	-0.50	1.00	0.38	0.30	255.30	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 18:04:37	DataFile Name :	041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.02	0.02	0.03	64.75	ppb
Lead	207-1	0.03	0.03	0.04	0.03	12.54	ppb
Lead	208-1	0.04	0.04	0.04	0.04	1.44	ppb
Lithium	6-1				87		%
Magnesium	24-2	0.04	0.07	0.20	0.10	83.48	ppb
Manganese	55-2	-0.62	-0.66	-0.63	-0.64		ppb
Molybdenum	94-1	0.01	-0.01	0.00	0.00	831.89	ppb
Molybdenum	95-1	0.00	0.01	-0.01	0.00		ppb
Molybdenum	96-1	0.01	0.01	0.00	0.01	55.74	ppb
Molybdenum	97-1	0.01	0.05	0.00	0.02	125.85	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	52.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	-0.04	0.00	0.00	7177.94	ppb
Phosphorus	31-2	-172.94	-160.48	-163.47	-165.63		ppb
Potassium	39-2	5.72	3.69	4.99	4.80	21.40	ppb
Rhodium	103-1				111		%
Rhodium	103-2				109		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	82-1	0.06	0.82	1.00	0.62	79.63	ppb
Selenium	77-2	-0.02	-0.02	-0.26	-0.10		ppb
Selenium	78-2	-0.60	-0.12	-0.64	-0.45		ppb
Silicon	28-1	-1.04	-1.06	-1.28	-1.13		ppb
Silver	107-1	0.02	0.03	0.03	0.03	11.33	ppb
Silver	109-1	0.02	0.03	0.03	0.02	9.21	ppb
Sodium	23-2	17.01	15.58	17.63	16.74	6.28	ppb
Strontium	86-1	-0.04	-0.01	-0.04	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1723.14	-1750.46	-1909.13	-1794.24		ppb
Terbium	159-1				109		%
Terbium	159-2				109		%
Thallium	203-1	0.03	0.04	0.03	0.03	13.62	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	7.70	ppb
Tin	118-1	-0.09	-0.06	-0.07	-0.08		ppb
Titanium	47-1	-0.04	0.01	-0.04	-0.02		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 18:04:37	DataFile Name :	041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	69.63	ppb
Vanadium	51-2	0.00	0.01	0.00	0.01	73.40	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	0.05	0.19	0.11	0.12	60.63	ppb
Zirconium	90-1	0.00	0.01	-0.01	0.00		ppb
Zirconium	91-1	0.01	0.01	0.00	0.01	40.81	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:07:56	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18209.76	19403.02	18785.08	18799.29	3.17	ppb
Antimony	121-1	2.80	2.45	2.22	2.49	11.66	ppb
Arsenic	75-2	9.13	8.92	9.08	9.05	1.20	ppb
Barium	135-1	17.50	18.28	17.58	17.79	2.43	ppb
Barium	137-1	18.22	18.45	18.17	18.28	0.81	ppb
Beryllium	9-1	0.86	0.96	0.60	0.81	23.09	ppb
Bismuth	209-1				131		%
Bismuth	209-2				118		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.77	3.95	4.04	3.92	3.48	ppb
Cadmium	106-1	3.21	4.49	3.24	3.65	20.04	ppb
Cadmium	111-1	3.64	3.90	3.65	3.73	3.94	ppb
Calcium	43-1	40548.19	40494.03	41664.17	40902.13	1.61	ppb
Calcium	44-1	44545.97	45512.74	46717.84	45592.18	2.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.89	42.35	40.76	41.33	2.13	ppb
Cobalt	59-2	55.33	57.26	55.56	56.05	1.87	ppb
Copper	63-2	367.64	384.12	377.14	376.30	2.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				112		%
Indium	115-1				130		%
Indium	115-2				115		%
Iron	56-2	8717.39	8945.37	8869.41	8844.05	1.31	ppb
Iron	57-2	7854.22	8129.43	8082.23	8021.96	1.83	ppb
Iron	54-2	8834.99	8870.15	8793.92	8833.02	0.43	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:07:56	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	48.88	52.12	52.70	51.23	4.02	ppb
Lead	207-1	44.31	47.79	47.99	46.70	4.44	ppb
Lead	208-1	45.45	48.60	49.07	47.70	4.12	ppb
Lithium	6-1				81		%
Magnesium	24-2	6687.65	7246.70	6909.73	6948.03	4.05	ppb
Manganese	55-2	3493.89	3589.90	3559.40	3547.73	1.38	ppb
Molybdenum	94-1	0.45	0.42	0.48	0.45	7.54	ppb
Molybdenum	95-1	0.18	0.20	0.23	0.20	12.35	ppb
Molybdenum	96-1	0.24	0.24	0.24	0.24	0.57	ppb
Molybdenum	97-1	0.18	0.21	0.20	0.20	6.38	ppb
Molybdenum	98-1	0.14	0.19	0.19	0.17	16.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	57.56	57.63	57.07	57.42	0.53	ppb
Phosphorus	31-2	3078.09	3219.74	3109.08	3135.64	2.37	ppb
Potassium	39-2	7439.90	7466.99	7118.84	7341.91	2.64	ppb
Rhodium	103-1				114		%
Rhodium	103-2				108		%
Scandium	45-1				105		%
Scandium	45-2				93		%
Selenium	82-1	2.23	2.02	1.96	2.07	6.75	ppb
Selenium	77-2	29.31	26.70	27.22	27.74	4.98	ppb
Selenium	78-2	3.46	3.14	3.42	3.34	5.32	ppb
Silicon	28-1	757.39	761.81	737.75	752.32	1.70	ppb
Silver	107-1	0.47	0.43	0.45	0.45	4.04	ppb
Silver	109-1	0.28	0.26	0.28	0.27	4.24	ppb
Sodium	23-2	1658.48	1699.53	1701.74	1686.58	1.44	ppb
Strontium	86-1	98.54	100.16	98.80	99.17	0.88	ppb
Strontium	88-1	112.56	112.77	111.12	112.15	0.80	ppb
Sulfur	34-1	116557.88	114990.35	112034.47	114527.57	2.01	ppb
Terbium	159-1				118		%
Terbium	159-2				112		%
Thallium	203-1	0.20	0.21	0.21	0.21	2.99	ppb
Thallium	205-1	0.21	0.21	0.23	0.22	4.81	ppb
Tin	118-1	4.99	6.21	5.74	5.65	10.88	ppb
Titanium	47-1	8.53	8.21	8.89	8.54	3.99	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:07:56	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.44	7.87	7.98	7.76	3.70	ppb
Vanadium	51-2	47.79	50.34	49.66	49.27	2.68	ppb
Yttrium	89-1				140		%
Yttrium	89-2				127		%
Zinc	66-2	468.58	484.71	470.47	474.59	1.86	ppb
Zirconium	90-1	0.17	0.18	0.16	0.17	4.88	ppb
Zirconium	91-1	0.19	0.19	0.19	0.19	1.23	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:11:02	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15865.23	16253.35	15505.28	15874.62	2.36	ppb
Antimony	121-1	1.54	1.70	1.79	1.68	7.49	ppb
Arsenic	75-2	9.23	9.68	9.63	9.51	2.56	ppb
Barium	135-1	16.93	17.64	17.40	17.32	2.07	ppb
Barium	137-1	17.36	17.91	17.76	17.68	1.61	ppb
Beryllium	9-1	0.32	0.48	0.14	0.31	54.29	ppb
Bismuth	209-1				123		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.67	2.51	2.66	2.61	3.32	ppb
Cadmium	106-1	3.06	2.51	1.40	2.32	36.24	ppb
Cadmium	111-1	2.86	2.92	2.81	2.86	1.84	ppb
Calcium	43-1	31990.93	32232.90	32823.87	32349.24	1.32	ppb
Calcium	44-1	36011.10	35451.66	37054.77	36172.51	2.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.91	39.62	38.26	38.60	2.33	ppb
Cobalt	59-2	42.33	44.62	42.32	43.09	3.07	ppb
Copper	63-2	304.30	309.73	299.83	304.62	1.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				110		%
Indium	115-1				124		%
Indium	115-2				111		%
Iron	56-2	10360.33	10658.37	10748.72	10589.14	1.92	ppb
Iron	57-2	9727.80	9674.09	9556.12	9652.67	0.91	ppb
Iron	54-2	10469.67	10730.33	10618.75	10606.25	1.23	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:11:02	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	50.55	51.79	54.33	52.23	3.69	ppb
Lead	207-1	46.52	47.59	49.88	48.00	3.57	ppb
Lead	208-1	47.23	48.53	50.72	48.83	3.61	ppb
Lithium	6-1				74		%
Magnesium	24-2	6429.15	6127.57	5957.64	6171.45	3.87	ppb
Manganese	55-2	2713.90	2742.86	2766.72	2741.16	0.96	ppb
Molybdenum	94-1	0.46	0.50	0.47	0.48	3.88	ppb
Molybdenum	95-1	0.20	0.22	0.23	0.22	7.46	ppb
Molybdenum	96-1	0.27	0.29	0.26	0.27	4.30	ppb
Molybdenum	97-1	0.17	0.19	0.21	0.19	11.19	ppb
Molybdenum	98-1	0.18	0.16	0.20	0.18	9.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	45.60	46.41	45.98	46.00	0.88	ppb
Phosphorus	31-2	3170.59	3413.21	3134.86	3239.55	4.67	ppb
Potassium	39-2	5763.79	6166.82	5887.49	5939.37	3.48	ppb
Rhodium	103-1				113		%
Rhodium	103-2				108		%
Scandium	45-1				102		%
Scandium	45-2				90		%
Selenium	82-1	2.50	2.04	2.41	2.32	10.48	ppb
Selenium	77-2	24.79	32.09	29.10	28.66	12.80	ppb
Selenium	78-2	3.05	2.21	2.82	2.69	16.02	ppb
Silicon	28-1	640.92	626.77	659.75	642.48	2.57	ppb
Silver	107-1	0.34	0.39	0.42	0.38	11.51	ppb
Silver	109-1	0.18	0.23	0.26	0.23	17.97	ppb
Sodium	23-2	1365.43	1393.65	1406.74	1388.61	1.52	ppb
Strontium	86-1	76.73	78.20	78.73	77.89	1.33	ppb
Strontium	88-1	85.70	88.05	89.56	87.77	2.22	ppb
Sulfur	34-1	105432.34	107120.96	107298.61	106617.30	0.97	ppb
Terbium	159-1				117		%
Terbium	159-2				111		%
Thallium	203-1	0.11	0.13	0.13	0.13	8.82	ppb
Thallium	205-1	0.12	0.12	0.14	0.13	6.86	ppb
Tin	118-1	4.33	4.90	5.11	4.78	8.49	ppb
Titanium	47-1	13.61	13.65	14.80	14.02	4.80	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:11:02	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.40	7.76	8.05	7.73	4.23	ppb
Vanadium	51-2	43.98	45.24	44.55	44.59	1.42	ppb
Yttrium	89-1				135		%
Yttrium	89-2				120		%
Zinc	66-2	389.54	405.62	391.62	395.59	2.21	ppb
Zirconium	90-1	0.17	0.17	0.16	0.16	4.13	ppb
Zirconium	91-1	0.18	0.17	0.17	0.17	4.44	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:14:12	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18240.57	18563.60	18347.57	18383.91	0.90	ppb
Antimony	121-1	1.68	1.80	1.92	1.80	6.69	ppb
Arsenic	75-2	9.62	9.24	9.49	9.45	2.07	ppb
Barium	135-1	18.74	18.94	18.27	18.65	1.82	ppb
Barium	137-1	19.56	19.23	18.90	19.23	1.71	ppb
Beryllium	9-1	0.89	0.87	0.76	0.84	8.61	ppb
Bismuth	209-1				123		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.19	2.85	3.18	3.07	6.20	ppb
Cadmium	106-1	2.58	3.69	2.38	2.88	24.47	ppb
Cadmium	111-1	3.22	3.41	3.26	3.30	3.09	ppb
Calcium	43-1	35718.94	35284.86	35668.27	35557.36	0.67	ppb
Calcium	44-1	40177.58	39406.02	40222.91	39935.50	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.61	39.17	40.08	39.29	1.88	ppb
Cobalt	59-2	50.63	51.99	52.42	51.68	1.81	ppb
Copper	63-2	354.83	360.65	353.35	356.28	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				119		%
Holmium	165-2				109		%
Indium	115-1				122		%
Indium	115-2				108		%
Iron	56-2	9774.11	9697.49	9783.28	9751.63	0.48	ppb
Iron	57-2	8830.80	8913.85	8691.43	8812.03	1.28	ppb
Iron	54-2	9673.76	9412.12	9885.11	9657.00	2.45	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:14:12	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	52.95	53.96	54.47	53.79	1.45	ppb
Lead	207-1	48.22	48.41	50.67	49.10	2.77	ppb
Lead	208-1	48.95	49.83	50.94	49.91	2.00	ppb
Lithium	6-1				72		%
Magnesium	24-2	6411.24	6591.22	6303.38	6435.28	2.26	ppb
Manganese	55-2	3087.70	3134.65	3084.75	3102.37	0.90	ppb
Molybdenum	94-1	0.42	0.44	0.44	0.43	2.39	ppb
Molybdenum	95-1	0.23	0.23	0.24	0.24	1.24	ppb
Molybdenum	96-1	0.28	0.29	0.25	0.27	8.85	ppb
Molybdenum	97-1	0.22	0.21	0.24	0.22	5.25	ppb
Molybdenum	98-1	0.19	0.20	0.20	0.20	4.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.60	52.95	53.43	52.99	0.79	ppb
Phosphorus	31-2	3119.39	3243.42	3191.68	3184.83	1.96	ppb
Potassium	39-2	6556.18	6534.03	6918.49	6669.57	3.24	ppb
Rhodium	103-1				113		%
Rhodium	103-2				106		%
Scandium	45-1				101		%
Scandium	45-2				89		%
Selenium	82-1	2.09	2.49	1.88	2.15	14.33	ppb
Selenium	77-2	31.85	33.10	27.12	30.69	10.28	ppb
Selenium	78-2	3.33	2.36	3.27	2.98	18.15	ppb
Silicon	28-1	708.70	690.34	678.79	692.61	2.18	ppb
Silver	107-1	0.38	0.42	0.43	0.41	6.09	ppb
Silver	109-1	0.19	0.22	0.23	0.21	9.77	ppb
Sodium	23-2	1548.44	1553.90	1533.52	1545.29	0.68	ppb
Strontium	86-1	86.84	86.66	86.48	86.66	0.21	ppb
Strontium	88-1	97.72	96.40	95.77	96.63	1.03	ppb
Sulfur	34-1	107300.03	107991.85	101684.83	105658.90	3.27	ppb
Terbium	159-1				118		%
Terbium	159-2				110		%
Thallium	203-1	0.12	0.11	0.11	0.12	4.84	ppb
Thallium	205-1	0.12	0.12	0.12	0.12	0.50	ppb
Tin	118-1	4.51	5.34	5.01	4.96	8.53	ppb
Titanium	47-1	10.60	10.60	10.64	10.62	0.22	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:14:12	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.88	9.13	9.38	9.13	2.76	ppb
Vanadium	51-2	46.51	47.52	46.29	46.77	1.40	ppb
Yttrium	89-1				137		%
Yttrium	89-2				123		%
Zinc	66-2	439.77	447.61	460.60	449.33	2.34	ppb
Zirconium	90-1	0.16	0.14	0.16	0.15	7.29	ppb
Zirconium	91-1	0.16	0.15	0.15	0.15	4.16	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:17:19	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17761.13	18417.93	17854.43	18011.16	1.97	ppb
Antimony	121-1	1.64	1.78	1.88	1.77	6.77	ppb
Arsenic	75-2	10.18	9.98	9.89	10.01	1.49	ppb
Barium	135-1	19.03	19.56	19.19	19.26	1.41	ppb
Barium	137-1	19.36	19.59	19.89	19.61	1.37	ppb
Beryllium	9-1	0.51	0.62	0.31	0.48	32.26	ppb
Bismuth	209-1				123		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.88	3.48	2.73	3.36	17.42	ppb
Cadmium	106-1	1.14	1.66	3.14	1.98	52.50	ppb
Cadmium	111-1	2.98	2.94	3.18	3.03	4.30	ppb
Calcium	43-1	32461.39	33025.41	33543.96	33010.25	1.64	ppb
Calcium	44-1	36198.77	36994.49	37194.66	36795.97	1.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	42.44	43.29	42.43	42.72	1.17	ppb
Cobalt	59-2	48.00	48.62	47.49	48.04	1.18	ppb
Copper	63-2	341.71	345.86	340.36	342.64	0.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				110		%
Indium	115-1				123		%
Indium	115-2				110		%
Iron	56-2	11844.56	11720.05	11694.25	11752.96	0.68	ppb
Iron	57-2	10818.76	10868.20	10837.27	10841.41	0.23	ppb
Iron	54-2	11724.09	11642.18	11617.41	11661.23	0.48	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:17:19	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	56.27	56.60	56.79	56.55	0.47	ppb
Lead	207-1	51.87	53.02	52.59	52.49	1.11	ppb
Lead	208-1	52.75	53.21	53.50	53.15	0.71	ppb
Lithium	6-1				72		%
Magnesium	24-2	6349.05	6530.78	6429.61	6436.48	1.41	ppb
Manganese	55-2	3081.09	3053.80	3060.22	3065.04	0.47	ppb
Molybdenum	94-1	0.43	0.50	0.43	0.45	9.32	ppb
Molybdenum	95-1	0.21	0.23	0.21	0.22	3.77	ppb
Molybdenum	96-1	0.30	0.29	0.29	0.30	2.36	ppb
Molybdenum	97-1	0.23	0.21	0.22	0.22	5.91	ppb
Molybdenum	98-1	0.17	0.20	0.17	0.18	8.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	50.67	52.14	50.41	51.07	1.82	ppb
Phosphorus	31-2	3199.24	3278.28	3292.09	3256.54	1.54	ppb
Potassium	39-2	6248.67	6414.43	6181.05	6281.39	1.91	ppb
Rhodium	103-1				113		%
Rhodium	103-2				106		%
Scandium	45-1				100		%
Scandium	45-2				89		%
Selenium	82-1	1.36	2.63	1.77	1.92	33.76	ppb
Selenium	77-2	35.33	22.41	25.00	27.58	24.79	ppb
Selenium	78-2	3.95	3.88	3.57	3.80	5.27	ppb
Silicon	28-1	700.89	709.38	716.57	708.95	1.11	ppb
Silver	107-1	0.35	0.41	0.45	0.40	12.54	ppb
Silver	109-1	0.18	0.20	0.23	0.20	12.57	ppb
Sodium	23-2	1343.91	1333.09	1363.39	1346.80	1.14	ppb
Strontium	86-1	80.18	81.16	81.59	80.98	0.90	ppb
Strontium	88-1	90.93	91.03	93.14	91.70	1.37	ppb
Sulfur	34-1	111097.70	112761.24	114031.67	112630.20	1.31	ppb
Terbium	159-1				117		%
Terbium	159-2				110		%
Thallium	203-1	0.13	0.11	0.12	0.12	9.21	ppb
Thallium	205-1	0.12	0.12	0.12	0.12	2.89	ppb
Tin	118-1	4.23	4.65	4.86	4.58	6.96	ppb
Titanium	47-1	14.67	14.01	14.72	14.47	2.76	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:17:19	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.84	8.86	9.02	8.91	1.15	ppb
Vanadium	51-2	49.64	51.18	50.25	50.36	1.54	ppb
Yttrium	89-1				135		%
Yttrium	89-2				121		%
Zinc	66-2	398.00	406.62	395.30	399.97	1.48	ppb
Zirconium	90-1	0.17	0.16	0.16	0.16	2.09	ppb
Zirconium	91-1	0.18	0.18	0.16	0.17	8.53	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:20:29	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12723.25	13074.78	12054.76	12617.60	4.11	ppb
Antimony	121-1	1.10	1.21	1.31	1.20	8.62	ppb
Arsenic	75-2	9.23	9.46	9.40	9.36	1.23	ppb
Barium	135-1	24.74	25.03	25.58	25.12	1.69	ppb
Barium	137-1	25.45	25.12	25.49	25.35	0.81	ppb
Beryllium	9-1	-3.47	-3.67	-3.70	-3.61		ppb
Bismuth	209-1				122		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.12	2.72	2.80	2.88	7.38	ppb
Cadmium	106-1	0.73	0.48	0.69	0.63	21.62	ppb
Cadmium	111-1	2.73	2.73	2.73	2.73	0.08	ppb
Calcium	43-1	73504.87	75339.89	76262.69	75035.82	1.87	ppb
Calcium	44-1	74962.01	76766.37	76543.36	76090.58	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.83	10.21	10.21	10.08	2.17	ppb
Cobalt	59-2	52.24	53.38	52.94	52.86	1.09	ppb
Copper	63-2	58.28	61.49	59.76	59.84	2.68	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				122		%
Holmium	165-2				109		%
Indium	115-1				123		%
Indium	115-2				107		%
Iron	56-2	1960.70	1974.85	1922.30	1952.62	1.39	ppb
Iron	57-2	2014.59	2099.11	2052.08	2055.26	2.06	ppb
Iron	54-2	1775.80	1784.53	1761.93	1774.08	0.64	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:20:29	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	13.52	14.11	14.19	13.94	2.63	ppb
Lead	207-1	12.53	13.16	13.24	12.98	3.00	ppb
Lead	208-1	12.68	13.29	13.47	13.14	3.14	ppb
Lithium	6-1				70		%
Magnesium	24-2	11583.12	11993.19	11420.03	11665.45	2.53	ppb
Manganese	55-2	4815.83	4808.49	4769.02	4797.78	0.52	ppb
Molybdenum	94-1	0.53	0.59	0.61	0.58	6.74	ppb
Molybdenum	95-1	0.22	0.21	0.20	0.21	3.51	ppb
Molybdenum	96-1	0.21	0.20	0.21	0.21	4.43	ppb
Molybdenum	97-1	0.17	0.18	0.23	0.19	16.48	ppb
Molybdenum	98-1	0.14	0.14	0.16	0.14	9.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	47.89	48.02	47.67	47.86	0.36	ppb
Phosphorus	31-2	1299.89	1338.23	1343.30	1327.14	1.79	ppb
Potassium	39-2	14134.58	14923.43	14783.34	14613.79	2.88	ppb
Rhodium	103-1				112		%
Rhodium	103-2				106		%
Scandium	45-1				99		%
Scandium	45-2				88		%
Selenium	82-1	0.33	1.82	0.81	0.98	77.29	ppb
Selenium	77-2	7.94	13.37	13.36	11.56	27.11	ppb
Selenium	78-2	1.24	-0.69	-0.92	-0.12		ppb
Silicon	28-1	525.34	534.16	526.76	528.75	0.90	ppb
Silver	107-1	0.18	0.22	0.23	0.21	12.83	ppb
Silver	109-1	0.17	0.18	0.20	0.18	10.28	ppb
Sodium	23-2	3903.90	4037.15	3783.41	3908.15	3.25	ppb
Strontium	86-1	221.60	227.15	226.19	224.98	1.32	ppb
Strontium	88-1	247.14	251.08	253.06	250.43	1.20	ppb
Sulfur	34-1	105561.00	106149.85	104704.94	105471.93	0.69	ppb
Terbium	159-1				119		%
Terbium	159-2				110		%
Thallium	203-1	0.10	0.11	0.12	0.11	8.57	ppb
Thallium	205-1	0.11	0.12	0.11	0.11	2.60	ppb
Tin	118-1	4.20	4.60	4.94	4.58	8.08	ppb
Titanium	47-1	1.73	1.77	1.82	1.77	2.72	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:20:29	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.69	0.70	0.71	0.70	1.68	ppb
Vanadium	51-2	14.76	14.66	15.07	14.83	1.47	ppb
Yttrium	89-1				124		%
Yttrium	89-2				113		%
Zinc	66-2	473.86	486.82	488.34	483.01	1.65	ppb
Zirconium	90-1	0.21	0.24	0.24	0.23	7.33	ppb
Zirconium	91-1	0.23	0.28	0.25	0.25	8.72	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:23:37	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14658.21	14932.69	15278.63	14956.51	2.08	ppb
Antimony	121-1	1.14	1.14	1.24	1.17	4.80	ppb
Arsenic	75-2	13.41	13.56	12.98	13.32	2.27	ppb
Barium	135-1	25.52	24.71	24.75	24.99	1.81	ppb
Barium	137-1	25.41	25.63	25.16	25.40	0.93	ppb
Beryllium	9-1	-2.92	-2.99	-3.26	-3.06		ppb
Bismuth	209-1				125		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.89	2.22	2.35	2.49	14.39	ppb
Cadmium	106-1	0.54	1.06	0.17	0.59	76.23	ppb
Cadmium	111-1	2.57	2.58	2.32	2.49	5.90	ppb
Calcium	43-1	65776.94	69475.37	66098.11	67116.81	3.05	ppb
Calcium	44-1	66824.14	69104.43	66885.17	67604.58	1.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11.79	12.07	11.73	11.86	1.51	ppb
Cobalt	59-2	50.41	49.82	48.79	49.67	1.65	ppb
Copper	63-2	72.37	70.55	71.07	71.33	1.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				109		%
Indium	115-1				123		%
Indium	115-2				108		%
Iron	56-2	3261.89	3208.92	3275.92	3248.91	1.09	ppb
Iron	57-2	3246.67	3180.12	3180.01	3202.27	1.20	ppb
Iron	54-2	2915.04	2949.66	2989.78	2951.49	1.27	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:23:37	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	14.16	14.93	14.84	14.64	2.86	ppb
Lead	207-1	13.23	13.88	13.86	13.66	2.70	ppb
Lead	208-1	13.49	14.03	14.07	13.86	2.33	ppb
Lithium	6-1				72		%
Magnesium	24-2	10340.18	10220.88	10157.56	10239.54	0.91	ppb
Manganese	55-2	4235.26	4237.43	4299.39	4257.36	0.86	ppb
Molybdenum	94-1	0.67	0.65	0.65	0.66	2.00	ppb
Molybdenum	95-1	0.20	0.21	0.22	0.21	4.49	ppb
Molybdenum	96-1	0.20	0.21	0.23	0.21	6.34	ppb
Molybdenum	97-1	0.18	0.17	0.17	0.17	2.70	ppb
Molybdenum	98-1	0.13	0.13	0.15	0.14	8.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.93	47.06	46.83	46.94	0.24	ppb
Phosphorus	31-2	2085.21	2094.37	2066.16	2081.91	0.69	ppb
Potassium	39-2	12506.09	12521.41	11950.65	12326.05	2.64	ppb
Rhodium	103-1				112		%
Rhodium	103-2				107		%
Scandium	45-1				100		%
Scandium	45-2				88		%
Selenium	82-1	1.13	1.75	0.62	1.17	48.79	ppb
Selenium	77-2	16.61	14.91	16.97	16.16	6.81	ppb
Selenium	78-2	-1.38	-0.11	1.09	-0.13		ppb
Silicon	28-1	532.08	526.75	519.63	526.15	1.19	ppb
Silver	107-1	0.19	0.21	0.22	0.20	7.78	ppb
Silver	109-1	0.16	0.18	0.20	0.18	10.59	ppb
Sodium	23-2	3376.02	3473.50	3429.28	3426.26	1.42	ppb
Strontium	86-1	193.90	195.97	197.57	195.81	0.94	ppb
Strontium	88-1	218.30	218.35	223.72	220.12	1.41	ppb
Sulfur	34-1	110961.33	110483.40	107484.55	109643.09	1.72	ppb
Terbium	159-1				120		%
Terbium	159-2				109		%
Thallium	203-1	0.11	0.11	0.12	0.11	3.22	ppb
Thallium	205-1	0.12	0.12	0.11	0.12	5.15	ppb
Tin	118-1	3.75	4.10	4.34	4.06	7.26	ppb
Titanium	47-1	2.88	2.99	2.92	2.93	1.78	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:23:37	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.21	1.23	1.25	1.23	1.73	ppb
Vanadium	51-2	23.55	23.04	23.48	23.36	1.19	ppb
Yttrium	89-1				127		%
Yttrium	89-2				114		%
Zinc	66-2	480.88	484.66	470.92	478.82	1.48	ppb
Zirconium	90-1	0.28	0.30	0.30	0.29	4.54	ppb
Zirconium	91-1	0.31	0.32	0.35	0.33	6.60	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:26:47	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12582.08	13364.97	12732.04	12893.03	3.22	ppb
Antimony	121-1	0.29	0.29	0.31	0.30	2.60	ppb
Arsenic	75-2	11.62	11.47	11.68	11.59	0.92	ppb
Barium	135-1	24.30	24.13	24.49	24.31	0.74	ppb
Barium	137-1	24.44	24.77	24.48	24.56	0.73	ppb
Beryllium	9-1	-2.26	-2.33	-2.13	-2.24		ppb
Bismuth	209-1				122		%
Bismuth	209-2				118		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.15	2.52	2.03	2.23	11.29	ppb
Cadmium	106-1	0.79	1.12	1.31	1.08	24.38	ppb
Cadmium	111-1	1.94	2.00	2.04	1.99	2.54	ppb
Calcium	43-1	64939.31	67194.89	65818.77	65984.32	1.72	ppb
Calcium	44-1	65918.64	66587.47	67294.88	66600.33	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.01	8.23	7.96	8.07	1.74	ppb
Cobalt	59-2	35.78	36.80	35.13	35.90	2.35	ppb
Copper	63-2	53.38	53.98	52.95	53.44	0.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				114		%
Indium	115-1				122		%
Indium	115-2				111		%
Iron	56-2	3632.52	3748.07	3565.17	3648.59	2.54	ppb
Iron	57-2	3515.17	3577.88	3469.88	3520.98	1.54	ppb
Iron	54-2	3344.56	3422.14	3303.08	3356.60	1.80	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:26:47	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	12.45	12.03	12.53	12.34	2.17	ppb
Lead	207-1	11.42	11.22	11.66	11.43	1.91	ppb
Lead	208-1	11.71	11.39	11.84	11.65	2.00	ppb
Lithium	6-1				78		%
Magnesium	24-2	14934.94	15798.22	15148.52	15293.89	2.94	ppb
Manganese	55-2	3093.02	3174.44	3033.08	3100.18	2.29	ppb
Molybdenum	94-1	0.57	0.57	0.48	0.54	8.85	ppb
Molybdenum	95-1	0.07	0.05	0.06	0.06	18.21	ppb
Molybdenum	96-1	0.08	0.11	0.10	0.10	12.90	ppb
Molybdenum	97-1	0.04	0.07	0.07	0.06	25.10	ppb
Molybdenum	98-1	0.03	0.02	0.02	0.02	20.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	34.51	35.60	34.62	34.91	1.72	ppb
Phosphorus	31-2	1755.53	1842.52	1787.34	1795.13	2.45	ppb
Potassium	39-2	9667.92	9868.74	9500.19	9678.95	1.91	ppb
Rhodium	103-1				118		%
Rhodium	103-2				113		%
Scandium	45-1				107		%
Scandium	45-2				98		%
Selenium	82-1	1.32	1.01	0.62	0.98	35.75	ppb
Selenium	77-2	14.14	8.67	10.08	10.96	25.92	ppb
Selenium	78-2	1.31	2.92	1.90	2.04	39.97	ppb
Silicon	28-1	452.10	462.52	457.27	457.29	1.14	ppb
Silver	107-1	0.12	0.11	0.11	0.11	7.59	ppb
Silver	109-1	0.09	0.08	0.07	0.08	9.87	ppb
Sodium	23-2	2793.05	2798.48	2761.84	2784.46	0.71	ppb
Strontium	86-1	159.33	164.42	163.05	162.27	1.63	ppb
Strontium	88-1	178.29	182.40	182.61	181.10	1.34	ppb
Sulfur	34-1	110461.22	114279.04	108581.94	111107.40	2.61	ppb
Terbium	159-1				120		%
Terbium	159-2				113		%
Thallium	203-1	0.12	0.09	0.11	0.10	15.51	ppb
Thallium	205-1	0.10	0.10	0.09	0.10	2.16	ppb
Tin	118-1	0.17	0.11	0.10	0.13	29.35	ppb
Titanium	47-1	2.59	2.97	2.85	2.80	6.96	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:26:47	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.18	1.17	1.22	1.19	2.38	ppb
Vanadium	51-2	20.89	21.67	20.88	21.15	2.14	ppb
Yttrium	89-1				130		%
Yttrium	89-2				120		%
Zinc	66-2	388.73	395.24	384.85	389.61	1.35	ppb
Zirconium	90-1	0.26	0.27	0.27	0.27	1.85	ppb
Zirconium	91-1	0.28	0.33	0.28	0.29	9.00	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:29:55	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12110.83	12508.74	12685.81	12435.12	2.37	ppb
Antimony	121-1	0.19	0.18	0.19	0.19	5.17	ppb
Arsenic	75-2	10.91	11.74	11.53	11.39	3.79	ppb
Barium	135-1	23.69	24.39	23.64	23.90	1.75	ppb
Barium	137-1	24.40	24.45	23.99	24.28	1.04	ppb
Beryllium	9-1	-2.06	-2.08	-1.94	-2.02		ppb
Bismuth	209-1				117		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.97	1.69	1.96	1.87	8.61	ppb
Cadmium	106-1	0.38	0.92	0.35	0.55	57.84	ppb
Cadmium	111-1	1.94	1.95	1.81	1.90	4.03	ppb
Calcium	43-1	65218.11	64079.72	64921.68	64739.84	0.91	ppb
Calcium	44-1	63748.48	64158.82	64763.82	64223.71	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.72	7.46	7.82	7.67	2.44	ppb
Cobalt	59-2	34.66	33.83	34.32	34.27	1.21	ppb
Copper	63-2	47.89	47.27	48.20	47.79	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				117		%
Holmium	165-2				113		%
Indium	115-1				119		%
Indium	115-2				112		%
Iron	56-2	3492.07	3517.81	3504.86	3504.92	0.37	ppb
Iron	57-2	3395.07	3351.40	3450.63	3399.03	1.46	ppb
Iron	54-2	3155.11	3186.41	3163.96	3168.50	0.51	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:29:55	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	12.16	12.24	12.19	12.20	0.31	ppb
Lead	207-1	11.23	11.16	11.29	11.22	0.58	ppb
Lead	208-1	11.42	11.37	11.51	11.44	0.61	ppb
Lithium	6-1				80		%
Magnesium	24-2	14397.30	14623.34	14703.59	14574.74	1.09	ppb
Manganese	55-2	2946.99	3009.67	3017.94	2991.53	1.30	ppb
Molybdenum	94-1	0.50	0.50	0.49	0.50	1.45	ppb
Molybdenum	95-1	0.08	0.07	0.07	0.07	7.68	ppb
Molybdenum	96-1	0.12	0.12	0.09	0.11	14.58	ppb
Molybdenum	97-1	0.05	0.06	0.06	0.06	10.92	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.02	23.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	33.22	33.34	33.56	33.38	0.52	ppb
Phosphorus	31-2	1846.41	1778.72	1831.83	1818.99	1.96	ppb
Potassium	39-2	9531.94	9141.58	9532.44	9401.99	2.40	ppb
Rhodium	103-1				117		%
Rhodium	103-2				113		%
Scandium	45-1				109		%
Scandium	45-2				101		%
Selenium	82-1	0.33	0.88	0.83	0.68	44.55	ppb
Selenium	77-2	9.81	9.46	9.60	9.62	1.80	ppb
Selenium	78-2	2.27	2.13	0.89	1.76	43.26	ppb
Silicon	28-1	451.86	454.21	456.61	454.22	0.52	ppb
Silver	107-1	0.09	0.08	0.08	0.08	5.37	ppb
Silver	109-1	0.06	0.07	0.05	0.06	10.30	ppb
Sodium	23-2	2597.80	2698.51	2686.08	2660.80	2.06	ppb
Strontium	86-1	157.27	157.31	156.05	156.88	0.45	ppb
Strontium	88-1	175.29	180.40	176.08	177.26	1.55	ppb
Sulfur	34-1	107986.71	110175.82	109056.04	109072.85	1.00	ppb
Terbium	159-1				118		%
Terbium	159-2				115		%
Thallium	203-1	0.11	0.10	0.11	0.10	3.33	ppb
Thallium	205-1	0.10	0.10	0.10	0.10	2.18	ppb
Tin	118-1	0.00	0.00	0.00	0.00		ppb
Titanium	47-1	2.87	2.77	2.77	2.80	1.90	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:29:55	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.15	1.17	1.19	1.17	1.78	ppb
Vanadium	51-2	20.02	20.31	20.75	20.36	1.82	ppb
Yttrium	89-1				129		%
Yttrium	89-2				122		%
Zinc	66-2	366.62	364.07	368.23	366.30	0.57	ppb
Zirconium	90-1	0.28	0.28	0.26	0.27	3.54	ppb
Zirconium	91-1	0.28	0.27	0.25	0.27	5.61	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 18:33:06	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2191.18	2202.78	2176.15	2190.04	0.61	ppb
Antimony	121-1	0.07	0.07	0.07	0.07	5.57	ppb
Arsenic	75-2	2.47	2.37	2.36	2.40	2.58	ppb
Barium	135-1	4.70	4.45	5.14	4.77	7.34	ppb
Barium	137-1	5.04	4.82	5.10	4.99	2.94	ppb
Beryllium	9-1	-0.35	-0.35	-0.20	-0.30		ppb
Bismuth	209-1				111		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.42	0.56	0.68	0.55	23.68	ppb
Cadmium	106-1	-1.49	-0.87	-0.81	-1.06		ppb
Cadmium	111-1	0.32	0.34	0.28	0.31	9.22	ppb
Calcium	43-1	11533.38	12025.32	11546.93	11701.88	2.39	ppb
Calcium	44-1	12931.15	13395.71	12952.83	13093.23	2.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.59	1.62	1.66	1.62	2.17	ppb
Cobalt	59-2	6.91	7.00	6.91	6.94	0.75	ppb
Copper	63-2	12.32	12.64	12.29	12.42	1.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				111		%
Indium	115-1				117		%
Indium	115-2				111		%
Iron	56-2	694.57	714.04	712.00	706.87	1.51	ppb
Iron	57-2	679.53	693.36	687.61	686.84	1.01	ppb
Iron	54-2	642.43	641.60	635.95	639.99	0.55	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 18:33:06	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.55	2.36	2.55	2.49	4.33	ppb
Lead	207-1	2.36	2.27	2.36	2.33	2.30	ppb
Lead	208-1	2.36	2.32	2.36	2.35	0.93	ppb
Lithium	6-1				80		%
Magnesium	24-2	2497.63	2542.53	2528.45	2522.87	0.91	ppb
Manganese	55-2	600.62	591.13	595.73	595.83	0.80	ppb
Molybdenum	94-1	0.11	0.11	0.08	0.10	13.08	ppb
Molybdenum	95-1	0.01	0.02	0.00	0.01	96.16	ppb
Molybdenum	96-1	0.04	0.04	0.02	0.03	30.91	ppb
Molybdenum	97-1	0.03	0.02	0.04	0.03	30.54	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	75.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.55	6.85	6.74	6.72	2.22	ppb
Phosphorus	31-2	220.13	235.13	214.05	223.10	4.87	ppb
Potassium	39-2	1685.50	1700.49	1723.57	1703.19	1.13	ppb
Rhodium	103-1				117		%
Rhodium	103-2				112		%
Scandium	45-1				107		%
Scandium	45-2				101		%
Selenium	82-1	1.17	0.61	0.40	0.73	55.37	ppb
Selenium	77-2	1.58	1.83	2.34	1.92	20.19	ppb
Selenium	78-2	-0.55	-0.20	-0.03	-0.26		ppb
Silicon	28-1	99.57	109.45	97.91	102.31	6.10	ppb
Silver	107-1	0.04	0.05	0.04	0.04	18.82	ppb
Silver	109-1	0.03	0.04	0.04	0.04	11.69	ppb
Sodium	23-2	478.61	484.89	483.23	482.24	0.67	ppb
Strontium	86-1	36.30	34.11	35.38	35.26	3.12	ppb
Strontium	88-1	33.88	33.77	33.22	33.62	1.05	ppb
Sulfur	34-1	16545.66	17179.07	16935.20	16886.64	1.89	ppb
Terbium	159-1				114		%
Terbium	159-2				112		%
Thallium	203-1	0.03	0.03	0.03	0.03	12.37	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	3.54	ppb
Tin	118-1	0.00	-0.05	-0.02	-0.02		ppb
Titanium	47-1	0.63	0.59	0.67	0.63	6.57	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 18:33:06	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.23	0.24	0.23	0.23	2.31	ppb
Vanadium	51-2	4.05	4.01	4.27	4.11	3.36	ppb
Yttrium	89-1				117		%
Yttrium	89-2				113		%
Zinc	66-2	74.68	74.80	75.69	75.06	0.74	ppb
Zirconium	90-1	0.07	0.05	0.05	0.06	15.50	ppb
Zirconium	91-1	0.06	0.08	0.09	0.08	16.06	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:36:18	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13595.44	13649.43	13522.60	13589.15	0.47	ppb
Antimony	121-1	83.53	83.86	84.68	84.02	0.70	ppb
Arsenic	75-2	99.01	99.72	99.15	99.29	0.38	ppb
Barium	135-1	389.20	388.78	399.75	392.57	1.58	ppb
Barium	137-1	396.32	392.06	398.92	395.77	0.88	ppb
Beryllium	9-1	95.51	98.48	96.40	96.80	1.57	ppb
Bismuth	209-1				116		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	96.53	96.08	98.35	96.98	1.24	ppb
Cadmium	106-1	102.83	96.48	98.02	99.11	3.35	ppb
Cadmium	111-1	96.61	95.89	97.18	96.56	0.67	ppb
Calcium	43-1	71157.52	70720.31	73187.93	71688.59	1.84	ppb
Calcium	44-1	72191.35	72149.68	71549.85	71963.63	0.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	92.33	91.95	91.64	91.97	0.38	ppb
Cobalt	59-2	119.71	120.88	121.58	120.72	0.78	ppb
Copper	63-2	1086.67	1104.43	1068.22	1086.44	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				119		%
Holmium	165-2				115		%
Indium	115-1				121		%
Indium	115-2				113		%
Iron	56-2	7508.21	7535.92	7568.38	7537.50	0.40	ppb
Iron	57-2	7101.94	7093.74	6994.72	7063.47	0.84	ppb
Iron	54-2	6888.02	6900.29	6874.24	6887.52	0.19	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:36:18	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	477.46	483.65	483.88	481.67	0.76	ppb
Lead	207-1	464.27	473.98	483.01	473.76	1.98	ppb
Lead	208-1	471.02	479.34	480.94	477.10	1.12	ppb
Lithium	6-1				82		%
Magnesium	24-2	22966.31	22522.06	22226.57	22571.65	1.65	ppb
Manganese	55-2	3831.37	3863.35	3836.93	3843.88	0.44	ppb
Molybdenum	94-1	356.52	361.50	357.62	358.55	0.73	ppb
Molybdenum	95-1	271.64	272.15	272.23	272.01	0.12	ppb
Molybdenum	96-1	280.34	322.24	285.94	296.17	7.68	ppb
Molybdenum	97-1	273.98	275.61	275.69	275.09	0.35	ppb
Molybdenum	98-1	303.61	319.20	315.58	312.80	2.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	127.69	127.64	127.60	127.64	0.04	ppb
Phosphorus	31-2	1713.23	1752.76	1740.28	1735.42	1.16	ppb
Potassium	39-2	12978.33	12939.86	12842.65	12920.28	0.54	ppb
Rhodium	103-1				118		%
Rhodium	103-2				114		%
Scandium	45-1				110		%
Scandium	45-2				104		%
Selenium	82-1	89.23	88.75	87.60	88.53	0.95	ppb
Selenium	77-2	88.91	95.50	95.94	93.45	4.22	ppb
Selenium	78-2	84.93	88.91	89.25	87.70	2.74	ppb
Silicon	28-1	436.53	448.48	443.41	442.81	1.35	ppb
Silver	107-1	15.76	15.96	16.08	15.93	1.02	ppb
Silver	109-1	14.42	14.37	14.48	14.42	0.38	ppb
Sodium	23-2	10875.43	10711.20	10899.69	10828.77	0.95	ppb
Strontium	86-1	244.39	245.28	246.11	245.26	0.35	ppb
Strontium	88-1	277.86	273.25	272.82	274.65	1.02	ppb
Sulfur	34-1	107829.09	107620.77	106562.45	107337.44	0.63	ppb
Terbium	159-1				117		%
Terbium	159-2				116		%
Thallium	203-1	77.24	78.28	79.00	78.17	1.13	ppb
Thallium	205-1	76.32	76.88	77.48	76.89	0.75	ppb
Tin	118-1	76.49	75.12	76.94	76.19	1.24	ppb
Titanium	47-1	3.35	3.45	3.45	3.42	1.62	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:36:18	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	70.97	70.92	72.39	71.43	1.17	ppb
Vanadium	51-2	106.99	106.46	106.48	106.64	0.28	ppb
Yttrium	89-1				130		%
Yttrium	89-2				124		%
Zinc	66-2	1279.96	1284.49	1278.45	1280.96	0.25	ppb
Zirconium	90-1	72.02	72.41	72.54	72.32	0.37	ppb
Zirconium	91-1	75.35	75.75	74.83	75.31	0.61	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:00:58	DataFile Name :	052CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48366.02	47473.73	47012.57	47617.44	1.45	ppb
Antimony	121-1	540.72	555.92	549.51	548.72	1.39	ppb
Arsenic	75-2	470.08	488.08	493.48	483.88	2.53	ppb
Barium	135-1	2501.92	2618.67	2558.69	2559.76	2.28	ppb
Barium	137-1	2490.49	2621.94	2539.68	2550.70	2.60	ppb
Beryllium	9-1	543.44	544.80	546.58	544.94	0.29	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	511.05	517.26	518.41	515.57	0.77	ppb
Cadmium	106-1	512.64	523.68	513.35	516.56	1.20	ppb
Cadmium	111-1	489.61	505.14	501.26	498.67	1.62	ppb
Calcium	43-1	246738.24	241313.03	248198.27	245416.51	1.48	ppb
Calcium	44-1	251486.14	243358.99	251211.72	248685.62	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	535.64	527.19	512.76	525.20	2.20	ppb
Cobalt	59-2	520.36	521.72	506.23	516.10	1.66	ppb
Copper	63-2	5383.02	5335.80	5328.71	5349.17	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				114		%
Holmium	165-2				112		%
Indium	115-1				112		%
Indium	115-2				107		%
Iron	56-2	128594.05	125240.67	125977.76	126604.16	1.39	ppb
Iron	57-2	128648.89	128126.33	126977.88	127917.70	0.67	ppb
Iron	54-2	128709.81	128863.24	126918.75	128163.93	0.84	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:00:58	DataFile Name :	052CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2633.21	2558.94	2580.91	2591.02	1.47	ppb
Lead	207-1	2497.76	2554.02	2565.37	2539.05	1.43	ppb
Lead	208-1	2562.92	2542.50	2549.66	2551.69	0.41	ppb
Lithium	6-1				84		%
Magnesium	24-2	246827.60	245964.44	241190.68	244660.91	1.24	ppb
Manganese	55-2	5164.99	5081.63	5068.36	5104.99	1.03	ppb
Molybdenum	94-1	4988.18	5026.99	5118.17	5044.45	1.32	ppb
Molybdenum	95-1	4975.13	5110.32	5090.33	5058.59	1.44	ppb
Molybdenum	96-1	5013.14	5082.43	5124.92	5073.49	1.11	ppb
Molybdenum	97-1	5013.43	5051.31	5088.75	5051.17	0.75	ppb
Molybdenum	98-1	4959.72	5063.51	5086.49	5036.57	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	515.20	511.17	502.29	509.55	1.30	ppb
Phosphorus	31-2	9806.57	9602.50	9586.49	9665.19	1.27	ppb
Potassium	39-2	120138.75	119796.33	118620.17	119518.42	0.67	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				112		%
Scandium	45-2				103		%
Selenium	82-1	481.42	485.06	482.92	483.13	0.38	ppb
Selenium	77-2	451.78	469.07	464.85	461.90	1.95	ppb
Selenium	78-2	457.87	464.50	488.91	470.42	3.47	ppb
Silicon	28-1	485.25	478.11	501.62	488.33	2.47	ppb
Silver	107-1	526.61	528.90	527.10	527.54	0.23	ppb
Silver	109-1	524.97	540.17	531.10	532.08	1.44	ppb
Sodium	23-2	242395.18	244388.69	240975.91	242586.59	0.71	ppb
Strontium	86-1	444.10	454.18	453.79	450.69	1.27	ppb
Strontium	88-1	516.51	507.92	512.12	512.18	0.84	ppb
Sulfur	34-1	8421.38	7992.59	8432.08	8282.01	3.03	ppb
Terbium	159-1				113		%
Terbium	159-2				112		%
Thallium	203-1	525.69	512.65	528.58	522.31	1.62	ppb
Thallium	205-1	521.74	509.45	517.49	516.23	1.21	ppb
Tin	118-1	506.59	516.42	515.03	512.68	1.04	ppb
Titanium	47-1	4973.07	4929.46	4990.07	4964.20	0.63	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:00:58	DataFile Name :	052CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	495.40	492.16	499.08	495.54	0.70	ppb
Vanadium	51-2	516.60	522.38	516.13	518.37	0.67	ppb
Yttrium	89-1				116		%
Yttrium	89-2				110		%
Zinc	66-2	5205.24	5245.93	5110.27	5187.15	1.34	ppb
Zirconium	90-1	506.77	509.17	520.72	512.22	1.46	ppb
Zirconium	91-1	444.90	451.45	459.74	452.03	1.65	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:13:48	DataFile Name :	053CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.05	-0.22	-0.17	-0.15		ppb
Antimony	121-1	0.03	0.03	0.02	0.03	11.20	ppb
Arsenic	75-2	0.00	0.02	-0.01	0.00	1576.22	ppb
Barium	135-1	0.00	0.00	0.02	0.01	107.55	ppb
Barium	137-1	0.01	0.00	0.00	0.00	39.23	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	-0.03	0.16	0.08	121.00	ppb
Cadmium	106-1	-2.80	-1.78	-2.86	-2.48		ppb
Cadmium	111-1	-0.18	-0.11	-0.19	-0.16		ppb
Calcium	43-1	-3.60	-2.59	-8.62	-4.94		ppb
Calcium	44-1	-2.01	0.13	1.10	-0.26		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.04	0.06	0.05	31.75	ppb
Cobalt	59-2	-0.01	0.00	-0.01	0.00		ppb
Copper	63-2	0.46	0.45	0.42	0.44	4.89	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				110		%
Holmium	165-2				107		%
Indium	115-1				111		%
Indium	115-2				107		%
Iron	56-2	0.70	0.52	0.54	0.59	16.75	ppb
Iron	57-2	-0.27	-0.51	-0.22	-0.33		ppb
Iron	54-2	1.17	0.17	0.22	0.52	108.53	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:13:48	DataFile Name :	053CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.02	0.01	0.01	56.49	ppb
Lead	207-1	0.01	0.04	0.03	0.03	42.13	ppb
Lead	208-1	0.03	0.03	0.03	0.03	11.39	ppb
Lithium	6-1				84		%
Magnesium	24-2	0.76	0.42	0.43	0.54	35.47	ppb
Manganese	55-2	-0.62	-0.61	-0.61	-0.61		ppb
Molybdenum	94-1	0.01	0.01	0.05	0.02	102.35	ppb
Molybdenum	95-1	0.03	0.02	0.00	0.01	109.00	ppb
Molybdenum	96-1	0.03	0.02	0.03	0.03	15.51	ppb
Molybdenum	97-1	0.04	0.03	0.02	0.03	32.65	ppb
Molybdenum	98-1	0.02	0.01	0.02	0.02	27.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.01	-0.02	-0.01		ppb
Phosphorus	31-2	-169.74	-162.47	-173.93	-168.71		ppb
Potassium	39-2	2.13	4.09	3.29	3.17	31.10	ppb
Rhodium	103-1				111		%
Rhodium	103-2				109		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	82-1	1.29	0.26	1.23	0.93	62.24	ppb
Selenium	77-2	-0.02	-0.02	-0.26	-0.10		ppb
Selenium	78-2	-0.27	0.33	0.69	0.25	192.00	ppb
Silicon	28-1	-0.79	-1.26	-1.25	-1.10		ppb
Silver	107-1	0.01	0.01	0.01	0.01	10.94	ppb
Silver	109-1	0.02	0.01	0.01	0.01	26.50	ppb
Sodium	23-2	8.55	8.60	6.55	7.90	14.83	ppb
Strontium	86-1	-0.02	-0.02	-0.02	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1866.88	-1924.09	-1989.21	-1926.72		ppb
Terbium	159-1				109		%
Terbium	159-2				109		%
Thallium	203-1	0.03	0.03	0.02	0.03	23.44	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	5.48	ppb
Tin	118-1	-0.11	-0.10	-0.12	-0.11		ppb
Titanium	47-1	-0.05	0.00	0.02	-0.01		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:13:48	DataFile Name :	053CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	30.24	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	0.04	0.04	-0.10	-0.01		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	35.53	ppb
Zirconium	91-1	0.01	0.01	0.02	0.02	51.75	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:18:38	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14005.04	14096.12	14444.99	14182.05	1.64	ppb
Antimony	121-1	83.73	83.13	82.88	83.25	0.53	ppb
Arsenic	75-2	97.31	99.59	96.43	97.78	1.67	ppb
Barium	135-1	390.50	385.55	388.73	388.26	0.65	ppb
Barium	137-1	394.13	391.59	391.29	392.34	0.40	ppb
Beryllium	9-1	99.67	101.85	100.27	100.60	1.12	ppb
Bismuth	209-1				113		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	94.86	92.34	96.97	94.72	2.45	ppb
Cadmium	106-1	100.10	96.52	95.45	97.35	2.50	ppb
Cadmium	111-1	96.38	94.54	94.75	95.22	1.06	ppb
Calcium	43-1	71315.32	71016.17	72428.58	71586.69	1.04	ppb
Calcium	44-1	70049.71	71383.97	71738.43	71057.37	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	90.36	90.92	92.23	91.17	1.05	ppb
Cobalt	59-2	117.10	119.00	120.02	118.71	1.25	ppb
Copper	63-2	1031.41	1064.69	1051.34	1049.15	1.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				112		%
Indium	115-1				117		%
Indium	115-2				111		%
Iron	56-2	7405.66	7509.61	7473.47	7462.92	0.71	ppb
Iron	57-2	6831.02	7007.96	6997.47	6945.48	1.43	ppb
Iron	54-2	6801.47	6810.43	6862.14	6824.68	0.48	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:18:38	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	466.30	486.31	472.05	474.89	2.17	ppb
Lead	207-1	464.70	479.99	467.88	470.86	1.71	ppb
Lead	208-1	461.82	484.74	474.84	473.80	2.43	ppb
Lithium	6-1				86		%
Magnesium	24-2	22952.34	23528.42	23601.73	23360.83	1.52	ppb
Manganese	55-2	3762.92	3856.28	3788.64	3802.61	1.27	ppb
Molybdenum	94-1	354.57	360.71	368.54	361.27	1.94	ppb
Molybdenum	95-1	271.90	275.56	279.52	275.66	1.38	ppb
Molybdenum	96-1	280.52	282.75	291.36	284.88	2.01	ppb
Molybdenum	97-1	274.85	277.91	284.13	278.96	1.70	ppb
Molybdenum	98-1	308.08	316.09	322.37	315.51	2.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	124.57	125.05	126.58	125.40	0.84	ppb
Phosphorus	31-2	1776.94	1726.38	1785.90	1763.07	1.82	ppb
Potassium	39-2	12866.11	12792.85	13296.41	12985.12	2.10	ppb
Rhodium	103-1				113		%
Rhodium	103-2				111		%
Scandium	45-1				109		%
Scandium	45-2				104		%
Selenium	82-1	85.59	90.17	90.43	88.73	3.07	ppb
Selenium	77-2	96.03	95.15	98.50	96.56	1.80	ppb
Selenium	78-2	89.47	89.48	89.02	89.32	0.29	ppb
Silicon	28-1	448.80	458.22	442.65	449.89	1.74	ppb
Silver	107-1	15.70	15.71	15.65	15.69	0.21	ppb
Silver	109-1	14.05	14.36	14.20	14.20	1.10	ppb
Sodium	23-2	11241.54	11115.72	11533.88	11297.05	1.90	ppb
Strontium	86-1	241.41	244.91	247.55	244.62	1.26	ppb
Strontium	88-1	269.86	271.58	276.29	272.58	1.22	ppb
Sulfur	34-1	103218.88	108752.49	108784.35	106918.57	3.00	ppb
Terbium	159-1				114		%
Terbium	159-2				113		%
Thallium	203-1	77.73	79.16	78.70	78.53	0.93	ppb
Thallium	205-1	75.53	76.11	76.65	76.10	0.74	ppb
Tin	118-1	74.16	73.86	74.51	74.18	0.44	ppb
Titanium	47-1	3.07	3.34	3.01	3.14	5.62	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:18:38	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	70.49	73.30	71.82	71.87	1.96	ppb
Vanadium	51-2	104.06	105.12	106.58	105.26	1.20	ppb
Yttrium	89-1				124		%
Yttrium	89-2				121		%
Zinc	66-2	1219.24	1241.41	1242.63	1234.43	1.07	ppb
Zirconium	90-1	71.55	73.22	74.00	72.92	1.72	ppb
Zirconium	91-1	75.24	76.42	76.93	76.20	1.14	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:21:42	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13998.10	13515.32	13828.43	13780.61	1.78	ppb
Antimony	121-1	82.19	82.28	81.87	82.11	0.26	ppb
Arsenic	75-2	99.51	96.82	97.21	97.85	1.49	ppb
Barium	135-1	386.07	386.15	381.93	384.71	0.63	ppb
Barium	137-1	390.97	388.05	385.42	388.14	0.72	ppb
Beryllium	9-1	97.77	99.95	99.01	98.91	1.11	ppb
Bismuth	209-1				114		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	95.20	96.29	95.92	95.81	0.58	ppb
Cadmium	106-1	96.36	92.32	96.04	94.91	2.37	ppb
Cadmium	111-1	95.06	94.45	94.06	94.52	0.53	ppb
Calcium	43-1	71074.07	71565.40	73184.93	71941.47	1.54	ppb
Calcium	44-1	70905.51	71365.66	72125.75	71465.64	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	89.62	88.78	88.86	89.09	0.52	ppb
Cobalt	59-2	117.80	116.79	116.21	116.93	0.69	ppb
Copper	63-2	1041.47	1037.45	1027.39	1035.44	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				113		%
Indium	115-1				116		%
Indium	115-2				111		%
Iron	56-2	7346.86	7335.16	7424.10	7368.70	0.66	ppb
Iron	57-2	6887.41	6830.24	6851.34	6856.33	0.42	ppb
Iron	54-2	6756.78	6692.51	6641.16	6696.82	0.87	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:21:42	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	485.51	478.66	477.00	480.39	0.94	ppb
Lead	207-1	483.50	481.23	478.60	481.11	0.51	ppb
Lead	208-1	479.73	479.00	472.99	477.24	0.77	ppb
Lithium	6-1				88		%
Magnesium	24-2	23359.10	22340.91	23032.79	22910.93	2.27	ppb
Manganese	55-2	3742.24	3752.95	3719.32	3738.17	0.46	ppb
Molybdenum	94-1	354.07	350.06	355.63	353.25	0.81	ppb
Molybdenum	95-1	268.07	267.66	268.56	268.10	0.17	ppb
Molybdenum	96-1	278.20	276.51	283.32	279.34	1.27	ppb
Molybdenum	97-1	271.95	268.77	275.73	272.15	1.28	ppb
Molybdenum	98-1	306.90	302.95	312.16	307.34	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	123.25	123.41	123.25	123.30	0.07	ppb
Phosphorus	31-2	1720.19	1748.38	1717.67	1728.75	0.99	ppb
Potassium	39-2	12849.71	12712.34	13043.13	12868.40	1.29	ppb
Rhodium	103-1				114		%
Rhodium	103-2				113		%
Scandium	45-1				109		%
Scandium	45-2				104		%
Selenium	82-1	90.18	88.83	88.12	89.05	1.17	ppb
Selenium	77-2	94.28	98.84	97.74	96.95	2.45	ppb
Selenium	78-2	88.03	86.29	87.28	87.20	1.00	ppb
Silicon	28-1	449.27	464.59	458.42	457.43	1.68	ppb
Silver	107-1	15.43	15.82	15.52	15.59	1.32	ppb
Silver	109-1	14.01	14.35	14.05	14.14	1.29	ppb
Sodium	23-2	11077.44	10818.28	11056.31	10984.01	1.31	ppb
Strontium	86-1	242.97	244.17	242.78	243.31	0.31	ppb
Strontium	88-1	271.66	274.31	272.14	272.70	0.52	ppb
Sulfur	34-1	109988.53	110189.42	108379.36	109519.10	0.91	ppb
Terbium	159-1				115		%
Terbium	159-2				115		%
Thallium	203-1	78.15	78.74	78.73	78.54	0.43	ppb
Thallium	205-1	76.61	77.82	76.40	76.95	0.99	ppb
Tin	118-1	73.45	73.99	72.90	73.44	0.75	ppb
Titanium	47-1	3.02	3.10	2.96	3.03	2.30	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:21:42	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	72.16	72.36	71.85	72.12	0.36	ppb
Vanadium	51-2	103.73	103.68	103.63	103.68	0.05	ppb
Yttrium	89-1				127		%
Yttrium	89-2				122		%
Zinc	66-2	1221.24	1212.72	1219.25	1217.74	0.37	ppb
Zirconium	90-1	71.82	71.89	72.26	71.99	0.33	ppb
Zirconium	91-1	74.44	75.17	76.28	75.30	1.24	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937TB	Instrumnet Name :	P7
Client Sample ID :	PB168937TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:24:41	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.20	0.34	-0.25	-0.04		ppb
Antimony	121-1	0.01	0.00	0.01	0.01	37.92	ppb
Arsenic	75-2	-0.02	-0.02	-0.03	-0.02		ppb
Barium	135-1	0.01	0.00	0.00	0.00	402.01	ppb
Barium	137-1	0.01	0.00	0.00	0.00	69.16	ppb
Beryllium	9-1	0.00	0.01	0.01	0.00	76.67	ppb
Bismuth	209-1				110		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.07	0.01	0.03	142.27	ppb
Cadmium	106-1	-1.65	-1.11	-1.53	-1.43		ppb
Cadmium	111-1	-0.10	-0.08	-0.10	-0.09		ppb
Calcium	43-1	-2.04	-2.02	1.16	-0.97		ppb
Calcium	44-1	9.69	7.44	8.40	8.51	13.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.05	0.10	0.05	87.58	ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.30	0.35	0.37	0.34	11.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				109		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	1.09	0.76	0.71	0.85	24.21	ppb
Iron	57-2	0.54	0.61	0.69	0.61	12.16	ppb
Iron	54-2	1.39	0.13	0.42	0.65	101.98	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937TB	Instrumnet Name :	P7
Client Sample ID :	PB168937TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:24:41	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.02	0.01	0.01	167.62	ppb
Lead	207-1	0.01	0.00	0.00	0.01	70.96	ppb
Lead	208-1	0.02	0.02	0.01	0.02	35.75	ppb
Lithium	6-1				84		%
Magnesium	24-2	0.10	0.14	0.17	0.14	24.38	ppb
Manganese	55-2	0.07	0.08	0.05	0.07	19.08	ppb
Molybdenum	94-1	0.07	0.03	0.06	0.06	35.69	ppb
Molybdenum	95-1	0.02	0.02	0.01	0.01	50.48	ppb
Molybdenum	96-1	0.02	0.02	0.03	0.03	17.78	ppb
Molybdenum	97-1	0.04	0.07	0.03	0.05	46.41	ppb
Molybdenum	98-1	0.01	0.01	0.00	0.01	48.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.02	-0.02	0.01	200.83	ppb
Phosphorus	31-2	-175.07	-170.62	-167.88	-171.19		ppb
Potassium	39-2	6.85	8.87	6.16	7.29	19.32	ppb
Rhodium	103-1				113		%
Rhodium	103-2				113		%
Scandium	45-1				108		%
Scandium	45-2				102		%
Selenium	82-1	1.20	0.29	0.55	0.68	69.20	ppb
Selenium	77-2	-0.26	-0.03	-0.03	-0.11		ppb
Selenium	78-2	-1.28	-1.34	-1.28	-1.30		ppb
Silicon	28-1	-0.83	-1.25	-0.82	-0.96		ppb
Silver	107-1	0.03	0.02	0.03	0.02	17.41	ppb
Silver	109-1	0.02	0.03	0.02	0.02	23.94	ppb
Sodium	23-2	7.57	7.08	7.65	7.43	4.14	ppb
Strontium	86-1	0.02	-0.01	0.03	0.01	188.69	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	48.39	ppb
Sulfur	34-1	-2134.13	-2383.66	-2159.63	-2225.81		ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.03	0.03	0.03	0.03	13.23	ppb
Thallium	205-1	0.04	0.03	0.03	0.03	18.34	ppb
Tin	118-1	-0.09	-0.04	-0.08	-0.07		ppb
Titanium	47-1	-0.03	-0.02	0.00	-0.02		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937TB	Instrumnet Name :	P7
Client Sample ID :	PB168937TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:24:41	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	30.32	ppb
Vanadium	51-2	0.00	0.01	0.00	0.00	63.60	ppb
Yttrium	89-1				113		%
Yttrium	89-2				113		%
Zinc	66-2	0.25	0.32	0.26	0.28	13.47	ppb
Zirconium	90-1	0.04	0.03	0.05	0.04	16.54	ppb
Zirconium	91-1	0.05	0.05	0.06	0.05	7.82	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:27:59	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18439.55	18599.96	18695.19	18578.23	0.70	ppb
Antimony	121-1	0.19	0.20	0.20	0.19	2.07	ppb
Arsenic	75-2	10.34	10.88	9.93	10.38	4.59	ppb
Barium	135-1	21.44	22.56	22.07	22.02	2.55	ppb
Barium	137-1	22.44	22.26	22.19	22.30	0.56	ppb
Beryllium	9-1	-1.57	-1.67	-1.55	-1.60		ppb
Bismuth	209-1				109		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.42	1.77	2.10	1.76	19.11	ppb
Cadmium	106-1	3.31	2.12	2.35	2.60	24.29	ppb
Cadmium	111-1	1.93	1.85	1.81	1.86	3.19	ppb
Calcium	43-1	45844.50	47036.72	47900.91	46927.38	2.20	ppb
Calcium	44-1	51285.10	53053.68	54151.37	52830.05	2.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.62	9.82	9.72	9.72	1.01	ppb
Cobalt	59-2	44.38	44.98	44.78	44.71	0.68	ppb
Copper	63-2	81.39	83.97	82.76	82.71	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				111		%
Holmium	165-2				112		%
Indium	115-1				113		%
Indium	115-2				112		%
Iron	56-2	3640.42	3673.18	3628.14	3647.25	0.64	ppb
Iron	57-2	3452.74	3515.13	3497.63	3488.50	0.92	ppb
Iron	54-2	3280.01	3306.78	3307.10	3297.96	0.47	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:27:59	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.51	15.65	15.58	15.58	0.47	ppb
Lead	207-1	14.28	14.32	14.00	14.20	1.21	ppb
Lead	208-1	14.50	14.53	14.46	14.50	0.25	ppb
Lithium	6-1				83		%
Magnesium	24-2	6422.45	6371.55	6386.07	6393.36	0.41	ppb
Manganese	55-2	3264.22	3241.18	3248.28	3251.23	0.36	ppb
Molybdenum	94-1	0.48	0.51	0.42	0.47	9.73	ppb
Molybdenum	95-1	0.08	0.09	0.08	0.08	10.09	ppb
Molybdenum	96-1	0.10	0.10	0.10	0.10	2.61	ppb
Molybdenum	97-1	0.04	0.03	0.04	0.04	15.33	ppb
Molybdenum	98-1	0.03	0.05	0.04	0.04	19.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.96	40.78	40.42	40.39	1.02	ppb
Phosphorus	31-2	1762.08	1754.04	1741.27	1752.46	0.60	ppb
Potassium	39-2	8065.91	7964.02	8030.19	8020.04	0.64	ppb
Rhodium	103-1				112		%
Rhodium	103-2				112		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	1.70	1.61	1.79	1.70	5.19	ppb
Selenium	77-2	18.63	23.31	20.05	20.66	11.62	ppb
Selenium	78-2	2.55	3.08	5.18	3.60	38.62	ppb
Silicon	28-1	568.46	588.10	597.49	584.68	2.53	ppb
Silver	107-1	0.09	0.09	0.09	0.09	3.51	ppb
Silver	109-1	0.03	0.02	0.03	0.03	8.50	ppb
Sodium	23-2	1692.45	1716.79	1698.98	1702.74	0.74	ppb
Strontium	86-1	175.03	177.02	177.12	176.39	0.67	ppb
Strontium	88-1	197.60	198.35	195.32	197.09	0.80	ppb
Sulfur	34-1	99667.79	104159.51	104902.87	102910.06	2.75	ppb
Terbium	159-1				112		%
Terbium	159-2				114		%
Thallium	203-1	0.12	0.16	0.13	0.14	14.80	ppb
Thallium	205-1	0.15	0.15	0.15	0.15	1.71	ppb
Tin	118-1	-0.05	-0.03	-0.04	-0.04		ppb
Titanium	47-1	2.63	2.63	2.89	2.72	5.58	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:27:59	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.03	3.02	2.96	3.00	1.18	ppb
Vanadium	51-2	23.25	23.60	23.73	23.52	1.07	ppb
Yttrium	89-1				133		%
Yttrium	89-2				132		%
Zinc	66-2	313.37	318.14	315.52	315.68	0.76	ppb
Zirconium	90-1	0.24	0.23	0.25	0.24	4.08	ppb
Zirconium	91-1	0.24	0.23	0.27	0.24	8.61	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:31:06	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20519.27	21098.13	20629.10	20748.83	1.48	ppb
Antimony	121-1	0.21	0.22	0.21	0.21	1.66	ppb
Arsenic	75-2	11.65	12.12	11.49	11.75	2.76	ppb
Barium	135-1	25.06	25.47	24.97	25.17	1.05	ppb
Barium	137-1	25.92	25.93	25.35	25.73	1.30	ppb
Beryllium	9-1	-2.15	-2.15	-2.27	-2.19		ppb
Bismuth	209-1				110		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.25	2.89	1.60	2.25	28.64	ppb
Cadmium	106-1	4.22	3.67	2.95	3.61	17.56	ppb
Cadmium	111-1	1.93	2.06	2.01	2.00	3.16	ppb
Calcium	43-1	59014.67	59585.86	60875.36	59825.29	1.59	ppb
Calcium	44-1	58556.01	59795.28	61250.69	59867.32	2.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.78	11.09	10.82	10.90	1.57	ppb
Cobalt	59-2	51.62	51.35	50.97	51.31	0.63	ppb
Copper	63-2	94.61	93.99	92.23	93.61	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				113		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				113		%
Iron	56-2	4142.45	4225.34	4105.64	4157.81	1.47	ppb
Iron	57-2	3934.53	3986.00	3952.55	3957.69	0.66	ppb
Iron	54-2	3794.53	3843.20	3778.05	3805.26	0.89	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:31:06	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	17.17	17.76	17.68	17.53	1.83	ppb
Lead	207-1	15.78	16.10	16.17	16.02	1.31	ppb
Lead	208-1	16.09	16.45	16.44	16.33	1.27	ppb
Lithium	6-1				82		%
Magnesium	24-2	7148.52	7307.80	7214.24	7223.52	1.11	ppb
Manganese	55-2	3652.81	3769.22	3622.93	3681.65	2.10	ppb
Molybdenum	94-1	0.36	0.47	0.53	0.45	18.97	ppb
Molybdenum	95-1	0.09	0.08	0.10	0.09	11.30	ppb
Molybdenum	96-1	0.12	0.12	0.10	0.11	11.43	ppb
Molybdenum	97-1	0.05	0.09	0.07	0.07	27.82	ppb
Molybdenum	98-1	0.03	0.03	0.04	0.03	16.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	46.38	46.58	45.83	46.26	0.84	ppb
Phosphorus	31-2	1911.10	1919.39	1961.56	1930.68	1.40	ppb
Potassium	39-2	9275.20	9160.46	9001.50	9145.72	1.50	ppb
Rhodium	103-1				115		%
Rhodium	103-2				112		%
Scandium	45-1				110		%
Scandium	45-2				104		%
Selenium	82-1	2.76	2.07	2.33	2.39	14.58	ppb
Selenium	77-2	26.12	20.92	26.50	24.52	12.72	ppb
Selenium	78-2	4.40	5.84	3.57	4.60	24.98	ppb
Silicon	28-1	645.58	667.19	677.68	663.48	2.47	ppb
Silver	107-1	0.09	0.09	0.09	0.09	0.83	ppb
Silver	109-1	0.03	0.03	0.03	0.03	11.01	ppb
Sodium	23-2	2267.81	2286.24	2210.02	2254.69	1.76	ppb
Strontium	86-1	193.09	197.17	197.28	195.84	1.22	ppb
Strontium	88-1	218.06	222.01	225.16	221.74	1.60	ppb
Sulfur	34-1	113892.78	117688.85	119817.04	117132.89	2.56	ppb
Terbium	159-1				113		%
Terbium	159-2				114		%
Thallium	203-1	0.16	0.14	0.15	0.15	5.88	ppb
Thallium	205-1	0.15	0.17	0.16	0.16	6.47	ppb
Tin	118-1	0.00	-0.02	-0.01	-0.01		ppb
Titanium	47-1	3.32	3.20	3.26	3.26	1.75	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:31:06	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.33	3.41	3.36	3.37	1.19	ppb
Vanadium	51-2	26.36	27.13	26.47	26.65	1.57	ppb
Yttrium	89-1				139		%
Yttrium	89-2				136		%
Zinc	66-2	362.04	358.27	360.35	360.22	0.52	ppb
Zirconium	90-1	0.22	0.21	0.23	0.22	3.83	ppb
Zirconium	91-1	0.23	0.29	0.22	0.25	14.42	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 19:34:14	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2881.20	2886.91	2882.31	2883.47	0.11	ppb
Antimony	121-1	0.03	0.04	0.04	0.04	11.60	ppb
Arsenic	75-2	2.10	2.35	2.05	2.17	7.37	ppb
Barium	135-1	4.00	4.30	4.25	4.18	3.80	ppb
Barium	137-1	3.99	4.13	4.32	4.15	3.96	ppb
Beryllium	9-1	-0.20	-0.22	-0.22	-0.21		ppb
Bismuth	209-1				112		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.74	0.25	0.35	0.45	58.04	ppb
Cadmium	106-1	-0.30	-0.54	-0.80	-0.55		ppb
Cadmium	111-1	0.22	0.29	0.22	0.24	16.68	ppb
Calcium	43-1	8413.47	8480.13	8761.99	8551.86	2.16	ppb
Calcium	44-1	9393.19	9742.52	9573.92	9569.88	1.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.84	1.69	1.85	1.80	5.07	ppb
Cobalt	59-2	8.23	8.05	8.27	8.18	1.46	ppb
Copper	63-2	15.40	15.21	14.95	15.18	1.48	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				113		%
Holmium	165-2				113		%
Indium	115-1				118		%
Indium	115-2				114		%
Iron	56-2	660.12	664.15	670.58	664.95	0.79	ppb
Iron	57-2	630.00	636.42	640.63	635.68	0.84	ppb
Iron	54-2	599.99	598.70	604.32	601.00	0.49	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 19:34:14	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.85	2.74	2.68	2.76	3.10	ppb
Lead	207-1	2.40	2.45	2.46	2.44	1.30	ppb
Lead	208-1	2.54	2.51	2.56	2.54	0.91	ppb
Lithium	6-1				83		%
Magnesium	24-2	990.70	979.87	997.23	989.27	0.89	ppb
Manganese	55-2	586.82	584.40	599.06	590.09	1.33	ppb
Molybdenum	94-1	0.06	0.07	0.10	0.08	26.05	ppb
Molybdenum	95-1	0.01	0.02	0.02	0.02	28.13	ppb
Molybdenum	96-1	0.01	0.04	0.03	0.03	52.96	ppb
Molybdenum	97-1	0.03	0.02	0.03	0.03	22.48	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	507.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.42	7.31	7.39	7.37	0.76	ppb
Phosphorus	31-2	152.92	152.07	186.09	163.69	11.85	ppb
Potassium	39-2	1308.25	1310.26	1332.93	1317.15	1.04	ppb
Rhodium	103-1				114		%
Rhodium	103-2				115		%
Scandium	45-1				111		%
Scandium	45-2				105		%
Selenium	82-1	0.99	0.07	0.53	0.53	87.29	ppb
Selenium	77-2	3.69	2.88	3.30	3.29	12.31	ppb
Selenium	78-2	1.39	1.75	0.55	1.23	50.02	ppb
Silicon	28-1	109.66	112.98	109.50	110.71	1.77	ppb
Silver	107-1	0.02	0.02	0.02	0.02	11.12	ppb
Silver	109-1	0.01	0.01	0.02	0.01	41.28	ppb
Sodium	23-2	310.83	307.87	312.96	310.56	0.82	ppb
Strontium	86-1	34.96	34.97	35.50	35.14	0.88	ppb
Strontium	88-1	33.94	33.87	35.29	34.37	2.33	ppb
Sulfur	34-1	12083.42	12487.86	12467.76	12346.35	1.85	ppb
Terbium	159-1				111		%
Terbium	159-2				113		%
Thallium	203-1	0.05	0.05	0.04	0.04	11.82	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	2.06	ppb
Tin	118-1	-0.08	-0.07	-0.06	-0.07		ppb
Titanium	47-1	0.45	0.51	0.47	0.48	6.29	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 19:34:14	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.51	0.52	0.52	0.52	0.92	ppb
Vanadium	51-2	4.22	4.28	4.30	4.27	0.97	ppb
Yttrium	89-1				123		%
Yttrium	89-2				119		%
Zinc	66-2	58.04	57.77	57.61	57.80	0.37	ppb
Zirconium	90-1	0.04	0.05	0.04	0.04	7.68	ppb
Zirconium	91-1	0.05	0.05	0.06	0.05	18.05	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:37:28	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11906.63	11904.80	11851.39	11887.60	0.26	ppb
Antimony	121-1	53.97	55.67	56.87	55.50	2.63	ppb
Arsenic	75-2	69.99	70.80	68.30	69.70	1.83	ppb
Barium	135-1	251.53	257.86	261.35	256.91	1.94	ppb
Barium	137-1	256.03	263.51	265.05	261.53	1.85	ppb
Beryllium	9-1	64.38	65.94	64.61	64.97	1.30	ppb
Bismuth	209-1				109		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	61.78	64.86	66.09	64.24	3.45	ppb
Cadmium	106-1	64.79	67.48	65.11	65.79	2.23	ppb
Cadmium	111-1	61.67	65.41	63.48	63.52	2.94	ppb
Calcium	43-1	31624.86	33617.12	32631.81	32624.60	3.05	ppb
Calcium	44-1	35268.26	36832.52	36249.80	36116.86	2.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	60.84	62.18	61.63	61.55	1.09	ppb
Cobalt	59-2	83.30	85.42	84.78	84.50	1.29	ppb
Copper	63-2	718.76	747.11	743.15	736.34	2.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				112		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	4808.27	5034.84	4927.86	4923.66	2.30	ppb
Iron	57-2	4486.86	4615.44	4527.11	4543.14	1.45	ppb
Iron	54-2	4470.98	4535.50	4491.56	4499.35	0.73	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:37:28	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	267.94	268.19	270.22	268.78	0.46	ppb
Lead	207-1	261.33	260.60	261.91	261.28	0.25	ppb
Lead	208-1	292.42	292.25	297.36	294.01	0.99	ppb
Lithium	6-1				82		%
Magnesium	24-2	9336.09	9662.07	9384.68	9460.95	1.86	ppb
Manganese	55-2	2551.62	2627.44	2538.28	2572.45	1.87	ppb
Molybdenum	94-1	227.78	231.44	234.81	231.34	1.52	ppb
Molybdenum	95-1	171.36	176.25	177.29	174.97	1.81	ppb
Molybdenum	96-1	178.74	183.13	185.07	182.31	1.78	ppb
Molybdenum	97-1	174.79	178.69	178.15	177.21	1.19	ppb
Molybdenum	98-1	172.73	177.44	178.98	176.39	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	86.22	87.96	87.13	87.11	1.00	ppb
Phosphorus	31-2	946.00	946.15	900.06	930.74	2.85	ppb
Potassium	39-2	7323.53	7543.31	7370.20	7412.35	1.56	ppb
Rhodium	103-1				116		%
Rhodium	103-2				114		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	82-1	57.90	58.89	60.19	58.99	1.95	ppb
Selenium	77-2	70.75	72.13	75.15	72.68	3.10	ppb
Selenium	78-2	62.13	62.44	60.47	61.68	1.72	ppb
Silicon	28-1	350.34	373.66	359.95	361.31	3.24	ppb
Silver	107-1	10.24	10.72	10.89	10.62	3.16	ppb
Silver	109-1	9.27	9.73	9.93	9.64	3.48	ppb
Sodium	23-2	6718.94	6905.99	6808.95	6811.30	1.37	ppb
Strontium	86-1	166.79	169.45	171.20	169.15	1.31	ppb
Strontium	88-1	187.93	190.68	190.80	189.80	0.85	ppb
Sulfur	34-1	58733.34	62182.89	59453.72	60123.32	3.03	ppb
Terbium	159-1				112		%
Terbium	159-2				115		%
Thallium	203-1	51.56	52.33	52.95	52.28	1.33	ppb
Thallium	205-1	51.22	50.80	52.11	51.38	1.30	ppb
Tin	118-1	48.20	50.16	50.69	49.68	2.64	ppb
Titanium	47-1	1.82	1.97	2.04	1.94	5.88	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:37:28	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	48.24	48.01	49.09	48.45	1.17	ppb
Vanadium	51-2	70.51	71.66	71.32	71.16	0.83	ppb
Yttrium	89-1				129		%
Yttrium	89-2				127		%
Zinc	66-2	779.65	804.41	786.26	790.11	1.62	ppb
Zirconium	90-1	45.96	47.13	47.72	46.94	1.91	ppb
Zirconium	91-1	48.84	49.00	49.64	49.16	0.86	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:40:34	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10908.92	11204.82	11068.56	11060.77	1.34	ppb
Antimony	121-1	50.73	51.77	51.85	51.45	1.22	ppb
Arsenic	75-2	68.41	71.03	69.30	69.58	1.91	ppb
Barium	135-1	236.86	243.72	241.89	240.82	1.47	ppb
Barium	137-1	242.42	245.03	244.27	243.91	0.55	ppb
Beryllium	9-1	61.54	60.93	60.38	60.95	0.96	ppb
Bismuth	209-1				111		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	62.56	60.82	56.55	59.98	5.15	ppb
Cadmium	106-1	63.08	62.83	59.53	61.81	3.20	ppb
Cadmium	111-1	58.72	60.22	59.80	59.58	1.30	ppb
Calcium	43-1	30882.40	31229.27	30998.46	31036.71	0.57	ppb
Calcium	44-1	33829.57	34569.25	33862.42	34087.08	1.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58.32	58.49	58.01	58.27	0.42	ppb
Cobalt	59-2	79.52	79.46	80.16	79.71	0.49	ppb
Copper	63-2	692.82	690.68	686.04	689.84	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				113		%
Iron	56-2	4628.03	4686.21	4631.36	4648.54	0.70	ppb
Iron	57-2	4286.66	4256.60	4288.25	4277.17	0.42	ppb
Iron	54-2	4253.98	4259.65	4238.06	4250.56	0.26	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:40:34	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	255.94	246.41	252.55	251.63	1.92	ppb
Lead	207-1	246.95	238.84	244.75	243.52	1.72	ppb
Lead	208-1	272.95	269.41	275.82	272.73	1.18	ppb
Lithium	6-1				82		%
Magnesium	24-2	8952.24	8878.05	8941.19	8923.83	0.45	ppb
Manganese	55-2	2465.05	2461.56	2440.78	2455.80	0.53	ppb
Molybdenum	94-1	216.46	218.32	221.37	218.72	1.13	ppb
Molybdenum	95-1	162.59	167.79	167.75	166.04	1.80	ppb
Molybdenum	96-1	169.61	172.67	173.98	172.09	1.30	ppb
Molybdenum	97-1	165.27	167.84	168.60	167.23	1.04	ppb
Molybdenum	98-1	163.06	167.31	166.50	165.62	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	81.91	81.71	82.61	82.08	0.57	ppb
Phosphorus	31-2	917.46	877.12	853.72	882.77	3.65	ppb
Potassium	39-2	6983.97	6932.04	6963.94	6959.98	0.38	ppb
Rhodium	103-1				115		%
Rhodium	103-2				113		%
Scandium	45-1				109		%
Scandium	45-2				104		%
Selenium	82-1	53.16	53.81	56.24	54.40	2.98	ppb
Selenium	77-2	64.05	72.81	64.65	67.17	7.29	ppb
Selenium	78-2	57.96	55.32	56.71	56.67	2.33	ppb
Silicon	28-1	343.09	346.14	344.97	344.73	0.45	ppb
Silver	107-1	9.65	10.14	10.06	9.95	2.63	ppb
Silver	109-1	8.77	9.09	9.02	8.96	1.84	ppb
Sodium	23-2	6469.66	6441.87	6370.90	6427.48	0.79	ppb
Strontium	86-1	156.60	161.24	161.98	159.94	1.82	ppb
Strontium	88-1	177.48	180.87	180.27	179.54	1.01	ppb
Sulfur	34-1	57915.13	59954.00	56346.67	58071.94	3.11	ppb
Terbium	159-1				113		%
Terbium	159-2				114		%
Thallium	203-1	49.53	48.01	49.48	49.01	1.76	ppb
Thallium	205-1	48.51	47.01	47.85	47.79	1.57	ppb
Tin	118-1	46.51	46.78	46.67	46.65	0.30	ppb
Titanium	47-1	1.78	1.73	1.68	1.73	2.81	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:40:34	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	45.32	44.76	45.01	45.03	0.63	ppb
Vanadium	51-2	67.08	67.35	67.35	67.26	0.23	ppb
Yttrium	89-1				129		%
Yttrium	89-2				123		%
Zinc	66-2	743.80	746.61	747.15	745.85	0.24	ppb
Zirconium	90-1	43.76	45.03	45.17	44.65	1.74	ppb
Zirconium	91-1	45.81	46.45	46.80	46.35	1.08	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:43:40	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10119.67	10476.29	10220.30	10272.09	1.79	ppb
Antimony	121-1	47.80	46.98	48.24	47.67	1.34	ppb
Arsenic	75-2	63.84	65.19	65.46	64.83	1.34	ppb
Barium	135-1	220.05	218.32	225.19	221.18	1.62	ppb
Barium	137-1	222.67	222.18	227.85	224.23	1.40	ppb
Beryllium	9-1	55.25	55.90	56.52	55.89	1.14	ppb
Bismuth	209-1				111		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	54.89	54.15	54.00	54.35	0.87	ppb
Cadmium	106-1	57.36	56.74	58.41	57.50	1.46	ppb
Cadmium	111-1	55.51	53.96	55.58	55.02	1.66	ppb
Calcium	43-1	28231.24	28227.48	28813.06	28423.93	1.19	ppb
Calcium	44-1	30905.02	31184.37	32081.35	31390.25	1.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	53.44	53.46	52.86	53.25	0.64	ppb
Cobalt	59-2	73.42	73.15	73.63	73.40	0.33	ppb
Copper	63-2	646.11	637.26	639.11	640.83	0.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				112		%
Indium	115-1				114		%
Indium	115-2				110		%
Iron	56-2	4256.72	4183.59	4348.59	4262.97	1.94	ppb
Iron	57-2	3948.40	3982.83	3960.63	3963.96	0.44	ppb
Iron	54-2	3860.63	3884.96	3894.12	3879.91	0.45	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:43:40	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	230.49	226.30	238.51	231.76	2.68	ppb
Lead	207-1	223.24	221.62	230.77	225.21	2.17	ppb
Lead	208-1	251.19	248.48	256.99	252.22	1.72	ppb
Lithium	6-1				83		%
Magnesium	24-2	8341.14	8203.57	8441.55	8328.75	1.43	ppb
Manganese	55-2	2272.46	2257.25	2246.84	2258.85	0.57	ppb
Molybdenum	94-1	204.61	201.40	207.48	204.50	1.49	ppb
Molybdenum	95-1	153.79	152.97	156.15	154.30	1.07	ppb
Molybdenum	96-1	161.73	159.30	161.89	160.97	0.90	ppb
Molybdenum	97-1	157.03	155.27	158.84	157.05	1.14	ppb
Molybdenum	98-1	155.26	154.98	158.67	156.30	1.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	75.81	75.87	76.16	75.95	0.25	ppb
Phosphorus	31-2	801.93	801.79	766.47	790.06	2.59	ppb
Potassium	39-2	6399.64	6448.15	6405.91	6417.90	0.41	ppb
Rhodium	103-1				114		%
Rhodium	103-2				112		%
Scandium	45-1				110		%
Scandium	45-2				103		%
Selenium	82-1	51.79	51.30	51.99	51.69	0.69	ppb
Selenium	77-2	54.14	62.26	55.45	57.28	7.61	ppb
Selenium	78-2	53.15	52.79	53.88	53.27	1.04	ppb
Silicon	28-1	311.31	311.19	318.80	313.77	1.39	ppb
Silver	107-1	9.08	9.10	9.40	9.19	2.01	ppb
Silver	109-1	8.20	8.26	8.38	8.28	1.10	ppb
Sodium	23-2	5915.06	5887.13	5899.96	5900.72	0.24	ppb
Strontium	86-1	148.72	148.86	149.40	149.00	0.24	ppb
Strontium	88-1	164.02	166.17	166.18	165.46	0.75	ppb
Sulfur	34-1	52570.25	52679.52	54221.43	53157.07	1.74	ppb
Terbium	159-1				113		%
Terbium	159-2				113		%
Thallium	203-1	45.55	44.00	46.89	45.48	3.18	ppb
Thallium	205-1	44.13	43.15	45.48	44.26	2.64	ppb
Tin	118-1	42.59	42.19	43.58	42.79	1.67	ppb
Titanium	47-1	1.78	1.55	1.63	1.65	6.78	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:43:40	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	41.59	40.68	42.71	41.66	2.45	ppb
Vanadium	51-2	61.75	61.47	61.22	61.48	0.42	ppb
Yttrium	89-1				126		%
Yttrium	89-2				123		%
Zinc	66-2	682.77	686.74	683.26	684.26	0.32	ppb
Zirconium	90-1	41.62	41.18	42.03	41.61	1.02	ppb
Zirconium	91-1	43.56	43.17	43.90	43.54	0.84	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:46:47	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12633.52	12818.62	12357.48	12603.21	1.84	ppb
Antimony	121-1	0.11	0.12	0.12	0.12	4.67	ppb
Arsenic	75-2	6.21	6.28	6.42	6.31	1.67	ppb
Barium	135-1	11.86	12.21	12.48	12.19	2.56	ppb
Barium	137-1	12.05	12.14	12.55	12.25	2.20	ppb
Beryllium	9-1	0.17	0.32	0.41	0.30	40.64	ppb
Bismuth	209-1				111		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.97	1.47	1.15	1.20	21.36	ppb
Cadmium	106-1	1.19	0.93	1.80	1.31	34.17	ppb
Cadmium	111-1	1.24	1.21	1.30	1.25	3.37	ppb
Calcium	43-1	22086.71	22454.72	22655.91	22399.12	1.29	ppb
Calcium	44-1	24550.95	24837.74	25822.10	25070.26	2.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.27	6.36	6.47	6.37	1.62	ppb
Cobalt	59-2	31.15	31.14	30.61	30.97	1.00	ppb
Copper	63-2	55.51	56.75	55.72	55.99	1.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				112		%
Indium	115-1				116		%
Indium	115-2				113		%
Iron	56-2	1903.80	1927.91	1877.91	1903.21	1.31	ppb
Iron	57-2	1803.16	1821.89	1808.90	1811.32	0.53	ppb
Iron	54-2	1728.99	1724.70	1728.71	1727.47	0.14	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:46:47	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	8.93	8.70	8.92	8.85	1.47	ppb
Lead	207-1	8.13	8.03	8.11	8.09	0.67	ppb
Lead	208-1	8.30	8.18	8.24	8.24	0.72	ppb
Lithium	6-1				83		%
Magnesium	24-2	3880.37	3969.75	3890.78	3913.63	1.25	ppb
Manganese	55-2	2305.39	2275.82	2264.99	2282.07	0.92	ppb
Molybdenum	94-1	0.40	0.35	0.36	0.37	7.44	ppb
Molybdenum	95-1	0.04	0.07	0.05	0.05	31.31	ppb
Molybdenum	96-1	0.07	0.08	0.08	0.08	7.73	ppb
Molybdenum	97-1	0.05	0.07	0.08	0.07	17.92	ppb
Molybdenum	98-1	0.02	0.03	0.01	0.02	36.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.41	28.16	28.12	28.23	0.56	ppb
Phosphorus	31-2	955.33	897.91	892.53	915.26	3.80	ppb
Potassium	39-2	5159.83	5226.21	5171.45	5185.83	0.68	ppb
Rhodium	103-1				115		%
Rhodium	103-2				113		%
Scandium	45-1				111		%
Scandium	45-2				104		%
Selenium	82-1	1.96	1.11	1.73	1.60	27.25	ppb
Selenium	77-2	14.33	15.24	16.69	15.42	7.71	ppb
Selenium	78-2	1.77	2.35	2.69	2.27	20.40	ppb
Silicon	28-1	402.66	408.12	408.16	406.31	0.78	ppb
Silver	107-1	0.06	0.06	0.07	0.06	2.24	ppb
Silver	109-1	0.03	0.03	0.03	0.03	5.35	ppb
Sodium	23-2	1100.32	1117.30	1108.89	1108.84	0.77	ppb
Strontium	86-1	65.43	66.62	67.39	66.48	1.48	ppb
Strontium	88-1	74.16	74.94	74.88	74.66	0.58	ppb
Sulfur	34-1	57176.75	57184.07	57557.40	57306.07	0.38	ppb
Terbium	159-1				112		%
Terbium	159-2				113		%
Thallium	203-1	0.10	0.10	0.10	0.10	0.87	ppb
Thallium	205-1	0.10	0.10	0.11	0.10	6.53	ppb
Tin	118-1	-0.06	-0.03	-0.05	-0.05		ppb
Titanium	47-1	1.74	1.68	1.66	1.69	2.29	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:46:47	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.85	1.84	1.90	1.86	1.85	ppb
Vanadium	51-2	15.07	15.33	15.17	15.19	0.84	ppb
Yttrium	89-1				130		%
Yttrium	89-2				126		%
Zinc	66-2	197.39	198.13	197.00	197.51	0.29	ppb
Zirconium	90-1	0.19	0.19	0.19	0.19	0.82	ppb
Zirconium	91-1	0.22	0.22	0.22	0.22	0.20	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:53:19	DataFile Name :	064CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47504.03	47360.23	47489.45	47451.24	0.17	ppb
Antimony	121-1	552.15	547.52	535.23	544.97	1.60	ppb
Arsenic	75-2	488.62	482.17	482.91	484.57	0.73	ppb
Barium	135-1	2584.48	2514.13	2523.63	2540.74	1.50	ppb
Barium	137-1	2540.98	2546.69	2552.20	2546.62	0.22	ppb
Beryllium	9-1	522.07	531.21	536.11	529.80	1.35	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	508.43	511.44	502.20	507.36	0.93	ppb
Cadmium	106-1	509.86	517.65	512.96	513.49	0.76	ppb
Cadmium	111-1	493.23	495.92	493.77	494.31	0.29	ppb
Calcium	43-1	250180.31	245164.67	252508.49	249284.49	1.51	ppb
Calcium	44-1	247824.49	246007.25	256704.99	250178.91	2.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	515.94	526.91	520.11	520.99	1.06	ppb
Cobalt	59-2	528.81	517.42	516.72	520.99	1.30	ppb
Copper	63-2	5412.13	5348.10	5356.95	5372.40	0.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				112		%
Iron	56-2	128902.14	127524.97	125218.95	127215.35	1.46	ppb
Iron	57-2	131461.39	127985.09	127505.61	128984.03	1.67	ppb
Iron	54-2	128694.82	127451.74	126411.15	127519.23	0.90	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:53:19	DataFile Name :	064CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2607.87	2575.91	2642.93	2608.91	1.28	ppb
Lead	207-1	2531.78	2541.54	2567.95	2547.09	0.73	ppb
Lead	208-1	2558.03	2550.59	2577.39	2562.00	0.54	ppb
Lithium	6-1				87		%
Magnesium	24-2	241824.41	240844.13	247740.44	243469.66	1.53	ppb
Manganese	55-2	5165.06	5144.79	5143.88	5151.24	0.23	ppb
Molybdenum	94-1	4947.29	5083.69	4941.48	4990.82	1.61	ppb
Molybdenum	95-1	4998.72	5102.22	4969.93	5023.62	1.38	ppb
Molybdenum	96-1	5007.97	5119.38	5066.15	5064.50	1.10	ppb
Molybdenum	97-1	5004.88	5071.09	4930.80	5002.25	1.40	ppb
Molybdenum	98-1	4924.58	5036.08	4931.21	4963.96	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.50	510.07	511.48	513.02	0.77	ppb
Phosphorus	31-2	9684.20	9698.43	9693.05	9691.89	0.07	ppb
Potassium	39-2	120855.83	119763.25	121000.31	120539.80	0.56	ppb
Rhodium	103-1				112		%
Rhodium	103-2				110		%
Scandium	45-1				114		%
Scandium	45-2				106		%
Selenium	82-1	476.02	485.56	481.45	481.01	1.00	ppb
Selenium	77-2	473.32	451.95	462.25	462.51	2.31	ppb
Selenium	78-2	473.70	472.47	478.70	474.96	0.69	ppb
Silicon	28-1	500.55	486.11	499.85	495.51	1.64	ppb
Silver	107-1	538.56	539.20	528.85	535.53	1.08	ppb
Silver	109-1	540.75	522.69	510.46	524.63	2.90	ppb
Sodium	23-2	242991.25	243436.55	238221.69	241549.83	1.20	ppb
Strontium	86-1	448.19	453.03	452.90	451.37	0.61	ppb
Strontium	88-1	509.67	505.37	498.59	504.54	1.11	ppb
Sulfur	34-1	8138.98	7583.90	7911.66	7878.18	3.54	ppb
Terbium	159-1				116		%
Terbium	159-2				115		%
Thallium	203-1	533.60	526.75	528.34	529.56	0.68	ppb
Thallium	205-1	517.52	521.49	521.66	520.22	0.45	ppb
Tin	118-1	523.56	518.96	512.04	518.18	1.12	ppb
Titanium	47-1	5070.18	5062.58	5066.77	5066.51	0.08	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:53:19	DataFile Name :	064CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	498.55	490.58	501.76	496.96	1.16	ppb
Vanadium	51-2	524.19	513.04	529.06	522.10	1.57	ppb
Yttrium	89-1				119		%
Yttrium	89-2				114		%
Zinc	66-2	5239.61	5264.96	5237.37	5247.31	0.29	ppb
Zirconium	90-1	498.99	505.71	503.74	502.81	0.69	ppb
Zirconium	91-1	450.09	454.80	452.16	452.35	0.52	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 20:03:27	DataFile Name :	065CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.37	0.29	-0.01	0.22	90.63	ppb
Antimony	121-1	0.03	0.03	0.04	0.03	3.96	ppb
Arsenic	75-2	-0.03	-0.03	0.00	-0.02		ppb
Barium	135-1	0.00	0.01	0.02	0.01	88.00	ppb
Barium	137-1	0.01	0.03	0.01	0.02	55.94	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00		ppb
Bismuth	209-1				111		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.13	0.01	0.04	0.06	113.40	ppb
Cadmium	106-1	-2.44	-2.79	-2.51	-2.58		ppb
Cadmium	111-1	-0.17	-0.17	-0.16	-0.17		ppb
Calcium	43-1	-3.96	-2.52	-5.15	-3.88		ppb
Calcium	44-1	1.56	3.57	3.56	2.90	39.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.03	0.04	0.04	34.48	ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	444.21	ppb
Copper	63-2	0.07	0.13	0.09	0.10	29.71	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				110		%
Holmium	165-2				109		%
Indium	115-1				112		%
Indium	115-2				111		%
Iron	56-2	1.12	1.21	1.17	1.17	3.80	ppb
Iron	57-2	-0.84	2.50	-0.64	0.34	553.38	ppb
Iron	54-2	0.79	1.31	0.25	0.79	67.31	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 20:03:27	DataFile Name :	065CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.05	0.05	0.05	20.56	ppb
Lead	207-1	0.07	0.03	0.05	0.05	39.74	ppb
Lead	208-1	0.06	0.05	0.05	0.05	1.31	ppb
Lithium	6-1				86		%
Magnesium	24-2	1.50	1.37	1.44	1.43	4.69	ppb
Manganese	55-2	-0.60	-0.59	-0.60	-0.60		ppb
Molybdenum	94-1	0.04	0.06	0.06	0.05	24.60	ppb
Molybdenum	95-1	0.06	0.04	0.05	0.05	21.37	ppb
Molybdenum	96-1	0.03	0.06	0.04	0.05	29.16	ppb
Molybdenum	97-1	0.06	0.03	0.08	0.06	39.61	ppb
Molybdenum	98-1	0.04	0.04	0.04	0.04	4.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.01	0.00	0.01	57.90	ppb
Phosphorus	31-2	-165.63	-175.30	-162.38	-167.77		ppb
Potassium	39-2	0.71	-1.12	-0.62	-0.34		ppb
Rhodium	103-1				112		%
Rhodium	103-2				111		%
Scandium	45-1				108		%
Scandium	45-2				102		%
Selenium	82-1	0.38	-0.34	0.19	0.08	477.98	ppb
Selenium	77-2	-0.26	0.45	-0.02	0.05	662.17	ppb
Selenium	78-2	-0.45	-0.83	-2.58	-1.28		ppb
Silicon	28-1	-1.30	-1.02	-1.59	-1.30		ppb
Silver	107-1	0.01	0.00	0.01	0.01	43.44	ppb
Silver	109-1	0.01	0.01	0.01	0.01	21.82	ppb
Sodium	23-2	9.21	9.37	8.29	8.96	6.49	ppb
Strontium	86-1	0.00	0.00	-0.01	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	191.07	ppb
Sulfur	34-1	-2364.25	-2210.22	-2342.94	-2305.80		ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.04	0.05	0.04	0.04	13.79	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	7.77	ppb
Tin	118-1	-0.14	-0.13	-0.10	-0.13		ppb
Titanium	47-1	-0.01	-0.01	0.02	0.00	537.30	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 20:03:27	DataFile Name :	065CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	19.76	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	37.97	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	-0.10	-0.07	-0.06	-0.07		ppb
Zirconium	90-1	0.01	0.01	0.02	0.02	32.10	ppb
Zirconium	91-1	0.03	0.01	0.03	0.02	39.79	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2558-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:06:41	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6938.39	6923.64	7020.88	6960.97	0.75	ppb
Antimony	121-1	0.04	0.04	0.04	0.04	10.86	ppb
Arsenic	75-2	1.91	1.63	1.63	1.72	9.46	ppb
Barium	135-1	13.77	13.90	14.43	14.03	2.49	ppb
Barium	137-1	13.66	14.32	14.10	14.03	2.40	ppb
Beryllium	9-1	0.03	0.01	-0.01	0.01	318.06	ppb
Bismuth	209-1				112		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.31	0.28	0.48	0.36	29.44	ppb
Cadmium	106-1	-1.03	-0.98	-0.39	-0.80		ppb
Cadmium	111-1	0.36	0.41	0.42	0.40	8.94	ppb
Calcium	43-1	10507.77	10317.37	10505.06	10443.40	1.05	ppb
Calcium	44-1	11512.86	11590.76	11676.59	11593.40	0.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.27	2.20	2.28	2.25	1.85	ppb
Cobalt	59-2	5.00	4.87	4.92	4.93	1.29	ppb
Copper	63-2	10.48	10.41	10.53	10.47	0.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				111		%
Indium	115-1				113		%
Indium	115-2				110		%
Iron	56-2	2162.41	2121.68	2099.84	2127.97	1.49	ppb
Iron	57-2	1955.31	1924.47	1943.26	1941.01	0.80	ppb
Iron	54-2	1939.42	1925.55	1924.55	1929.84	0.43	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2558-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:06:41	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	9.31	9.15	9.02	9.16	1.58	ppb
Lead	207-1	8.77	8.60	8.57	8.64	1.24	ppb
Lead	208-1	8.81	8.69	8.61	8.70	1.21	ppb
Lithium	6-1				87		%
Magnesium	24-2	1243.06	1248.31	1248.89	1246.75	0.26	ppb
Manganese	55-2	1038.56	1029.63	1016.77	1028.32	1.07	ppb
Molybdenum	94-1	0.43	0.41	0.47	0.43	6.78	ppb
Molybdenum	95-1	0.04	0.04	0.04	0.04	2.79	ppb
Molybdenum	96-1	0.07	0.08	0.08	0.07	10.42	ppb
Molybdenum	97-1	0.04	0.04	0.04	0.04	0.40	ppb
Molybdenum	98-1	0.02	0.02	0.01	0.02	56.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.24	4.11	4.03	4.13	2.61	ppb
Phosphorus	31-2	1226.31	1228.34	1274.27	1242.97	2.18	ppb
Potassium	39-2	2471.91	2522.31	2507.84	2500.69	1.04	ppb
Rhodium	103-1				111		%
Rhodium	103-2				111		%
Scandium	45-1				108		%
Scandium	45-2				102		%
Selenium	82-1	0.70	0.25	1.14	0.70	63.12	ppb
Selenium	77-2	3.94	3.68	1.79	3.14	37.40	ppb
Selenium	78-2	-0.68	-1.12	-0.86	-0.89		ppb
Silicon	28-1	156.39	151.95	155.07	154.47	1.47	ppb
Silver	107-1	0.01	0.02	0.01	0.01	4.35	ppb
Silver	109-1	0.01	0.01	0.01	0.01	44.12	ppb
Sodium	23-2	552.19	553.49	547.03	550.90	0.62	ppb
Strontium	86-1	33.42	33.59	34.22	33.74	1.24	ppb
Strontium	88-1	32.25	32.73	33.30	32.76	1.61	ppb
Sulfur	34-1	50692.56	49645.19	49745.69	50027.81	1.16	ppb
Terbium	159-1				110		%
Terbium	159-2				111		%
Thallium	203-1	0.07	0.07	0.06	0.07	10.12	ppb
Thallium	205-1	0.07	0.07	0.07	0.07	1.38	ppb
Tin	118-1	-0.04	-0.03	-0.02	-0.03		ppb
Titanium	47-1	7.40	7.24	7.15	7.26	1.72	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2558-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:06:41	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.18	0.16	0.18	0.17	5.93	ppb
Vanadium	51-2	12.38	12.54	12.17	12.36	1.51	ppb
Yttrium	89-1				116		%
Yttrium	89-2				114		%
Zinc	66-2	111.47	111.59	111.10	111.39	0.23	ppb
Zirconium	90-1	0.23	0.22	0.23	0.22	2.53	ppb
Zirconium	91-1	0.22	0.23	0.22	0.22	4.00	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2REX10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:10:25	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19045.81	18689.18	18933.11	18889.37	0.97	ppb
Antimony	121-1	0.20	0.19	0.20	0.19	2.64	ppb
Arsenic	75-2	10.73	11.02	10.02	10.59	4.84	ppb
Barium	135-1	21.92	21.84	22.78	22.18	2.34	ppb
Barium	137-1	21.89	22.61	22.65	22.38	1.89	ppb
Beryllium	9-1	-1.40	-1.77	-1.68	-1.62		ppb
Bismuth	209-1				111		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.89	1.89	1.51	1.77	12.39	ppb
Cadmium	106-1	1.83	2.18	2.82	2.28	21.88	ppb
Cadmium	111-1	1.65	1.69	1.81	1.72	4.62	ppb
Calcium	43-1	46469.01	46274.78	47337.56	46693.78	1.21	ppb
Calcium	44-1	51848.81	51951.50	52790.22	52196.84	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.51	9.65	9.73	9.63	1.14	ppb
Cobalt	59-2	44.25	44.38	44.86	44.50	0.72	ppb
Copper	63-2	81.44	83.70	82.31	82.48	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				114		%
Indium	115-1				113		%
Indium	115-2				113		%
Iron	56-2	3643.92	3697.42	3655.42	3665.59	0.77	ppb
Iron	57-2	3446.11	3497.05	3492.32	3478.49	0.81	ppb
Iron	54-2	3336.03	3305.20	3303.58	3314.93	0.55	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2REX10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:10:25	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.04	15.76	15.54	15.45	2.39	ppb
Lead	207-1	13.86	14.45	13.98	14.10	2.23	ppb
Lead	208-1	13.99	14.70	14.38	14.36	2.48	ppb
Lithium	6-1				85		%
Magnesium	24-2	6515.60	6568.07	6633.79	6572.49	0.90	ppb
Manganese	55-2	3276.79	3295.30	3231.97	3268.02	1.00	ppb
Molybdenum	94-1	0.34	0.46	0.38	0.40	15.60	ppb
Molybdenum	95-1	0.09	0.08	0.06	0.08	20.33	ppb
Molybdenum	96-1	0.08	0.10	0.09	0.09	10.60	ppb
Molybdenum	97-1	0.05	0.05	0.06	0.05	9.02	ppb
Molybdenum	98-1	0.03	0.05	0.04	0.04	18.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.04	40.44	40.36	40.28	0.53	ppb
Phosphorus	31-2	1696.54	1780.65	1792.49	1756.56	2.98	ppb
Potassium	39-2	8175.39	8129.02	8191.95	8165.45	0.40	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	1.82	1.25	1.52	1.53	18.48	ppb
Selenium	77-2	21.96	19.08	21.67	20.90	7.57	ppb
Selenium	78-2	2.24	2.39	4.04	2.89	34.59	ppb
Silicon	28-1	599.66	586.09	610.51	598.75	2.04	ppb
Silver	107-1	0.08	0.08	0.08	0.08	2.19	ppb
Silver	109-1	0.02	0.02	0.02	0.02	2.96	ppb
Sodium	23-2	1714.00	1719.99	1711.37	1715.12	0.26	ppb
Strontium	86-1	175.88	176.72	173.97	175.52	0.80	ppb
Strontium	88-1	195.55	199.38	197.94	197.62	0.98	ppb
Sulfur	34-1	102537.99	102419.85	105956.39	103638.08	1.94	ppb
Terbium	159-1				112		%
Terbium	159-2				113		%
Thallium	203-1	0.14	0.15	0.14	0.15	4.00	ppb
Thallium	205-1	0.15	0.16	0.15	0.15	2.86	ppb
Tin	118-1	-0.06	-0.04	-0.01	-0.04		ppb
Titanium	47-1	3.02	2.65	2.93	2.86	6.75	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2REX10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:10:25	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.92	2.99	2.99	2.97	1.42	ppb
Vanadium	51-2	23.37	23.76	23.41	23.52	0.91	ppb
Yttrium	89-1				133		%
Yttrium	89-2				132		%
Zinc	66-2	310.59	317.15	318.85	315.53	1.38	ppb
Zirconium	90-1	0.19	0.18	0.19	0.19	2.97	ppb
Zirconium	91-1	0.22	0.23	0.21	0.22	3.32	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2REX1(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-22 20:13:35	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16367.49	16312.67	16471.65	16383.94	0.49	ppb
Antimony	121-1	0.15	0.15	0.17	0.15	6.52	ppb
Arsenic	75-2	9.40	9.46	9.52	9.46	0.62	ppb
Barium	135-1	18.50	18.47	19.42	18.80	2.86	ppb
Barium	137-1	17.95	18.29	19.21	18.48	3.52	ppb
Beryllium	9-1	-1.40	-1.55	-1.43	-1.46		ppb
Bismuth	209-1				111		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.90	1.91	1.60	1.80	9.72	ppb
Cadmium	106-1	1.95	0.75	1.71	1.47	43.09	ppb
Cadmium	111-1	1.42	1.36	1.56	1.45	6.86	ppb
Calcium	43-1	37335.37	38572.52	39377.02	38428.31	2.68	ppb
Calcium	44-1	42149.71	43425.63	44195.23	43256.86	2.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.19	8.26	8.49	8.31	1.89	ppb
Cobalt	59-2	39.25	39.01	39.59	39.28	0.75	ppb
Copper	63-2	71.37	72.20	72.55	72.04	0.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	3201.57	3191.00	3183.54	3192.04	0.28	ppb
Iron	57-2	3033.85	3055.09	3063.74	3050.89	0.50	ppb
Iron	54-2	2881.89	2882.41	2930.91	2898.40	0.97	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2REX1(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-22 20:13:35	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	12.30	12.77	13.32	12.80	4.00	ppb
Lead	207-1	11.07	11.80	12.21	11.69	4.93	ppb
Lead	208-1	11.41	11.97	12.39	11.93	4.14	ppb
Lithium	6-1				84		%
Magnesium	24-2	5707.41	5697.41	5544.87	5649.90	1.61	ppb
Manganese	55-2	2857.10	2804.96	2878.16	2846.74	1.32	ppb
Molybdenum	94-1	0.31	0.30	0.32	0.31	3.31	ppb
Molybdenum	95-1	0.07	0.07	0.09	0.08	14.34	ppb
Molybdenum	96-1	0.09	0.07	0.07	0.08	10.52	ppb
Molybdenum	97-1	0.02	0.03	0.06	0.04	47.26	ppb
Molybdenum	98-1	0.03	0.04	0.05	0.04	31.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	35.23	35.08	35.67	35.33	0.87	ppb
Phosphorus	31-2	1472.96	1468.84	1505.06	1482.29	1.34	ppb
Potassium	39-2	7183.06	7009.72	7210.64	7134.47	1.53	ppb
Rhodium	103-1				115		%
Rhodium	103-2				114		%
Scandium	45-1				112		%
Scandium	45-2				105		%
Selenium	82-1	1.58	1.01	1.01	1.20	27.48	ppb
Selenium	77-2	17.30	17.93	20.63	18.62	9.50	ppb
Selenium	78-2	2.96	4.64	2.35	3.31	35.78	ppb
Silicon	28-1	468.61	496.29	500.05	488.32	3.52	ppb
Silver	107-1	0.07	0.07	0.07	0.07	3.85	ppb
Silver	109-1	0.02	0.02	0.02	0.02	4.58	ppb
Sodium	23-2	1493.99	1482.69	1520.42	1499.03	1.29	ppb
Strontium	86-1	141.75	148.22	155.33	148.43	4.58	ppb
Strontium	88-1	160.69	165.89	172.60	166.39	3.59	ppb
Sulfur	34-1	80952.48	86178.11	84631.01	83920.53	3.20	ppb
Terbium	159-1				113		%
Terbium	159-2				114		%
Thallium	203-1	0.12	0.13	0.16	0.14	12.16	ppb
Thallium	205-1	0.13	0.12	0.13	0.13	4.08	ppb
Tin	118-1	-0.03	-0.06	-0.06	-0.05		ppb
Titanium	47-1	2.20	2.32	2.57	2.37	7.96	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2REX1(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-22 20:13:35	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.38	2.49	2.51	2.46	2.84	ppb
Vanadium	51-2	20.56	20.74	20.92	20.74	0.86	ppb
Yttrium	89-1				134		%
Yttrium	89-2				132		%
Zinc	66-2	275.65	277.80	276.98	276.81	0.39	ppb
Zirconium	90-1	0.15	0.15	0.17	0.16	5.96	ppb
Zirconium	91-1	0.14	0.18	0.18	0.16	13.31	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:25:31	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3365.27	3336.32	3352.55	3351.38	0.43	ppb
Antimony	121-1	0.04	0.04	0.05	0.04	9.00	ppb
Arsenic	75-2	2.46	2.39	2.53	2.46	2.76	ppb
Barium	135-1	4.64	4.43	4.94	4.67	5.47	ppb
Barium	137-1	4.84	4.97	4.74	4.85	2.34	ppb
Beryllium	9-1	-0.16	-0.32	-0.33	-0.27		ppb
Bismuth	209-1				110		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.33	0.41	0.41	0.38	11.32	ppb
Cadmium	106-1	-2.37	-1.97	-2.44	-2.26		ppb
Cadmium	111-1	0.16	0.20	0.21	0.19	14.01	ppb
Calcium	43-1	9754.82	10208.10	9979.57	9980.83	2.27	ppb
Calcium	44-1	11182.35	11240.76	11093.67	11172.26	0.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.07	2.03	2.06	2.05	0.95	ppb
Cobalt	59-2	9.50	9.40	9.24	9.38	1.38	ppb
Copper	63-2	17.97	17.69	17.26	17.64	2.02	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				111		%
Holmium	165-2				114		%
Indium	115-1				116		%
Indium	115-2				116		%
Iron	56-2	779.33	771.36	752.08	767.59	1.83	ppb
Iron	57-2	735.10	734.01	721.64	730.25	1.02	ppb
Iron	54-2	703.04	696.18	682.97	694.06	1.47	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:25:31	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.30	3.21	3.09	3.20	3.25	ppb
Lead	207-1	3.04	2.93	2.90	2.96	2.55	ppb
Lead	208-1	3.04	3.06	2.98	3.03	1.39	ppb
Lithium	6-1				82		%
Magnesium	24-2	1140.26	1155.92	1137.73	1144.64	0.86	ppb
Manganese	55-2	690.74	692.94	674.28	685.99	1.49	ppb
Molybdenum	94-1	0.10	0.10	0.08	0.09	11.80	ppb
Molybdenum	95-1	0.02	0.01	0.01	0.01	41.42	ppb
Molybdenum	96-1	0.03	0.02	0.02	0.02	18.61	ppb
Molybdenum	97-1	0.03	0.04	0.02	0.03	45.92	ppb
Molybdenum	98-1	0.02	0.00	0.00	0.01	190.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.54	8.47	8.42	8.47	0.69	ppb
Phosphorus	31-2	227.15	213.92	225.91	222.33	3.29	ppb
Potassium	39-2	1536.90	1535.00	1508.76	1526.89	1.03	ppb
Rhodium	103-1				116		%
Rhodium	103-2				116		%
Scandium	45-1				111		%
Scandium	45-2				107		%
Selenium	82-1	-0.16	0.52	0.94	0.44	127.71	ppb
Selenium	77-2	1.90	3.44	5.90	3.75	53.88	ppb
Selenium	78-2	0.27	1.15	0.82	0.74	60.09	ppb
Silicon	28-1	131.34	130.66	126.71	129.57	1.93	ppb
Silver	107-1	0.02	0.02	0.02	0.02	5.24	ppb
Silver	109-1	0.01	0.01	0.00	0.01	18.45	ppb
Sodium	23-2	366.59	368.95	367.18	367.57	0.33	ppb
Strontium	86-1	41.61	40.44	40.13	40.73	1.92	ppb
Strontium	88-1	39.85	40.63	39.69	40.06	1.25	ppb
Sulfur	34-1	15121.16	15828.51	15070.76	15340.15	2.76	ppb
Terbium	159-1				111		%
Terbium	159-2				115		%
Thallium	203-1	0.06	0.06	0.06	0.06	3.35	ppb
Thallium	205-1	0.05	0.06	0.06	0.06	8.32	ppb
Tin	118-1	-0.05	-0.02	-0.04	-0.04		ppb
Titanium	47-1	0.68	0.64	0.70	0.67	4.58	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:25:31	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.61	0.62	0.58	0.60	3.48	ppb
Vanadium	51-2	4.97	4.88	4.90	4.92	0.91	ppb
Yttrium	89-1				123		%
Yttrium	89-2				121		%
Zinc	66-2	68.59	69.00	66.57	68.05	1.91	ppb
Zirconium	90-1	0.04	0.05	0.05	0.05	4.73	ppb
Zirconium	91-1	0.06	0.05	0.06	0.06	8.24	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3REX5(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:28:45	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3400.51	3409.21	3367.68	3392.46	0.65	ppb
Antimony	121-1	0.04	0.04	0.04	0.04	2.45	ppb
Arsenic	75-2	2.53	2.72	2.66	2.63	3.67	ppb
Barium	135-1	4.82	4.65	4.87	4.78	2.46	ppb
Barium	137-1	4.84	4.84	4.78	4.82	0.68	ppb
Beryllium	9-1	-0.29	-0.26	-0.42	-0.33		ppb
Bismuth	209-1				110		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.25	0.36	0.25	0.29	22.18	ppb
Cadmium	106-1	-0.52	-0.47	-0.75	-0.58		ppb
Cadmium	111-1	0.34	0.31	0.31	0.32	5.03	ppb
Calcium	43-1	10245.49	10012.92	10108.60	10122.34	1.15	ppb
Calcium	44-1	11104.61	10943.15	11388.99	11145.58	2.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.20	2.23	2.22	2.22	0.60	ppb
Cobalt	59-2	9.40	9.43	9.46	9.43	0.30	ppb
Copper	63-2	17.31	17.55	17.26	17.37	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				117		%
Iron	56-2	774.93	775.95	792.91	781.26	1.29	ppb
Iron	57-2	719.45	740.88	725.62	728.65	1.51	ppb
Iron	54-2	707.72	705.82	700.34	704.62	0.54	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3REX5(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:28:45	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.16	3.27	3.27	3.23	2.06	ppb
Lead	207-1	3.02	3.15	3.08	3.08	2.09	ppb
Lead	208-1	3.02	3.16	3.12	3.10	2.32	ppb
Lithium	6-1				81		%
Magnesium	24-2	1129.07	1155.12	1143.22	1142.47	1.14	ppb
Manganese	55-2	677.67	704.38	694.29	692.11	1.95	ppb
Molybdenum	94-1	0.09	0.11	0.08	0.09	14.47	ppb
Molybdenum	95-1	0.02	0.01	0.03	0.02	49.45	ppb
Molybdenum	96-1	0.02	0.02	0.01	0.02	32.17	ppb
Molybdenum	97-1	0.04	0.01	0.04	0.03	61.08	ppb
Molybdenum	98-1	0.00	0.00	0.01	0.00	81.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.52	8.76	8.57	8.62	1.47	ppb
Phosphorus	31-2	211.56	234.59	228.59	224.91	5.31	ppb
Potassium	39-2	1530.17	1557.24	1530.81	1539.41	1.00	ppb
Rhodium	103-1				118		%
Rhodium	103-2				116		%
Scandium	45-1				112		%
Scandium	45-2				109		%
Selenium	82-1	0.81	0.50	0.83	0.71	25.44	ppb
Selenium	77-2	4.21	4.69	5.55	4.82	14.03	ppb
Selenium	78-2	1.02	0.87	1.40	1.10	24.90	ppb
Silicon	28-1	129.76	131.50	129.33	130.20	0.88	ppb
Silver	107-1	0.02	0.02	0.02	0.02	13.48	ppb
Silver	109-1	0.01	0.00	0.00	0.01	31.31	ppb
Sodium	23-2	358.25	358.83	360.25	359.11	0.29	ppb
Strontium	86-1	41.88	42.53	42.58	42.33	0.92	ppb
Strontium	88-1	41.48	41.55	41.86	41.63	0.48	ppb
Sulfur	34-1	15913.87	15582.09	15424.00	15639.99	1.60	ppb
Terbium	159-1				113		%
Terbium	159-2				116		%
Thallium	203-1	0.06	0.06	0.07	0.06	8.71	ppb
Thallium	205-1	0.06	0.06	0.05	0.06	9.32	ppb
Tin	118-1	-0.05	-0.07	-0.02	-0.05		ppb
Titanium	47-1	0.56	0.59	0.55	0.57	4.16	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3REX5(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:28:45	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.62	0.65	0.64	0.64	2.52	ppb
Vanadium	51-2	5.01	4.95	5.00	4.99	0.64	ppb
Yttrium	89-1				122		%
Yttrium	89-2				123		%
Zinc	66-2	68.00	67.18	67.94	67.71	0.68	ppb
Zirconium	90-1	0.04	0.04	0.05	0.05	5.25	ppb
Zirconium	91-1	0.07	0.06	0.10	0.08	28.56	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3REX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 20:32:00	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	678.77	689.59	698.31	688.89	1.42	ppb
Antimony	121-1	0.01	0.01	0.02	0.01	40.47	ppb
Arsenic	75-2	0.45	0.54	0.58	0.52	13.42	ppb
Barium	135-1	0.97	1.04	0.98	1.00	4.30	ppb
Barium	137-1	0.97	0.99	1.07	1.01	5.18	ppb
Beryllium	9-1	-0.08	-0.05	-0.08	-0.07		ppb
Bismuth	209-1				108		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	0.19	0.04	0.11	71.90	ppb
Cadmium	106-1	-0.44	-1.89	-1.70	-1.34		ppb
Cadmium	111-1	0.07	-0.08	-0.03	-0.01		ppb
Calcium	43-1	2045.57	2005.56	2043.79	2031.64	1.11	ppb
Calcium	44-1	2084.44	2042.44	2066.87	2064.58	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.51	0.48	0.48	0.49	3.23	ppb
Cobalt	59-2	1.99	1.93	1.91	1.94	2.22	ppb
Copper	63-2	3.63	3.61	3.56	3.60	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				113		%
Indium	115-1				116		%
Indium	115-2				118		%
Iron	56-2	141.09	139.21	141.13	140.48	0.78	ppb
Iron	57-2	153.48	150.32	151.49	151.76	1.05	ppb
Iron	54-2	143.22	139.00	143.19	141.80	1.71	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3REX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 20:32:00	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.69	0.70	0.65	0.68	3.86	ppb
Lead	207-1	0.65	0.66	0.64	0.65	1.06	ppb
Lead	208-1	0.67	0.65	0.66	0.66	1.22	ppb
Lithium	6-1				81		%
Magnesium	24-2	229.84	233.53	231.36	231.58	0.80	ppb
Manganese	55-2	125.95	123.00	123.45	124.13	1.28	ppb
Molybdenum	94-1	0.03	0.05	-0.01	0.02	146.45	ppb
Molybdenum	95-1	0.01	0.00	-0.01	0.00		ppb
Molybdenum	96-1	0.00	0.00	0.01	0.00	102.91	ppb
Molybdenum	97-1	0.03	0.04	0.02	0.03	27.98	ppb
Molybdenum	98-1	0.00	-0.01	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.83	1.80	1.76	1.80	1.86	ppb
Phosphorus	31-2	-90.04	-97.74	-91.22	-93.00		ppb
Potassium	39-2	307.66	313.53	315.75	312.31	1.34	ppb
Rhodium	103-1				117		%
Rhodium	103-2				118		%
Scandium	45-1				113		%
Scandium	45-2				108		%
Selenium	82-1	-0.34	0.98	0.61	0.42	162.20	ppb
Selenium	77-2	0.60	0.40	0.61	0.54	22.57	ppb
Selenium	78-2	0.13	-0.01	-1.18	-0.35		ppb
Silicon	28-1	31.48	31.35	31.22	31.35	0.42	ppb
Silver	107-1	0.01	0.01	0.01	0.01	46.08	ppb
Silver	109-1	0.01	0.00	0.00	0.00	98.32	ppb
Sodium	23-2	74.86	77.58	78.14	76.86	2.29	ppb
Strontium	86-1	8.67	9.10	8.65	8.81	2.89	ppb
Strontium	88-1	8.47	8.60	8.53	8.53	0.78	ppb
Sulfur	34-1	669.72	516.97	588.15	591.61	12.92	ppb
Terbium	159-1				109		%
Terbium	159-2				114		%
Thallium	203-1	0.03	0.04	0.04	0.04	8.08	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	12.25	ppb
Tin	118-1	-0.04	-0.03	-0.05	-0.04		ppb
Titanium	47-1	0.14	0.11	0.11	0.12	15.14	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3REX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 20:32:00	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.13	0.13	0.13	0.13	0.92	ppb
Vanadium	51-2	1.00	1.01	1.03	1.01	1.25	ppb
Yttrium	89-1				119		%
Yttrium	89-2				121		%
Zinc	66-2	14.54	13.93	14.45	14.31	2.29	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	9.60	ppb
Zirconium	91-1	0.01	0.00	0.03	0.01	111.42	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:35:15	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	115.19	114.63	113.11	114.31	0.94	ppb
Antimony	121-1	0.61	0.65	0.63	0.63	3.13	ppb
Arsenic	75-2	0.92	0.81	0.87	0.87	6.00	ppb
Barium	135-1	2.92	2.92	3.07	2.97	2.86	ppb
Barium	137-1	2.86	2.92	3.01	2.93	2.47	ppb
Beryllium	9-1	0.76	0.84	0.62	0.74	14.76	ppb
Bismuth	209-1				108		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.80	0.84	0.84	0.83	2.28	ppb
Cadmium	106-1	0.04	-0.25	-1.55	-0.59		ppb
Cadmium	111-1	0.64	0.68	0.51	0.61	14.77	ppb
Calcium	43-1	379.65	359.48	381.90	373.68	3.30	ppb
Calcium	44-1	384.60	377.77	386.68	383.02	1.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.72	0.66	0.74	0.71	5.45	ppb
Cobalt	59-2	0.92	0.92	0.91	0.92	0.92	ppb
Copper	63-2	6.79	6.87	6.72	6.80	1.14	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				113		%
Indium	115-1				118		%
Indium	115-2				119		%
Iron	56-2	48.41	48.08	48.07	48.19	0.40	ppb
Iron	57-2	48.24	49.45	49.77	49.15	1.65	ppb
Iron	54-2	49.18	51.03	48.16	49.46	2.94	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:35:15	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.01	3.04	2.95	3.00	1.57	ppb
Lead	207-1	2.88	2.91	3.02	2.94	2.35	ppb
Lead	208-1	2.90	2.96	2.97	2.94	1.21	ppb
Lithium	6-1				82		%
Magnesium	24-2	88.97	88.27	86.45	87.89	1.48	ppb
Manganese	55-2	26.98	26.87	27.10	26.98	0.43	ppb
Molybdenum	94-1	2.77	2.89	2.70	2.79	3.44	ppb
Molybdenum	95-1	2.07	2.23	2.08	2.13	4.25	ppb
Molybdenum	96-1	2.13	2.31	2.18	2.21	4.17	ppb
Molybdenum	97-1	2.09	2.19	2.11	2.13	2.58	ppb
Molybdenum	98-1	2.05	2.20	2.12	2.12	3.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.98	1.03	0.98	0.99	3.03	ppb
Phosphorus	31-2	-154.91	-169.18	-172.08	-165.39		ppb
Potassium	39-2	73.39	73.71	73.40	73.50	0.24	ppb
Rhodium	103-1				118		%
Rhodium	103-2				119		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	1.22	1.94	0.82	1.32	42.99	ppb
Selenium	77-2	0.18	0.85	1.06	0.69	66.27	ppb
Selenium	78-2	-0.67	-1.01	1.38	-0.10		ppb
Silicon	28-1	10.16	9.62	10.14	9.97	3.09	ppb
Silver	107-1	0.12	0.13	0.12	0.12	6.52	ppb
Silver	109-1	0.11	0.13	0.11	0.12	6.44	ppb
Sodium	23-2	67.49	68.59	68.65	68.24	0.96	ppb
Strontium	86-1	1.96	2.11	2.05	2.04	3.71	ppb
Strontium	88-1	1.98	2.03	1.99	2.00	1.33	ppb
Sulfur	34-1	-2554.35	-2678.41	-2613.94	-2615.57		ppb
Terbium	159-1				111		%
Terbium	159-2				114		%
Thallium	203-1	0.61	0.61	0.64	0.62	2.48	ppb
Thallium	205-1	0.60	0.61	0.61	0.61	1.10	ppb
Tin	118-1	0.50	0.53	0.52	0.52	3.76	ppb
Titanium	47-1	0.05	0.02	0.04	0.04	37.23	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:35:15	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.51	0.50	0.54	0.52	4.08	ppb
Vanadium	51-2	0.75	0.78	0.78	0.77	2.54	ppb
Yttrium	89-1				121		%
Yttrium	89-2				119		%
Zinc	66-2	8.67	8.88	8.82	8.79	1.23	ppb
Zirconium	90-1	0.55	0.56	0.57	0.56	1.81	ppb
Zirconium	91-1	0.56	0.61	0.58	0.59	4.59	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3REX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:38:33	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	139.66	135.39	141.39	138.82	2.23	ppb
Antimony	121-1	0.79	0.77	0.80	0.79	2.41	ppb
Arsenic	75-2	1.05	1.09	1.18	1.11	5.91	ppb
Barium	135-1	3.80	3.29	3.61	3.57	7.13	ppb
Barium	137-1	3.66	3.50	3.56	3.57	2.25	ppb
Beryllium	9-1	0.92	0.85	0.83	0.87	5.25	ppb
Bismuth	209-1				108		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.31	0.68	0.85	0.95	34.12	ppb
Cadmium	106-1	0.16	-0.99	-0.05	-0.29		ppb
Cadmium	111-1	0.75	0.78	0.76	0.76	1.74	ppb
Calcium	43-1	448.04	442.17	453.05	447.75	1.22	ppb
Calcium	44-1	462.70	452.77	469.36	461.61	1.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.85	0.88	0.94	0.89	5.10	ppb
Cobalt	59-2	1.13	1.15	1.12	1.13	1.41	ppb
Copper	63-2	8.21	8.23	8.27	8.24	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				110		%
Holmium	165-2				113		%
Indium	115-1				117		%
Indium	115-2				119		%
Iron	56-2	59.45	59.52	59.37	59.45	0.13	ppb
Iron	57-2	61.77	63.91	59.62	61.76	3.47	ppb
Iron	54-2	60.85	59.84	63.38	61.35	2.97	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3REX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:38:33	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.59	3.60	3.61	3.60	0.27	ppb
Lead	207-1	3.55	3.56	3.56	3.55	0.16	ppb
Lead	208-1	3.52	3.62	3.54	3.56	1.41	ppb
Lithium	6-1				81		%
Magnesium	24-2	107.10	107.11	106.94	107.05	0.09	ppb
Manganese	55-2	32.43	32.42	32.54	32.46	0.21	ppb
Molybdenum	94-1	3.44	3.48	3.35	3.42	1.91	ppb
Molybdenum	95-1	2.66	2.68	2.58	2.64	1.93	ppb
Molybdenum	96-1	2.65	2.74	2.72	2.71	1.70	ppb
Molybdenum	97-1	2.59	2.59	2.58	2.59	0.09	ppb
Molybdenum	98-1	2.56	2.63	2.61	2.60	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.23	1.23	1.16	1.20	3.22	ppb
Phosphorus	31-2	-163.26	-156.16	-171.24	-163.55		ppb
Potassium	39-2	86.90	88.34	91.03	88.76	2.36	ppb
Rhodium	103-1				117		%
Rhodium	103-2				118		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	1.62	0.82	1.74	1.39	35.66	ppb
Selenium	77-2	0.64	1.09	0.40	0.71	49.51	ppb
Selenium	78-2	-0.98	0.29	1.35	0.22	527.52	ppb
Silicon	28-1	11.35	10.39	11.04	10.93	4.48	ppb
Silver	107-1	0.15	0.14	0.15	0.15	3.61	ppb
Silver	109-1	0.13	0.14	0.14	0.14	4.80	ppb
Sodium	23-2	81.78	82.39	83.29	82.49	0.92	ppb
Strontium	86-1	2.43	2.50	2.52	2.48	1.88	ppb
Strontium	88-1	2.44	2.51	2.44	2.46	1.73	ppb
Sulfur	34-1	-2404.84	-2610.40	-2306.36	-2440.53		ppb
Terbium	159-1				109		%
Terbium	159-2				114		%
Thallium	203-1	0.75	0.75	0.75	0.75	0.29	ppb
Thallium	205-1	0.73	0.73	0.73	0.73	0.35	ppb
Tin	118-1	0.66	0.82	0.62	0.70	15.48	ppb
Titanium	47-1	0.03	0.03	0.04	0.03	17.66	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3REX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:38:33	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.64	0.64	0.66	0.64	1.55	ppb
Vanadium	51-2	0.92	0.93	0.92	0.92	0.55	ppb
Yttrium	89-1				120		%
Yttrium	89-2				118		%
Zinc	66-2	11.44	11.10	10.80	11.11	2.88	ppb
Zirconium	90-1	0.66	0.69	0.69	0.68	2.35	ppb
Zirconium	91-1	0.72	0.70	0.69	0.70	1.73	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:41:50	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	147.64	148.57	149.90	148.70	0.76	ppb
Antimony	121-1	0.80	0.84	0.79	0.81	3.16	ppb
Arsenic	75-2	1.05	1.23	1.14	1.14	7.92	ppb
Barium	135-1	4.02	3.82	3.53	3.79	6.55	ppb
Barium	137-1	3.89	3.73	3.81	3.81	2.03	ppb
Beryllium	9-1	1.03	0.95	0.90	0.96	6.77	ppb
Bismuth	209-1				107		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.22	1.07	1.11	1.13	6.95	ppb
Cadmium	106-1	0.56	-0.86	0.23	-0.02		ppb
Cadmium	111-1	0.89	0.75	0.96	0.87	12.10	ppb
Calcium	43-1	472.24	471.70	466.24	470.06	0.71	ppb
Calcium	44-1	487.94	493.03	491.23	490.73	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.91	0.90	0.90	0.90	0.57	ppb
Cobalt	59-2	1.21	1.16	1.22	1.20	2.76	ppb
Copper	63-2	8.95	8.97	9.01	8.98	0.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				119		%
Iron	56-2	63.97	62.87	62.87	63.24	1.01	ppb
Iron	57-2	64.69	65.75	64.04	64.83	1.33	ppb
Iron	54-2	65.02	65.51	62.54	64.35	2.48	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:41:50	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.92	3.85	3.85	3.87	1.10	ppb
Lead	207-1	3.74	3.80	3.85	3.80	1.41	ppb
Lead	208-1	3.80	3.85	3.81	3.82	0.68	ppb
Lithium	6-1				81		%
Magnesium	24-2	116.57	116.65	112.75	115.32	1.93	ppb
Manganese	55-2	34.41	34.26	34.59	34.42	0.49	ppb
Molybdenum	94-1	3.54	3.67	3.75	3.65	2.93	ppb
Molybdenum	95-1	2.70	2.80	2.78	2.76	1.99	ppb
Molybdenum	96-1	2.84	2.87	2.86	2.85	0.44	ppb
Molybdenum	97-1	2.87	2.70	2.80	2.79	2.97	ppb
Molybdenum	98-1	2.78	2.77	2.80	2.78	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.36	1.30	1.20	1.28	6.50	ppb
Phosphorus	31-2	-165.57	-166.20	-166.79	-166.18		ppb
Potassium	39-2	97.71	94.81	94.01	95.51	2.04	ppb
Rhodium	103-1				117		%
Rhodium	103-2				118		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	1.57	1.05	1.48	1.37	20.44	ppb
Selenium	77-2	0.84	0.18	0.84	0.62	61.10	ppb
Selenium	78-2	0.88	1.21	0.94	1.01	17.34	ppb
Silicon	28-1	11.04	10.92	11.58	11.18	3.16	ppb
Silver	107-1	0.14	0.17	0.16	0.15	9.98	ppb
Silver	109-1	0.13	0.14	0.13	0.13	5.62	ppb
Sodium	23-2	87.67	86.53	85.41	86.54	1.30	ppb
Strontium	86-1	2.75	2.63	2.73	2.70	2.33	ppb
Strontium	88-1	2.60	2.59	2.61	2.60	0.41	ppb
Sulfur	34-1	-2404.29	-2400.51	-2421.48	-2408.76		ppb
Terbium	159-1				109		%
Terbium	159-2				115		%
Thallium	203-1	0.78	0.80	0.76	0.78	2.37	ppb
Thallium	205-1	0.77	0.76	0.79	0.78	1.94	ppb
Tin	118-1	0.68	0.67	0.71	0.69	3.49	ppb
Titanium	47-1	0.02	-0.03	-0.01	-0.01		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:41:50	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.67	0.68	0.68	0.68	0.53	ppb
Vanadium	51-2	0.97	1.07	1.04	1.03	5.25	ppb
Yttrium	89-1				119		%
Yttrium	89-2				119		%
Zinc	66-2	12.34	11.63	11.59	11.86	3.58	ppb
Zirconium	90-1	0.72	0.70	0.71	0.71	1.49	ppb
Zirconium	91-1	0.76	0.78	0.73	0.76	3.79	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:02:55	DataFile Name :	076CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49018.38	48052.19	48069.97	48380.18	1.14	ppb
Antimony	121-1	513.88	511.85	526.92	517.55	1.58	ppb
Arsenic	75-2	487.99	466.86	476.40	477.08	2.22	ppb
Barium	135-1	2499.62	2540.76	2551.28	2530.55	1.08	ppb
Barium	137-1	2544.20	2523.38	2543.00	2536.86	0.46	ppb
Beryllium	9-1	525.93	533.40	527.26	528.86	0.75	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	496.92	503.42	513.92	504.76	1.70	ppb
Cadmium	106-1	503.56	504.78	500.98	503.11	0.39	ppb
Cadmium	111-1	485.35	483.61	492.07	487.01	0.92	ppb
Calcium	43-1	245312.60	250862.40	245179.22	247118.07	1.31	ppb
Calcium	44-1	244613.55	248834.72	247400.03	246949.43	0.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	523.86	518.86	513.00	518.57	1.05	ppb
Cobalt	59-2	514.14	508.02	505.94	509.37	0.84	ppb
Copper	63-2	5174.52	5213.83	5253.52	5213.96	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				115		%
Holmium	165-2				112		%
Indium	115-1				112		%
Indium	115-2				111		%
Iron	56-2	126528.54	125836.07	125053.70	125806.10	0.59	ppb
Iron	57-2	127228.90	126300.58	126870.20	126799.90	0.37	ppb
Iron	54-2	128522.42	126394.07	126521.09	127145.86	0.94	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:02:55	DataFile Name :	076CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2592.48	2532.17	2565.08	2563.25	1.18	ppb
Lead	207-1	2542.05	2462.97	2508.16	2504.39	1.58	ppb
Lead	208-1	2538.75	2506.71	2531.03	2525.50	0.66	ppb
Lithium	6-1				90		%
Magnesium	24-2	249441.10	243150.97	242497.91	245029.99	1.56	ppb
Manganese	55-2	5157.46	5022.24	5024.43	5068.04	1.53	ppb
Molybdenum	94-1	4976.16	5118.37	5043.70	5046.07	1.41	ppb
Molybdenum	95-1	4987.09	5149.56	5144.78	5093.81	1.82	ppb
Molybdenum	96-1	4965.85	5017.46	5014.97	4999.43	0.58	ppb
Molybdenum	97-1	4964.67	4970.67	5010.31	4981.88	0.50	ppb
Molybdenum	98-1	4965.62	5045.77	5017.33	5009.57	0.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.80	501.33	498.13	502.09	0.87	ppb
Phosphorus	31-2	9809.54	9713.15	9654.73	9725.81	0.80	ppb
Potassium	39-2	122044.48	121096.05	117962.82	120367.79	1.77	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				111		%
Scandium	45-2				107		%
Selenium	82-1	479.74	484.00	484.73	482.83	0.56	ppb
Selenium	77-2	471.30	445.81	478.92	465.35	3.73	ppb
Selenium	78-2	476.26	468.68	469.31	471.42	0.89	ppb
Silicon	28-1	497.19	508.27	498.53	501.33	1.21	ppb
Silver	107-1	521.38	527.17	521.59	523.38	0.63	ppb
Silver	109-1	516.94	521.45	516.45	518.28	0.53	ppb
Sodium	23-2	249127.09	244872.82	243345.70	245781.87	1.22	ppb
Strontium	86-1	441.16	451.38	449.51	447.35	1.22	ppb
Strontium	88-1	494.07	508.16	512.20	504.81	1.89	ppb
Sulfur	34-1	7935.14	7972.76	7991.46	7966.45	0.36	ppb
Terbium	159-1				114		%
Terbium	159-2				114		%
Thallium	203-1	533.14	518.50	522.38	524.67	1.45	ppb
Thallium	205-1	518.10	511.11	517.12	515.44	0.73	ppb
Tin	118-1	518.51	507.03	508.75	511.43	1.21	ppb
Titanium	47-1	4959.13	5028.31	4961.73	4983.06	0.79	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:02:55	DataFile Name :	076CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	501.84	488.14	498.26	496.08	1.43	ppb
Vanadium	51-2	530.21	505.69	519.76	518.55	2.37	ppb
Yttrium	89-1				116		%
Yttrium	89-2				115		%
Zinc	66-2	5171.94	5111.65	5192.28	5158.62	0.81	ppb
Zirconium	90-1	502.08	515.34	504.63	507.35	1.39	ppb
Zirconium	91-1	443.47	454.25	451.63	449.78	1.25	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:09:28	DataFile Name :	077CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.04	0.02	-0.24	-0.06		ppb
Antimony	121-1	0.05	0.04	0.05	0.05	7.80	ppb
Arsenic	75-2	0.01	0.00	0.00	0.00	374.29	ppb
Barium	135-1	0.00	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.01	0.00	0.00	57.00	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	0.07	0.00	0.05	77.53	ppb
Cadmium	106-1	-3.85	-2.65	-2.71	-3.07		ppb
Cadmium	111-1	-0.24	-0.16	-0.18	-0.19		ppb
Calcium	43-1	-6.68	-4.06	-5.59	-5.44		ppb
Calcium	44-1	10.46	13.55	13.05	12.35	13.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	0.02	0.00	847.42	ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	222.30	ppb
Copper	63-2	-0.13	-0.11	-0.18	-0.14		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				109		%
Indium	115-1				112		%
Indium	115-2				111		%
Iron	56-2	0.68	0.76	0.76	0.73	5.63	ppb
Iron	57-2	-0.23	0.28	-0.70	-0.21		ppb
Iron	54-2	0.01	0.28	0.19	0.16	86.46	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:09:28	DataFile Name :	077CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.02	0.06	0.04	45.83	ppb
Lead	207-1	0.04	0.05	0.04	0.04	9.59	ppb
Lead	208-1	0.06	0.05	0.07	0.06	14.79	ppb
Lithium	6-1				88		%
Magnesium	24-2	0.91	1.04	1.27	1.07	16.68	ppb
Manganese	55-2	-0.57	-0.59	-0.59	-0.58		ppb
Molybdenum	94-1	0.05	0.04	0.06	0.05	11.08	ppb
Molybdenum	95-1	0.04	0.05	0.05	0.05	11.35	ppb
Molybdenum	96-1	0.08	0.07	0.06	0.07	13.68	ppb
Molybdenum	97-1	0.07	0.08	0.05	0.07	18.39	ppb
Molybdenum	98-1	0.03	0.04	0.03	0.03	5.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	0.03	-0.02	-0.01		ppb
Phosphorus	31-2	-180.53	-185.02	-179.41	-181.65		ppb
Potassium	39-2	2.31	-1.05	0.67	0.64	262.01	ppb
Rhodium	103-1				112		%
Rhodium	103-2				111		%
Scandium	45-1				109		%
Scandium	45-2				104		%
Selenium	82-1	0.99	0.53	0.61	0.71	35.28	ppb
Selenium	77-2	-0.26	-0.03	-0.26	-0.19		ppb
Selenium	78-2	-0.50	0.23	-1.66	-0.64		ppb
Silicon	28-1	-1.18	-1.02	-1.05	-1.09		ppb
Silver	107-1	0.01	0.01	0.01	0.01	20.84	ppb
Silver	109-1	0.01	0.01	0.01	0.01	39.75	ppb
Sodium	23-2	22.02	20.74	20.31	21.02	4.22	ppb
Strontium	86-1	-0.01	0.00	-0.08	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	115.37	ppb
Sulfur	34-1	-2367.12	-2356.15	-2180.55	-2301.27		ppb
Terbium	159-1				111		%
Terbium	159-2				111		%
Thallium	203-1	0.07	0.08	0.08	0.07	2.60	ppb
Thallium	205-1	0.07	0.07	0.08	0.07	3.98	ppb
Tin	118-1	-0.13	-0.12	-0.11	-0.12		ppb
Titanium	47-1	0.00	-0.01	-0.02	-0.01		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:09:28	DataFile Name :	077CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	37.27	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	74.69	ppb
Yttrium	89-1				112		%
Yttrium	89-2				112		%
Zinc	66-2	-0.21	-0.09	-0.22	-0.18		ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	56.16	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	33.26	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:12:45	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3519.97	3542.29	3470.19	3510.82	1.05	ppb
Antimony	121-1	0.06	0.06	0.06	0.06	7.20	ppb
Arsenic	75-2	2.66	2.66	2.62	2.65	0.88	ppb
Barium	135-1	4.63	4.75	4.78	4.72	1.68	ppb
Barium	137-1	4.99	4.91	4.84	4.92	1.51	ppb
Beryllium	9-1	-0.15	-0.11	-0.23	-0.17		ppb
Bismuth	209-1				112		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.66	0.37	0.46	0.50	30.53	ppb
Cadmium	106-1	-0.86	-1.42	-1.16	-1.15		ppb
Cadmium	111-1	0.30	0.21	0.27	0.26	17.94	ppb
Calcium	43-1	10117.51	10175.95	10039.94	10111.14	0.67	ppb
Calcium	44-1	11195.62	11176.46	11344.49	11238.86	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.02	2.08	2.14	2.08	2.85	ppb
Cobalt	59-2	9.50	9.49	9.46	9.49	0.22	ppb
Copper	63-2	17.03	17.50	16.88	17.14	1.87	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				112		%
Indium	115-1				114		%
Indium	115-2				115		%
Iron	56-2	775.91	762.89	778.59	772.46	1.09	ppb
Iron	57-2	741.29	728.99	727.57	732.62	1.03	ppb
Iron	54-2	702.83	706.76	689.00	699.53	1.33	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:12:45	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.32	3.31	3.35	3.33	0.70	ppb
Lead	207-1	3.02	3.11	3.01	3.05	1.91	ppb
Lead	208-1	3.14	3.14	3.07	3.12	1.25	ppb
Lithium	6-1				90		%
Magnesium	24-2	1206.64	1210.15	1189.95	1202.25	0.90	ppb
Manganese	55-2	698.22	713.37	703.82	705.14	1.09	ppb
Molybdenum	94-1	0.09	0.13	0.13	0.12	18.32	ppb
Molybdenum	95-1	0.05	0.05	0.05	0.05	6.52	ppb
Molybdenum	96-1	0.04	0.06	0.04	0.05	18.99	ppb
Molybdenum	97-1	0.04	0.04	0.03	0.04	9.33	ppb
Molybdenum	98-1	0.03	0.03	0.03	0.03	12.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.69	8.76	8.55	8.67	1.20	ppb
Phosphorus	31-2	190.42	210.95	227.16	209.51	8.79	ppb
Potassium	39-2	1539.91	1562.43	1532.66	1545.00	1.00	ppb
Rhodium	103-1				115		%
Rhodium	103-2				114		%
Scandium	45-1				109		%
Scandium	45-2				106		%
Selenium	82-1	0.18	1.33	0.77	0.76	76.01	ppb
Selenium	77-2	4.17	4.04	4.02	4.07	2.05	ppb
Selenium	78-2	-0.56	-0.18	1.16	0.14	636.04	ppb
Silicon	28-1	130.12	132.09	131.71	131.31	0.79	ppb
Silver	107-1	0.02	0.02	0.02	0.02	11.71	ppb
Silver	109-1	0.01	0.01	0.01	0.01	11.60	ppb
Sodium	23-2	386.56	386.92	386.51	386.66	0.06	ppb
Strontium	86-1	41.01	43.20	41.74	41.98	2.65	ppb
Strontium	88-1	40.92	41.85	40.57	41.11	1.61	ppb
Sulfur	34-1	16288.33	17098.99	15783.98	16390.43	4.05	ppb
Terbium	159-1				112		%
Terbium	159-2				113		%
Thallium	203-1	0.08	0.09	0.09	0.09	6.18	ppb
Thallium	205-1	0.10	0.08	0.09	0.09	8.83	ppb
Tin	118-1	-0.04	-0.05	-0.02	-0.04		ppb
Titanium	47-1	0.71	0.66	0.64	0.67	5.85	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:12:45	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.64	0.65	0.62	0.64	2.71	ppb
Vanadium	51-2	5.02	4.93	4.82	4.92	1.95	ppb
Yttrium	89-1				119		%
Yttrium	89-2				118		%
Zinc	66-2	68.16	66.22	66.47	66.95	1.57	ppb
Zirconium	90-1	0.06	0.06	0.07	0.06	10.91	ppb
Zirconium	91-1	0.06	0.07	0.07	0.07	9.16	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:16:01	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3497.95	3485.06	3517.35	3500.12	0.46	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	2.44	ppb
Arsenic	75-2	2.72	2.56	2.67	2.65	3.10	ppb
Barium	135-1	4.65	4.78	4.92	4.78	2.74	ppb
Barium	137-1	4.82	4.85	4.81	4.83	0.42	ppb
Beryllium	9-1	-0.17	-0.15	-0.25	-0.19		ppb
Bismuth	209-1				113		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.43	0.49	0.49	0.47	7.72	ppb
Cadmium	106-1	-0.95	-0.66	-2.10	-1.24		ppb
Cadmium	111-1	0.30	0.28	0.22	0.26	14.91	ppb
Calcium	43-1	9757.45	9877.10	9895.35	9843.30	0.76	ppb
Calcium	44-1	11127.97	11209.25	11252.34	11196.52	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.08	1.94	2.04	2.02	3.67	ppb
Cobalt	59-2	9.42	9.46	9.53	9.47	0.60	ppb
Copper	63-2	17.19	17.21	17.41	17.27	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				112		%
Indium	115-1				116		%
Indium	115-2				115		%
Iron	56-2	770.18	781.20	775.47	775.61	0.71	ppb
Iron	57-2	728.77	741.66	730.74	733.72	0.95	ppb
Iron	54-2	701.17	708.44	706.96	705.52	0.54	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:16:01	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.23	3.32	3.43	3.33	2.96	ppb
Lead	207-1	3.06	3.01	3.01	3.02	0.97	ppb
Lead	208-1	3.02	3.07	3.09	3.06	1.18	ppb
Lithium	6-1				91		%
Magnesium	24-2	1195.42	1197.00	1198.39	1196.94	0.12	ppb
Manganese	55-2	690.11	703.18	684.48	692.59	1.39	ppb
Molybdenum	94-1	0.09	0.10	0.10	0.10	5.04	ppb
Molybdenum	95-1	0.02	0.03	0.02	0.02	11.57	ppb
Molybdenum	96-1	0.03	0.03	0.03	0.03	11.83	ppb
Molybdenum	97-1	0.05	0.01	0.04	0.03	62.64	ppb
Molybdenum	98-1	0.01	0.02	0.02	0.02	25.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.38	8.39	8.40	8.39	0.15	ppb
Phosphorus	31-2	220.76	231.05	233.81	228.54	3.01	ppb
Potassium	39-2	1553.79	1555.89	1556.56	1555.41	0.09	ppb
Rhodium	103-1				114		%
Rhodium	103-2				114		%
Scandium	45-1				113		%
Scandium	45-2				106		%
Selenium	82-1	0.51	0.93	0.78	0.74	28.48	ppb
Selenium	77-2	3.95	4.40	4.80	4.38	9.74	ppb
Selenium	78-2	-0.28	-0.67	0.12	-0.28		ppb
Silicon	28-1	131.08	132.80	130.91	131.60	0.79	ppb
Silver	107-1	0.02	0.02	0.02	0.02	5.59	ppb
Silver	109-1	0.01	0.01	0.00	0.01	37.91	ppb
Sodium	23-2	379.62	380.94	380.73	380.43	0.19	ppb
Strontium	86-1	42.41	42.03	42.79	42.41	0.89	ppb
Strontium	88-1	40.40	40.33	40.78	40.50	0.60	ppb
Sulfur	34-1	15198.68	15214.49	15554.15	15322.44	1.31	ppb
Terbium	159-1				113		%
Terbium	159-2				114		%
Thallium	203-1	0.08	0.09	0.07	0.08	13.80	ppb
Thallium	205-1	0.09	0.08	0.08	0.08	5.38	ppb
Tin	118-1	-0.05	-0.03	-0.06	-0.05		ppb
Titanium	47-1	0.58	0.62	0.61	0.60	3.61	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:16:01	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.60	0.62	0.64	0.62	3.54	ppb
Vanadium	51-2	4.92	4.90	5.04	4.96	1.55	ppb
Yttrium	89-1				121		%
Yttrium	89-2				119		%
Zinc	66-2	68.03	66.66	68.49	67.73	1.40	ppb
Zirconium	90-1	0.04	0.04	0.06	0.05	16.51	ppb
Zirconium	91-1	0.05	0.07	0.06	0.06	13.63	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3X250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 21:19:14	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	705.79	703.39	707.73	705.64	0.31	ppb
Antimony	121-1	0.07	0.08	0.07	0.07	9.65	ppb
Arsenic	75-2	0.55	0.60	0.61	0.59	5.58	ppb
Barium	135-1	0.98	0.94	1.00	0.97	3.12	ppb
Barium	137-1	1.08	1.00	1.10	1.06	4.75	ppb
Beryllium	9-1	-0.06	-0.02	-0.06	-0.04		ppb
Bismuth	209-1				111		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.07	0.13	0.12	39.77	ppb
Cadmium	106-1	-1.99	-1.33	-2.36	-1.89		ppb
Cadmium	111-1	-0.05	0.00	-0.08	-0.04		ppb
Calcium	43-1	2046.61	2040.66	2085.80	2057.69	1.19	ppb
Calcium	44-1	2090.84	2051.78	2100.04	2080.89	1.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.63	0.62	0.62	0.62	0.93	ppb
Cobalt	59-2	1.89	1.96	1.89	1.91	2.17	ppb
Copper	63-2	4.35	4.38	4.38	4.37	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				111		%
Holmium	165-2				111		%
Indium	115-1				116		%
Indium	115-2				114		%
Iron	56-2	140.74	139.31	141.37	140.47	0.75	ppb
Iron	57-2	149.52	146.86	149.70	148.70	1.07	ppb
Iron	54-2	143.80	145.74	146.55	145.36	0.97	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3X250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 21:19:14	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.90	2.93	2.84	2.89	1.48	ppb
Lead	207-1	2.88	2.82	2.84	2.85	1.11	ppb
Lead	208-1	2.85	2.87	2.80	2.84	1.34	ppb
Lithium	6-1				88		%
Magnesium	24-2	241.98	239.04	236.84	239.29	1.08	ppb
Manganese	55-2	122.94	121.82	123.54	122.77	0.71	ppb
Molybdenum	94-1	0.04	0.05	0.07	0.06	28.71	ppb
Molybdenum	95-1	0.02	0.00	0.02	0.01	96.45	ppb
Molybdenum	96-1	0.02	0.01	0.03	0.02	61.36	ppb
Molybdenum	97-1	0.03	0.02	0.02	0.02	29.48	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	134.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.40	2.33	2.42	2.38	2.00	ppb
Phosphorus	31-2	-95.87	-97.41	-98.53	-97.27		ppb
Potassium	39-2	315.23	311.29	312.17	312.89	0.66	ppb
Rhodium	103-1				114		%
Rhodium	103-2				115		%
Scandium	45-1				112		%
Scandium	45-2				107		%
Selenium	82-1	0.48	0.58	0.63	0.56	13.75	ppb
Selenium	77-2	0.86	1.09	0.86	0.94	13.94	ppb
Selenium	78-2	-2.36	-1.36	0.03	-1.23		ppb
Silicon	28-1	30.99	29.35	30.92	30.42	3.04	ppb
Silver	107-1	0.01	0.01	0.01	0.01	18.62	ppb
Silver	109-1	0.01	0.01	0.00	0.01	40.02	ppb
Sodium	23-2	85.95	82.65	84.53	84.38	1.96	ppb
Strontium	86-1	8.72	8.84	8.69	8.75	0.89	ppb
Strontium	88-1	8.60	8.61	8.63	8.61	0.17	ppb
Sulfur	34-1	612.84	402.72	607.05	540.87	22.13	ppb
Terbium	159-1				111		%
Terbium	159-2				113		%
Thallium	203-1	0.07	0.06	0.07	0.07	14.63	ppb
Thallium	205-1	0.07	0.06	0.06	0.06	7.42	ppb
Tin	118-1	0.07	0.07	0.07	0.07	2.54	ppb
Titanium	47-1	0.15	0.15	0.17	0.16	6.14	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3X250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 21:19:14	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.13	0.14	0.12	0.13	8.50	ppb
Vanadium	51-2	1.00	0.96	1.07	1.01	5.77	ppb
Yttrium	89-1				118		%
Yttrium	89-2				117		%
Zinc	66-2	16.11	15.99	15.97	16.03	0.47	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	18.48	ppb
Zirconium	91-1	0.03	0.02	0.03	0.03	25.14	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:22:31	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1454.05	1463.44	1419.28	1445.59	1.61	ppb
Antimony	121-1	7.64	7.82	7.46	7.64	2.33	ppb
Arsenic	75-2	10.71	10.70	10.50	10.64	1.14	ppb
Barium	135-1	36.38	36.60	34.75	35.91	2.82	ppb
Barium	137-1	35.37	36.67	36.10	36.05	1.82	ppb
Beryllium	9-1	8.91	9.03	9.83	9.26	5.40	ppb
Bismuth	209-1				110		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.21	9.53	8.70	9.15	4.58	ppb
Cadmium	106-1	6.44	8.51	7.92	7.62	13.98	ppb
Cadmium	111-1	8.53	9.07	8.48	8.69	3.73	ppb
Calcium	43-1	4305.36	4535.52	4547.80	4462.89	3.06	ppb
Calcium	44-1	4863.34	5015.43	5221.37	5033.38	3.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.27	8.32	8.24	8.28	0.45	ppb
Cobalt	59-2	11.40	11.52	11.46	11.46	0.51	ppb
Copper	63-2	85.62	85.28	86.69	85.86	0.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				111		%
Indium	115-1				114		%
Indium	115-2				113		%
Iron	56-2	663.43	662.62	661.00	662.35	0.19	ppb
Iron	57-2	614.27	631.28	615.45	620.33	1.53	ppb
Iron	54-2	605.63	615.10	604.35	608.36	0.97	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:22:31	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	36.67	36.95	37.09	36.90	0.57	ppb
Lead	207-1	34.48	34.82	36.76	35.35	3.49	ppb
Lead	208-1	34.90	35.83	36.38	35.70	2.09	ppb
Lithium	6-1				88		%
Magnesium	24-2	1132.40	1138.54	1127.45	1132.80	0.49	ppb
Manganese	55-2	307.75	308.01	305.67	307.14	0.42	ppb
Molybdenum	94-1	34.21	34.67	34.50	34.46	0.68	ppb
Molybdenum	95-1	25.73	26.32	26.43	26.16	1.44	ppb
Molybdenum	96-1	27.06	26.76	27.77	27.20	1.90	ppb
Molybdenum	97-1	26.41	26.58	26.82	26.60	0.76	ppb
Molybdenum	98-1	26.30	26.30	26.55	26.38	0.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.99	11.72	11.95	11.89	1.23	ppb
Phosphorus	31-2	-27.07	-18.19	-13.88	-19.71		ppb
Potassium	39-2	924.26	936.29	930.65	930.40	0.65	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				112		%
Scandium	45-2				106		%
Selenium	82-1	9.74	8.08	9.56	9.12	10.00	ppb
Selenium	77-2	10.31	9.94	8.34	9.53	10.95	ppb
Selenium	78-2	8.56	9.25	7.23	8.35	12.35	ppb
Silicon	28-1	52.96	54.23	56.10	54.43	2.90	ppb
Silver	107-1	1.49	1.50	1.44	1.48	2.20	ppb
Silver	109-1	1.29	1.35	1.29	1.31	2.24	ppb
Sodium	23-2	819.14	822.82	813.24	818.40	0.59	ppb
Strontium	86-1	25.03	25.00	25.56	25.19	1.25	ppb
Strontium	88-1	23.98	24.33	24.97	24.43	2.04	ppb
Sulfur	34-1	3703.26	3805.16	4433.59	3980.67	9.94	ppb
Terbium	159-1				109		%
Terbium	159-2				113		%
Thallium	203-1	6.95	7.21	7.32	7.16	2.68	ppb
Thallium	205-1	6.70	7.06	7.06	6.94	3.05	ppb
Tin	118-1	6.67	6.88	6.92	6.82	1.98	ppb
Titanium	47-1	0.27	0.24	0.33	0.28	16.56	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:22:31	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.32	6.42	6.79	6.51	3.80	ppb
Vanadium	51-2	9.82	9.59	9.68	9.70	1.18	ppb
Yttrium	89-1				117		%
Yttrium	89-2				116		%
Zinc	66-2	108.11	108.04	108.21	108.12	0.08	ppb
Zirconium	90-1	6.86	6.88	7.01	6.92	1.11	ppb
Zirconium	91-1	6.92	7.17	7.29	7.13	2.62	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:25:44	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1557.44	1528.42	1548.82	1544.90	0.96	ppb
Antimony	121-1	8.04	7.93	8.40	8.12	3.00	ppb
Arsenic	75-2	11.26	11.60	11.01	11.29	2.61	ppb
Barium	135-1	36.76	36.87	39.01	37.55	3.38	ppb
Barium	137-1	38.70	38.33	38.47	38.50	0.49	ppb
Beryllium	9-1	9.84	9.80	9.60	9.75	1.35	ppb
Bismuth	209-1				108		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.92	10.16	10.37	10.15	2.20	ppb
Cadmium	106-1	8.32	9.46	7.88	8.55	9.53	ppb
Cadmium	111-1	9.08	9.35	9.73	9.39	3.50	ppb
Calcium	43-1	4884.23	4940.78	4896.49	4907.17	0.61	ppb
Calcium	44-1	5505.88	5523.84	5472.51	5500.74	0.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.07	8.91	8.72	8.90	1.94	ppb
Cobalt	59-2	12.34	12.10	12.44	12.29	1.43	ppb
Copper	63-2	93.12	92.37	91.90	92.46	0.67	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				110		%
Indium	115-1				114		%
Indium	115-2				114		%
Iron	56-2	726.95	704.58	711.49	714.34	1.60	ppb
Iron	57-2	666.47	671.74	664.16	667.46	0.58	ppb
Iron	54-2	664.11	647.44	660.08	657.21	1.32	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:25:44	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	40.66	40.02	39.82	40.17	1.09	ppb
Lead	207-1	40.50	39.91	37.51	39.30	4.03	ppb
Lead	208-1	40.30	39.48	38.43	39.41	2.38	ppb
Lithium	6-1				87		%
Magnesium	24-2	1214.48	1206.49	1214.72	1211.90	0.39	ppb
Manganese	55-2	331.47	328.64	328.50	329.54	0.51	ppb
Molybdenum	94-1	36.81	38.02	35.96	36.93	2.81	ppb
Molybdenum	95-1	27.94	29.07	27.54	28.18	2.81	ppb
Molybdenum	96-1	29.45	30.47	28.10	29.34	4.05	ppb
Molybdenum	97-1	28.29	29.23	28.26	28.59	1.92	ppb
Molybdenum	98-1	28.09	29.30	27.64	28.34	3.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.91	12.54	12.77	12.74	1.44	ppb
Phosphorus	31-2	-14.27	16.16	-1.04	0.28	5412.66	ppb
Potassium	39-2	1008.36	989.61	1001.17	999.71	0.95	ppb
Rhodium	103-1				115		%
Rhodium	103-2				114		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	82-1	9.57	10.44	9.57	9.86	5.10	ppb
Selenium	77-2	9.96	11.84	10.92	10.91	8.58	ppb
Selenium	78-2	9.44	8.90	8.94	9.09	3.27	ppb
Silicon	28-1	60.77	62.76	59.55	61.03	2.66	ppb
Silver	107-1	1.54	1.57	1.71	1.61	5.55	ppb
Silver	109-1	1.47	1.43	1.45	1.45	1.45	ppb
Sodium	23-2	882.19	877.52	880.59	880.10	0.27	ppb
Strontium	86-1	27.72	28.75	26.39	27.62	4.27	ppb
Strontium	88-1	26.51	27.15	25.68	26.44	2.79	ppb
Sulfur	34-1	5129.22	5010.29	4511.09	4883.53	6.72	ppb
Terbium	159-1				111		%
Terbium	159-2				112		%
Thallium	203-1	8.18	8.00	7.60	7.93	3.71	ppb
Thallium	205-1	7.91	7.66	7.59	7.72	2.15	ppb
Tin	118-1	7.48	7.22	7.45	7.38	1.92	ppb
Titanium	47-1	0.30	0.32	0.24	0.29	14.63	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:25:44	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.35	7.34	6.92	7.20	3.40	ppb
Vanadium	51-2	10.57	10.11	10.40	10.36	2.27	ppb
Yttrium	89-1				117		%
Yttrium	89-2				118		%
Zinc	66-2	116.79	116.49	116.84	116.71	0.16	ppb
Zirconium	90-1	7.35	7.65	7.27	7.42	2.68	ppb
Zirconium	91-1	7.65	8.12	7.40	7.72	4.72	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:28:59	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1518.65	1537.32	1514.83	1523.60	0.79	ppb
Antimony	121-1	8.11	7.93	8.12	8.05	1.28	ppb
Arsenic	75-2	11.81	11.46	12.24	11.84	3.29	ppb
Barium	135-1	37.83	36.91	37.43	37.39	1.24	ppb
Barium	137-1	38.13	37.47	37.98	37.86	0.92	ppb
Beryllium	9-1	9.48	9.89	9.73	9.70	2.14	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.38	8.84	9.47	9.56	8.13	ppb
Cadmium	106-1	8.58	7.11	8.59	8.09	10.51	ppb
Cadmium	111-1	9.22	9.14	9.49	9.28	1.95	ppb
Calcium	43-1	4709.64	4854.04	4713.16	4758.95	1.73	ppb
Calcium	44-1	5290.60	5333.73	5324.47	5316.27	0.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.09	8.75	9.09	8.98	2.20	ppb
Cobalt	59-2	12.15	12.42	12.00	12.19	1.76	ppb
Copper	63-2	91.19	90.86	90.24	90.77	0.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				111		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	706.78	712.76	700.15	706.56	0.89	ppb
Iron	57-2	660.85	666.69	659.37	662.30	0.58	ppb
Iron	54-2	647.55	651.93	642.41	647.30	0.74	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:28:59	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	38.67	39.00	39.62	39.09	1.23	ppb
Lead	207-1	37.08	38.00	37.74	37.61	1.27	ppb
Lead	208-1	37.23	37.92	37.84	37.67	1.01	ppb
Lithium	6-1				87		%
Magnesium	24-2	1189.63	1194.75	1202.81	1195.73	0.56	ppb
Manganese	55-2	325.59	326.32	326.34	326.08	0.13	ppb
Molybdenum	94-1	36.60	37.32	36.81	36.91	1.00	ppb
Molybdenum	95-1	28.61	28.31	28.09	28.33	0.92	ppb
Molybdenum	96-1	29.24	29.21	29.00	29.15	0.45	ppb
Molybdenum	97-1	28.34	28.73	27.97	28.35	1.34	ppb
Molybdenum	98-1	28.40	28.37	28.59	28.45	0.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.78	12.36	12.43	12.52	1.83	ppb
Phosphorus	31-2	-22.00	-18.52	6.16	-11.46		ppb
Potassium	39-2	980.48	974.57	974.63	976.56	0.35	ppb
Rhodium	103-1				115		%
Rhodium	103-2				115		%
Scandium	45-1				112		%
Scandium	45-2				107		%
Selenium	82-1	10.01	10.56	10.15	10.24	2.77	ppb
Selenium	77-2	7.87	12.33	10.75	10.32	21.93	ppb
Selenium	78-2	6.62	7.04	9.53	7.73	20.35	ppb
Silicon	28-1	58.60	59.77	58.83	59.07	1.05	ppb
Silver	107-1	1.55	1.52	1.55	1.54	0.99	ppb
Silver	109-1	1.38	1.40	1.43	1.40	1.71	ppb
Sodium	23-2	866.24	859.67	865.36	863.76	0.41	ppb
Strontium	86-1	27.80	27.40	27.31	27.50	0.95	ppb
Strontium	88-1	26.03	26.38	26.16	26.19	0.67	ppb
Sulfur	34-1	4574.51	4995.45	4442.85	4670.94	6.18	ppb
Terbium	159-1				110		%
Terbium	159-2				112		%
Thallium	203-1	7.48	7.73	7.71	7.64	1.78	ppb
Thallium	205-1	7.30	7.41	7.30	7.34	0.88	ppb
Tin	118-1	7.28	7.15	7.37	7.27	1.51	ppb
Titanium	47-1	0.30	0.21	0.31	0.28	20.67	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:28:59	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.78	7.04	6.94	6.92	1.87	ppb
Vanadium	51-2	10.39	10.39	10.33	10.37	0.38	ppb
Yttrium	89-1				116		%
Yttrium	89-2				118		%
Zinc	66-2	115.30	113.58	114.25	114.37	0.76	ppb
Zirconium	90-1	7.53	7.44	7.48	7.49	0.59	ppb
Zirconium	91-1	7.85	7.81	7.73	7.80	0.73	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:32:13	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3593.76	3588.94	3594.64	3592.45	0.09	ppb
Antimony	121-1	0.10	0.11	0.12	0.11	7.87	ppb
Arsenic	75-2	2.21	1.92	2.26	2.13	8.54	ppb
Barium	135-1	3.76	3.76	3.73	3.75	0.43	ppb
Barium	137-1	3.92	3.86	4.10	3.96	3.20	ppb
Beryllium	9-1	0.33	0.29	0.37	0.33	12.75	ppb
Bismuth	209-1				107		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.51	0.46	0.90	0.62	37.97	ppb
Cadmium	106-1	-0.40	-0.24	0.66	0.01	8114.67	ppb
Cadmium	111-1	0.70	0.76	0.81	0.76	7.19	ppb
Calcium	43-1	8563.06	8799.88	8542.10	8635.01	1.66	ppb
Calcium	44-1	9573.01	9858.88	9403.31	9611.73	2.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.83	7.73	7.69	7.75	0.91	ppb
Cobalt	59-2	11.14	11.22	10.98	11.11	1.08	ppb
Copper	63-2	65.67	66.45	65.59	65.90	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				111		%
Holmium	165-2				113		%
Indium	115-1				114		%
Indium	115-2				116		%
Iron	56-2	1754.27	1746.08	1725.64	1742.00	0.85	ppb
Iron	57-2	1602.45	1618.13	1600.88	1607.15	0.59	ppb
Iron	54-2	1599.09	1623.18	1576.03	1599.43	1.47	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:32:13	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	11.91	11.60	11.28	11.60	2.72	ppb
Lead	207-1	10.90	10.90	10.35	10.71	2.95	ppb
Lead	208-1	11.02	11.01	10.70	10.91	1.68	ppb
Lithium	6-1				86		%
Magnesium	24-2	1254.72	1244.81	1240.25	1246.60	0.59	ppb
Manganese	55-2	720.60	714.26	710.11	714.99	0.74	ppb
Molybdenum	94-1	0.15	0.16	0.15	0.16	2.60	ppb
Molybdenum	95-1	0.03	0.01	0.00	0.01	98.79	ppb
Molybdenum	96-1	0.05	0.05	0.03	0.05	24.45	ppb
Molybdenum	97-1	0.04	0.04	0.02	0.04	27.06	ppb
Molybdenum	98-1	0.03	0.01	0.02	0.02	37.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.39	11.37	11.02	11.26	1.87	ppb
Phosphorus	31-2	526.05	550.79	553.25	543.36	2.77	ppb
Potassium	39-2	1371.50	1380.50	1376.62	1376.21	0.33	ppb
Rhodium	103-1				118		%
Rhodium	103-2				115		%
Scandium	45-1				110		%
Scandium	45-2				108		%
Selenium	82-1	1.25	0.92	0.75	0.97	26.22	ppb
Selenium	77-2	7.71	6.30	5.57	6.53	16.66	ppb
Selenium	78-2	1.09	2.17	-0.36	0.97	131.36	ppb
Silicon	28-1	171.83	172.25	166.97	170.35	1.72	ppb
Silver	107-1	0.05	0.05	0.05	0.05	5.83	ppb
Silver	109-1	0.02	0.01	0.01	0.01	27.91	ppb
Sodium	23-2	333.33	337.30	333.38	334.67	0.68	ppb
Strontium	86-1	24.07	24.17	23.92	24.06	0.52	ppb
Strontium	88-1	22.64	23.58	23.54	23.25	2.29	ppb
Sulfur	34-1	17714.67	18348.23	17302.79	17788.57	2.96	ppb
Terbium	159-1				112		%
Terbium	159-2				113		%
Thallium	203-1	0.10	0.08	0.08	0.09	11.84	ppb
Thallium	205-1	0.07	0.07	0.08	0.08	1.24	ppb
Tin	118-1	-0.04	-0.05	-0.03	-0.04		ppb
Titanium	47-1	1.88	1.79	1.80	1.82	2.70	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:32:13	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.82	1.74	1.77	1.78	2.25	ppb
Vanadium	51-2	9.59	9.77	9.64	9.67	0.97	ppb
Yttrium	89-1				122		%
Yttrium	89-2				122		%
Zinc	66-2	89.16	91.25	88.41	89.61	1.64	ppb
Zirconium	90-1	0.08	0.09	0.08	0.08	3.09	ppb
Zirconium	91-1	0.10	0.09	0.09	0.09	10.19	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:35:28	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3128.84	3154.10	3130.71	3137.88	0.45	ppb
Antimony	121-1	0.11	0.11	0.12	0.11	4.44	ppb
Arsenic	75-2	2.29	2.09	2.12	2.17	4.94	ppb
Barium	135-1	3.95	3.76	4.12	3.94	4.60	ppb
Barium	137-1	3.93	3.85	3.89	3.89	0.92	ppb
Beryllium	9-1	0.32	0.24	0.24	0.27	16.54	ppb
Bismuth	209-1				112		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.75	0.75	0.98	0.82	16.10	ppb
Cadmium	106-1	-0.07	-0.87	-0.61	-0.52		ppb
Cadmium	111-1	0.60	0.53	0.54	0.55	6.69	ppb
Calcium	43-1	6842.77	7117.10	7112.82	7024.23	2.24	ppb
Calcium	44-1	7685.25	7995.85	7880.44	7853.85	2.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.65	7.58	7.63	7.62	0.52	ppb
Cobalt	59-2	8.71	8.89	8.76	8.79	1.07	ppb
Copper	63-2	53.79	55.04	54.54	54.46	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				112		%
Holmium	165-2				114		%
Indium	115-1				116		%
Indium	115-2				118		%
Iron	56-2	2175.34	2176.01	2231.25	2194.20	1.46	ppb
Iron	57-2	1970.67	2000.31	2007.10	1992.69	0.97	ppb
Iron	54-2	1974.55	1985.21	1988.34	1982.70	0.36	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:35:28	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	11.61	10.99	11.23	11.27	2.79	ppb
Lead	207-1	10.42	10.05	10.49	10.32	2.29	ppb
Lead	208-1	10.71	10.45	10.63	10.60	1.25	ppb
Lithium	6-1				88		%
Magnesium	24-2	1115.50	1125.31	1121.69	1120.83	0.44	ppb
Manganese	55-2	564.41	581.36	573.33	573.03	1.48	ppb
Molybdenum	94-1	0.13	0.09	0.12	0.11	17.09	ppb
Molybdenum	95-1	0.03	0.02	0.03	0.03	37.97	ppb
Molybdenum	96-1	0.05	0.04	0.05	0.05	8.96	ppb
Molybdenum	97-1	0.03	0.04	0.02	0.03	32.03	ppb
Molybdenum	98-1	0.00	0.01	0.01	0.01	60.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.33	9.39	9.30	9.34	0.47	ppb
Phosphorus	31-2	528.94	583.21	573.68	561.94	5.16	ppb
Potassium	39-2	1182.75	1178.89	1180.10	1180.58	0.17	ppb
Rhodium	103-1				117		%
Rhodium	103-2				118		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	0.52	0.65	0.57	0.58	11.18	ppb
Selenium	77-2	7.46	5.07	4.47	5.66	27.94	ppb
Selenium	78-2	0.42	1.28	0.92	0.87	49.38	ppb
Silicon	28-1	152.16	156.10	153.01	153.76	1.35	ppb
Silver	107-1	0.05	0.05	0.04	0.05	7.97	ppb
Silver	109-1	0.01	0.01	0.01	0.01	10.77	ppb
Sodium	23-2	273.06	269.63	272.75	271.81	0.70	ppb
Strontium	86-1	18.67	18.74	18.68	18.70	0.18	ppb
Strontium	88-1	18.37	18.59	18.35	18.44	0.70	ppb
Sulfur	34-1	15962.76	17208.79	17126.81	16766.12	4.16	ppb
Terbium	159-1				111		%
Terbium	159-2				115		%
Thallium	203-1	0.06	0.07	0.06	0.06	11.13	ppb
Thallium	205-1	0.06	0.07	0.07	0.07	5.67	ppb
Tin	118-1	-0.05	-0.05	-0.01	-0.04		ppb
Titanium	47-1	2.66	2.98	2.90	2.85	5.81	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:35:28	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.67	1.67	1.66	1.67	0.40	ppb
Vanadium	51-2	9.10	9.20	9.41	9.24	1.68	ppb
Yttrium	89-1				125		%
Yttrium	89-2				124		%
Zinc	66-2	75.87	76.44	76.35	76.22	0.40	ppb
Zirconium	90-1	0.05	0.05	0.04	0.05	9.54	ppb
Zirconium	91-1	0.05	0.05	0.05	0.05	0.50	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:38:42	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3425.54	3472.43	3470.13	3456.03	0.76	ppb
Antimony	121-1	0.12	0.12	0.12	0.12	1.79	ppb
Arsenic	75-2	1.98	2.09	2.11	2.06	3.53	ppb
Barium	135-1	4.06	3.92	4.09	4.02	2.22	ppb
Barium	137-1	4.21	4.15	4.06	4.14	1.79	ppb
Beryllium	9-1	0.25	0.24	0.31	0.27	14.08	ppb
Bismuth	209-1				110		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.57	0.65	0.46	0.56	17.40	ppb
Cadmium	106-1	0.22	0.14	-1.23	-0.29		ppb
Cadmium	111-1	0.72	0.65	0.58	0.65	10.68	ppb
Calcium	43-1	7325.77	7452.10	7715.65	7497.84	2.65	ppb
Calcium	44-1	8302.78	8351.92	8470.38	8375.03	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.34	7.19	7.16	7.23	1.36	ppb
Cobalt	59-2	9.79	9.94	9.95	9.89	0.91	ppb
Copper	63-2	61.30	61.82	61.87	61.66	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				119		%
Iron	56-2	1904.71	1918.95	1920.45	1914.70	0.45	ppb
Iron	57-2	1719.56	1732.49	1746.70	1732.92	0.78	ppb
Iron	54-2	1723.22	1731.08	1737.38	1730.56	0.41	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:38:42	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	10.86	11.12	11.46	11.15	2.68	ppb
Lead	207-1	9.72	10.24	10.81	10.26	5.33	ppb
Lead	208-1	10.24	10.60	10.93	10.59	3.23	ppb
Lithium	6-1				86		%
Magnesium	24-2	1105.79	1120.25	1118.36	1114.80	0.70	ppb
Manganese	55-2	617.96	622.41	621.56	620.64	0.38	ppb
Molybdenum	94-1	0.08	0.10	0.08	0.09	15.35	ppb
Molybdenum	95-1	0.02	0.02	0.02	0.02	4.25	ppb
Molybdenum	96-1	0.04	0.04	0.03	0.03	10.74	ppb
Molybdenum	97-1	0.03	0.03	0.03	0.03	15.98	ppb
Molybdenum	98-1	0.01	0.02	0.01	0.01	41.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.36	10.24	10.24	10.28	0.68	ppb
Phosphorus	31-2	533.81	511.08	529.41	524.76	2.30	ppb
Potassium	39-2	1252.28	1264.45	1274.80	1263.84	0.89	ppb
Rhodium	103-1				116		%
Rhodium	103-2				117		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	0.67	0.77	1.28	0.91	36.21	ppb
Selenium	77-2	5.56	4.80	5.71	5.36	9.07	ppb
Selenium	78-2	0.32	0.30	1.81	0.81	106.80	ppb
Silicon	28-1	159.62	156.49	168.16	161.42	3.74	ppb
Silver	107-1	0.04	0.04	0.04	0.04	1.24	ppb
Silver	109-1	0.01	0.00	0.00	0.00	43.87	ppb
Sodium	23-2	288.30	293.54	295.72	292.52	1.30	ppb
Strontium	86-1	19.13	19.60	20.49	19.74	3.50	ppb
Strontium	88-1	19.57	19.48	20.06	19.70	1.58	ppb
Sulfur	34-1	15801.16	16217.81	17952.68	16657.21	6.85	ppb
Terbium	159-1				111		%
Terbium	159-2				116		%
Thallium	203-1	0.06	0.06	0.09	0.07	26.10	ppb
Thallium	205-1	0.07	0.07	0.08	0.07	3.92	ppb
Tin	118-1	-0.01	-0.01	-0.03	-0.02		ppb
Titanium	47-1	2.22	2.23	2.34	2.26	2.94	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:38:42	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.81	1.88	2.02	1.91	5.42	ppb
Vanadium	51-2	9.18	9.27	9.38	9.28	1.10	ppb
Yttrium	89-1				126		%
Yttrium	89-2				125		%
Zinc	66-2	82.59	83.15	83.66	83.13	0.64	ppb
Zirconium	90-1	0.04	0.04	0.05	0.04	17.28	ppb
Zirconium	91-1	0.05	0.05	0.04	0.05	20.52	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:41:56	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3396.76	3376.56	3403.55	3392.29	0.41	ppb
Antimony	121-1	0.13	0.13	0.13	0.13	2.82	ppb
Arsenic	75-2	2.35	2.19	2.47	2.34	6.12	ppb
Barium	135-1	4.40	4.46	4.18	4.35	3.32	ppb
Barium	137-1	4.51	4.40	4.27	4.39	2.80	ppb
Beryllium	9-1	0.21	0.26	0.30	0.26	17.11	ppb
Bismuth	209-1				108		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.57	0.83	0.79	0.73	18.79	ppb
Cadmium	106-1	-0.20	-1.85	-1.09	-1.05		ppb
Cadmium	111-1	0.69	0.51	0.49	0.56	20.16	ppb
Calcium	43-1	7028.42	6883.75	7169.21	7027.12	2.03	ppb
Calcium	44-1	7875.99	7827.68	7981.81	7895.16	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.10	8.39	8.10	8.20	2.10	ppb
Cobalt	59-2	9.41	9.53	9.76	9.57	1.84	ppb
Copper	63-2	61.40	60.96	62.33	61.56	1.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				113		%
Indium	115-1				114		%
Indium	115-2				119		%
Iron	56-2	2413.78	2370.83	2399.24	2394.61	0.91	ppb
Iron	57-2	2178.39	2173.48	2165.77	2172.55	0.29	ppb
Iron	54-2	2171.60	2161.92	2180.48	2171.33	0.43	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:41:56	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	12.66	12.81	11.99	12.49	3.49	ppb
Lead	207-1	11.26	11.57	11.26	11.37	1.58	ppb
Lead	208-1	11.74	11.77	11.47	11.66	1.44	ppb
Lithium	6-1				84		%
Magnesium	24-2	1149.38	1140.35	1142.64	1144.13	0.41	ppb
Manganese	55-2	642.15	644.96	643.65	643.59	0.22	ppb
Molybdenum	94-1	0.07	0.08	0.07	0.07	10.33	ppb
Molybdenum	95-1	0.04	0.04	0.03	0.03	21.77	ppb
Molybdenum	96-1	0.05	0.04	0.06	0.05	14.25	ppb
Molybdenum	97-1	0.05	0.05	0.04	0.04	10.56	ppb
Molybdenum	98-1	0.00	0.02	0.01	0.01	153.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.21	10.30	10.32	10.28	0.53	ppb
Phosphorus	31-2	614.42	569.16	536.14	573.24	6.86	ppb
Potassium	39-2	1241.81	1229.46	1236.89	1236.05	0.50	ppb
Rhodium	103-1				116		%
Rhodium	103-2				118		%
Scandium	45-1				114		%
Scandium	45-2				111		%
Selenium	82-1	0.65	0.81	1.07	0.84	25.34	ppb
Selenium	77-2	5.24	7.57	6.52	6.44	18.14	ppb
Selenium	78-2	1.97	2.11	2.52	2.20	13.16	ppb
Silicon	28-1	164.04	165.87	164.15	164.68	0.62	ppb
Silver	107-1	0.04	0.04	0.04	0.04	5.93	ppb
Silver	109-1	0.00	0.01	0.01	0.00	19.93	ppb
Sodium	23-2	262.04	255.08	259.37	258.83	1.36	ppb
Strontium	86-1	19.09	19.84	19.70	19.54	2.02	ppb
Strontium	88-1	18.80	18.61	18.93	18.78	0.85	ppb
Sulfur	34-1	17762.13	17309.78	18059.51	17710.47	2.13	ppb
Terbium	159-1				111		%
Terbium	159-2				115		%
Thallium	203-1	0.07	0.08	0.07	0.07	11.22	ppb
Thallium	205-1	0.08	0.07	0.08	0.08	3.14	ppb
Tin	118-1	-0.04	-0.05	-0.07	-0.05		ppb
Titanium	47-1	2.96	2.93	3.08	2.99	2.74	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:41:56	DataFile Name :	087SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.94	1.97	1.92	1.94	1.35	ppb
Vanadium	51-2	10.26	9.94	10.08	10.09	1.61	ppb
Yttrium	89-1				125		%
Yttrium	89-2				125		%
Zinc	66-2	76.03	73.89	76.27	75.39	1.74	ppb
Zirconium	90-1	0.05	0.04	0.05	0.05	9.63	ppb
Zirconium	91-1	0.06	0.05	0.07	0.06	20.51	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:04:00	DataFile Name :	088CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47009.52	46705.22	46301.53	46672.09	0.76	ppb
Antimony	121-1	520.60	523.33	533.61	525.85	1.30	ppb
Arsenic	75-2	481.53	476.11	480.23	479.29	0.59	ppb
Barium	135-1	2576.58	2603.47	2680.09	2620.04	2.05	ppb
Barium	137-1	2572.97	2542.49	2639.12	2584.86	1.91	ppb
Beryllium	9-1	549.11	533.09	553.42	545.21	1.96	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	522.60	510.68	524.76	519.35	1.46	ppb
Cadmium	106-1	519.84	518.18	522.53	520.18	0.42	ppb
Cadmium	111-1	495.38	495.01	507.14	499.18	1.38	ppb
Calcium	43-1	247125.92	248784.27	245909.67	247273.29	0.58	ppb
Calcium	44-1	248375.23	250185.02	250191.07	249583.77	0.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	526.44	519.67	514.64	520.25	1.14	ppb
Cobalt	59-2	519.70	516.24	513.55	516.49	0.60	ppb
Copper	63-2	5279.44	5187.73	5179.54	5215.57	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				115		%
Indium	115-1				115		%
Indium	115-2				115		%
Iron	56-2	126393.23	125333.54	127138.51	126288.43	0.72	ppb
Iron	57-2	129016.38	125946.46	125209.27	126724.04	1.59	ppb
Iron	54-2	129686.57	127210.71	125505.73	127467.67	1.65	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:04:00	DataFile Name :	088CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2562.36	2660.41	2603.81	2608.86	1.89	ppb
Lead	207-1	2521.42	2596.75	2528.74	2548.97	1.63	ppb
Lead	208-1	2550.94	2617.71	2550.58	2573.08	1.50	ppb
Lithium	6-1				85		%
Magnesium	24-2	239164.88	236568.95	235888.38	237207.40	0.73	ppb
Manganese	55-2	5125.73	5053.31	5113.40	5097.48	0.76	ppb
Molybdenum	94-1	4949.63	4985.77	4898.13	4944.51	0.89	ppb
Molybdenum	95-1	4928.71	4912.99	4979.72	4940.47	0.71	ppb
Molybdenum	96-1	4945.45	5005.46	5002.70	4984.54	0.68	ppb
Molybdenum	97-1	4994.88	4926.56	5015.57	4979.00	0.94	ppb
Molybdenum	98-1	4897.07	4891.95	4979.92	4922.98	1.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	511.06	503.11	501.22	505.13	1.03	ppb
Phosphorus	31-2	9809.80	9637.66	9624.16	9690.54	1.07	ppb
Potassium	39-2	121934.40	119767.83	122491.14	121397.79	1.19	ppb
Rhodium	103-1				112		%
Rhodium	103-2				112		%
Scandium	45-1				117		%
Scandium	45-2				111		%
Selenium	82-1	470.86	471.06	480.16	474.03	1.12	ppb
Selenium	77-2	459.73	441.00	456.94	452.56	2.23	ppb
Selenium	78-2	476.45	463.89	466.61	468.98	1.41	ppb
Silicon	28-1	486.66	501.12	495.36	494.38	1.47	ppb
Silver	107-1	545.83	549.31	541.25	545.46	0.74	ppb
Silver	109-1	536.31	528.39	531.49	532.07	0.75	ppb
Sodium	23-2	246721.55	240488.88	242335.97	243182.14	1.32	ppb
Strontium	86-1	442.02	440.11	446.11	442.74	0.69	ppb
Strontium	88-1	502.93	506.43	512.40	507.25	0.94	ppb
Sulfur	34-1	8038.02	7925.86	7656.83	7873.57	2.49	ppb
Terbium	159-1				113		%
Terbium	159-2				116		%
Thallium	203-1	516.54	533.95	533.21	527.90	1.86	ppb
Thallium	205-1	507.17	524.37	514.56	515.37	1.67	ppb
Tin	118-1	526.78	528.61	535.00	530.13	0.81	ppb
Titanium	47-1	4957.64	5054.98	5054.04	5022.22	1.11	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:04:00	DataFile Name :	088CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	482.61	499.32	502.10	494.67	2.13	ppb
Vanadium	51-2	520.05	509.36	517.85	515.75	1.09	ppb
Yttrium	89-1				122		%
Yttrium	89-2				119		%
Zinc	66-2	5189.18	5162.18	5048.24	5133.20	1.46	ppb
Zirconium	90-1	507.70	500.09	505.31	504.36	0.77	ppb
Zirconium	91-1	513.55	443.01	448.22	468.26	8.39	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:11:51	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.25	0.02	0.13	-0.03		ppb
Antimony	121-1	0.03	0.03	0.04	0.04	15.31	ppb
Arsenic	75-2	-0.03	-0.01	0.00	-0.01		ppb
Barium	135-1	0.01	0.00	0.01	0.01	69.23	ppb
Barium	137-1	0.00	0.01	0.01	0.01	51.03	ppb
Beryllium	9-1	0.00	0.00	0.01	0.00	143.48	ppb
Bismuth	209-1				110		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.16	0.04	0.07	123.38	ppb
Cadmium	106-1	-2.90	-4.80	-2.69	-3.46		ppb
Cadmium	111-1	-0.18	-0.33	-0.17	-0.23		ppb
Calcium	43-1	-5.11	-5.56	-6.73	-5.80		ppb
Calcium	44-1	8.71	8.59	6.55	7.95	15.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.07	0.07	0.00	0.00		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	272.44	ppb
Copper	63-2	-0.27	-0.24	-0.26	-0.26		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				110		%
Indium	115-1				113		%
Indium	115-2				114		%
Iron	56-2	1.04	0.82	0.64	0.83	24.46	ppb
Iron	57-2	0.01	-0.28	0.79	0.17	318.92	ppb
Iron	54-2	0.97	1.45	0.58	1.00	43.80	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:11:51	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.01	0.02	0.02	62.05	ppb
Lead	207-1	0.03	0.03	0.02	0.03	30.89	ppb
Lead	208-1	0.04	0.03	0.03	0.03	16.65	ppb
Lithium	6-1				86		%
Magnesium	24-2	1.27	1.04	0.59	0.96	35.73	ppb
Manganese	55-2	-0.61	-0.59	-0.63	-0.61		ppb
Molybdenum	94-1	0.06	0.02	0.07	0.05	47.89	ppb
Molybdenum	95-1	0.02	0.02	0.05	0.03	57.17	ppb
Molybdenum	96-1	0.06	0.04	0.03	0.04	29.99	ppb
Molybdenum	97-1	0.07	0.06	0.05	0.06	17.90	ppb
Molybdenum	98-1	0.04	0.03	0.01	0.03	52.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.06	-0.02	-0.02		ppb
Phosphorus	31-2	-180.32	-179.45	-182.39	-180.72		ppb
Potassium	39-2	1.85	-2.01	-0.01	-0.06		ppb
Rhodium	103-1				114		%
Rhodium	103-2				115		%
Scandium	45-1				110		%
Scandium	45-2				106		%
Selenium	82-1	0.20	0.02	1.29	0.51	136.37	ppb
Selenium	77-2	-0.26	-0.26	-0.26	-0.26		ppb
Selenium	78-2	-1.10	0.34	-2.23	-1.00		ppb
Silicon	28-1	-0.93	-0.55	-1.03	-0.84		ppb
Silver	107-1	0.01	0.01	0.01	0.01	19.09	ppb
Silver	109-1	0.01	0.01	0.01	0.01	15.62	ppb
Sodium	23-2	12.07	11.81	11.81	11.90	1.26	ppb
Strontium	86-1	0.01	-0.04	0.00	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	275.18	ppb
Sulfur	34-1	-2134.18	-2294.94	-2321.16	-2250.09		ppb
Terbium	159-1				110		%
Terbium	159-2				114		%
Thallium	203-1	0.08	0.07	0.07	0.07	7.60	ppb
Thallium	205-1	0.08	0.08	0.07	0.08	5.84	ppb
Tin	118-1	-0.12	-0.12	-0.13	-0.12		ppb
Titanium	47-1	0.00	-0.02	-0.02	-0.01		ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:11:51	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	8.87	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	85.91	ppb
Yttrium	89-1				114		%
Yttrium	89-2				116		%
Zinc	66-2	-0.15	-0.21	-0.18	-0.18		ppb
Zirconium	90-1	0.02	0.01	0.02	0.02	18.91	ppb
Zirconium	91-1	0.01	0.03	0.02	0.02	49.64	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:15:06	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2462.10	2419.30	2447.25	2442.88	0.89	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	5.16	ppb
Arsenic	75-2	2.86	2.73	2.83	2.81	2.38	ppb
Barium	135-1	5.19	5.30	5.54	5.34	3.38	ppb
Barium	137-1	5.45	5.46	5.36	5.42	0.96	ppb
Beryllium	9-1	-0.21	-0.31	-0.16	-0.23		ppb
Bismuth	209-1				111		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.80	0.40	0.38	0.52	45.17	ppb
Cadmium	106-1	-0.46	-1.61	-1.22	-1.09		ppb
Cadmium	111-1	0.38	0.26	0.28	0.30	20.55	ppb
Calcium	43-1	10747.21	11099.30	10729.37	10858.62	1.92	ppb
Calcium	44-1	12269.33	12346.93	12155.32	12257.19	0.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.75	1.68	1.63	1.69	3.69	ppb
Cobalt	59-2	5.97	5.99	5.97	5.98	0.20	ppb
Copper	63-2	9.08	9.20	9.29	9.19	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				116		%
Iron	56-2	1014.55	1010.78	985.15	1003.49	1.59	ppb
Iron	57-2	952.61	921.40	950.91	941.64	1.86	ppb
Iron	54-2	899.11	895.18	899.86	898.05	0.28	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:15:06	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.59	3.57	3.57	3.58	0.24	ppb
Lead	207-1	3.19	3.33	3.23	3.25	2.23	ppb
Lead	208-1	3.30	3.34	3.24	3.29	1.55	ppb
Lithium	6-1				88		%
Magnesium	24-2	1567.70	1553.08	1577.12	1565.97	0.77	ppb
Manganese	55-2	555.46	561.94	553.88	557.10	0.77	ppb
Molybdenum	94-1	0.17	0.14	0.16	0.15	9.81	ppb
Molybdenum	95-1	0.01	0.03	0.03	0.02	39.11	ppb
Molybdenum	96-1	0.05	0.04	0.04	0.04	13.71	ppb
Molybdenum	97-1	0.04	0.01	0.02	0.02	54.49	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	57.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.38	6.16	6.03	6.19	2.84	ppb
Phosphorus	31-2	324.25	304.13	332.19	320.19	4.52	ppb
Potassium	39-2	1720.99	1699.03	1713.61	1711.21	0.65	ppb
Rhodium	103-1				115		%
Rhodium	103-2				117		%
Scandium	45-1				113		%
Scandium	45-2				110		%
Selenium	82-1	1.02	0.56	0.82	0.80	28.98	ppb
Selenium	77-2	2.81	2.37	1.92	2.36	18.83	ppb
Selenium	78-2	1.04	1.57	-0.79	0.61	203.44	ppb
Silicon	28-1	98.23	98.94	98.55	98.57	0.36	ppb
Silver	107-1	0.01	0.01	0.01	0.01	27.87	ppb
Silver	109-1	0.01	0.00	0.00	0.01	35.51	ppb
Sodium	23-2	461.58	461.11	467.92	463.54	0.82	ppb
Strontium	86-1	34.26	34.35	34.17	34.26	0.26	ppb
Strontium	88-1	33.38	33.60	33.00	33.33	0.92	ppb
Sulfur	34-1	17574.51	18103.40	16737.00	17471.64	3.94	ppb
Terbium	159-1				112		%
Terbium	159-2				115		%
Thallium	203-1	0.08	0.10	0.10	0.09	9.93	ppb
Thallium	205-1	0.09	0.09	0.08	0.09	7.89	ppb
Tin	118-1	0.00	0.05	0.04	0.03	87.96	ppb
Titanium	47-1	1.13	1.08	1.11	1.10	2.24	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:15:06	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.30	0.31	0.27	0.29	7.78	ppb
Vanadium	51-2	5.40	5.43	5.19	5.34	2.44	ppb
Yttrium	89-1				119		%
Yttrium	89-2				121		%
Zinc	66-2	71.72	71.19	70.70	71.20	0.71	ppb
Zirconium	90-1	0.08	0.09	0.07	0.08	8.18	ppb
Zirconium	91-1	0.09	0.08	0.07	0.08	9.79	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:18:21	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4886.81	4843.38	4878.05	4869.42	0.47	ppb
Antimony	121-1	0.08	0.08	0.08	0.08	2.91	ppb
Arsenic	75-2	4.40	4.10	4.43	4.31	4.26	ppb
Barium	135-1	8.65	8.46	8.08	8.40	3.44	ppb
Barium	137-1	8.49	8.22	8.28	8.33	1.71	ppb
Beryllium	9-1	0.21	0.12	0.28	0.20	39.98	ppb
Bismuth	209-1				111		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.57	0.49	0.57	0.54	8.73	ppb
Cadmium	106-1	-1.01	0.26	-2.58	-1.11		ppb
Cadmium	111-1	0.42	0.56	0.28	0.42	33.76	ppb
Calcium	43-1	9351.57	9231.96	9569.88	9384.47	1.83	ppb
Calcium	44-1	10747.11	10434.45	10970.83	10717.46	2.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.04	3.93	3.89	3.95	1.85	ppb
Cobalt	59-2	11.86	11.77	12.04	11.89	1.13	ppb
Copper	63-2	26.90	27.04	27.18	27.04	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				114		%
Indium	115-1				117		%
Indium	115-2				116		%
Iron	56-2	1916.04	1924.50	1944.52	1928.35	0.76	ppb
Iron	57-2	1800.69	1769.43	1784.36	1784.83	0.88	ppb
Iron	54-2	1765.60	1761.70	1754.85	1760.72	0.31	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:18:21	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	6.24	6.27	6.28	6.26	0.33	ppb
Lead	207-1	5.57	5.81	5.84	5.74	2.62	ppb
Lead	208-1	5.75	5.86	5.97	5.86	1.88	ppb
Lithium	6-1				88		%
Magnesium	24-2	1656.24	1647.45	1652.33	1652.01	0.27	ppb
Manganese	55-2	886.34	875.67	879.53	880.51	0.61	ppb
Molybdenum	94-1	0.21	0.24	0.26	0.24	10.48	ppb
Molybdenum	95-1	0.08	0.06	0.06	0.07	15.80	ppb
Molybdenum	96-1	0.07	0.07	0.07	0.07	5.05	ppb
Molybdenum	97-1	0.06	0.08	0.04	0.06	32.28	ppb
Molybdenum	98-1	0.04	0.05	0.05	0.04	7.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.62	11.78	12.01	11.80	1.63	ppb
Phosphorus	31-2	424.16	381.34	360.83	388.78	8.31	ppb
Potassium	39-2	2382.52	2347.88	2359.35	2363.25	0.75	ppb
Rhodium	103-1				118		%
Rhodium	103-2				117		%
Scandium	45-1				114		%
Scandium	45-2				109		%
Selenium	82-1	0.23	2.00	0.58	0.94	99.75	ppb
Selenium	77-2	6.37	6.30	4.88	5.85	14.38	ppb
Selenium	78-2	1.12	1.26	1.14	1.18	6.34	ppb
Silicon	28-1	210.77	206.97	212.40	210.05	1.33	ppb
Silver	107-1	0.03	0.03	0.03	0.03	6.14	ppb
Silver	109-1	0.01	0.01	0.01	0.01	35.61	ppb
Sodium	23-2	533.79	530.20	532.63	532.21	0.34	ppb
Strontium	86-1	32.33	32.63	32.12	32.36	0.79	ppb
Strontium	88-1	30.80	31.16	31.47	31.15	1.08	ppb
Sulfur	34-1	19542.74	19483.61	20063.40	19696.58	1.62	ppb
Terbium	159-1				112		%
Terbium	159-2				115		%
Thallium	203-1	0.10	0.10	0.10	0.10	0.38	ppb
Thallium	205-1	0.09	0.10	0.10	0.10	6.90	ppb
Tin	118-1	-0.04	-0.03	-0.05	-0.04		ppb
Titanium	47-1	35.76	35.50	35.91	35.72	0.58	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:18:21	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.08	1.10	1.10	1.09	1.02	ppb
Vanadium	51-2	8.49	8.55	8.61	8.55	0.66	ppb
Yttrium	89-1				123		%
Yttrium	89-2				124		%
Zinc	66-2	79.12	79.65	80.32	79.69	0.76	ppb
Zirconium	90-1	0.11	0.12	0.11	0.11	5.84	ppb
Zirconium	91-1	0.10	0.13	0.09	0.10	20.67	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:21:34	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3635.54	3632.64	3630.31	3632.83	0.07	ppb
Antimony	121-1	0.05	0.06	0.06	0.06	6.19	ppb
Arsenic	75-2	3.13	2.87	3.58	3.19	11.16	ppb
Barium	135-1	5.10	4.96	5.22	5.10	2.56	ppb
Barium	137-1	5.03	5.88	5.19	5.37	8.37	ppb
Beryllium	9-1	0.16	0.20	0.15	0.17	17.70	ppb
Bismuth	209-1				111		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.19	0.71	0.25	0.38	73.87	ppb
Cadmium	106-1	-0.26	-0.65	-0.48	-0.46		ppb
Cadmium	111-1	0.40	0.32	0.33	0.35	13.18	ppb
Calcium	43-1	8078.46	8390.60	8364.56	8277.87	2.09	ppb
Calcium	44-1	9274.96	9330.97	9373.46	9326.46	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.24	2.36	2.31	2.30	2.50	ppb
Cobalt	59-2	8.53	8.67	8.61	8.60	0.78	ppb
Copper	63-2	18.67	18.47	18.75	18.63	0.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				118		%
Iron	56-2	812.49	804.51	817.13	811.38	0.79	ppb
Iron	57-2	759.63	747.29	761.69	756.20	1.03	ppb
Iron	54-2	731.60	730.84	738.53	733.66	0.58	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:21:34	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.37	4.37	4.30	4.35	1.04	ppb
Lead	207-1	3.91	4.03	3.82	3.92	2.67	ppb
Lead	208-1	3.98	4.04	3.94	3.99	1.33	ppb
Lithium	6-1				86		%
Magnesium	24-2	1241.62	1240.35	1224.78	1235.59	0.76	ppb
Manganese	55-2	677.70	670.04	670.72	672.82	0.63	ppb
Molybdenum	94-1	0.07	0.12	0.16	0.12	39.24	ppb
Molybdenum	95-1	0.00	0.02	0.02	0.01	115.20	ppb
Molybdenum	96-1	0.03	0.05	0.03	0.04	33.49	ppb
Molybdenum	97-1	0.04	0.02	0.03	0.03	25.96	ppb
Molybdenum	98-1	0.00	0.01	0.00	0.00	570.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.22	8.22	8.25	8.23	0.23	ppb
Phosphorus	31-2	304.50	319.99	315.50	313.33	2.54	ppb
Potassium	39-2	1933.57	1906.96	1938.87	1926.47	0.89	ppb
Rhodium	103-1				117		%
Rhodium	103-2				117		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	0.61	0.67	0.56	0.61	9.58	ppb
Selenium	77-2	4.70	4.19	3.39	4.09	16.14	ppb
Selenium	78-2	0.96	-0.83	0.11	0.08	1100.17	ppb
Silicon	28-1	139.34	146.31	140.30	141.98	2.66	ppb
Silver	107-1	0.02	0.02	0.02	0.02	1.95	ppb
Silver	109-1	0.00	0.01	0.01	0.01	35.16	ppb
Sodium	23-2	446.43	445.35	442.65	444.81	0.44	ppb
Strontium	86-1	27.35	28.63	26.76	27.58	3.46	ppb
Strontium	88-1	26.55	27.25	25.99	26.60	2.37	ppb
Sulfur	34-1	15259.52	16325.24	15406.47	15663.74	3.69	ppb
Terbium	159-1				111		%
Terbium	159-2				116		%
Thallium	203-1	0.07	0.08	0.08	0.08	7.79	ppb
Thallium	205-1	0.09	0.09	0.07	0.08	9.33	ppb
Tin	118-1	-0.03	-0.03	-0.04	-0.03		ppb
Titanium	47-1	0.99	1.05	1.22	1.09	11.12	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:21:34	DataFile Name :	092SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.77	0.78	0.75	0.77	2.32	ppb
Vanadium	51-2	5.76	5.89	5.83	5.82	1.10	ppb
Yttrium	89-1				123		%
Yttrium	89-2				123		%
Zinc	66-2	67.44	67.20	66.67	67.10	0.59	ppb
Zirconium	90-1	0.08	0.08	0.07	0.07	9.01	ppb
Zirconium	91-1	0.09	0.09	0.08	0.09	6.88	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:24:50	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3310.45	3340.21	3273.36	3308.01	1.01	ppb
Antimony	121-1	0.12	0.12	0.12	0.12	3.08	ppb
Arsenic	75-2	2.21	1.83	2.19	2.07	10.28	ppb
Barium	135-1	3.90	4.27	4.13	4.10	4.50	ppb
Barium	137-1	4.03	4.02	4.06	4.04	0.49	ppb
Beryllium	9-1	0.27	0.25	0.36	0.29	21.10	ppb
Bismuth	209-1				110		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.57	0.88	0.64	0.70	23.25	ppb
Cadmium	106-1	0.25	0.84	-1.10	0.00		ppb
Cadmium	111-1	0.64	0.69	0.55	0.63	11.35	ppb
Calcium	43-1	7172.67	7353.44	7400.82	7308.98	1.65	ppb
Calcium	44-1	8362.90	8530.87	8251.45	8381.74	1.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.75	7.57	7.31	7.55	2.93	ppb
Cobalt	59-2	9.29	9.11	9.19	9.20	0.99	ppb
Copper	63-2	62.18	62.43	61.63	62.08	0.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				115		%
Indium	115-1				118		%
Indium	115-2				119		%
Iron	56-2	2041.63	2021.25	2017.97	2026.95	0.63	ppb
Iron	57-2	1824.96	1837.22	1815.15	1825.77	0.61	ppb
Iron	54-2	1839.72	1844.14	1809.61	1831.16	1.03	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:24:50	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	11.44	11.63	11.75	11.61	1.36	ppb
Lead	207-1	10.33	10.63	11.02	10.66	3.23	ppb
Lead	208-1	10.66	10.90	11.10	10.89	2.04	ppb
Lithium	6-1				86		%
Magnesium	24-2	1175.44	1194.64	1178.32	1182.80	0.88	ppb
Manganese	55-2	638.44	646.30	621.86	635.53	1.96	ppb
Molybdenum	94-1	0.09	0.08	0.07	0.08	10.83	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	10.06	ppb
Molybdenum	96-1	0.03	0.04	0.04	0.04	15.45	ppb
Molybdenum	97-1	0.05	0.02	0.05	0.04	40.08	ppb
Molybdenum	98-1	0.01	0.02	0.02	0.02	30.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.43	9.60	9.63	9.55	1.13	ppb
Phosphorus	31-2	571.67	564.95	576.25	570.95	0.99	ppb
Potassium	39-2	1239.08	1253.04	1235.00	1242.37	0.76	ppb
Rhodium	103-1				117		%
Rhodium	103-2				119		%
Scandium	45-1				113		%
Scandium	45-2				110		%
Selenium	82-1	1.08	0.24	1.18	0.84	62.15	ppb
Selenium	77-2	7.15	7.18	5.68	6.67	12.88	ppb
Selenium	78-2	0.87	2.84	0.63	1.45	83.77	ppb
Silicon	28-1	159.52	161.12	164.58	161.74	1.60	ppb
Silver	107-1	0.04	0.04	0.04	0.04	4.13	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.19	ppb
Sodium	23-2	295.21	296.06	290.33	293.87	1.05	ppb
Strontium	86-1	19.37	20.33	20.26	19.99	2.68	ppb
Strontium	88-1	19.13	19.25	19.54	19.31	1.09	ppb
Sulfur	34-1	16327.34	17000.95	17806.30	17044.86	4.34	ppb
Terbium	159-1				110		%
Terbium	159-2				116		%
Thallium	203-1	0.08	0.09	0.08	0.08	12.51	ppb
Thallium	205-1	0.07	0.07	0.08	0.07	2.14	ppb
Tin	118-1	-0.02	-0.06	-0.04	-0.04		ppb
Titanium	47-1	2.45	2.69	2.66	2.60	4.90	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:24:50	DataFile Name :	093SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.83	1.80	1.92	1.85	3.32	ppb
Vanadium	51-2	9.30	9.38	9.27	9.32	0.60	ppb
Yttrium	89-1				122		%
Yttrium	89-2				124		%
Zinc	66-2	79.46	81.37	78.62	79.81	1.77	ppb
Zirconium	90-1	0.04	0.04	0.05	0.04	11.16	ppb
Zirconium	91-1	0.06	0.05	0.07	0.06	15.16	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:28:02	DataFile Name :	094CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47981.23	47886.92	47961.28	47943.14	0.10	ppb
Antimony	121-1	511.69	526.00	526.71	521.46	1.63	ppb
Arsenic	75-2	495.77	475.27	483.44	484.83	2.13	ppb
Barium	135-1	2537.44	2598.64	2577.41	2571.17	1.21	ppb
Barium	137-1	2562.06	2622.72	2553.73	2579.50	1.46	ppb
Beryllium	9-1	528.07	527.83	527.98	527.96	0.02	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	516.46	515.05	518.73	516.75	0.36	ppb
Cadmium	106-1	518.44	516.02	521.85	518.77	0.56	ppb
Cadmium	111-1	491.40	501.73	505.10	499.41	1.43	ppb
Calcium	43-1	250265.53	248825.69	249030.56	249373.93	0.31	ppb
Calcium	44-1	249777.86	251458.74	250214.40	250483.67	0.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.91	517.35	514.22	517.49	0.65	ppb
Cobalt	59-2	511.02	521.71	518.34	517.03	1.06	ppb
Copper	63-2	5292.59	5253.56	5186.54	5244.23	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				115		%
Indium	115-1				114		%
Indium	115-2				113		%
Iron	56-2	128280.57	125880.32	125879.43	126680.11	1.09	ppb
Iron	57-2	127226.49	128596.25	127670.38	127831.04	0.55	ppb
Iron	54-2	126080.62	126979.76	126817.69	126626.02	0.38	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:28:02	DataFile Name :	094CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2590.83	2609.68	2654.88	2618.46	1.26	ppb
Lead	207-1	2530.82	2575.69	2542.01	2549.51	0.92	ppb
Lead	208-1	2531.11	2585.86	2561.54	2559.50	1.07	ppb
Lithium	6-1				88		%
Magnesium	24-2	244829.65	239742.57	241061.05	241877.75	1.09	ppb
Manganese	55-2	5064.72	5099.89	5138.36	5100.99	0.72	ppb
Molybdenum	94-1	4922.75	5011.95	5004.39	4979.70	0.99	ppb
Molybdenum	95-1	4976.81	5052.30	5007.22	5012.11	0.76	ppb
Molybdenum	96-1	4944.41	5029.77	5020.95	4998.38	0.94	ppb
Molybdenum	97-1	4902.83	5070.40	5062.33	5011.85	1.89	ppb
Molybdenum	98-1	4864.36	5032.50	4927.12	4941.32	1.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.17	509.18	504.51	506.62	0.47	ppb
Phosphorus	31-2	9792.01	9903.77	9747.62	9814.47	0.82	ppb
Potassium	39-2	121695.39	123362.05	119455.47	121504.30	1.61	ppb
Rhodium	103-1				114		%
Rhodium	103-2				111		%
Scandium	45-1				115		%
Scandium	45-2				109		%
Selenium	82-1	468.51	487.10	486.04	480.55	2.17	ppb
Selenium	77-2	483.36	456.68	464.76	468.26	2.92	ppb
Selenium	78-2	486.88	484.21	468.75	479.95	2.04	ppb
Silicon	28-1	490.58	513.57	506.54	503.56	2.34	ppb
Silver	107-1	537.18	542.77	544.75	541.57	0.72	ppb
Silver	109-1	538.80	534.50	535.42	536.24	0.42	ppb
Sodium	23-2	240341.40	240832.37	247111.01	242761.60	1.55	ppb
Strontium	86-1	438.67	449.48	446.17	444.77	1.24	ppb
Strontium	88-1	493.29	500.67	504.49	499.48	1.14	ppb
Sulfur	34-1	7693.65	7856.68	7507.57	7685.96	2.27	ppb
Terbium	159-1				113		%
Terbium	159-2				116		%
Thallium	203-1	528.04	523.89	525.09	525.67	0.41	ppb
Thallium	205-1	517.57	518.97	520.11	518.89	0.25	ppb
Tin	118-1	520.94	536.80	540.79	532.85	1.97	ppb
Titanium	47-1	4986.42	5087.43	5099.82	5057.89	1.23	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:28:02	DataFile Name :	094CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	488.26	499.29	494.08	493.88	1.12	ppb
Vanadium	51-2	507.05	512.18	515.35	511.53	0.82	ppb
Yttrium	89-1				120		%
Yttrium	89-2				117		%
Zinc	66-2	5303.13	5246.19	5185.10	5244.80	1.13	ppb
Zirconium	90-1	491.81	518.27	504.05	504.71	2.62	ppb
Zirconium	91-1	441.00	455.37	448.54	448.30	1.60	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:30:49	DataFile Name :	095CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.15	0.37	0.04	0.09	297.63	ppb
Antimony	121-1	0.11	0.13	0.11	0.11	9.28	ppb
Arsenic	75-2	-0.01	0.00	-0.01	-0.01		ppb
Barium	135-1	0.02	0.02	0.01	0.02	8.24	ppb
Barium	137-1	0.02	0.02	0.03	0.02	2.26	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	100.11	ppb
Bismuth	209-1				110		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.04	-0.03	0.00		ppb
Cadmium	106-1	-1.50	-1.17	-0.82	-1.16		ppb
Cadmium	111-1	-0.07	-0.06	-0.04	-0.06		ppb
Calcium	43-1	-2.74	-2.25	-5.87	-3.62		ppb
Calcium	44-1	22.62	23.46	22.66	22.91	2.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.05	0.04	0.03	80.63	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	16520.68	ppb
Copper	63-2	-0.20	-0.23	-0.22	-0.22		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				111		%
Indium	115-1				114		%
Indium	115-2				114		%
Iron	56-2	1.20	1.14	1.06	1.13	6.34	ppb
Iron	57-2	-0.30	-1.15	0.19	-0.42		ppb
Iron	54-2	1.42	2.08	1.25	1.58	27.96	ppb
Krypton	83-1						cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:30:49	DataFile Name :	095CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.04	0.06	0.05	17.52	ppb
Lead	207-1	0.04	0.06	0.06	0.05	18.34	ppb
Lead	208-1	0.07	0.06	0.06	0.07	5.21	ppb
Lithium	6-1				89		%
Magnesium	24-2	1.29	1.83	1.50	1.54	17.59	ppb
Manganese	55-2	-0.60	-0.59	-0.58	-0.59		ppb
Molybdenum	94-1	0.17	0.15	0.17	0.16	6.14	ppb
Molybdenum	95-1	0.16	0.12	0.13	0.13	14.94	ppb
Molybdenum	96-1	0.18	0.13	0.14	0.15	14.83	ppb
Molybdenum	97-1	0.17	0.15	0.13	0.15	14.47	ppb
Molybdenum	98-1	0.15	0.12	0.12	0.13	13.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.01	-0.01	-0.02		ppb
Phosphorus	31-2	-178.48	-180.52	-181.41	-180.14		ppb
Potassium	39-2	10.44	9.12	8.35	9.31	11.36	ppb
Rhodium	103-1				113		%
Rhodium	103-2				113		%
Scandium	45-1				109		%
Scandium	45-2				105		%
Selenium	82-1	0.03	0.56	0.57	0.39	78.89	ppb
Selenium	77-2	-0.26	-0.03	-0.26	-0.19		ppb
Selenium	78-2	-1.01	-0.98	-0.24	-0.74		ppb
Silicon	28-1	-0.41	-0.67	-0.64	-0.57		ppb
Silver	107-1	0.04	0.04	0.02	0.03	25.18	ppb
Silver	109-1	0.04	0.03	0.02	0.03	25.19	ppb
Sodium	23-2	30.27	28.41	27.41	28.70	5.05	ppb
Strontium	86-1	-0.01	0.00	-0.04	-0.02		ppb
Strontium	88-1	0.01	0.00	0.00	0.00	57.90	ppb
Sulfur	34-1	-2466.87	-2397.19	-2351.77	-2405.28		ppb
Terbium	159-1				109		%
Terbium	159-2				112		%
Thallium	203-1	0.08	0.08	0.09	0.08	4.15	ppb
Thallium	205-1	0.11	0.09	0.10	0.10	7.43	ppb
Tin	118-1	-0.08	-0.08	-0.09	-0.08		ppb
Titanium	47-1	-0.01	0.01	0.02	0.00	378.00	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:30:49	DataFile Name :	095CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.01	0.01	14.04	ppb
Vanadium	51-2	0.00	0.01	0.00	0.00	29.57	ppb
Yttrium	89-1				115		%
Yttrium	89-2				115		%
Zinc	66-2	-0.22	-0.10	-0.19	-0.17		ppb
Zirconium	90-1	0.02	0.02	0.04	0.03	25.45	ppb
Zirconium	91-1	0.05	0.03	0.02	0.03	33.86	ppb

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:42:07	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	243	260	287	263	8.30	cps
Antimony	121-1	37	27	33	32	15.83	cps
Arsenic	75-2	10	10	10	10	0.00	cps
Barium	135-1	13	17	23	18	28.64	cps
Barium	137-1	27	33	7	22	62.43	cps
Beryllium	9-1	10	10	4	8	48.04	cps
Bismuth	209-1	3918712	3920232	3870366	3903103	0.73	cps
Bismuth	209-2	4123648	4017236	3985082	4041989	1.79	cps
Bromine	81-1	8389	8436	8433	8419	0.31	cps
Bromine	81-2	147	187	157	163	12.74	cps
Cadmium	108-1	3	10	3	6	69.34	cps
Cadmium	106-1	2364	2314	2074	2250	6.89	cps
Cadmium	111-1	1665	1616	1449	1577	7.19	cps
Calcium	43-1	353	357	323	344	5.33	cps
Calcium	44-1	26590	26847	26794	26744	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1930	1850	1933	1905	2.48	cps
Cobalt	59-2	87	73	90	83	10.59	cps
Copper	63-2	2850	2807	2867	2841	1.09	cps
Dysprosium	156-1	10	3	3	6	69.34	cps
Dysprosium	156-2	3	0	10	4	114.60	cps
Erbium	164-1	37	33	37	36	5.42	cps
Erbium	164-2	37	27	37	33	17.32	cps
Gadolinium	160-1	33	47	53	44	22.92	cps
Gadolinium	160-2	313	320	353	329	6.52	cps
Holmium	165-1	6183942	6102409	6242198	6176183	1.14	cps
Holmium	165-2	5315508	5301573	5174403	5263828	1.48	cps
Indium	115-1	5547434	5545969	5517244	5536882	0.31	cps
Indium	115-2	2276702	2287982	2238208	2267631	1.15	cps
Iron	56-2	18882	18712	18505	18700	1.01	cps
Iron	57-2	1143	1260	1183	1196	4.96	cps
Iron	54-2	2367	2277	2337	2327	1.97	cps
Krypton	83-1	510	507	523	513	1.72	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:42:07	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	487	503	553	514	6.74	cps
Lead	207-1	453	380	417	417	8.80	cps
Lead	208-1	1900	1916	1861	1892	1.49	cps
Lithium	6-1	487721	481173	480764	483219	0.81	cps
Magnesium	24-2	157	200	147	168	16.90	cps
Manganese	55-2	2057	2177	2134	2122	2.86	cps
Molybdenum	94-1	280	237	257	258	8.41	cps
Molybdenum	95-1	233	183	213	210	11.98	cps
Molybdenum	96-1	257	247	240	248	3.39	cps
Molybdenum	97-1	167	123	217	169	27.65	cps
Molybdenum	98-1	397	300	350	349	13.86	cps
Neodymium	150-1	3	10	0	4	114.60	cps
Neodymium	150-2	0	10	0	3	173.21	cps
Nickel	60-2	560	415	484	487	14.90	cps
Phosphorus	31-2	697	673	597	656	7.98	cps
Potassium	39-2	57953	58314	59141	58469	1.04	cps
Rhodium	103-1	5562782	5682720	5660526	5635343	1.13	cps
Rhodium	103-2	3727733	3759209	3694608	3727184	0.87	cps
Scandium	45-1	3879033	3842064	3862903	3861333	0.48	cps
Scandium	45-2	312481	313553	312856	312963	0.17	cps
Selenium	82-1	101	93	32	76	49.94	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	487	453	470	470	3.55	cps
Silicon	28-1	665188	677630	686082	676300	1.55	cps
Silver	107-1	40	43	53	46	15.15	cps
Silver	109-1	33	27	17	26	32.81	cps
Sodium	23-2	20994	21065	20951	21003	0.27	cps
Strontium	86-1	833	753	773	787	5.29	cps
Strontium	88-1	87	147	113	116	26.01	cps
Sulfur	34-1	211405	212963	212155	212174	0.37	cps
Terbium	159-1	6409435	6466592	6503189	6459739	0.73	cps
Terbium	159-2	5207012	5264376	5170303	5213897	0.91	cps
Thallium	203-1	63	47	60	57	15.56	cps
Thallium	205-1	127	113	97	112	13.39	cps
Tin	118-1	1280	1443	1373	1366	6.00	cps
Titanium	47-1	97	117	120	111	11.36	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:42:07	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7	3	0	3	100.05	cps
Vanadium	51-2	0	20	13	11	91.66	cps
Yttrium	89-1	8657813	8656623	8831022	8715152	1.15	cps
Yttrium	89-2	2515219	2475654	2487049	2492641	0.82	cps
Zinc	66-2	603	603	613	607	0.95	cps
Zirconium	90-1	330	423	267	340	23.18	cps
Zirconium	91-1	60	43	63	56	19.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:48:42	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3570	3530	3700	3600	2.47	cps
Antimony	121-1	11039	11185	11291	11172	1.13	cps
Arsenic	75-2	427	403	413	414	2.83	cps
Barium	135-1	12486	12883	12549	12639	1.69	cps
Barium	137-1	21887	22715	22371	22324	1.86	cps
Beryllium	9-1	1032	956	989	992	3.87	cps
Bismuth	209-1	4020795	4013844	4091910	4042183	1.07	cps
Bismuth	209-2	4100942	4094990	4077341	4091091	0.30	cps
Bromine	81-1	8516	8559	8432	8503	0.76	cps
Bromine	81-2	157	210	223	197	17.94	cps
Cadmium	108-1	130	117	120	122	5.68	cps
Cadmium	106-1	2584	2520	2300	2468	6.03	cps
Cadmium	111-1	3158	2936	2900	2998	4.66	cps
Calcium	43-1	9653	9510	9336	9500	1.67	cps
Calcium	44-1	170599	171630	172543	171591	0.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8166	8182	7675	8008	3.60	cps
Cobalt	59-2	5228	4941	5211	5126	3.14	cps
Copper	63-2	8356	8519	8096	8323	2.57	cps
Dysprosium	156-1	3	7	10	7	50.03	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	40	30	63	44	38.48	cps
Erbium	164-2	30	37	37	34	11.18	cps
Gadolinium	160-1	67	47	53	56	18.33	cps
Gadolinium	160-2	270	300	263	278	7.03	cps
Holmium	165-1	6314504	6170769	6220409	6235228	1.17	cps
Holmium	165-2	5350260	5238322	5328013	5305532	1.12	cps
Indium	115-1	5579376	5616478	5496859	5564238	1.10	cps
Indium	115-2	2333620	2308872	2284601	2309031	1.06	cps
Iron	56-2	164133	163944	164311	164130	0.11	cps
Iron	57-2	4741	5094	5098	4978	4.12	cps
Iron	54-2	10384	10487	10314	10395	0.84	cps
Krypton	83-1	447	507	480	478	6.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:48:42	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3627	3627	3721	3658	1.47	cps
Lead	207-1	3190	3340	3517	3349	4.88	cps
Lead	208-1	15864	16005	16377	16082	1.65	cps
Lithium	6-1	488054	492935	490068	490352	0.50	cps
Magnesium	24-2	141290	140879	142326	141498	0.53	cps
Manganese	55-2	4737	4474	4784	4665	3.58	cps
Molybdenum	94-1	12229	12729	12582	12513	2.06	cps
Molybdenum	95-1	14784	14884	14751	14806	0.47	cps
Molybdenum	96-1	16493	17017	16806	16772	1.57	cps
Molybdenum	97-1	9150	9283	9580	9337	2.36	cps
Molybdenum	98-1	24046	24244	23713	24001	1.12	cps
Neodymium	150-1	7	10	0	6	91.64	cps
Neodymium	150-2	0	7	7	4	86.60	cps
Nickel	60-2	2221	2203	2362	2262	3.85	cps
Phosphorus	31-2	2797	2867	2894	2853	1.75	cps
Potassium	39-2	223238	223492	223805	223512	0.13	cps
Rhodium	103-1	5645104	5730021	5716793	5697306	0.80	cps
Rhodium	103-2	3748103	3774298	3679309	3733903	1.31	cps
Scandium	45-1	3832465	3838869	3861039	3844124	0.39	cps
Scandium	45-2	315053	310791	312029	312625	0.70	cps
Selenium	82-1	751	789	754	765	2.74	cps
Selenium	77-2	80	63	63	69	13.97	cps
Selenium	78-2	620	663	610	631	4.49	cps
Silicon	28-1	696129	677942	680486	684852	1.44	cps
Silver	107-1	7988	8291	7914	8064	2.48	cps
Silver	109-1	7679	7772	7789	7747	0.77	cps
Sodium	23-2	237839	233598	234137	235191	0.98	cps
Strontium	86-1	2600	2667	2777	2681	3.33	cps
Strontium	88-1	16516	16483	16513	16504	0.11	cps
Sulfur	34-1	223582	224055	223085	223574	0.22	cps
Terbium	159-1	6349743	6474798	6457767	6427436	1.06	cps
Terbium	159-2	5308652	5298212	5238651	5281838	0.71	cps
Thallium	203-1	4604	4674	4841	4706	2.58	cps
Thallium	205-1	11758	11358	11542	11553	1.73	cps
Tin	118-1	23683	24157	24207	24016	1.20	cps
Titanium	47-1	4514	4664	4817	4665	3.25	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:48:42	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14244	14224	14481	14317	1.00	cps
Vanadium	51-2	12909	12929	12852	12897	0.31	cps
Yttrium	89-1	8736584	8707501	8778154	8740746	0.41	cps
Yttrium	89-2	2529728	2501428	2502096	2511084	0.64	cps
Zinc	66-2	3574	3801	3747	3707	3.20	cps
Zirconium	90-1	10847	11171	10791	10936	1.88	cps
Zirconium	91-1	2410	2387	2514	2437	2.77	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:51:58	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	157548	155301	156557	156469	0.72	cps
Antimony	121-1	254733	255898	255462	255364	0.23	cps
Arsenic	75-2	17727	17273	17117	17372	1.83	cps
Barium	135-1	288181	294099	291924	291401	1.03	cps
Barium	137-1	504127	506540	509431	506699	0.52	cps
Beryllium	9-1	42375	42611	42545	42510	0.29	cps
Bismuth	209-1	4014052	4074365	4049308	4045908	0.75	cps
Bismuth	209-2	4160256	4076696	4183982	4140311	1.36	cps
Bromine	81-1	8683	8349	8636	8556	2.11	cps
Bromine	81-2	210	153	127	163	26.05	cps
Cadmium	108-1	4968	5181	5341	5163	3.63	cps
Cadmium	106-1	9390	9657	9697	9581	1.74	cps
Cadmium	111-1	71928	73309	72910	72716	0.98	cps
Calcium	43-1	84048	86226	85479	85251	1.30	cps
Calcium	44-1	1485304	1500338	1539823	1508489	1.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	142092	140969	141060	141373	0.44	cps
Cobalt	59-2	217817	217041	216531	217130	0.30	cps
Copper	63-2	1839164	1760185	1808581	1802643	2.21	cps
Dysprosium	156-1	10	7	10	9	21.63	cps
Dysprosium	156-2	17	23	20	20	16.65	cps
Erbium	164-1	43	67	67	59	22.88	cps
Erbium	164-2	63	50	40	51	22.90	cps
Gadolinium	160-1	53	47	40	47	14.28	cps
Gadolinium	160-2	320	270	323	304	9.81	cps
Holmium	165-1	6238062	6138267	6313113	6229814	1.41	cps
Holmium	165-2	5434918	5213101	5421288	5356436	2.32	cps
Indium	115-1	5716099	5654629	5644441	5671723	0.68	cps
Indium	115-2	2359838	2350901	2337109	2349283	0.49	cps
Iron	56-2	7456464	7376819	7395649	7409644	0.56	cps
Iron	57-2	167668	168244	167618	167843	0.21	cps
Iron	54-2	375507	377867	374460	375944	0.46	cps
Krypton	83-1	543	523	540	536	2.00	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:51:58	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	871135	883425	881669	878743	0.76	cps
Lead	207-1	754066	760026	763966	759353	0.66	cps
Lead	208-1	3866308	3969733	3946658	3927567	1.38	cps
Lithium	6-1	495849	499111	498120	497693	0.34	cps
Magnesium	24-2	1539318	1573987	1541253	1551519	1.26	cps
Manganese	55-2	1077822	1053733	1064585	1065380	1.13	cps
Molybdenum	94-1	929734	941816	945085	938878	0.86	cps
Molybdenum	95-1	1523866	1510591	1550884	1528447	1.34	cps
Molybdenum	96-1	1634558	1691726	1682318	1669534	1.84	cps
Molybdenum	97-1	820535	830063	828539	826379	0.62	cps
Molybdenum	98-1	2400908	2423111	2463301	2429107	1.30	cps
Neodymium	150-1	27	17	20	21	24.12	cps
Neodymium	150-2	17	17	13	16	12.40	cps
Nickel	60-2	84113	83344	83808	83755	0.46	cps
Phosphorus	31-2	9113	9226	9406	9248	1.60	cps
Potassium	39-2	836150	825564	834601	832105	0.69	cps
Rhodium	103-1	5645911	5718231	5623752	5662631	0.87	cps
Rhodium	103-2	3753753	3756578	3793018	3767783	0.58	cps
Scandium	45-1	3856779	3963019	3798985	3872928	2.15	cps
Scandium	45-2	317545	317675	319298	318172	0.31	cps
Selenium	82-1	6091	6119	6111	6107	0.24	cps
Selenium	77-2	743	653	600	666	10.88	cps
Selenium	78-2	2670	2690	2714	2691	0.81	cps
Silicon	28-1	3575069	3723041	3741852	3679988	2.48	cps
Silver	107-1	346371	349191	349891	348484	0.53	cps
Silver	109-1	321903	326959	328571	325811	1.07	cps
Sodium	23-2	2310718	2349387	2335236	2331780	0.84	cps
Strontium	86-1	84427	87783	86298	86169	1.95	cps
Strontium	88-1	736805	746857	749029	744230	0.88	cps
Sulfur	34-1	244367	241621	245040	243676	0.74	cps
Terbium	159-1	6546451	6551652	6467568	6521890	0.72	cps
Terbium	159-2	5327223	5292335	5184499	5268019	1.41	cps
Thallium	203-1	210188	213423	213912	212508	0.95	cps
Thallium	205-1	502669	510724	510439	507944	0.90	cps
Tin	118-1	207789	210510	208666	208988	0.66	cps
Titanium	47-1	396980	409059	404493	403510	1.51	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:51:58	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	644614	650857	653855	649775	0.73	cps
Vanadium	51-2	117570	117779	116714	117354	0.48	cps
Yttrium	89-1	8919835	8989591	8920878	8943435	0.45	cps
Yttrium	89-2	2583557	2541091	2567810	2564152	0.84	cps
Zinc	66-2	294227	289066	289287	290860	1.00	cps
Zirconium	90-1	465158	468417	473932	469169	0.95	cps
Zirconium	91-1	101575	103298	104086	102986	1.25	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:55:08	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	385515	383386	378119	382340	1.00	cps
Antimony	121-1	643505	646486	645845	645279	0.24	cps
Arsenic	75-2	42785	42237	42130	42384	0.83	cps
Barium	135-1	724838	738443	725167	729483	1.06	cps
Barium	137-1	1267161	1267035	1268864	1267687	0.08	cps
Beryllium	9-1	102714	104380	103745	103613	0.81	cps
Bismuth	209-1	4087373	4087726	4010597	4061899	1.09	cps
Bismuth	209-2	4021170	4073762	4093033	4062655	0.92	cps
Bromine	81-1	8659	8483	8549	8564	1.04	cps
Bromine	81-2	210	163	127	167	25.06	cps
Cadmium	108-1	13139	12913	13116	13056	0.96	cps
Cadmium	106-1	20471	19857	19694	20007	2.05	cps
Cadmium	111-1	178263	179216	180617	179365	0.66	cps
Calcium	43-1	211089	212412	210619	211373	0.44	cps
Calcium	44-1	3627033	3671029	3710310	3669457	1.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	336644	341069	343358	340357	1.00	cps
Cobalt	59-2	525025	526269	526570	525955	0.16	cps
Copper	63-2	4419179	4444444	4470493	4444705	0.58	cps
Dysprosium	156-1	23	37	17	26	39.85	cps
Dysprosium	156-2	50	20	53	41	44.65	cps
Erbium	164-1	70	60	50	60	16.67	cps
Erbium	164-2	57	33	60	50	29.06	cps
Gadolinium	160-1	70	60	70	67	8.66	cps
Gadolinium	160-2	390	303	360	351	12.54	cps
Holmium	165-1	6396837	6366984	6170331	6311384	1.95	cps
Holmium	165-2	5383620	5324582	5480384	5396195	1.46	cps
Indium	115-1	5770563	5677429	5639094	5695695	1.19	cps
Indium	115-2	2262552	2263191	2333662	2286468	1.79	cps
Iron	56-2	18536951	18578797	18506313	18540687	0.20	cps
Iron	57-2	414142	411810	420718	415557	1.11	cps
Iron	54-2	928660	917245	900253	915386	1.56	cps
Krypton	83-1	423	473	490	462	7.51	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:55:08	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2559290	2536927	2541603	2545940	0.46	cps
Lead	207-1	2356999	2313948	2266100	2312349	1.97	cps
Lead	208-1	10522285	10616788	10497679	10545584	0.60	cps
Lithium	6-1	493301	495121	487121	491848	0.85	cps
Magnesium	24-2	3749318	3704242	3721354	3724971	0.61	cps
Manganese	55-2	3019764	3053906	2971894	3015188	1.37	cps
Molybdenum	94-1	2643329	2666640	2627821	2645930	0.74	cps
Molybdenum	95-1	3808659	3875104	3757260	3813674	1.55	cps
Molybdenum	96-1	4180743	4199322	4165333	4181799	0.41	cps
Molybdenum	97-1	2386952	2347589	2348639	2361060	0.95	cps
Molybdenum	98-1	6211329	6062354	6041089	6104924	1.52	cps
Neodymium	150-1	37	50	33	40	22.05	cps
Neodymium	150-2	27	17	10	18	47.19	cps
Nickel	60-2	206697	205891	203657	205415	0.77	cps
Phosphorus	31-2	21372	21746	21645	21588	0.90	cps
Potassium	39-2	2150059	2121377	2127991	2133142	0.70	cps
Rhodium	103-1	5764217	5710845	5681264	5718775	0.74	cps
Rhodium	103-2	3664957	3669326	3735980	3690088	1.08	cps
Scandium	45-1	3870050	3899325	3893229	3887535	0.40	cps
Scandium	45-2	312765	313579	307940	311428	0.98	cps
Selenium	82-1	15009	15185	15055	15083	0.60	cps
Selenium	77-2	1743	1670	1580	1665	4.91	cps
Selenium	78-2	5781	5818	5965	5855	1.66	cps
Silicon	28-1	7727894	7531087	8177622	7812201	4.24	cps
Silver	107-1	875196	868759	871571	871842	0.37	cps
Silver	109-1	817534	816422	810287	814748	0.48	cps
Sodium	23-2	5619836	5568969	5618492	5602432	0.52	cps
Strontium	86-1	214571	213590	216505	214889	0.69	cps
Strontium	88-1	2105674	2115193	2110278	2110382	0.23	cps
Sulfur	34-1	279035	279846	275367	278082	0.86	cps
Terbium	159-1	6574353	6541850	6552441	6556215	0.25	cps
Terbium	159-2	5390839	5273633	5307995	5324156	1.13	cps
Thallium	203-1	533429	537410	534429	535089	0.39	cps
Thallium	205-1	1264505	1270125	1275009	1269880	0.41	cps
Tin	118-1	521090	526507	520431	522676	0.64	cps
Titanium	47-1	998024	1008249	1014960	1007077	0.85	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:55:08	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2042381	2002961	2010070	2018471	1.04	cps
Vanadium	51-2	290986	291283	292077	291448	0.19	cps
Yttrium	89-1	8827500	8743366	8802982	8791283	0.49	cps
Yttrium	89-2	2467145	2513524	2546845	2509171	1.60	cps
Zinc	66-2	711502	707477	708825	709268	0.29	cps
Zirconium	90-1	1171522	1171783	1158885	1167397	0.63	cps
Zirconium	91-1	258686	257498	260873	259019	0.66	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:58:06	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	751600	744777	739626	745334	0.81	cps
Antimony	121-1	1277505	1308433	1306018	1297319	1.33	cps
Arsenic	75-2	85867	86095	85109	85690	0.60	cps
Barium	135-1	1708207	1749117	1730927	1729417	1.19	cps
Barium	137-1	2920897	3027854	2993952	2980901	1.83	cps
Beryllium	9-1	203474	206021	202428	203974	0.91	cps
Bismuth	209-1	4100443	4115386	4053886	4089905	0.78	cps
Bismuth	209-2	4220028	4179612	4221985	4207208	0.57	cps
Bromine	81-1	8436	8513	8489	8479	0.46	cps
Bromine	81-2	107	143	157	136	19.10	cps
Cadmium	108-1	25309	26170	25372	25617	1.87	cps
Cadmium	106-1	37452	38347	37986	37928	1.19	cps
Cadmium	111-1	354147	357193	354529	355290	0.47	cps
Calcium	43-1	417746	420380	424043	420723	0.75	cps
Calcium	44-1	7265953	7270424	7239410	7258596	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	686100	679700	680000	681933	0.53	cps
Cobalt	59-2	1066303	1053904	1052751	1057653	0.71	cps
Copper	63-2	8826441	8787376	8734912	8782910	0.52	cps
Dysprosium	156-1	50	23	20	31	52.86	cps
Dysprosium	156-2	87	53	77	72	23.69	cps
Erbium	164-1	130	77	100	102	26.15	cps
Erbium	164-2	77	77	73	76	2.55	cps
Gadolinium	160-1	113	80	63	86	29.76	cps
Gadolinium	160-2	357	313	310	327	7.97	cps
Holmium	165-1	6352573	6453474	6374305	6393451	0.83	cps
Holmium	165-2	5510293	5496339	5406724	5471119	1.03	cps
Indium	115-1	5670831	5698533	5628287	5665884	0.62	cps
Indium	115-2	2330620	2305751	2310039	2315470	0.57	cps
Iron	56-2	37216046	36629029	36719334	36854803	0.86	cps
Iron	57-2	820335	814907	821893	819045	0.45	cps
Iron	54-2	2001985	1984931	2007188	1998035	0.58	cps
Krypton	83-1	483	533	457	491	7.93	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:58:06	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5071766	5264968	5235076	5190603	2.00	cps
Lead	207-1	4540775	4727274	4758021	4675357	2.51	cps
Lead	208-1	21039495	21685011	21584903	21436470	1.62	cps
Lithium	6-1	494822	490309	487042	490725	0.80	cps
Magnesium	24-2	7468187	7440248	7653531	7520655	1.54	cps
Manganese	55-2	5970872	5943741	5960270	5958294	0.23	cps
Molybdenum	94-1	5287474	5395800	5285548	5322941	1.19	cps
Molybdenum	95-1	7679682	7753339	7803426	7745482	0.80	cps
Molybdenum	96-1	8392128	8428826	8345912	8388955	0.50	cps
Molybdenum	97-1	4755984	4689778	4705796	4717186	0.73	cps
Molybdenum	98-1	12417382	12442576	12280487	12380148	0.70	cps
Neodymium	150-1	40	77	67	61	31.02	cps
Neodymium	150-2	13	37	43	31	50.64	cps
Nickel	60-2	410958	408635	404517	408037	0.80	cps
Phosphorus	31-2	42165	41693	41827	41895	0.58	cps
Potassium	39-2	4241878	4169912	4167199	4192996	1.01	cps
Rhodium	103-1	5707827	5688475	5613716	5670006	0.88	cps
Rhodium	103-2	3799212	3764841	3803458	3789170	0.56	cps
Scandium	45-1	3884597	3839724	3822613	3848978	0.83	cps
Scandium	45-2	314222	314473	313778	314158	0.11	cps
Selenium	82-1	29140	29935	29962	29679	1.57	cps
Selenium	77-2	3330	3230	3294	3285	1.54	cps
Selenium	78-2	11154	11114	11048	11105	0.49	cps
Silicon	28-1	14121747	14046582	14237909	14135413	0.68	cps
Silver	107-1	1932201	1982048	1997380	1970543	1.73	cps
Silver	109-1	1850123	1841492	1867265	1852960	0.71	cps
Sodium	23-2	11335178	11248719	11420220	11334706	0.76	cps
Strontium	86-1	423483	432255	431794	429177	1.15	cps
Strontium	88-1	4293897	4319143	4307048	4306696	0.29	cps
Sulfur	34-1	335338	335315	332416	334356	0.50	cps
Terbium	159-1	6641350	6660934	6668971	6657085	0.21	cps
Terbium	159-2	5554030	5497699	5450681	5500803	0.94	cps
Thallium	203-1	1052705	1076651	1082591	1070649	1.48	cps
Thallium	205-1	2965761	3103394	3081894	3050350	2.43	cps
Tin	118-1	1035984	1043626	1049135	1042915	0.63	cps
Titanium	47-1	2326881	2303533	2285497	2305304	0.90	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 14:58:06	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3973438	4078947	4149320	4067235	2.18	cps
Vanadium	51-2	582516	579441	572946	578301	0.84	cps
Yttrium	89-1	9123186	8839515	8966018	8976240	1.58	cps
Yttrium	89-2	2520664	2555762	2507264	2527897	0.99	cps
Zinc	66-2	1570639	1610091	1607218	1595983	1.38	cps
Zirconium	90-1	2683118	2729145	2687441	2699901	0.94	cps
Zirconium	91-1	510911	518495	520582	516663	0.98	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:00:58	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1721465	1691247	1710911	1707874	0.90	cps
Antimony	121-1	3040487	3094207	3088112	3074269	0.96	cps
Arsenic	75-2	174963	172205	175253	174141	0.97	cps
Barium	135-1	3505043	3526766	3558733	3530181	0.77	cps
Barium	137-1	5908381	6095838	6056187	6020135	1.64	cps
Beryllium	9-1	399067	399132	402164	400121	0.44	cps
Bismuth	209-1	4119069	4072617	4181734	4124474	1.33	cps
Bismuth	209-2	4129247	4217656	4275992	4207631	1.76	cps
Bromine	81-1	8806	8559	8429	8598	2.23	cps
Bromine	81-2	110	180	80	123	41.61	cps
Cadmium	108-1	52230	52950	51384	52188	1.50	cps
Cadmium	106-1	72413	74577	74456	73815	1.65	cps
Cadmium	111-1	709825	716257	717248	714443	0.56	cps
Calcium	43-1	836257	853562	855000	848273	1.23	cps
Calcium	44-1	14754599	14835742	14919801	14836714	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1559038	1550109	1553603	1554250	0.29	cps
Cobalt	59-2	2499535	2458691	2390333	2449519	2.25	cps
Copper	63-2	17371205	17644169	18345189	17786854	2.82	cps
Dysprosium	156-1	67	57	67	63	9.12	cps
Dysprosium	156-2	197	180	183	187	4.72	cps
Erbium	164-1	147	123	120	130	11.18	cps
Erbium	164-2	110	117	113	113	2.94	cps
Gadolinium	160-1	90	53	83	76	25.85	cps
Gadolinium	160-2	380	343	310	344	10.16	cps
Holmium	165-1	6484184	6568423	6489903	6514170	0.72	cps
Holmium	165-2	5476323	5547810	5593790	5539307	1.07	cps
Indium	115-1	5670739	5682349	5677473	5676854	0.10	cps
Indium	115-2	2276845	2387190	2351700	2338578	2.41	cps
Iron	56-2	76327131	71814241	73728051	73956474	3.06	cps
Iron	57-2	1881308	1837997	1823412	1847572	1.63	cps
Iron	54-2	4121217	4014771	4135106	4090365	1.61	cps
Krypton	83-1	467	517	543	509	7.65	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:00:58	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10495386	10841057	10733834	10690092	1.66	cps
Lead	207-1	9494971	9573277	9497825	9522025	0.47	cps
Lead	208-1	43145672	44226402	43907846	43759973	1.27	cps
Lithium	6-1	490921	486238	488708	488622	0.48	cps
Magnesium	24-2	14829666	14873481	15096902	14933350	0.96	cps
Manganese	55-2	12484676	11775830	12052141	12104216	2.95	cps
Molybdenum	94-1	10767262	10829048	10894622	10830310	0.59	cps
Molybdenum	95-1	15596380	15693900	15944995	15745092	1.14	cps
Molybdenum	96-1	17230302	16798256	17237851	17088803	1.47	cps
Molybdenum	97-1	9570740	9471332	9752929	9598334	1.49	cps
Molybdenum	98-1	24406905	24846155	24774714	24675924	0.96	cps
Neodymium	150-1	130	137	130	132	2.91	cps
Neodymium	150-2	60	87	53	67	26.46	cps
Nickel	60-2	865314	866802	843098	858405	1.55	cps
Phosphorus	31-2	86279	83507	82585	84123	2.29	cps
Potassium	39-2	8477547	8494863	8369976	8447462	0.80	cps
Rhodium	103-1	5634348	5738040	5752795	5708394	1.13	cps
Rhodium	103-2	3789158	3791475	3819441	3800025	0.44	cps
Scandium	45-1	3955367	3876931	3961632	3931310	1.20	cps
Scandium	45-2	314290	319365	322554	318736	1.31	cps
Selenium	82-1	59313	60118	59546	59659	0.69	cps
Selenium	77-2	6905	6668	6605	6726	2.35	cps
Selenium	78-2	21025	22197	21993	21738	2.88	cps
Silicon	28-1	26774710	27500236	27501170	27258706	1.54	cps
Silver	107-1	3993858	3954645	3973901	3974134	0.49	cps
Silver	109-1	3787790	3860675	3768756	3805740	1.27	cps
Sodium	23-2	22471979	22757865	23048780	22759541	1.27	cps
Strontium	86-1	857397	870082	870190	865889	0.85	cps
Strontium	88-1	8527303	8716793	8710771	8651622	1.24	cps
Sulfur	34-1	450479	451124	449546	450383	0.18	cps
Terbium	159-1	6832331	6834171	6828838	6831780	0.04	cps
Terbium	159-2	5432205	5492704	5550725	5491878	1.08	cps
Thallium	203-1	2590369	2612266	2629966	2610867	0.76	cps
Thallium	205-1	6146395	6352969	6397373	6298912	2.13	cps
Tin	118-1	2409370	2477772	2495631	2460925	1.85	cps
Titanium	47-1	4598635	4654953	4635373	4629654	0.62	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:00:58	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8191713	8239163	8416197	8282358	1.43	cps
Vanadium	51-2	1312675	1309189	1332340	1318068	0.95	cps
Yttrium	89-1	8906907	8946472	9072128	8975169	0.96	cps
Yttrium	89-2	2626627	2606315	2615966	2616303	0.39	cps
Zinc	66-2	3094243	3213587	3341378	3216402	3.84	cps
Zirconium	90-1	5403584	5432898	5506021	5447501	0.97	cps
Zirconium	91-1	1041481	1055762	1056885	1051376	0.82	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:03:44	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3530099	3423633	3480107	3477946	1.53	cps
Antimony	121-1	5992752	6256087	6180517	6143119	2.21	cps
Arsenic	75-2	354281	355529	354772	354861	0.18	cps
Barium	135-1	7014637	7182010	7219781	7138809	1.53	cps
Barium	137-1	12207152	12333068	12377233	12305818	0.72	cps
Beryllium	9-1	770336	785250	781452	779012	0.99	cps
Bismuth	209-1	4221256	4201485	4152868	4191870	0.84	cps
Bismuth	209-2	4197843	4236595	4209518	4214652	0.47	cps
Bromine	81-1	8809	8879	8969	8886	0.90	cps
Bromine	81-2	117	93	117	109	12.38	cps
Cadmium	108-1	102620	104789	105044	104151	1.28	cps
Cadmium	106-1	143135	148758	146282	146058	1.93	cps
Cadmium	111-1	1395092	1642285	1439279	1492219	8.83	cps
Calcium	43-1	1879908	1928537	1957174	1921873	2.03	cps
Calcium	44-1	29573588	30336945	29984478	29965003	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3197344	3224195	3155780	3192440	1.08	cps
Cobalt	59-2	5019475	4942922	4994791	4985729	0.78	cps
Copper	63-2	35331674	35977928	36038179	35782594	1.09	cps
Dysprosium	156-1	140	113	197	150	28.37	cps
Dysprosium	156-2	367	377	327	357	7.42	cps
Erbium	164-1	250	183	233	222	15.61	cps
Erbium	164-2	183	153	203	180	13.98	cps
Gadolinium	160-1	153	170	137	153	10.87	cps
Gadolinium	160-2	423	320	423	389	15.34	cps
Holmium	165-1	6705734	6689016	6807741	6734164	0.95	cps
Holmium	165-2	5758951	5631115	5692993	5694353	1.12	cps
Indium	115-1	5730354	5793315	5636983	5720217	1.38	cps
Indium	115-2	2374009	2345029	2351570	2356869	0.64	cps
Iron	56-2	151085171	149126048	149285654	149832291	0.73	cps
Iron	57-2	3654552	3678029	3684346	3672309	0.43	cps
Iron	54-2	8262530	8211019	8216435	8229995	0.34	cps
Krypton	83-1	487	560	500	516	7.58	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:03:44	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	21233438	21423988	21301557	21319661	0.45	cps
Lead	207-1	19045560	18988872	19124643	19053025	0.36	cps
Lead	208-1	87270157	87972183	87930484	87724275	0.45	cps
Lithium	6-1	488828	485474	474191	482831	1.59	cps
Magnesium	24-2	30207376	30108399	30852704	30389493	1.33	cps
Manganese	55-2	24644414	24816981	24903684	24788360	0.53	cps
Molybdenum	94-1	21774650	22547411	22440570	22254210	1.88	cps
Molybdenum	95-1	31246194	32341140	32478212	32021849	2.11	cps
Molybdenum	96-1	33956672	34925179	35248499	34710116	1.94	cps
Molybdenum	97-1	19449040	19672835	19951215	19691030	1.28	cps
Molybdenum	98-1	49927736	51701279	52238668	51289228	2.36	cps
Neodymium	150-1	230	223	230	228	1.69	cps
Neodymium	150-2	150	87	100	112	29.75	cps
Nickel	60-2	1739311	1726124	1734638	1733358	0.39	cps
Phosphorus	31-2	169069	166824	166697	167530	0.80	cps
Potassium	39-2	17032364	17132241	17087444	17084016	0.29	cps
Rhodium	103-1	5829642	5885768	5877663	5864358	0.52	cps
Rhodium	103-2	3858444	3800300	3848443	3835729	0.81	cps
Scandium	45-1	3966915	3955760	3951443	3958039	0.20	cps
Scandium	45-2	328789	329898	328430	329039	0.23	cps
Selenium	82-1	115898	119349	119360	118202	1.69	cps
Selenium	77-2	13456	13476	13266	13399	0.87	cps
Selenium	78-2	43471	44149	43561	43727	0.84	cps
Silicon	28-1	51067574	51700829	52231579	51666661	1.13	cps
Silver	107-1	7994516	8060738	7928859	7994704	0.82	cps
Silver	109-1	7460653	7670438	7778343	7636478	2.12	cps
Sodium	23-2	45516106	45548426	46160236	45741589	0.79	cps
Strontium	86-1	2013816	2072322	2075671	2053937	1.69	cps
Strontium	88-1	17688499	17887367	17737532	17771133	0.58	cps
Sulfur	34-1	700981	710378	703430	704930	0.69	cps
Terbium	159-1	6840367	7058049	6905129	6934515	1.61	cps
Terbium	159-2	5687591	5663218	5650318	5667042	0.33	cps
Thallium	203-1	5209206	5256371	5292582	5252720	0.80	cps
Thallium	205-1	12543851	12718574	12676748	12646391	0.72	cps
Tin	118-1	4938618	5027215	4934345	4966726	1.06	cps
Titanium	47-1	9160264	9591821	9436214	9396099	2.33	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:03:44	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16680256	16849930	16659081	16729756	0.63	cps
Vanadium	51-2	2699968	2754151	2736320	2730146	1.01	cps
Yttrium	89-1	9221601	9377334	9240104	9279680	0.92	cps
Yttrium	89-2	2695617	2643581	2653868	2664355	1.03	cps
Zinc	66-2	6498949	6420842	6360938	6426910	1.08	cps
Zirconium	90-1	10991407	11414942	11369445	11258598	2.07	cps
Zirconium	91-1	2443049	2489800	2461563	2464804	0.96	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:06:30	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18968485	18921298	19034682	18974822	0.30	cps
Antimony	121-1	4063	4309	4195	4189	2.94	cps
Arsenic	75-2	417	573	517	502	15.79	cps
Barium	135-1	3454	3410	3544	3469	1.96	cps
Barium	137-1	6111	5981	5708	5934	3.47	cps
Beryllium	9-1	-14	-37	-59	-37	-62.50	cps
Bismuth	209-1	3940065	3839918	3893301	3891095	1.29	cps
Bismuth	209-2	4032512	4020857	3985685	4013018	0.61	cps
Bromine	81-1	9313	9406	10057	9592	4.22	cps
Bromine	81-2	200	200	187	196	3.94	cps
Cadmium	108-1	110	90	110	103	11.17	cps
Cadmium	106-1	2604	2387	2500	2497	4.34	cps
Cadmium	111-1	2536	2351	2403	2430	3.91	cps
Calcium	43-1	10049439	10132877	10230513	10137610	0.89	cps
Calcium	44-1	158006494	160328041	164695884	161010140	2.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	17036	17247	17431	17238	1.15	cps
Cobalt	59-2	8352	8749	8629	8577	2.37	cps
Copper	63-2	6178	5961	6221	6120	2.28	cps
Dysprosium	156-1	233	257	337	276	19.67	cps
Dysprosium	156-2	243	307	273	274	11.54	cps
Erbium	164-1	587	627	577	597	4.44	cps
Erbium	164-2	460	537	470	489	8.53	cps
Gadolinium	160-1	283	297	330	303	7.92	cps
Gadolinium	160-2	523	577	507	536	6.83	cps
Holmium	165-1	6569758	6611010	6486472	6555747	0.97	cps
Holmium	165-2	5809621	5748066	5677590	5745092	1.15	cps
Indium	115-1	5604464	5804936	5716612	5708671	1.76	cps
Indium	115-2	2437606	2466609	2430185	2444800	0.79	cps
Iron	56-2	815934788	820729081	824005134	820223001	0.49	cps
Iron	57-2	20080379	20032721	20287112	20133404	0.67	cps
Iron	54-2	44055309	44513236	43761758	44110101	0.86	cps
Krypton	83-1	490	620	487	532	14.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:06:30	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5114	4958	4938	5003	1.93	cps
Lead	207-1	4517	4307	4324	4383	2.66	cps
Lead	208-1	20763	20402	20423	20530	0.99	cps
Lithium	6-1	475090	464379	467012	468827	1.19	cps
Magnesium	24-2	165390571	164688561	167187118	165755416	0.78	cps
Manganese	55-2	13526	13646	13646	13606	0.51	cps
Molybdenum	94-1	6395	6588	6461	6481	1.52	cps
Molybdenum	95-1	5108	5268	5184	5187	1.54	cps
Molybdenum	96-1	10044	10287	10370	10234	1.66	cps
Molybdenum	97-1	3590	3224	3260	3358	6.02	cps
Molybdenum	98-1	8212	8222	8259	8231	0.30	cps
Neodymium	150-1	150	137	77	121	32.25	cps
Neodymium	150-2	120	113	83	106	18.51	cps
Nickel	60-2	6313	5944	6033	6097	3.16	cps
Phosphorus	31-2	653	577	703	644	9.90	cps
Potassium	39-2	96215895	95877519	96860655	96318023	0.52	cps
Rhodium	103-1	5573345	5497024	5554870	5541746	0.72	cps
Rhodium	103-2	3809054	3717856	3743559	3756823	1.25	cps
Scandium	45-1	4059982	4104238	4107587	4090602	0.65	cps
Scandium	45-2	338373	337977	338300	338217	0.06	cps
Selenium	82-1	341	189	285	272	28.35	cps
Selenium	77-2	7	27	20	18	57.27	cps
Selenium	78-2	520	527	560	536	4.00	cps
Silicon	28-1	1172432	812208	1181875	1055505	19.97	cps
Silver	107-1	1028	871	814	904	12.26	cps
Silver	109-1	863	747	683	764	11.94	cps
Sodium	23-2	246218436	252135476	252648310	250334074	1.43	cps
Strontium	86-1	25288	26103	26828	26073	2.95	cps
Strontium	88-1	216377	221246	219811	219145	1.14	cps
Sulfur	34-1	190420	193205	192024	191883	0.73	cps
Terbium	159-1	6896417	6852948	6883235	6877533	0.32	cps
Terbium	159-2	5708940	5754249	5703871	5722353	0.48	cps
Thallium	203-1	3947	3937	3881	3922	0.92	cps
Thallium	205-1	9553	9667	9260	9493	2.21	cps
Tin	118-1	2517	2610	2260	2462	7.36	cps
Titanium	47-1	653	753	630	679	9.65	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 15:06:30	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	470	423	400	431	8.27	cps
Vanadium	51-2	973	983	983	980	0.59	cps
Yttrium	89-1	9303258	9286760	9429158	9339725	0.83	cps
Yttrium	89-2	2743349	2796266	2751370	2763662	1.03	cps
Zinc	66-2	3747	3627	3427	3600	4.49	cps
Zirconium	90-1	9416	9493	9173	9361	1.79	cps
Zirconium	91-1	2100	1960	2134	2065	4.46	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:39:05	DataFile Name :	019ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	295092	290859	293422	293124	0.73	cps
Antimony	121-1	2503682	2461058	2540821	2501854	1.60	cps
Arsenic	75-2	147590	146798	148485	147624	0.57	cps
Barium	135-1	2344994	2348174	2386628	2359932	0.98	cps
Barium	137-1	3987631	4083146	4082464	4051080	1.36	cps
Beryllium	9-1	27198	27950	27920	27689	1.54	cps
Bismuth	209-1	4214388	4122462	4145126	4160659	1.15	cps
Bismuth	209-2	4335805	4271163	4255138	4287369	1.00	cps
Bromine	81-1	8726	8836	9043	8868	1.81	cps
Bromine	81-2	150	153	143	149	3.42	cps
Cadmium	108-1	24608	25639	25449	25232	2.18	cps
Cadmium	106-1	36416	37097	37435	36983	1.40	cps
Cadmium	111-1	300148	309057	306791	305332	1.52	cps
Calcium	43-1	75728	76646	77634	76669	1.24	cps
Calcium	44-1	1355124	1379692	1342125	1358980	1.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	470593	467100	468396	468696	0.38	cps
Cobalt	59-2	2090290	2090207	2034077	2071525	1.57	cps
Copper	63-2	666063	659654	656846	660854	0.71	cps
Dysprosium	156-1	27	17	27	23	24.74	cps
Dysprosium	156-2	130	107	137	124	12.66	cps
Erbium	164-1	47	30	57	44	30.31	cps
Erbium	164-2	37	40	23	33	26.47	cps
Gadolinium	160-1	43	50	60	51	16.42	cps
Gadolinium	160-2	307	307	340	318	6.06	cps
Holmium	165-1	6463253	6477207	6382578	6441013	0.79	cps
Holmium	165-2	5551451	5471253	5389510	5470738	1.48	cps
Indium	115-1	5773938	5674139	5836509	5761529	1.42	cps
Indium	115-2	2374682	2334372	2397732	2368929	1.35	cps
Iron	56-2	2463054	2513641	2461506	2479400	1.20	cps
Iron	57-2	57841	57610	57322	57591	0.45	cps
Iron	54-2	139742	137808	138157	138569	0.74	cps
Krypton	83-1	470	517	537	508	6.74	cps

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:39:05	DataFile Name :	019ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1443610	1471691	1461578	1458960	0.97	cps
Lead	207-1	1218352	1250935	1255407	1241565	1.63	cps
Lead	208-1	6724550	6901719	6903181	6843150	1.50	cps
Lithium	6-1	445448	453237	450972	449886	0.89	cps
Magnesium	24-2	1196679	1169876	1176504	1181020	1.18	cps
Manganese	55-2	880829	885080	871796	879235	0.77	cps
Molybdenum	94-1	11451417	11779447	11673994	11634953	1.44	cps
Molybdenum	95-1	16461919	16767412	16789916	16673082	1.10	cps
Molybdenum	96-1	17986009	18401347	17977590	18121649	1.34	cps
Molybdenum	97-1	10173684	10108446	10305226	10195785	0.98	cps
Molybdenum	98-1	26256552	26542242	26418312	26405702	0.54	cps
Neodymium	150-1	57	67	63	62	8.18	cps
Neodymium	150-2	17	23	13	18	28.64	cps
Nickel	60-2	734671	734601	727461	732244	0.57	cps
Phosphorus	31-2	553	577	573	568	2.22	cps
Potassium	39-2	1494740	1474340	1454760	1474613	1.36	cps
Rhodium	103-1	5910630	5889769	5919823	5906741	0.26	cps
Rhodium	103-2	3952976	3857724	3833372	3881357	1.63	cps
Scandium	45-1	3986534	3964785	3971778	3974366	0.28	cps
Scandium	45-2	318646	317059	314035	316580	0.74	cps
Selenium	82-1	50972	51438	51290	51234	0.46	cps
Selenium	77-2	5538	5374	5424	5445	1.54	cps
Selenium	78-2	18866	18899	18712	18825	0.53	cps
Silicon	28-1	3351025	3218025	3251915	3273655	2.11	cps
Silver	107-1	1706750	1512007	1715289	1644682	6.99	cps
Silver	109-1	1331908	1345996	1344857	1340920	0.58	cps
Sodium	23-2	1881244	1908508	1881817	1890523	0.82	cps
Strontium	86-1	952431	961721	967563	960572	0.79	cps
Strontium	88-1	9568628	9625109	9737082	9643606	0.89	cps
Sulfur	34-1	176398	170921	169117	172145	2.20	cps
Terbium	159-1	6686114	6685175	6650025	6673771	0.31	cps
Terbium	159-2	5626096	5489644	5457141	5524293	1.62	cps
Thallium	203-1	2091838	2148484	2158642	2132988	1.69	cps
Thallium	205-1	5022117	5251721	5087497	5120445	2.31	cps
Tin	118-1	2647627	2665595	2665084	2659435	0.38	cps
Titanium	47-1	4642018	4683941	4734605	4686855	0.99	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:39:05	DataFile Name :	019ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8564345	8824005	8770140	8719497	1.57	cps
Vanadium	51-2	983789	985755	967619	979054	1.02	cps
Yttrium	89-1	9254873	9009251	9237708	9167277	1.50	cps
Yttrium	89-2	2624426	2595099	2583525	2601017	0.81	cps
Zinc	66-2	244529	241225	241837	242530	0.72	cps
Zirconium	90-1	5982124	6006633	6054829	6014529	0.62	cps
Zirconium	91-1	1146608	1155729	1159461	1153933	0.57	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:42:00	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3317	3404	3474	3398	2.31	cps
Antimony	121-1	11718	12219	11997	11978	2.10	cps
Arsenic	75-2	440	350	377	389	11.89	cps
Barium	135-1	12462	12863	12382	12569	2.05	cps
Barium	137-1	21747	22655	22444	22282	2.13	cps
Beryllium	9-1	799	826	939	855	8.69	cps
Bismuth	209-1	4195241	4153430	4102316	4150329	1.12	cps
Bismuth	209-2	4255471	4269103	4205398	4243324	0.79	cps
Bromine	81-1	9653	9413	9273	9446	2.04	cps
Bromine	81-2	130	207	140	159	26.23	cps
Cadmium	108-1	97	120	113	110	10.92	cps
Cadmium	106-1	2464	2204	2447	2371	6.14	cps
Cadmium	111-1	3157	2859	2990	3002	4.98	cps
Calcium	43-1	9036	9033	9226	9098	1.22	cps
Calcium	44-1	174735	173028	173429	173731	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7926	8152	8039	8039	1.41	cps
Cobalt	59-2	5021	4948	5051	5006	1.06	cps
Copper	63-2	8312	8563	8489	8455	1.52	cps
Dysprosium	156-1	3	13	3	7	86.65	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	37	47	43	42	12.06	cps
Erbium	164-2	37	57	30	41	33.76	cps
Gadolinium	160-1	23	57	30	37	48.11	cps
Gadolinium	160-2	340	337	337	338	0.57	cps
Holmium	165-1	6407589	6418074	6409705	6411789	0.09	cps
Holmium	165-2	5541118	5519958	5419992	5493690	1.18	cps
Indium	115-1	5802935	5835780	5695067	5777927	1.27	cps
Indium	115-2	2413260	2378373	2364504	2385379	1.05	cps
Iron	56-2	163048	163568	163459	163358	0.17	cps
Iron	57-2	4727	4978	5018	4908	3.20	cps
Iron	54-2	10610	10550	10310	10490	1.51	cps
Krypton	83-1	540	557	527	541	2.78	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:42:00	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3871	3661	3857	3796	3.10	cps
Lead	207-1	3367	3194	3087	3216	4.40	cps
Lead	208-1	16343	15809	15704	15952	2.15	cps
Lithium	6-1	437175	439595	434746	437172	0.55	cps
Magnesium	24-2	134978	135317	133744	134679	0.61	cps
Manganese	55-2	4844	4754	4697	4765	1.55	cps
Molybdenum	94-1	12626	13343	12886	12951	2.80	cps
Molybdenum	95-1	15452	15555	15532	15513	0.35	cps
Molybdenum	96-1	17194	16993	17344	17177	1.02	cps
Molybdenum	97-1	9577	9533	9707	9605	0.94	cps
Molybdenum	98-1	25299	24481	24033	24604	2.61	cps
Neodymium	150-1	3	0	10	4	114.60	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	2349	2134	2236	2240	4.81	cps
Phosphorus	31-2	2750	2540	2644	2645	3.97	cps
Potassium	39-2	219614	219920	219143	219559	0.18	cps
Rhodium	103-1	5931526	5826642	5753725	5837297	1.53	cps
Rhodium	103-2	3916956	3854373	3933221	3901517	1.07	cps
Scandium	45-1	3889684	3927143	3894757	3903861	0.52	cps
Scandium	45-2	316568	313187	315396	315050	0.54	cps
Selenium	82-1	767	762	786	772	1.66	cps
Selenium	77-2	103	77	90	90	14.82	cps
Selenium	78-2	700	657	660	672	3.59	cps
Silicon	28-1	739460	719202	728387	729016	1.39	cps
Silver	107-1	8738	8438	8737	8638	2.00	cps
Silver	109-1	8012	7759	8019	7930	1.87	cps
Sodium	23-2	229008	228153	226391	227850	0.59	cps
Strontium	86-1	2637	2690	2834	2720	3.74	cps
Strontium	88-1	16089	16686	16292	16356	1.86	cps
Sulfur	34-1	174123	173088	174251	173820	0.37	cps
Terbium	159-1	6598932	6556008	6584643	6579861	0.33	cps
Terbium	159-2	5510073	5461121	5529845	5500347	0.64	cps
Thallium	203-1	5334	4854	4854	5014	5.53	cps
Thallium	205-1	11992	12065	11762	11940	1.33	cps
Tin	118-1	23913	23516	24371	23933	1.79	cps
Titanium	47-1	4724	4754	4451	4643	3.60	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:42:00	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13824	13544	14131	13833	2.12	cps
Vanadium	51-2	12695	12532	12172	12466	2.15	cps
Yttrium	89-1	9067352	9109883	9155024	9110753	0.48	cps
Yttrium	89-2	2575863	2579074	2623285	2592741	1.02	cps
Zinc	66-2	3991	3797	3961	3916	2.66	cps
Zirconium	90-1	11301	11451	11051	11268	1.80	cps
Zirconium	91-1	2654	2517	2647	2606	2.96	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:45:20	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	240	277	243	13.07	cps
Antimony	121-1	141	174	218	178	21.61	cps
Arsenic	75-2	3	3	17	8	99.04	cps
Barium	135-1	17	20	13	17	20.01	cps
Barium	137-1	43	20	43	36	37.89	cps
Beryllium	9-1	4	7	4	5	40.77	cps
Bismuth	209-1	4108018	4109787	4037674	4085160	1.01	cps
Bismuth	209-2	4245918	4264420	4194971	4235103	0.85	cps
Bromine	81-1	9600	9206	9486	9431	2.15	cps
Bromine	81-2	173	167	153	164	6.19	cps
Cadmium	108-1	10	10	0	7	86.60	cps
Cadmium	106-1	2144	2327	2214	2228	4.15	cps
Cadmium	111-1	1510	1638	1566	1572	4.09	cps
Calcium	43-1	350	340	287	326	10.46	cps
Calcium	44-1	29672	29789	30120	29861	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1933	1890	2020	1948	3.40	cps
Cobalt	59-2	130	133	120	128	5.43	cps
Copper	63-2	1393	1390	1333	1372	2.46	cps
Dysprosium	156-1	20	13	3	12	68.66	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	37	67	40	48	34.42	cps
Erbium	164-2	30	33	47	37	24.06	cps
Gadolinium	160-1	80	43	40	54	40.77	cps
Gadolinium	160-2	323	307	330	320	3.76	cps
Holmium	165-1	6386906	6421810	6488549	6432422	0.80	cps
Holmium	165-2	5515726	5487647	5431563	5478312	0.78	cps
Indium	115-1	5907759	5806597	5793099	5835818	1.07	cps
Indium	115-2	2373387	2449885	2389292	2404188	1.68	cps
Iron	56-2	18965	19459	19393	19272	1.39	cps
Iron	57-2	1257	1187	1260	1235	3.35	cps
Iron	54-2	2314	2414	2397	2375	2.26	cps
Krypton	83-1	537	447	600	528	14.60	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:45:20	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	527	573	487	529	8.20	cps
Lead	207-1	490	540	410	480	13.66	cps
Lead	208-1	2196	2269	2076	2180	4.47	cps
Lithium	6-1	443139	440289	435491	439640	0.88	cps
Magnesium	24-2	153	183	187	174	10.52	cps
Manganese	55-2	2047	2217	2090	2118	4.17	cps
Molybdenum	94-1	343	397	397	379	8.13	cps
Molybdenum	95-1	363	297	320	327	10.36	cps
Molybdenum	96-1	433	440	453	442	2.30	cps
Molybdenum	97-1	213	363	247	274	28.70	cps
Molybdenum	98-1	543	590	557	563	4.27	cps
Neodymium	150-1	7	13	10	10	33.30	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	506	553	514	524	4.77	cps
Phosphorus	31-2	577	567	507	550	6.88	cps
Potassium	39-2	59486	59984	60031	59834	0.51	cps
Rhodium	103-1	5886119	5954966	5920999	5920695	0.58	cps
Rhodium	103-2	3926027	3920886	3850022	3898979	1.09	cps
Scandium	45-1	3944507	3986633	3983648	3971596	0.59	cps
Scandium	45-2	314176	313345	315578	314366	0.36	cps
Selenium	82-1	115	181	0	99	92.72	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	457	477	467	467	2.14	cps
Silicon	28-1	727166	694871	693590	705209	2.70	cps
Silver	107-1	157	150	137	148	6.88	cps
Silver	109-1	147	83	97	109	30.67	cps
Sodium	23-2	24820	24890	25869	25193	2.33	cps
Strontium	86-1	813	817	933	854	8.00	cps
Strontium	88-1	157	107	160	141	21.17	cps
Sulfur	34-1	172036	173644	173779	173153	0.56	cps
Terbium	159-1	6553361	6527711	6809216	6630096	2.35	cps
Terbium	159-2	5449367	5412583	5453498	5438482	0.41	cps
Thallium	203-1	157	130	203	163	22.73	cps
Thallium	205-1	360	317	363	347	7.51	cps
Tin	118-1	1380	1503	1513	1466	5.07	cps
Titanium	47-1	143	163	140	149	8.48	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:45:20	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	40	47	47	14.28	cps
Vanadium	51-2	30	27	37	31	16.37	cps
Yttrium	89-1	9069878	9133473	9190921	9131424	0.66	cps
Yttrium	89-2	2632855	2640598	2626203	2633219	0.27	cps
Zinc	66-2	667	587	637	630	6.42	cps
Zirconium	90-1	410	403	423	412	2.47	cps
Zirconium	91-1	93	93	77	88	10.96	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:48:37	DataFile Name :	022ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16155333	16439377	15995212	16196641	1.39	cps
Antimony	121-1	5873	6323	6286	6161	4.06	cps
Arsenic	75-2	123	127	83	111	21.71	cps
Barium	135-1	1837	1830	1967	1878	4.10	cps
Barium	137-1	3104	3264	3187	3185	2.51	cps
Beryllium	9-1	-145	-177	-112	-145	-22.68	cps
Bismuth	209-1	4150142	3990243	4180236	4106874	2.49	cps
Bismuth	209-2	4283567	4220840	4194326	4232911	1.08	cps
Bromine	81-1	9970	10561	11231	10587	5.96	cps
Bromine	81-2	317	277	343	312	10.75	cps
Cadmium	108-1	893	997	983	958	5.87	cps
Cadmium	106-1	2527	2260	2124	2304	8.91	cps
Cadmium	111-1	2347	1938	1891	2059	12.17	cps
Calcium	43-1	1895591	2037425	1917244	1950087	3.92	cps
Calcium	44-1	30405440	31316594	30921082	30881038	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	60849	61010	60882	60914	0.14	cps
Cobalt	59-2	5678	5888	5621	5729	2.45	cps
Copper	63-2	28140	28627	28794	28521	1.19	cps
Dysprosium	156-1	20	17	10	16	32.73	cps
Dysprosium	156-2	23	43	30	32	31.61	cps
Erbium	164-1	40	60	63	54	23.18	cps
Erbium	164-2	30	53	53	46	29.57	cps
Gadolinium	160-1	50	70	80	67	22.91	cps
Gadolinium	160-2	310	317	343	323	5.45	cps
Holmium	165-1	6903761	6677979	6861555	6814431	1.76	cps
Holmium	165-2	5693260	5754681	5651036	5699659	0.91	cps
Indium	115-1	5940021	5974982	6151208	6022070	1.88	cps
Indium	115-2	2414787	2449987	2404455	2423076	0.99	cps
Iron	56-2	308177615	305185695	309599942	307654418	0.73	cps
Iron	57-2	7552700	7606369	7563848	7574306	0.37	cps
Iron	54-2	16942307	16640572	16746896	16776592	0.91	cps
Krypton	83-1	517	453	550	507	9.69	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:48:37	DataFile Name :	022ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18580	17962	19377	18640	3.81	cps
Lead	207-1	14121	15265	15416	14934	4.74	cps
Lead	208-1	67808	69983	72188	69993	3.13	cps
Lithium	6-1	446529	432099	442074	440234	1.68	cps
Magnesium	24-2	28135966	28812291	28419507	28455922	1.19	cps
Manganese	55-2	19643	19997	20017	19885	1.06	cps
Molybdenum	94-1	3804831	3806838	3942377	3851349	2.05	cps
Molybdenum	95-1	6805587	6849102	7020034	6891574	1.64	cps
Molybdenum	96-1	7124400	7311365	7483659	7306475	2.46	cps
Molybdenum	97-1	4140124	4196877	4217572	4184858	0.96	cps
Molybdenum	98-1	10513372	10912619	10942431	10789474	2.22	cps
Neodymium	150-1	30	37	40	36	14.32	cps
Neodymium	150-2	10	17	23	17	39.99	cps
Nickel	60-2	7693	7772	7523	7662	1.66	cps
Phosphorus	31-2	843550	839326	842888	841921	0.27	cps
Potassium	39-2	35385813	35166687	34999921	35184140	0.55	cps
Rhodium	103-1	5750391	5915227	5889102	5851573	1.51	cps
Rhodium	103-2	3834635	3907026	3855812	3865824	0.96	cps
Scandium	45-1	3990641	4035780	4058230	4028217	0.85	cps
Scandium	45-2	321030	322138	322193	321787	0.20	cps
Selenium	82-1	138	228	127	164	33.94	cps
Selenium	77-2	3	7	3	4	43.40	cps
Selenium	78-2	490	460	437	462	5.78	cps
Silicon	28-1	763724	760415	769983	764707	0.64	cps
Silver	107-1	492	406	366	421	15.39	cps
Silver	109-1	433	363	357	384	11.05	cps
Sodium	23-2	47486229	46922758	46490366	46966451	1.06	cps
Strontium	86-1	62107	65331	66258	64565	3.37	cps
Strontium	88-1	548280	557707	573736	559908	2.30	cps
Sulfur	34-1	3169676	3347207	3209646	3242176	2.87	cps
Terbium	159-1	6817271	7148498	7086515	7017428	2.51	cps
Terbium	159-2	5675254	5689619	5660251	5675041	0.26	cps
Thallium	203-1	340	373	380	364	5.88	cps
Thallium	205-1	910	830	967	902	7.61	cps
Tin	118-1	5284	7575	8322	7061	22.42	cps
Titanium	47-1	1987544	1989187	1984073	1986934	0.13	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:48:37	DataFile Name :	022ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	247	247	223	239	5.64	cps
Vanadium	51-2	410	530	517	486	13.55	cps
Yttrium	89-1	9382812	9748775	9700619	9610735	2.07	cps
Yttrium	89-2	2636408	2668099	2669567	2658025	0.70	cps
Zinc	66-2	7482	7722	7825	7676	2.30	cps
Zirconium	90-1	563	710	630	634	11.58	cps
Zirconium	91-1	183	123	103	137	30.47	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:55:36	DataFile Name :	024ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15766811	15937472	16096026	15933436	1.03	cps
Antimony	121-1	113174	118391	118756	116774	2.67	cps
Arsenic	75-2	7715	7589	7815	7707	1.47	cps
Barium	135-1	28368	28582	29400	28784	1.89	cps
Barium	137-1	49054	49248	50014	49439	1.03	cps
Beryllium	9-1	15844	15257	16136	15746	2.84	cps
Bismuth	209-1	4320072	4346066	4419824	4361987	1.19	cps
Bismuth	209-2	4331643	4347710	4413684	4364346	1.00	cps
Bromine	81-1	11771	11505	11478	11585	1.40	cps
Bromine	81-2	513	533	557	534	4.06	cps
Cadmium	108-1	2884	3150	3037	3024	4.43	cps
Cadmium	106-1	4974	5058	5131	5054	1.55	cps
Cadmium	111-1	32894	33130	33905	33310	1.59	cps
Calcium	43-1	1950299	2107059	2033589	2030315	3.86	cps
Calcium	44-1	30771722	33065190	32807715	32214876	3.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	135991	134616	136041	135550	0.60	cps
Cobalt	59-2	98702	98152	98571	98475	0.29	cps
Copper	63-2	94647	94402	95080	94710	0.36	cps
Dysprosium	156-1	17	30	30	26	30.11	cps
Dysprosium	156-2	20	13	13	16	24.76	cps
Erbium	164-1	63	53	73	63	15.79	cps
Erbium	164-2	30	47	47	41	23.41	cps
Gadolinium	160-1	63	50	67	60	14.70	cps
Gadolinium	160-2	353	343	297	331	9.14	cps
Holmium	165-1	7155163	6918344	7120011	7064506	1.81	cps
Holmium	165-2	5863016	5755673	5792540	5803743	0.94	cps
Indium	115-1	6198364	6178534	6100425	6159107	0.84	cps
Indium	115-2	2421551	2461966	2395776	2426431	1.38	cps
Iron	56-2	314201362	307518189	307639382	309786311	1.23	cps
Iron	57-2	7560337	7533656	7573739	7555910	0.27	cps
Iron	54-2	16803047	16322545	16555136	16560243	1.45	cps
Krypton	83-1	590	573	613	592	3.39	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:55:36	DataFile Name :	024ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	111893	111553	111449	111632	0.21	cps
Lead	207-1	92331	92943	92089	92454	0.48	cps
Lead	208-1	445642	455300	459403	453448	1.56	cps
Lithium	6-1	451350	452402	451252	451668	0.14	cps
Magnesium	24-2	28757766	28318551	28319620	28465312	0.89	cps
Manganese	55-2	64076	63875	65321	64424	1.22	cps
Molybdenum	94-1	3898481	3935537	3976951	3936990	1.00	cps
Molybdenum	95-1	6880653	6925594	7113227	6973158	1.77	cps
Molybdenum	96-1	7489074	7403338	7479917	7457443	0.63	cps
Molybdenum	97-1	4293182	4176805	4248821	4239603	1.39	cps
Molybdenum	98-1	10772454	10718107	10966737	10819099	1.21	cps
Neodymium	150-1	23	20	40	28	38.58	cps
Neodymium	150-2	37	20	13	23	51.52	cps
Nickel	60-2	47380	47457	47528	47455	0.16	cps
Phosphorus	31-2	835515	826983	831676	831391	0.51	cps
Potassium	39-2	34755556	34415417	34648755	34606576	0.50	cps
Rhodium	103-1	6052516	5846696	6081290	5993501	2.13	cps
Rhodium	103-2	4036789	3926571	3957713	3973691	1.43	cps
Scandium	45-1	4115351	4302550	4299075	4238992	2.53	cps
Scandium	45-2	322414	320442	325012	322623	0.71	cps
Selenium	82-1	2552	2612	2618	2594	1.40	cps
Selenium	77-2	303	290	233	276	13.49	cps
Selenium	78-2	1387	1513	1363	1421	5.68	cps
Silicon	28-1	730313	745329	774405	750016	2.99	cps
Silver	107-1	148375	152708	154279	151787	2.01	cps
Silver	109-1	139514	144315	148089	143973	2.99	cps
Sodium	23-2	46068988	46651234	46498488	46406237	0.65	cps
Strontium	86-1	65086	68036	68234	67119	2.63	cps
Strontium	88-1	565467	569560	575107	570045	0.85	cps
Sulfur	34-1	3256010	3426987	3413932	3365643	2.83	cps
Terbium	159-1	7238496	6939697	7249969	7142721	2.46	cps
Terbium	159-2	5734740	5734927	5850876	5773514	1.16	cps
Thallium	203-1	95271	94384	98725	96127	2.39	cps
Thallium	205-1	227154	239264	241819	236079	3.32	cps
Tin	118-1	4404	5034	5208	4882	8.66	cps
Titanium	47-1	2064211	2102687	2083532	2083477	0.92	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:55:36	DataFile Name :	024ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	453	580	493	509	12.72	cps
Vanadium	51-2	50243	50361	48815	49806	1.73	cps
Yttrium	89-1	9531991	9636666	9717215	9628624	0.96	cps
Yttrium	89-2	2715294	2736649	2702725	2718223	0.63	cps
Zinc	66-2	20020	20277	19947	20081	0.86	cps
Zirconium	90-1	497	583	633	571	12.11	cps
Zirconium	91-1	160	133	147	147	9.09	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:58:42	DataFile Name :	025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9125367	8912014	9084064	9040482	1.25	cps
Antimony	121-1	3245361	3355312	3385429	3328701	2.21	cps
Arsenic	75-2	185594	183501	181219	183438	1.19	cps
Barium	135-1	3904515	3914889	3895948	3905117	0.24	cps
Barium	137-1	6628136	6645861	6740657	6671551	0.91	cps
Beryllium	9-1	379439	390036	384869	384781	1.38	cps
Bismuth	209-1	4250955	4286294	4243483	4260244	0.54	cps
Bismuth	209-2	4254160	4218821	4171266	4214749	0.99	cps
Bromine	81-1	10731	10651	11028	10803	1.84	cps
Bromine	81-2	220	130	163	171	26.59	cps
Cadmium	108-1	58789	60171	59796	59585	1.20	cps
Cadmium	106-1	83056	84236	85265	84186	1.31	cps
Cadmium	111-1	803468	812832	821219	812506	1.09	cps
Calcium	43-1	5253842	5294933	5416127	5321634	1.59	cps
Calcium	44-1	83658364	84561354	86574755	84931491	1.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1720016	1662694	1646615	1676442	2.30	cps
Cobalt	59-2	2625110	2643673	2591672	2620152	1.01	cps
Copper	63-2	20389861	20200741	19867454	20152685	1.31	cps
Dysprosium	156-1	247	197	233	226	11.48	cps
Dysprosium	156-2	313	320	340	324	4.28	cps
Erbium	164-1	360	380	340	360	5.56	cps
Erbium	164-2	310	327	343	327	5.10	cps
Gadolinium	160-1	223	173	183	193	13.68	cps
Gadolinium	160-2	453	520	423	466	10.63	cps
Holmium	165-1	7023324	7034399	6964762	7007495	0.53	cps
Holmium	165-2	5937991	5854895	5831257	5874714	0.95	cps
Indium	115-1	6131122	6120158	6108489	6119923	0.18	cps
Indium	115-2	2463468	2477778	2426971	2456072	1.07	cps
Iron	56-2	410653247	413525687	411633207	411937381	0.35	cps
Iron	57-2	10274332	10277935	9974598	10175622	1.71	cps
Iron	54-2	22509413	22181756	22091725	22260964	0.99	cps
Krypton	83-1	567	580	543	563	3.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:58:42	DataFile Name :	025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11290714	11497598	11301994	11363435	1.02	cps
Lead	207-1	9699268	10028969	10024771	9917669	1.91	cps
Lead	208-1	45443148	46440831	46024626	45969535	1.09	cps
Lithium	6-1	448930	451721	450442	450364	0.31	cps
Magnesium	24-2	81821785	81784454	81162804	81589681	0.45	cps
Manganese	55-2	12834813	13079659	12679548	12864673	1.57	cps
Molybdenum	94-1	12074471	12400445	12252647	12242521	1.33	cps
Molybdenum	95-1	17346471	17984353	17448269	17593031	1.95	cps
Molybdenum	96-1	19314018	19169560	19042728	19175436	0.71	cps
Molybdenum	97-1	10703217	10873097	10906841	10827718	1.01	cps
Molybdenum	98-1	27712704	28644675	27935138	28097505	1.73	cps
Neodymium	150-1	150	133	140	141	5.94	cps
Neodymium	150-2	60	97	63	73	27.65	cps
Nickel	60-2	904665	905320	897568	902518	0.48	cps
Phosphorus	31-2	86309	86849	86048	86402	0.47	cps
Potassium	39-2	45804224	46419883	46440409	46221505	0.78	cps
Rhodium	103-1	6116064	6074693	6137890	6109549	0.53	cps
Rhodium	103-2	3966240	3912079	3878638	3918986	1.13	cps
Scandium	45-1	4222979	4331839	4374876	4309898	1.82	cps
Scandium	45-2	332896	337205	335311	335137	0.64	cps
Selenium	82-1	62542	63249	63693	63161	0.92	cps
Selenium	77-2	6578	6782	6612	6657	1.64	cps
Selenium	78-2	23245	22384	22387	22672	2.19	cps
Silicon	28-1	24306886	24813916	24655735	24592179	1.05	cps
Silver	107-1	4608427	4642784	4767136	4672782	1.79	cps
Silver	109-1	4401603	4409106	4430007	4413572	0.33	cps
Sodium	23-2	122664285	122882988	121401918	122316397	0.65	cps
Strontium	86-1	971838	986557	992548	983648	1.08	cps
Strontium	88-1	9660387	9894365	9887118	9813956	1.36	cps
Sulfur	34-1	446950	453930	451765	450882	0.79	cps
Terbium	159-1	7348341	7371888	7351083	7357104	0.18	cps
Terbium	159-2	5868263	5719136	5882815	5823405	1.56	cps
Thallium	203-1	2709697	2844463	2834092	2796084	2.68	cps
Thallium	205-1	6536703	6796712	6797844	6710420	2.24	cps
Tin	118-1	2611363	2727861	2696071	2678432	2.25	cps
Titanium	47-1	5001956	5116986	5230840	5116594	2.24	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 16:58:42	DataFile Name :	025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8555052	8762698	8620923	8646224	1.23	cps
Vanadium	51-2	1463207	1448756	1409175	1440379	1.94	cps
Yttrium	89-1	9947659	9966407	10020856	9978307	0.38	cps
Yttrium	89-2	2816317	2827875	2741964	2795385	1.67	cps
Zinc	66-2	3612410	3668633	3592126	3624390	1.09	cps
Zirconium	90-1	6076574	6130749	6196672	6134665	0.98	cps
Zirconium	91-1	1163586	1192051	1188818	1181485	1.32	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:09:16	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	340	260	267	289	15.37	cps
Antimony	121-1	241	261	277	259	7.08	cps
Arsenic	75-2	7	23	10	13	66.12	cps
Barium	135-1	23	30	20	24	20.83	cps
Barium	137-1	70	53	40	54	27.61	cps
Beryllium	9-1	7	7	4	6	31.83	cps
Bismuth	209-1	4139423	4149559	4212286	4167090	0.95	cps
Bismuth	209-2	4321612	4290643	4239092	4283782	0.97	cps
Bromine	81-1	10150	10200	10344	10231	0.98	cps
Bromine	81-2	163	230	127	173	30.22	cps
Cadmium	108-1	13	23	3	13	75.02	cps
Cadmium	106-1	2014	2104	2023	2047	2.41	cps
Cadmium	111-1	1420	1476	1434	1443	2.02	cps
Calcium	43-1	310	337	327	324	4.15	cps
Calcium	44-1	37400	36808	36310	36839	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2134	1920	2064	2039	5.33	cps
Cobalt	59-2	100	110	87	99	11.84	cps
Copper	63-2	1787	1647	1673	1702	4.37	cps
Dysprosium	156-1	7	10	0	6	91.64	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	50	60	47	52	13.28	cps
Erbium	164-2	30	43	37	37	18.18	cps
Gadolinium	160-1	33	43	60	46	29.58	cps
Gadolinium	160-2	273	313	350	312	12.28	cps
Holmium	165-1	6626756	6446344	6629826	6567642	1.60	cps
Holmium	165-2	5596363	5558466	5602425	5585751	0.43	cps
Indium	115-1	6105497	6041568	6085688	6077584	0.54	cps
Indium	115-2	2451311	2414653	2444889	2436951	0.80	cps
Iron	56-2	21596	21429	21702	21576	0.64	cps
Iron	57-2	1267	1200	1307	1258	4.28	cps
Iron	54-2	2784	2620	2340	2581	8.69	cps
Krypton	83-1	503	587	503	531	9.06	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:09:16	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	753	693	763	737	5.14	cps
Lead	207-1	507	643	603	584	12.02	cps
Lead	208-1	2838	2946	2999	2928	2.81	cps
Lithium	6-1	423179	428537	427518	426411	0.67	cps
Magnesium	24-2	340	400	407	382	9.61	cps
Manganese	55-2	2397	2197	2360	2318	4.59	cps
Molybdenum	94-1	353	333	353	347	3.33	cps
Molybdenum	95-1	343	360	243	316	20.00	cps
Molybdenum	96-1	383	383	463	410	11.27	cps
Molybdenum	97-1	310	253	257	273	11.63	cps
Molybdenum	98-1	467	557	510	511	8.81	cps
Neodymium	150-1	7	10	0	6	91.64	cps
Neodymium	150-2	10	3	3	6	69.34	cps
Nickel	60-2	479	570	514	521	8.83	cps
Phosphorus	31-2	473	533	480	496	6.64	cps
Potassium	39-2	62615	63957	63974	63515	1.23	cps
Rhodium	103-1	6112292	6131890	6181858	6142013	0.58	cps
Rhodium	103-2	3990242	4003330	4019226	4004266	0.36	cps
Scandium	45-1	4210983	4017856	4107363	4112067	2.35	cps
Scandium	45-2	324710	319423	319401	321178	0.95	cps
Selenium	82-1	177	26	162	122	68.57	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	470	483	490	481	2.12	cps
Silicon	28-1	705616	692701	694620	697646	1.00	cps
Silver	107-1	124	77	117	106	23.84	cps
Silver	109-1	107	80	110	99	16.63	cps
Sodium	23-2	34749	33994	34021	34255	1.25	cps
Strontium	86-1	863	937	863	888	4.77	cps
Strontium	88-1	157	110	127	131	18.04	cps
Sulfur	34-1	185218	187228	186459	186302	0.54	cps
Terbium	159-1	6890764	6705248	7010205	6868739	2.24	cps
Terbium	159-2	5581595	5519875	5642301	5581257	1.10	cps
Thallium	203-1	440	490	457	462	5.51	cps
Thallium	205-1	1260	1203	1233	1232	2.30	cps
Tin	118-1	1397	1350	1420	1389	2.57	cps
Titanium	47-1	127	110	97	111	13.53	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:09:16	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	30	30	30	0.00	cps
Vanadium	51-2	17	13	7	12	41.65	cps
Yttrium	89-1	9617658	9419931	9513929	9517173	1.04	cps
Yttrium	89-2	2694362	2689602	2694020	2692661	0.10	cps
Zinc	66-2	837	717	730	761	8.64	cps
Zirconium	90-1	450	457	437	448	2.27	cps
Zirconium	91-1	133	160	110	134	18.61	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:12:32	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3680	3577	3510	3589	2.39	cps
Antimony	121-1	11599	11990	11902	11830	1.73	cps
Arsenic	75-2	430	430	313	391	17.22	cps
Barium	135-1	13403	12989	13116	13170	1.61	cps
Barium	137-1	22675	22842	22478	22665	0.80	cps
Beryllium	9-1	809	822	928	853	7.69	cps
Bismuth	209-1	4200923	4234534	4133867	4189775	1.22	cps
Bismuth	209-2	4354078	4330353	4376764	4353732	0.53	cps
Bromine	81-1	10023	10234	10184	10147	1.08	cps
Bromine	81-2	163	190	163	172	8.94	cps
Cadmium	108-1	120	120	113	118	3.27	cps
Cadmium	106-1	2494	2544	2370	2469	3.61	cps
Cadmium	111-1	3198	3223	3087	3169	2.30	cps
Calcium	43-1	9970	9683	9703	9785	1.64	cps
Calcium	44-1	185628	186890	187703	186740	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8202	8159	8439	8267	1.82	cps
Cobalt	59-2	5071	5081	5058	5070	0.23	cps
Copper	63-2	8889	8883	8593	8788	1.93	cps
Dysprosium	156-1	3	7	3	4	43.40	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	53	50	47	50	6.66	cps
Erbium	164-2	27	23	30	27	12.51	cps
Gadolinium	160-1	37	50	47	44	15.61	cps
Gadolinium	160-2	333	297	297	309	6.85	cps
Holmium	165-1	6567604	6584970	6687586	6613387	0.98	cps
Holmium	165-2	5549945	5606161	5493957	5550021	1.01	cps
Indium	115-1	5985829	6065098	6068537	6039821	0.77	cps
Indium	115-2	2488071	2453189	2450559	2463940	0.85	cps
Iron	56-2	169326	168560	169464	169117	0.29	cps
Iron	57-2	4894	5268	5251	5138	4.11	cps
Iron	54-2	10527	10804	11121	10817	2.75	cps
Krypton	83-1	483	600	613	566	12.65	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:12:32	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4024	4051	3927	4001	1.62	cps
Lead	207-1	3544	3477	3627	3549	2.12	cps
Lead	208-1	16732	16976	16917	16875	0.76	cps
Lithium	6-1	434419	437872	433964	435418	0.49	cps
Magnesium	24-2	133817	134489	134762	134356	0.36	cps
Manganese	55-2	4797	4591	4921	4770	3.50	cps
Molybdenum	94-1	13403	13593	13286	13427	1.15	cps
Molybdenum	95-1	15598	15652	16002	15751	1.39	cps
Molybdenum	96-1	17868	17287	17764	17640	1.76	cps
Molybdenum	97-1	9803	9933	9940	9892	0.78	cps
Molybdenum	98-1	24818	25466	25806	25363	1.98	cps
Neodymium	150-1	10	10	7	9	21.63	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	2322	2377	2384	2361	1.43	cps
Phosphorus	31-2	2540	2530	2574	2548	0.89	cps
Potassium	39-2	226518	229481	226807	227602	0.72	cps
Rhodium	103-1	6183770	6146136	6187507	6172471	0.37	cps
Rhodium	103-2	4054263	4014559	3986312	4018378	0.85	cps
Scandium	45-1	4089818	4136849	4212286	4146317	1.49	cps
Scandium	45-2	325550	321190	324461	323734	0.70	cps
Selenium	82-1	892	757	729	793	11.01	cps
Selenium	77-2	73	103	93	90	16.98	cps
Selenium	78-2	760	730	673	721	6.10	cps
Silicon	28-1	706413	702242	710715	706456	0.60	cps
Silver	107-1	8811	8278	8810	8633	3.56	cps
Silver	109-1	8229	8266	7959	8151	2.06	cps
Sodium	23-2	236962	235873	235001	235945	0.42	cps
Strontium	86-1	2700	2844	2810	2785	2.69	cps
Strontium	88-1	16800	17511	17647	17319	2.63	cps
Sulfur	34-1	196014	196793	196000	196269	0.23	cps
Terbium	159-1	6900341	6782759	6906199	6863100	1.01	cps
Terbium	159-2	5597705	5639897	5606474	5614692	0.40	cps
Thallium	203-1	5431	5314	5444	5397	1.33	cps
Thallium	205-1	12893	13490	12910	13098	2.60	cps
Tin	118-1	24905	25473	25202	25193	1.13	cps
Titanium	47-1	4617	4491	4594	4567	1.48	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:12:32	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13877	14234	13707	13940	1.93	cps
Vanadium	51-2	12669	12819	12745	12744	0.59	cps
Yttrium	89-1	9502957	9569975	9731234	9601389	1.22	cps
Yttrium	89-2	2711495	2730014	2637859	2693123	1.81	cps
Zinc	66-2	3974	4087	4031	4031	1.41	cps
Zirconium	90-1	11321	11548	11802	11557	2.08	cps
Zirconium	91-1	2677	2837	2420	2645	7.95	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BL	Instrumnet Name :	P7
Client Sample ID :	PB168937BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:15:53	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	253	237	220	237	7.04	cps
Antimony	121-1	80	83	83	82	2.38	cps
Arsenic	75-2	10	0	10	7	86.60	cps
Barium	135-1	13	7	10	10	33.30	cps
Barium	137-1	30	27	47	34	31.11	cps
Beryllium	9-1	0	0	4	2	127.06	cps
Bismuth	209-1	4208748	4224670	4198634	4210684	0.31	cps
Bismuth	209-2	4294286	4266481	4310082	4290283	0.51	cps
Bromine	81-1	10277	10627	10927	10611	3.07	cps
Bromine	81-2	327	257	383	322	19.69	cps
Cadmium	108-1	13	13	13	13	0.00	cps
Cadmium	106-1	2267	2280	2260	2269	0.45	cps
Cadmium	111-1	1587	1593	1593	1591	0.21	cps
Calcium	43-1	293	263	287	281	5.60	cps
Calcium	44-1	34987	35077	34369	34811	1.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2007	1910	1820	1912	4.88	cps
Cobalt	59-2	60	67	83	70	17.17	cps
Copper	63-2	1517	1467	1410	1465	3.64	cps
Dysprosium	156-1	7	0	17	8	107.84	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	30	37	40	36	14.32	cps
Erbium	164-2	33	27	33	31	12.36	cps
Gadolinium	160-1	37	43	30	37	18.18	cps
Gadolinium	160-2	273	330	290	298	9.78	cps
Holmium	165-1	6633447	6686652	6537293	6619131	1.14	cps
Holmium	165-2	5592436	5561440	5594380	5582752	0.33	cps
Indium	115-1	6146855	6032222	6120098	6099725	0.98	cps
Indium	115-2	2447244	2431524	2480515	2453095	1.02	cps
Iron	56-2	20437	20150	20114	20234	0.88	cps
Iron	57-2	1167	1290	1117	1191	7.49	cps
Iron	54-2	2480	2424	2487	2464	1.41	cps
Krypton	83-1	543	567	603	571	5.30	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BL	Instrumnet Name :	P7
Client Sample ID :	PB168937BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:15:53	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	623	603	643	623	3.21	cps
Lead	207-1	483	527	473	494	5.73	cps
Lead	208-1	2402	2524	2502	2476	2.63	cps
Lithium	6-1	438277	437166	440489	438644	0.39	cps
Magnesium	24-2	130	200	157	162	21.78	cps
Manganese	55-2	587	703	667	652	9.15	cps
Molybdenum	94-1	260	360	283	301	17.37	cps
Molybdenum	95-1	260	220	310	263	17.13	cps
Molybdenum	96-1	293	310	297	300	2.94	cps
Molybdenum	97-1	213	213	280	236	16.34	cps
Molybdenum	98-1	347	377	467	397	15.74	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	10	3	7	7	50.03	cps
Nickel	60-2	471	448	537	485	9.50	cps
Phosphorus	31-2	500	450	463	471	5.50	cps
Potassium	39-2	62819	61888	62367	62358	0.75	cps
Rhodium	103-1	6166629	6165734	6118573	6150312	0.45	cps
Rhodium	103-2	4006102	4081388	3978241	4021910	1.33	cps
Scandium	45-1	4134929	4193325	4125259	4151171	0.89	cps
Scandium	45-2	322325	320344	320974	321214	0.32	cps
Selenium	82-1	160	162	49	124	52.59	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	453	447	537	479	10.47	cps
Silicon	28-1	687965	679255	680477	682566	0.69	cps
Silver	107-1	153	133	160	149	9.31	cps
Silver	109-1	103	90	107	100	8.82	cps
Sodium	23-2	30958	30958	31095	31003	0.26	cps
Strontium	86-1	820	790	823	811	2.26	cps
Strontium	88-1	70	140	100	103	33.99	cps
Sulfur	34-1	191797	191322	190990	191370	0.21	cps
Terbium	159-1	6881789	6784186	6755683	6807219	0.97	cps
Terbium	159-2	5650131	5522165	5593030	5588442	1.15	cps
Thallium	203-1	453	537	510	500	8.51	cps
Thallium	205-1	1230	1047	1150	1142	8.05	cps
Tin	118-1	1157	1043	1137	1112	5.44	cps
Titanium	47-1	87	117	130	111	19.97	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BL	Instrumnet Name :	P7
Client Sample ID :	PB168937BL	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:15:53	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3	7	7	6	34.70	cps
Vanadium	51-2	17	3	10	10	66.70	cps
Yttrium	89-1	9473320	9568932	9510310	9517520	0.51	cps
Yttrium	89-2	2689586	2719027	2684727	2697780	0.69	cps
Zinc	66-2	527	543	623	564	9.16	cps
Zirconium	90-1	397	410	420	409	2.86	cps
Zirconium	91-1	80	87	43	70	33.34	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BS	Instrumnet Name :	P7
Client Sample ID :	PB168937BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:19:10	DataFile Name :	029LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1785157	1679358	1738896	1734470	3.06	cps
Antimony	121-1	3187282	3163040	3161329	3170550	0.46	cps
Arsenic	75-2	181744	180232	179230	180402	0.70	cps
Barium	135-1	3665064	3705654	3725498	3698739	0.83	cps
Barium	137-1	6212283	6309181	6346970	6289478	1.10	cps
Beryllium	9-1	369281	374997	379242	374506	1.33	cps
Bismuth	209-1	4277823	4257760	4205960	4247181	0.87	cps
Bismuth	209-2	4293994	4418658	4406442	4373031	1.57	cps
Bromine	81-1	9787	10214	9823	9941	2.38	cps
Bromine	81-2	130	143	113	129	11.67	cps
Cadmium	108-1	53455	54873	54565	54298	1.37	cps
Cadmium	106-1	76430	77552	78404	77462	1.28	cps
Cadmium	111-1	739134	744885	753097	745706	0.94	cps
Calcium	43-1	883432	896846	902170	894149	1.08	cps
Calcium	44-1	15638306	15695499	15730134	15687979	0.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1616730	1615914	1644073	1625572	0.99	cps
Cobalt	59-2	2538667	2452767	2494351	2495262	1.72	cps
Copper	63-2	18151469	18966668	18478065	18532068	2.21	cps
Dysprosium	156-1	50	73	63	62	18.81	cps
Dysprosium	156-2	153	167	207	176	15.81	cps
Erbium	164-1	117	150	140	136	12.62	cps
Erbium	164-2	100	103	97	100	3.33	cps
Gadolinium	160-1	93	83	100	92	9.10	cps
Gadolinium	160-2	370	297	317	328	11.57	cps
Holmium	165-1	6846476	6683698	6772378	6767517	1.20	cps
Holmium	165-2	5584716	5984142	5803578	5790812	3.45	cps
Indium	115-1	6164392	5997129	6148293	6103271	1.51	cps
Indium	115-2	2468339	2445088	2461898	2458442	0.49	cps
Iron	56-2	77553556	74272747	76002892	75943065	2.16	cps
Iron	57-2	1941031	1847834	1837028	1875298	3.05	cps
Iron	54-2	4231633	4149391	4190101	4190375	0.98	cps
Krypton	83-1	563	527	477	522	8.33	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BS	Instrumnet Name :	P7
Client Sample ID :	PB168937BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:19:10	DataFile Name :	029LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10769762	10983791	11026864	10926806	1.26	cps
Lead	207-1	9617184	9749178	9623166	9663176	0.77	cps
Lead	208-1	44054433	44880064	44537411	44490636	0.93	cps
Lithium	6-1	458263	457112	457319	457565	0.13	cps
Magnesium	24-2	15320946	14962607	15043731	15109095	1.24	cps
Manganese	55-2	12396287	12440444	12567819	12468183	0.71	cps
Molybdenum	94-1	11654340	11517267	11617970	11596526	0.61	cps
Molybdenum	95-1	16844888	16842872	16602512	16763424	0.83	cps
Molybdenum	96-1	17975407	18163866	18344267	18161180	1.02	cps
Molybdenum	97-1	10064052	10293344	10247965	10201787	1.19	cps
Molybdenum	98-1	26155253	26439545	26755553	26450117	1.14	cps
Neodymium	150-1	160	137	143	147	8.19	cps
Neodymium	150-2	33	60	23	39	48.75	cps
Nickel	60-2	877561	872644	868879	873028	0.50	cps
Phosphorus	31-2	83751	82139	81703	82531	1.31	cps
Potassium	39-2	8454845	8533127	8374713	8454228	0.94	cps
Rhodium	103-1	6150979	6189841	6183998	6174939	0.34	cps
Rhodium	103-2	3928782	3994961	4000786	3974843	1.01	cps
Scandium	45-1	4139049	4148662	4187103	4158271	0.61	cps
Scandium	45-2	321434	330416	328026	326625	1.42	cps
Selenium	82-1	62490	63641	63875	63336	1.17	cps
Selenium	77-2	7055	6725	6812	6864	2.49	cps
Selenium	78-2	23011	23188	22764	22988	0.93	cps
Silicon	28-1	27728305	28107855	27866253	27900804	0.69	cps
Silver	107-1	4200541	4269268	4255936	4241915	0.86	cps
Silver	109-1	3977136	3943687	3995893	3972239	0.67	cps
Sodium	23-2	23453214	22714703	23337866	23168594	1.71	cps
Strontium	86-1	914825	928216	931824	924955	0.97	cps
Strontium	88-1	9178391	9336998	9385948	9300446	1.17	cps
Sulfur	34-1	448181	450537	449057	449259	0.27	cps
Terbium	159-1	7070423	6929351	7108334	7036036	1.34	cps
Terbium	159-2	5815612	5616294	5760840	5730916	1.80	cps
Thallium	203-1	2680515	2681086	2690998	2684200	0.22	cps
Thallium	205-1	6463046	6323842	6540810	6442566	1.71	cps
Tin	118-1	2631741	2570150	2589177	2597022	1.21	cps
Titanium	47-1	4809937	4783768	4954535	4849414	1.90	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937BS	Instrumnet Name :	P7
Client Sample ID :	PB168937BS	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:19:10	DataFile Name :	029LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7829772	8233386	8247119	8103426	2.93	cps
Vanadium	51-2	1368285	1365235	1387895	1373805	0.90	cps
Yttrium	89-1	9720084	9800224	9823047	9781118	0.55	cps
Yttrium	89-2	2691069	2789077	2698731	2726292	2.00	cps
Zinc	66-2	3394779	3388861	3399717	3394452	0.16	cps
Zirconium	90-1	5822411	5879559	5917953	5873308	0.82	cps
Zirconium	91-1	1111442	1116364	1114462	1114089	0.22	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:21:55	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2032827	2003902	1962122	1999617	1.78	cps
Antimony	121-1	19822	16460	15737	17340	12.57	cps
Arsenic	75-2	4734	4534	4824	4697	3.16	cps
Barium	135-1	35915	35768	36219	35968	0.64	cps
Barium	137-1	61697	63274	63173	62715	1.41	cps
Beryllium	9-1	-1109	-1154	-1246	-1169	-6.00	cps
Bismuth	209-1	5001998	4961393	4935753	4966381	0.67	cps
Bismuth	209-2	4756707	4631690	4734418	4707605	1.42	cps
Bromine	81-1	103423	119570	123908	115634	9.34	cps
Bromine	81-2	21850	21653	21479	21660	0.86	cps
Cadmium	108-1	180	193	187	187	3.57	cps
Cadmium	106-1	2794	2480	2544	2606	6.36	cps
Cadmium	111-1	4750	4585	4290	4541	5.13	cps
Calcium	43-1	999784	994535	982682	992334	0.88	cps
Calcium	44-1	17867099	17583904	17400776	17617259	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29863	29686	30421	29990	1.28	cps
Cobalt	59-2	125682	124680	126889	125750	0.88	cps
Copper	63-2	245208	247119	242791	245039	0.89	cps
Dysprosium	156-1	38242	38329	38132	38234	0.26	cps
Dysprosium	156-2	38296	37841	38513	38216	0.90	cps
Erbium	164-1	40746	41318	40555	40873	0.97	cps
Erbium	164-2	32441	31960	33236	32546	1.98	cps
Gadolinium	160-1	37811	37671	38292	37925	0.86	cps
Gadolinium	160-2	32297	31880	31606	31927	1.09	cps
Holmium	165-1	6906754	7054492	7142410	7034552	1.69	cps
Holmium	165-2	5639179	5655992	5736323	5677165	0.91	cps
Indium	115-1	7058701	7248586	7324564	7210617	1.90	cps
Indium	115-2	2753159	2666817	2679270	2699748	1.73	cps
Iron	56-2	13372382	13181566	13057714	13203887	1.20	cps
Iron	57-2	311443	310383	305755	309194	0.98	cps
Iron	54-2	652857	648109	649807	650258	0.37	cps
Krypton	83-1	600	620	713	644	9.39	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:21:55	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	78022	80300	80145	79489	1.60	cps
Lead	207-1	64439	65236	67320	65665	2.27	cps
Lead	208-1	301392	309995	312906	308098	1.94	cps
Lithium	6-1	449284	430329	418610	432741	3.58	cps
Magnesium	24-2	2322326	2357344	2321103	2333591	0.88	cps
Manganese	55-2	5780180	5790008	5705193	5758460	0.81	cps
Molybdenum	94-1	2930	2514	2830	2758	7.89	cps
Molybdenum	95-1	1363	1247	1280	1297	4.63	cps
Molybdenum	96-1	1927	1743	1647	1772	8.03	cps
Molybdenum	97-1	950	850	930	910	5.82	cps
Molybdenum	98-1	2167	2084	1963	2071	4.94	cps
Neodymium	150-1	55978	56667	56717	56454	0.73	cps
Neodymium	150-2	36958	37206	36688	36951	0.70	cps
Nickel	60-2	46625	46836	46727	46729	0.23	cps
Phosphorus	31-2	16612	16726	16456	16598	0.82	cps
Potassium	39-2	2899655	2911208	2825772	2878879	1.61	cps
Rhodium	103-1	6168488	6196596	6288321	6217802	1.01	cps
Rhodium	103-2	3962293	3824828	3985224	3924115	2.21	cps
Scandium	45-1	4189990	4004234	3979738	4057987	2.83	cps
Scandium	45-2	293549	287958	289555	290354	0.99	cps
Selenium	82-1	368	328	230	308	22.99	cps
Selenium	77-2	127	160	160	149	12.92	cps
Selenium	78-2	537	507	587	543	7.44	cps
Silicon	28-1	22389975	22284837	22024411	22233074	0.85	cps
Silver	107-1	5889	6437	5929	6085	5.02	cps
Silver	109-1	5538	5691	5441	5557	2.27	cps
Sodium	23-2	1127428	1114881	1128899	1123736	0.69	cps
Strontium	86-1	343118	341275	345609	343334	0.63	cps
Strontium	88-1	3444478	3445082	3496614	3462058	0.86	cps
Sulfur	34-1	2810934	2705500	2718072	2744835	2.10	cps
Terbium	159-1	7326992	7319425	7401893	7349437	0.62	cps
Terbium	159-2	5840586	5746137	5788010	5791578	0.82	cps
Thallium	203-1	3797	3984	4521	4101	9.16	cps
Thallium	205-1	8993	9590	10568	9717	8.18	cps
Tin	118-1	95645	92730	88715	92363	3.77	cps
Titanium	47-1	5191	5091	5051	5111	1.41	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:21:55	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23458	23544	24456	23819	2.32	cps
Vanadium	51-2	60066	61518	59350	60311	1.83	cps
Yttrium	89-1	10717016	11012359	10949352	10892909	1.43	cps
Yttrium	89-2	2804384	2705121	2827060	2778855	2.33	cps
Zinc	66-2	203496	202130	205392	203673	0.80	cps
Zirconium	90-1	5118	5541	5481	5380	4.26	cps
Zirconium	91-1	1230	1250	1323	1268	3.88	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:25:03	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3806367	3830716	3862024	3833036	0.73	cps
Antimony	121-1	12342	13522	13093	12986	4.60	cps
Arsenic	75-2	7429	7345	7405	7393	0.58	cps
Barium	135-1	55237	56385	56656	56092	1.34	cps
Barium	137-1	96568	97932	98868	97789	1.18	cps
Beryllium	9-1	7	-164	-222	-127	-94.17	cps
Bismuth	209-1	4893380	4920831	4757040	4857084	1.81	cps
Bismuth	209-2	4675083	4612876	4601200	4629720	0.86	cps
Bromine	81-1	105479	123650	128961	119363	10.32	cps
Bromine	81-2	21876	21633	21813	21774	0.58	cps
Cadmium	108-1	307	270	277	284	6.87	cps
Cadmium	106-1	3164	2940	3067	3057	3.66	cps
Cadmium	111-1	5734	5613	5594	5647	1.34	cps
Calcium	43-1	831845	846923	842519	840429	0.92	cps
Calcium	44-1	14947453	14746724	14936268	14876815	0.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61431	60932	60852	61072	0.51	cps
Cobalt	59-2	247952	246268	247719	247313	0.37	cps
Copper	63-2	505470	502969	502752	503730	0.30	cps
Dysprosium	156-1	106528	108569	109040	108046	1.24	cps
Dysprosium	156-2	105745	105083	107209	106012	1.03	cps
Erbium	164-1	108851	112608	112035	111165	1.82	cps
Erbium	164-2	88284	89203	88117	88535	0.66	cps
Gadolinium	160-1	104248	106831	104191	105090	1.44	cps
Gadolinium	160-2	88638	87994	88917	88517	0.53	cps
Holmium	165-1	7268569	7425286	7235285	7309714	1.39	cps
Holmium	165-2	5731215	5671185	5720215	5707538	0.56	cps
Indium	115-1	6966658	7086300	6972258	7008405	0.96	cps
Indium	115-2	2604730	2621895	2598744	2608456	0.46	cps
Iron	56-2	25209235	25253042	25172969	25211749	0.16	cps
Iron	57-2	577917	572731	570688	573779	0.65	cps
Iron	54-2	1382163	1367432	1364001	1371199	0.70	cps
Krypton	83-1	713	737	717	722	1.75	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:25:03	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	133052	137960	140682	137231	2.82	cps
Lead	207-1	110140	112540	113807	112162	1.66	cps
Lead	208-1	515696	532527	532662	526962	1.85	cps
Lithium	6-1	404539	404287	395901	401576	1.22	cps
Magnesium	24-2	2338306	2407431	2426534	2390757	1.94	cps
Manganese	55-2	8919410	8710765	8739846	8790007	1.29	cps
Molybdenum	94-1	3040	3207	3420	3223	5.91	cps
Molybdenum	95-1	1713	1737	1897	1782	5.60	cps
Molybdenum	96-1	2260	2174	2284	2239	2.59	cps
Molybdenum	97-1	1140	1023	1153	1106	6.47	cps
Molybdenum	98-1	2220	2707	2637	2521	10.44	cps
Neodymium	150-1	165226	168290	168988	167501	1.19	cps
Neodymium	150-2	109963	108706	110513	109728	0.84	cps
Nickel	60-2	86786	87266	87674	87242	0.51	cps
Phosphorus	31-2	18525	18645	18261	18477	1.06	cps
Potassium	39-2	3863246	3824078	3926196	3871173	1.33	cps
Rhodium	103-1	6383204	6403065	6298199	6361489	0.88	cps
Rhodium	103-2	4056421	3966802	4012857	4012027	1.12	cps
Scandium	45-1	3966537	4020294	3938467	3975099	1.05	cps
Scandium	45-2	292261	290151	291352	291255	0.36	cps
Selenium	82-1	488	486	449	474	4.57	cps
Selenium	77-2	443	420	393	419	5.97	cps
Selenium	78-2	723	760	793	759	4.61	cps
Silicon	28-1	46013201	46583876	46159888	46252322	0.64	cps
Silver	107-1	4048	4444	4602	4364	6.54	cps
Silver	109-1	3010	3600	3641	3417	10.33	cps
Sodium	23-2	1278155	1244663	1252245	1258354	1.40	cps
Strontium	86-1	327507	328024	330330	328620	0.46	cps
Strontium	88-1	3241584	3376807	3291087	3303160	2.07	cps
Sulfur	34-1	3014722	3136340	3044727	3065263	2.07	cps
Terbium	159-1	7491554	7582528	7625527	7566536	0.90	cps
Terbium	159-2	5800797	5718310	5603376	5707494	1.74	cps
Thallium	203-1	2090	2507	2417	2338	9.38	cps
Thallium	205-1	4951	5721	5661	5444	7.87	cps
Tin	118-1	53944	58023	59841	57269	5.27	cps
Titanium	47-1	153976	155942	153077	154332	0.95	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:25:03	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	91738	94684	92782	93068	1.60	cps
Vanadium	51-2	95376	96507	95678	95854	0.61	cps
Yttrium	89-1	11923071	12208616	12066496	12066061	1.18	cps
Yttrium	89-2	3208869	3163452	3104846	3159056	1.65	cps
Zinc	66-2	225586	225682	227541	226270	0.49	cps
Zirconium	90-1	6051	6475	6201	6243	3.44	cps
Zirconium	91-1	1383	1453	1363	1400	3.38	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:28:13	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2977235	2952164	3019751	2983050	1.15	cps
Antimony	121-1	10703	11266	11616	11195	4.12	cps
Arsenic	75-2	5765	5564	5498	5609	2.48	cps
Barium	135-1	34408	35932	35404	35248	2.20	cps
Barium	137-1	59551	61841	62283	61225	2.40	cps
Beryllium	9-1	-154	-494	-229	-292	-61.14	cps
Bismuth	209-1	4930467	4844867	4888739	4888024	0.88	cps
Bismuth	209-2	4639702	4740308	4660514	4680175	1.13	cps
Bromine	81-1	106319	123054	127851	119075	9.49	cps
Bromine	81-2	21502	21389	21706	21532	0.75	cps
Cadmium	108-1	233	233	273	247	9.36	cps
Cadmium	106-1	2870	2840	2727	2813	2.69	cps
Cadmium	111-1	4876	4979	4825	4893	1.60	cps
Calcium	43-1	761959	772035	765640	766545	0.67	cps
Calcium	44-1	13723939	13362384	13149025	13411782	2.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37436	38757	38028	38074	1.74	cps
Cobalt	59-2	183192	187587	183783	184854	1.29	cps
Copper	63-2	385540	378871	374892	379767	1.42	cps
Dysprosium	156-1	83604	85043	84701	84449	0.89	cps
Dysprosium	156-2	83423	82987	82534	82981	0.54	cps
Erbium	164-1	87526	89042	89146	88571	1.02	cps
Erbium	164-2	69693	70956	71037	70562	1.07	cps
Gadolinium	160-1	81988	83964	85338	83763	2.01	cps
Gadolinium	160-2	70925	69682	70326	70311	0.88	cps
Holmium	165-1	7114941	7379592	7436438	7310324	2.35	cps
Holmium	165-2	5789547	5861777	5718156	5789827	1.24	cps
Indium	115-1	6932394	6907580	7084009	6974661	1.37	cps
Indium	115-2	2481065	2666507	2568695	2572089	3.61	cps
Iron	56-2	11187165	10716534	10828058	10910585	2.25	cps
Iron	57-2	257447	250130	248730	252102	1.86	cps
Iron	54-2	529407	540309	536935	535550	1.04	cps
Krypton	83-1	710	667	693	690	3.17	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:28:13	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	97470	99639	100842	99317	1.72	cps
Lead	207-1	79435	81175	83066	81225	2.24	cps
Lead	208-1	372874	379132	389940	380649	2.27	cps
Lithium	6-1	384135	387797	392992	388308	1.15	cps
Magnesium	24-2	1890190	1858855	1915449	1888165	1.50	cps
Manganese	55-2	6905094	6985203	6808023	6899440	1.29	cps
Molybdenum	94-1	2294	2277	2047	2206	6.25	cps
Molybdenum	95-1	1103	963	1153	1073	9.18	cps
Molybdenum	96-1	1400	1400	1437	1412	1.50	cps
Molybdenum	97-1	693	577	737	669	12.37	cps
Molybdenum	98-1	1520	1570	1490	1527	2.65	cps
Neodymium	150-1	127104	129769	132261	129711	1.99	cps
Neodymium	150-2	84783	85213	82836	84277	1.50	cps
Nickel	60-2	61772	62073	62702	62183	0.76	cps
Phosphorus	31-2	17066	17116	16346	16843	2.56	cps
Potassium	39-2	3149349	3327280	3180258	3218962	2.95	cps
Rhodium	103-1	6281285	6270249	6200964	6250833	0.70	cps
Rhodium	103-2	3927097	4049579	3979890	3985522	1.54	cps
Scandium	45-1	4013610	3967588	3975421	3985539	0.62	cps
Scandium	45-2	281276	288010	286923	285403	1.27	cps
Selenium	82-1	416	470	398	428	8.77	cps
Selenium	77-2	350	363	360	358	1.94	cps
Selenium	78-2	630	703	673	669	5.51	cps
Silicon	28-1	31732481	31666137	31789395	31729338	0.19	cps
Silver	107-1	3108	3408	3591	3369	7.24	cps
Silver	109-1	2247	2650	2987	2628	14.10	cps
Sodium	23-2	1101283	1135482	1150862	1129209	2.25	cps
Strontium	86-1	294192	290851	291630	292225	0.60	cps
Strontium	88-1	2918363	2952853	2902142	2924453	0.89	cps
Sulfur	34-1	2661970	2658317	2609388	2643225	1.11	cps
Terbium	159-1	7524526	7545969	7492924	7521140	0.35	cps
Terbium	159-2	5700397	5802055	5749705	5750719	0.88	cps
Thallium	203-1	1073	1090	1153	1106	3.82	cps
Thallium	205-1	2380	2734	2790	2635	8.43	cps
Tin	118-1	40276	43165	46013	43151	6.65	cps
Titanium	47-1	5098	4624	5128	4950	5.71	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:28:13	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	66476	69458	70108	68680	2.82	cps
Vanadium	51-2	68980	68190	67323	68164	1.22	cps
Yttrium	89-1	11492193	11503718	11520949	11505620	0.13	cps
Yttrium	89-2	2992672	2982744	3000171	2991863	0.29	cps
Zinc	66-2	195826	201439	196233	197833	1.58	cps
Zirconium	90-1	4381	4854	4951	4729	6.45	cps
Zirconium	91-1	1060	973	1023	1019	4.27	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:31:21	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2281260	2299658	2307012	2295977	0.58	cps
Antimony	121-1	9164	10245	10210	9873	6.22	cps
Arsenic	75-2	3914	3884	3831	3876	1.09	cps
Barium	135-1	38489	39496	38185	38723	1.77	cps
Barium	137-1	67730	67111	67318	67387	0.47	cps
Beryllium	9-1	-675	-934	-851	-820	-16.15	cps
Bismuth	209-1	5055693	4974796	4811943	4947477	2.51	cps
Bismuth	209-2	4577911	4475225	4597641	4550259	1.44	cps
Bromine	81-1	105470	121760	126194	117808	9.26	cps
Bromine	81-2	21215	20721	20755	20897	1.32	cps
Cadmium	108-1	330	263	337	310	13.08	cps
Cadmium	106-1	2737	2664	2867	2756	3.74	cps
Cadmium	111-1	5592	5561	5718	5624	1.48	cps
Calcium	43-1	1006372	1002989	993017	1000793	0.69	cps
Calcium	44-1	18051578	17781134	17362170	17731627	1.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29339	28754	28988	29027	1.01	cps
Cobalt	59-2	213530	211722	214340	213197	0.63	cps
Copper	63-2	230108	229514	225249	228290	1.16	cps
Dysprosium	156-1	53482	54338	53974	53931	0.80	cps
Dysprosium	156-2	52367	52123	52655	52382	0.51	cps
Erbium	164-1	54537	56520	56531	55863	2.06	cps
Erbium	164-2	42150	42501	41686	42112	0.97	cps
Gadolinium	160-1	51364	52993	52605	52321	1.63	cps
Gadolinium	160-2	42541	42367	42835	42581	0.56	cps
Holmium	165-1	7381079	7352599	7342477	7358718	0.27	cps
Holmium	165-2	5628122	5557589	5628141	5604617	0.73	cps
Indium	115-1	6858819	6887539	6839325	6861894	0.35	cps
Indium	115-2	2499251	2439785	2472876	2470637	1.21	cps
Iron	56-2	5203792	5150353	5295259	5216468	1.40	cps
Iron	57-2	132667	133158	131661	132495	0.58	cps
Iron	54-2	256794	254676	265304	258925	2.17	cps
Krypton	83-1	710	683	660	684	3.66	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:31:21	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	49989	50192	51110	50430	1.18	cps
Lead	207-1	41179	42229	41320	41576	1.37	cps
Lead	208-1	193466	194708	196604	194926	0.81	cps
Lithium	6-1	394651	391929	387061	391213	0.98	cps
Magnesium	24-2	2503272	2605814	2579593	2562893	2.08	cps
Manganese	55-2	8818717	8685615	8906936	8803756	1.27	cps
Molybdenum	94-1	1817	1603	1767	1729	6.45	cps
Molybdenum	95-1	987	1057	1080	1041	4.67	cps
Molybdenum	96-1	1293	1253	1303	1283	2.06	cps
Molybdenum	97-1	613	633	640	629	2.21	cps
Molybdenum	98-1	1427	1383	1480	1430	3.39	cps
Neodymium	150-1	77757	79369	78581	78569	1.03	cps
Neodymium	150-2	49938	49316	49667	49640	0.63	cps
Nickel	60-2	68291	67536	67970	67932	0.56	cps
Phosphorus	31-2	10997	10721	10911	10876	1.30	cps
Potassium	39-2	4070425	4116491	4091373	4092763	0.56	cps
Rhodium	103-1	6217001	6278022	6211579	6235534	0.59	cps
Rhodium	103-2	3853829	3811686	3861339	3842285	0.70	cps
Scandium	45-1	3938158	3881401	3855518	3891692	1.09	cps
Scandium	45-2	276827	275241	282464	278177	1.36	cps
Selenium	82-1	247	297	216	253	16.02	cps
Selenium	77-2	217	257	243	239	8.53	cps
Selenium	78-2	560	587	537	561	4.46	cps
Silicon	28-1	30717512	29858931	30664053	30413499	1.58	cps
Silver	107-1	2321	2633	3062	2672	13.94	cps
Silver	109-1	2054	2390	2430	2291	9.03	cps
Sodium	23-2	1415862	1443023	1472880	1443922	1.98	cps
Strontium	86-1	396265	401636	398019	398640	0.69	cps
Strontium	88-1	4006507	4038917	3944775	3996733	1.20	cps
Sulfur	34-1	2412503	2398669	2435752	2415641	0.78	cps
Terbium	159-1	7581308	7590733	7658650	7610230	0.55	cps
Terbium	159-2	5706161	5624293	5625721	5652058	0.83	cps
Thallium	203-1	893	897	1040	943	8.88	cps
Thallium	205-1	2037	2194	2350	2194	7.14	cps
Tin	118-1	34759	38755	41078	38198	8.37	cps
Titanium	47-1	21816	21525	21235	21525	1.35	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:31:21	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23708	23564	23852	23708	0.61	cps
Vanadium	51-2	36173	36107	36050	36110	0.17	cps
Yttrium	89-1	11186285	10974343	11002676	11054435	1.04	cps
Yttrium	89-2	2812829	2690075	2793119	2765341	2.38	cps
Zinc	66-2	219908	218853	224675	221145	1.40	cps
Zirconium	90-1	3440	3427	3514	3460	1.35	cps
Zirconium	91-1	647	703	753	701	7.61	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:34:30	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2483773	2336549	2390749	2403690	3.10	cps
Antimony	121-1	11062	12001	12404	11823	5.82	cps
Arsenic	75-2	3370	3250	3127	3249	3.75	cps
Barium	135-1	26077	26151	26171	26133	0.19	cps
Barium	137-1	45506	45991	46402	45966	0.98	cps
Beryllium	9-1	414	422	352	396	9.58	cps
Bismuth	209-1	4968449	4932569	4938001	4946339	0.39	cps
Bismuth	209-2	4610815	4574186	4495163	4560055	1.30	cps
Bromine	81-1	100515	115777	121690	112661	9.70	cps
Bromine	81-2	20034	20448	20077	20186	1.13	cps
Cadmium	108-1	273	307	307	296	6.51	cps
Cadmium	106-1	2900	2860	2797	2853	1.83	cps
Cadmium	111-1	5879	5905	5954	5913	0.64	cps
Calcium	43-1	544298	546809	545079	545395	0.24	cps
Calcium	44-1	9605363	9855031	9633473	9697956	1.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	92861	94993	91663	93172	1.81	cps
Cobalt	59-2	167037	167532	164124	166231	1.11	cps
Copper	63-2	862817	850421	853828	855689	0.75	cps
Dysprosium	156-1	85586	88051	87149	86929	1.43	cps
Dysprosium	156-2	81586	81234	81307	81375	0.23	cps
Erbium	164-1	88237	89263	91149	89550	1.65	cps
Erbium	164-2	69157	69268	66970	68465	1.89	cps
Gadolinium	160-1	86421	86495	88656	87191	1.46	cps
Gadolinium	160-2	69947	69622	70493	70021	0.63	cps
Holmium	165-1	7369222	7388094	7475841	7411053	0.77	cps
Holmium	165-2	5641466	5702544	5528995	5624335	1.57	cps
Indium	115-1	6887869	6901545	6879134	6889516	0.16	cps
Indium	115-2	2453042	2466048	2451343	2456811	0.33	cps
Iron	56-2	25428737	24958262	25727414	25371471	1.53	cps
Iron	57-2	577446	566749	570727	571641	0.95	cps
Iron	54-2	1378419	1386202	1397899	1387506	0.71	cps
Krypton	83-1	677	637	613	642	4.99	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:34:30	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	229578	229215	231301	230031	0.48	cps
Lead	207-1	184904	187550	190275	187576	1.43	cps
Lead	208-1	871378	878474	885380	878411	0.80	cps
Lithium	6-1	392967	387846	394288	391700	0.87	cps
Magnesium	24-2	1567481	1540913	1584489	1564294	1.40	cps
Manganese	55-2	5423265	5424363	5526140	5457923	1.08	cps
Molybdenum	94-1	1497	1507	1467	1490	1.40	cps
Molybdenum	95-1	1027	1097	1067	1063	3.30	cps
Molybdenum	96-1	1370	1247	1493	1370	9.00	cps
Molybdenum	97-1	597	753	713	688	11.84	cps
Molybdenum	98-1	1373	1507	1450	1443	4.64	cps
Neodymium	150-1	131684	133210	131965	132287	0.61	cps
Neodymium	150-2	86142	84731	82997	84623	1.86	cps
Nickel	60-2	66510	67020	67528	67019	0.76	cps
Phosphorus	31-2	21936	22827	22510	22424	2.01	cps
Potassium	39-2	1786247	1805723	1732488	1774819	2.14	cps
Rhodium	103-1	6167155	6238019	6270179	6225118	0.85	cps
Rhodium	103-2	3972644	3959942	3904148	3945578	0.92	cps
Scandium	45-1	3815788	3866070	3802909	3828256	0.87	cps
Scandium	45-2	278143	274314	280770	277742	1.17	cps
Selenium	82-1	356	406	436	400	10.12	cps
Selenium	77-2	407	393	337	379	9.81	cps
Selenium	78-2	667	633	613	638	4.22	cps
Silicon	28-1	30798026	31001539	31080891	30960152	0.47	cps
Silver	107-1	3282	3638	4041	3653	10.39	cps
Silver	109-1	1753	2010	2147	1970	10.14	cps
Sodium	23-2	581288	580856	592385	584843	1.12	cps
Strontium	86-1	169689	169276	171342	170102	0.64	cps
Strontium	88-1	1695194	1729075	1733879	1719383	1.23	cps
Sulfur	34-1	2524746	2421945	2520717	2489136	2.34	cps
Terbium	159-1	7693050	7648980	7684337	7675455	0.30	cps
Terbium	159-2	5508571	5519386	5587265	5538407	0.77	cps
Thallium	203-1	890	847	787	841	6.17	cps
Thallium	205-1	1947	1940	1950	1946	0.26	cps
Tin	118-1	30646	33439	35965	33350	7.98	cps
Titanium	47-1	10487	10394	10861	10580	2.34	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:34:30	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	142501	147403	144715	144873	1.69	cps
Vanadium	51-2	95967	92177	92301	93481	2.30	cps
Yttrium	89-1	11212157	11297107	11429186	11312816	0.97	cps
Yttrium	89-2	2834657	2870130	2838048	2847612	0.69	cps
Zinc	66-2	203707	204300	201862	203290	0.63	cps
Zirconium	90-1	2514	2884	2480	2626	8.53	cps
Zirconium	91-1	543	580	567	563	3.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:37:38	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2247024	2266825	2224691	2246180	0.94	cps
Antimony	121-1	11580	12331	12899	12270	5.39	cps
Arsenic	75-2	3257	3440	3587	3428	4.82	cps
Barium	135-1	26408	27316	27640	27122	2.36	cps
Barium	137-1	47650	47483	47844	47659	0.38	cps
Beryllium	9-1	469	345	525	446	20.55	cps
Bismuth	209-1	4961622	4944452	4954463	4953513	0.17	cps
Bismuth	209-2	4654479	4489440	4462551	4535490	2.29	cps
Bromine	81-1	101699	116482	120144	112775	8.66	cps
Bromine	81-2	20227	20134	20695	20352	1.48	cps
Cadmium	108-1	243	360	333	312	19.58	cps
Cadmium	106-1	2810	2797	2714	2774	1.89	cps
Cadmium	111-1	5807	5763	5663	5745	1.28	cps
Calcium	43-1	543819	543613	546117	544516	0.26	cps
Calcium	44-1	9599865	9819964	9626706	9682179	1.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	99032	99916	96396	98448	1.86	cps
Cobalt	59-2	163404	163646	159590	162213	1.40	cps
Copper	63-2	869453	874748	862556	868919	0.70	cps
Dysprosium	156-1	85056	87015	87903	86658	1.68	cps
Dysprosium	156-2	80707	78897	80453	80019	1.22	cps
Erbium	164-1	87067	89549	87955	88190	1.43	cps
Erbium	164-2	68075	67369	64147	66530	3.15	cps
Gadolinium	160-1	84024	87458	86174	85885	2.02	cps
Gadolinium	160-2	70081	69408	69411	69633	0.56	cps
Holmium	165-1	7283248	7481617	7396272	7387046	1.35	cps
Holmium	165-2	5820697	5678334	5587937	5695656	2.06	cps
Indium	115-1	6757704	6891318	6812400	6820474	0.98	cps
Indium	115-2	2426636	2426796	2392404	2415279	0.82	cps
Iron	56-2	24999695	24251030	25270661	24840462	2.13	cps
Iron	57-2	560835	555128	558175	558046	0.51	cps
Iron	54-2	1374450	1320260	1334022	1342911	2.10	cps
Krypton	83-1	733	680	673	696	4.73	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:37:38	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	238903	241969	239580	240151	0.67	cps
Lead	207-1	192197	198327	198015	196180	1.76	cps
Lead	208-1	908508	931600	924251	921453	1.28	cps
Lithium	6-1	387626	388680	384727	387011	0.53	cps
Magnesium	24-2	1525683	1528923	1534779	1529795	0.30	cps
Manganese	55-2	5188494	5154305	5263681	5202160	1.08	cps
Molybdenum	94-1	1510	1423	1500	1478	3.21	cps
Molybdenum	95-1	1113	1103	1100	1106	0.63	cps
Molybdenum	96-1	1347	1550	1500	1466	7.23	cps
Molybdenum	97-1	657	820	697	724	11.75	cps
Molybdenum	98-1	1527	1600	1660	1596	4.19	cps
Neodymium	150-1	128757	131969	131583	130770	1.34	cps
Neodymium	150-2	82352	82557	82145	82351	0.25	cps
Nickel	60-2	61009	59851	59869	60243	1.10	cps
Phosphorus	31-2	22871	22537	21332	22246	3.64	cps
Potassium	39-2	1795573	1737293	1799069	1777312	1.95	cps
Rhodium	103-1	6068886	6164366	6103554	6112269	0.79	cps
Rhodium	103-2	3929448	3838951	3842180	3870193	1.33	cps
Scandium	45-1	3827546	3882523	3842891	3850986	0.74	cps
Scandium	45-2	277441	272776	279209	276475	1.20	cps
Selenium	82-1	305	426	427	386	18.16	cps
Selenium	77-2	313	393	337	348	11.83	cps
Selenium	78-2	720	600	650	657	9.18	cps
Silicon	28-1	30322900	29636449	29630329	29863226	1.33	cps
Silver	107-1	3135	3743	3632	3503	9.23	cps
Silver	109-1	1683	1990	2114	1929	11.48	cps
Sodium	23-2	592926	588234	598578	593246	0.87	cps
Strontium	86-1	170341	172735	170297	171124	0.82	cps
Strontium	88-1	1664958	1681327	1713516	1686600	1.46	cps
Sulfur	34-1	2516164	2506748	2489234	2504049	0.55	cps
Terbium	159-1	7534572	7710700	7665936	7637069	1.20	cps
Terbium	159-2	5683047	5514241	5608239	5601842	1.51	cps
Thallium	203-1	740	810	813	788	5.26	cps
Thallium	205-1	1677	1790	1773	1747	3.50	cps
Tin	118-1	37262	40250	41687	39733	5.68	cps
Titanium	47-1	10871	10634	10584	10696	1.43	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:37:38	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	156194	158923	156804	157307	0.91	cps
Vanadium	51-2	89721	91338	89427	90162	1.14	cps
Yttrium	89-1	11063222	11344187	10972061	11126490	1.74	cps
Yttrium	89-2	2836727	2829294	2804172	2823398	0.60	cps
Zinc	66-2	200595	199534	195589	198573	1.33	cps
Zirconium	90-1	2434	2527	2590	2517	3.13	cps
Zirconium	91-1	497	553	570	540	7.12	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:40:48	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2641837	2599799	2554560	2598732	1.68	cps
Antimony	121-1	11366	12325	12376	12022	4.73	cps
Arsenic	75-2	3494	3444	3664	3534	3.26	cps
Barium	135-1	26515	26902	26936	26784	0.87	cps
Barium	137-1	46626	47680	47934	47414	1.46	cps
Beryllium	9-1	395	499	373	422	16.04	cps
Bismuth	209-1	4968033	4842536	4881038	4897202	1.31	cps
Bismuth	209-2	4506110	4569857	4607798	4561255	1.13	cps
Bromine	81-1	99233	115441	120988	111887	10.10	cps
Bromine	81-2	20661	20187	20892	20580	1.74	cps
Cadmium	108-1	310	340	270	307	11.45	cps
Cadmium	106-1	2947	2850	2987	2928	2.40	cps
Cadmium	111-1	6713	6705	6733	6717	0.21	cps
Calcium	43-1	627862	633149	628584	629865	0.46	cps
Calcium	44-1	11094066	11081004	11282152	11152407	1.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	103409	104983	106369	104920	1.41	cps
Cobalt	59-2	185965	185413	185547	185642	0.16	cps
Copper	63-2	1017699	1013974	989701	1007125	1.51	cps
Dysprosium	156-1	99376	102861	102206	101481	1.82	cps
Dysprosium	156-2	96036	96412	97280	96576	0.66	cps
Erbium	164-1	101597	105284	104427	103769	1.86	cps
Erbium	164-2	79729	78419	79227	79125	0.84	cps
Gadolinium	160-1	101146	102472	101656	101758	0.66	cps
Gadolinium	160-2	84252	82797	81559	82869	1.63	cps
Holmium	165-1	7210694	7420158	7469169	7366674	1.86	cps
Holmium	165-2	5559228	5671681	5797649	5676186	2.10	cps
Indium	115-1	6797923	6920500	6859950	6859457	0.89	cps
Indium	115-2	2438102	2445618	2477355	2453692	0.85	cps
Iron	56-2	25620735	26071571	25371957	25688088	1.38	cps
Iron	57-2	577098	576307	569372	574259	0.74	cps
Iron	54-2	1399505	1414013	1390912	1401476	0.83	cps
Krypton	83-1	677	723	643	681	5.90	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:40:48	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	258668	267477	264564	263569	1.70	cps
Lead	207-1	212664	218303	217344	216104	1.40	cps
Lead	208-1	998617	1020589	1015653	1011620	1.14	cps
Lithium	6-1	368740	370676	374129	371182	0.74	cps
Magnesium	24-2	1732382	1723181	1722440	1726001	0.32	cps
Manganese	55-2	6212359	6338760	6222775	6257965	1.12	cps
Molybdenum	94-1	1630	1667	1610	1636	1.76	cps
Molybdenum	95-1	1140	1100	1130	1123	1.85	cps
Molybdenum	96-1	1423	1497	1450	1457	2.55	cps
Molybdenum	97-1	653	780	797	743	10.55	cps
Molybdenum	98-1	1550	1603	1777	1643	7.21	cps
Neodymium	150-1	155489	158014	159319	157607	1.24	cps
Neodymium	150-2	100858	98778	98891	99509	1.18	cps
Nickel	60-2	68306	67732	67838	67959	0.45	cps
Phosphorus	31-2	23572	23401	24129	23701	1.61	cps
Potassium	39-2	1963139	1978107	1982939	1974728	0.52	cps
Rhodium	103-1	6098396	6187192	6232773	6172787	1.11	cps
Rhodium	103-2	3865637	3891323	3928343	3895101	0.81	cps
Scandium	45-1	3790843	3765968	3814120	3790310	0.64	cps
Scandium	45-2	279531	279390	274284	277735	1.08	cps
Selenium	82-1	429	419	422	423	1.29	cps
Selenium	77-2	440	447	373	420	9.66	cps
Selenium	78-2	757	737	707	733	3.43	cps
Silicon	28-1	34137012	33943484	34141759	34074085	0.33	cps
Silver	107-1	3145	3780	3998	3641	12.17	cps
Silver	109-1	1590	1803	1880	1758	8.55	cps
Sodium	23-2	638461	645272	620773	634835	1.99	cps
Strontium	86-1	197930	201229	201300	200153	0.96	cps
Strontium	88-1	1985966	2006844	1987414	1993408	0.58	cps
Sulfur	34-1	2646552	2714486	2722611	2694550	1.55	cps
Terbium	159-1	7671719	7659964	7619876	7650520	0.36	cps
Terbium	159-2	5818617	5722779	5750832	5764076	0.85	cps
Thallium	203-1	787	670	837	764	11.19	cps
Thallium	205-1	1760	1670	1937	1789	7.58	cps
Tin	118-1	27600	29591	30476	29222	5.04	cps
Titanium	47-1	11458	11461	11288	11402	0.87	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 17:40:48	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	163847	168276	169492	167205	1.78	cps
Vanadium	51-2	101728	103147	101489	102121	0.88	cps
Yttrium	89-1	11640557	11584739	11401570	11542289	1.08	cps
Yttrium	89-2	2912336	2918465	2892725	2907842	0.46	cps
Zinc	66-2	221969	221524	226124	223206	1.14	cps
Zirconium	90-1	2734	2537	2570	2614	4.03	cps
Zirconium	91-1	640	563	630	611	6.82	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:48:58	DataFile Name :	038CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8492770	8401652	8334842	8409755	0.94	cps
Antimony	121-1	3277345	3329120	3398323	3334930	1.82	cps
Arsenic	75-2	178397	178653	177314	178122	0.40	cps
Barium	135-1	3873451	3929518	4006774	3936581	1.70	cps
Barium	137-1	6665833	6778023	6777046	6740301	0.96	cps
Beryllium	9-1	347833	351025	353122	350660	0.76	cps
Bismuth	209-1	4441843	4464528	4461094	4455821	0.27	cps
Bismuth	209-2	4326398	4409397	4296887	4344227	1.34	cps
Bromine	81-1	11565	12365	12229	12053	3.55	cps
Bromine	81-2	497	463	493	484	3.79	cps
Cadmium	108-1	56486	57825	57694	57335	1.29	cps
Cadmium	106-1	81101	83793	83223	82706	1.72	cps
Cadmium	111-1	783645	789664	800579	791296	1.08	cps
Calcium	43-1	4984641	5223435	5123044	5110373	2.35	cps
Calcium	44-1	79870665	81792857	82044997	81236173	1.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1646970	1613057	1641378	1633802	1.11	cps
Cobalt	59-2	2492245	2555666	2532562	2526824	1.27	cps
Copper	63-2	19357088	19070951	18848778	19092272	1.33	cps
Dysprosium	156-1	177	177	223	192	14.02	cps
Dysprosium	156-2	367	323	317	336	8.09	cps
Erbium	164-1	363	357	347	356	2.36	cps
Erbium	164-2	290	320	223	278	17.81	cps
Gadolinium	160-1	197	237	230	221	9.69	cps
Gadolinium	160-2	427	440	427	431	1.79	cps
Holmium	165-1	7282562	7269503	7187418	7246494	0.71	cps
Holmium	165-2	5928097	5912885	5808916	5883299	1.10	cps
Indium	115-1	6178479	6369547	6347478	6298501	1.66	cps
Indium	115-2	2493128	2401981	2404202	2433104	2.14	cps
Iron	56-2	397452101	399552461	395563861	397522807	0.50	cps
Iron	57-2	9867368	9912143	9874835	9884782	0.24	cps
Iron	54-2	21589711	21157586	21191936	21313078	1.13	cps
Krypton	83-1	647	617	580	614	5.43	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:48:58	DataFile Name :	038CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11672710	11588298	11753467	11671492	0.71	cps
Lead	207-1	10259018	10272345	10363035	10298133	0.55	cps
Lead	208-1	47502804	47451736	47550566	47501702	0.10	cps
Lithium	6-1	418775	416976	424368	420040	0.92	cps
Magnesium	24-2	75864669	75954656	75771924	75863749	0.12	cps
Manganese	55-2	12430677	12436744	12122484	12329969	1.46	cps
Molybdenum	94-1	11983008	12302713	12278309	12188010	1.46	cps
Molybdenum	95-1	17284353	17732652	18043881	17686962	2.16	cps
Molybdenum	96-1	19003701	19434762	19633840	19357434	1.66	cps
Molybdenum	97-1	10872064	10838058	10981696	10897272	0.69	cps
Molybdenum	98-1	27658177	28524361	28340250	28174263	1.62	cps
Neodymium	150-1	167	200	247	204	19.66	cps
Neodymium	150-2	123	113	107	114	7.33	cps
Nickel	60-2	874076	881607	882595	879426	0.53	cps
Phosphorus	31-2	79904	79349	78909	79387	0.63	cps
Potassium	39-2	43407228	43714646	43145146	43422340	0.66	cps
Rhodium	103-1	6206614	6122994	6256477	6195362	1.09	cps
Rhodium	103-2	3997312	3942905	3975030	3971749	0.69	cps
Scandium	45-1	4184454	4116276	4134817	4145182	0.85	cps
Scandium	45-2	323513	319756	320415	321228	0.62	cps
Selenium	82-1	62057	63863	63583	63167	1.54	cps
Selenium	77-2	6328	6735	6485	6516	3.15	cps
Selenium	78-2	21576	21609	21149	21445	1.20	cps
Silicon	28-1	27430620	28094949	27914436	27813335	1.24	cps
Silver	107-1	4470299	4583617	4596139	4550018	1.52	cps
Silver	109-1	4122370	4269065	4352835	4248090	2.75	cps
Sodium	23-2	116166572	115873552	116479925	116173349	0.26	cps
Strontium	86-1	965036	983646	999033	982572	1.73	cps
Strontium	88-1	9615010	9953765	9839041	9802605	1.76	cps
Sulfur	34-1	436456	437871	440043	438123	0.41	cps
Terbium	159-1	7555076	7593137	7399509	7515907	1.36	cps
Terbium	159-2	5974241	5820551	5757103	5850632	1.91	cps
Thallium	203-1	2880800	2884839	2905350	2890330	0.46	cps
Thallium	205-1	6959365	7084508	7033001	7025625	0.90	cps
Tin	118-1	2702389	2764454	2782678	2749840	1.53	cps
Titanium	47-1	4855090	5048668	5001049	4968269	2.03	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 17:48:58	DataFile Name :	038CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8912861	8898552	8958687	8923367	0.35	cps
Vanadium	51-2	1372064	1403963	1394411	1390146	1.18	cps
Yttrium	89-1	10002532	10169774	10239775	10137360	1.20	cps
Yttrium	89-2	2766808	2739241	2782735	2762928	0.80	cps
Zinc	66-2	3382685	3338746	3394607	3372013	0.87	cps
Zirconium	90-1	6103975	6294319	6329933	6242742	1.95	cps
Zirconium	91-1	1160785	1190222	1192834	1181280	1.51	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 18:04:37	DataFile Name :	041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	210	253	223	229	9.70	cps
Antimony	121-1	224	217	174	205	13.26	cps
Arsenic	75-2	3	7	7	6	34.70	cps
Barium	135-1	27	20	13	20	33.35	cps
Barium	137-1	20	37	23	27	33.08	cps
Beryllium	9-1	4	11	10	8	47.04	cps
Bismuth	209-1	4308625	4213077	4324713	4282138	1.41	cps
Bismuth	209-2	4408523	4390083	4282652	4360419	1.56	cps
Bromine	81-1	11231	11438	11408	11359	0.98	cps
Bromine	81-2	353	327	343	341	3.95	cps
Cadmium	108-1	13	10	10	11	17.30	cps
Cadmium	106-1	2014	2010	2230	2085	6.05	cps
Cadmium	111-1	1450	1410	1591	1484	6.40	cps
Calcium	43-1	220	280	250	250	12.00	cps
Calcium	44-1	29509	28951	29522	29327	1.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2120	2160	1973	2085	4.72	cps
Cobalt	59-2	57	63	77	66	15.54	cps
Copper	63-2	5151	5464	5238	5284	3.06	cps
Dysprosium	156-1	3	7	3	4	43.40	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	57	30	33	40	36.33	cps
Erbium	164-2	73	43	47	54	30.20	cps
Gadolinium	160-1	60	43	43	49	19.69	cps
Gadolinium	160-2	257	310	313	293	10.84	cps
Holmium	165-1	6740658	6588687	6655656	6661667	1.14	cps
Holmium	165-2	5791949	5623318	5568798	5661355	2.05	cps
Indium	115-1	6135879	6187092	6091353	6138108	0.78	cps
Indium	115-2	2444345	2491095	2427183	2454208	1.35	cps
Iron	56-2	20187	19262	19573	19674	2.39	cps
Iron	57-2	1183	1220	1133	1179	3.69	cps
Iron	54-2	2254	2504	2370	2376	5.27	cps
Krypton	83-1	573	507	500	527	7.70	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 18:04:37	DataFile Name :	041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	800	623	670	698	13.12	cps
Lead	207-1	573	570	607	583	3.48	cps
Lead	208-1	2810	2761	2814	2795	1.05	cps
Lithium	6-1	419021	417702	418805	418510	0.17	cps
Magnesium	24-2	180	190	227	199	12.35	cps
Manganese	55-2	667	567	627	620	8.12	cps
Molybdenum	94-1	317	253	300	290	11.32	cps
Molybdenum	95-1	230	257	190	226	14.88	cps
Molybdenum	96-1	327	317	293	312	5.48	cps
Molybdenum	97-1	210	287	190	229	22.29	cps
Molybdenum	98-1	430	463	420	438	5.18	cps
Neodymium	150-1	7	10	3	7	50.03	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	563	421	479	488	14.69	cps
Phosphorus	31-2	387	487	457	443	11.57	cps
Potassium	39-2	60710	60101	59753	60188	0.80	cps
Rhodium	103-1	6361606	6146469	6291321	6266466	1.75	cps
Rhodium	103-2	4137479	4069475	3994400	4067118	1.76	cps
Scandium	45-1	4037209	4035541	4117411	4063387	1.15	cps
Scandium	45-2	314066	314656	310442	313055	0.73	cps
Selenium	82-1	91	185	211	162	38.95	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	487	500	483	490	1.80	cps
Silicon	28-1	652461	650720	652455	651879	0.15	cps
Silver	107-1	240	293	267	267	9.97	cps
Silver	109-1	200	227	233	220	8.02	cps
Sodium	23-2	28964	28353	28911	28743	1.18	cps
Strontium	86-1	790	847	803	813	3.64	cps
Strontium	88-1	117	103	93	104	11.21	cps
Sulfur	34-1	186415	185674	185505	185864	0.26	cps
Terbium	159-1	7000272	7104334	6963619	7022742	1.04	cps
Terbium	159-2	5663425	5712170	5612107	5662567	0.88	cps
Thallium	203-1	227	260	223	237	8.57	cps
Thallium	205-1	623	680	630	644	4.81	cps
Tin	118-1	1020	1183	1117	1107	7.42	cps
Titanium	47-1	77	127	83	96	28.41	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 18:04:37	DataFile Name :	041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	7	17	16	53.90	cps
Vanadium	51-2	20	40	20	27	43.30	cps
Yttrium	89-1	9598210	9600688	9813576	9670825	1.28	cps
Yttrium	89-2	2722238	2680228	2713892	2705453	0.82	cps
Zinc	66-2	640	730	670	680	6.74	cps
Zirconium	90-1	337	467	310	371	22.59	cps
Zirconium	91-1	80	87	73	80	8.34	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:07:56	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3018593	3099361	3046306	3054753	1.34	cps
Antimony	121-1	18696	16378	15252	16775	10.47	cps
Arsenic	75-2	3891	3821	3814	3842	1.11	cps
Barium	135-1	27220	28408	28101	27910	2.21	cps
Barium	137-1	48767	49315	49964	49349	1.21	cps
Beryllium	9-1	570	611	377	519	24.04	cps
Bismuth	209-1	5218442	5034381	5035255	5096026	2.08	cps
Bismuth	209-2	4832213	4748570	4758351	4779712	0.96	cps
Bromine	81-1	90548	107629	114943	104373	11.99	cps
Bromine	81-2	19483	18438	19573	19165	3.29	cps
Cadmium	108-1	437	457	480	458	4.74	cps
Cadmium	106-1	3137	3334	3227	3233	3.05	cps
Cadmium	111-1	7712	8122	7944	7926	2.60	cps
Calcium	43-1	821625	815071	821656	819450	0.46	cps
Calcium	44-1	14360463	14573930	14656598	14530330	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	118660	118347	115711	117573	1.38	cps
Cobalt	59-2	247586	246861	243208	245885	0.95	cps
Copper	63-2	1195636	1203661	1199823	1199706	0.33	cps
Dysprosium	156-1	113858	116961	119077	116632	2.25	cps
Dysprosium	156-2	115420	113767	113279	114155	0.98	cps
Erbium	164-1	112586	117420	120310	116772	3.34	cps
Erbium	164-2	92377	93102	93602	93027	0.66	cps
Gadolinium	160-1	112851	117210	118221	116094	2.46	cps
Gadolinium	160-2	96393	95936	96842	96390	0.47	cps
Holmium	165-1	7089358	7500699	7487527	7359195	3.18	cps
Holmium	165-2	5880040	5979796	5858022	5905952	1.10	cps
Indium	115-1	7075286	7251627	7267568	7198161	1.48	cps
Indium	115-2	2645465	2605543	2596678	2615895	0.99	cps
Iron	56-2	25008022	24727946	24891052	24875674	0.57	cps
Iron	57-2	553689	552202	557353	554415	0.48	cps
Iron	54-2	1365557	1321103	1329691	1338784	1.76	cps
Krypton	83-1	783	797	753	778	2.85	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:07:56	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	260943	268424	271412	266926	2.02	cps
Lead	207-1	211375	219922	220880	217392	2.41	cps
Lead	208-1	997704	1029073	1039101	1021959	2.11	cps
Lithium	6-1	402023	389675	382374	391357	2.54	cps
Magnesium	24-2	1937649	2023222	1958495	1973122	2.26	cps
Manganese	55-2	7817742	7740280	7791276	7783099	0.51	cps
Molybdenum	94-1	1670	1573	1807	1683	6.97	cps
Molybdenum	95-1	1027	1127	1267	1140	10.58	cps
Molybdenum	96-1	1430	1453	1473	1452	1.49	cps
Molybdenum	97-1	703	773	757	744	4.91	cps
Molybdenum	98-1	1420	1763	1773	1652	12.18	cps
Neodymium	150-1	172586	177776	180330	176897	2.23	cps
Neodymium	150-2	116138	116381	116407	116308	0.13	cps
Nickel	60-2	90607	87421	87900	88643	1.94	cps
Phosphorus	31-2	24760	24884	24450	24698	0.91	cps
Potassium	39-2	2554375	2470207	2393383	2472655	3.26	cps
Rhodium	103-1	6392310	6426523	6427874	6415569	0.31	cps
Rhodium	103-2	4079598	4040561	4001313	4040491	0.97	cps
Scandium	45-1	4096194	4068951	3986675	4050607	1.41	cps
Scandium	45-2	296367	285584	289928	290626	1.87	cps
Selenium	82-1	451	422	421	431	3.92	cps
Selenium	77-2	477	437	437	450	5.13	cps
Selenium	78-2	780	767	767	771	1.00	cps
Silicon	28-1	41285685	41246234	39157884	40563268	3.00	cps
Silver	107-1	4157	3836	4075	4023	4.14	cps
Silver	109-1	2334	2170	2407	2304	5.26	cps
Sodium	23-2	745426	735613	747744	742927	0.87	cps
Strontium	86-1	255883	262095	263703	260560	1.58	cps
Strontium	88-1	2606466	2631394	2644629	2627496	0.74	cps
Sulfur	34-1	3108027	3048931	2916287	3024415	3.25	cps
Terbium	159-1	7554982	7545462	7761360	7620602	1.60	cps
Terbium	159-2	5902569	5833826	5802769	5846388	0.87	cps
Thallium	203-1	1377	1383	1403	1388	1.00	cps
Thallium	205-1	3407	3377	3594	3459	3.39	cps
Tin	118-1	28432	34934	33342	32236	10.51	cps
Titanium	47-1	8386	8026	8506	8306	3.01	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:07:56	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	155010	158265	160510	157929	1.75	cps
Vanadium	51-2	116688	118441	118610	117913	0.90	cps
Yttrium	89-1	12076570	12170046	12412734	12219783	1.42	cps
Yttrium	89-2	3185476	3200490	3139733	3175233	1.00	cps
Zinc	66-2	273739	272840	268866	271815	0.95	cps
Zirconium	90-1	2940	3124	2940	3001	3.53	cps
Zirconium	91-1	667	660	687	671	2.07	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:11:02	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2517205	2523415	2467568	2502730	1.22	cps
Antimony	121-1	10290	11211	12093	11198	8.05	cps
Arsenic	75-2	3734	3901	3754	3796	2.40	cps
Barium	135-1	26288	27136	27360	26928	2.10	cps
Barium	137-1	46365	47406	48038	47270	1.79	cps
Beryllium	9-1	196	288	85	190	53.52	cps
Bismuth	209-1	4887532	4845804	4640805	4791380	2.76	cps
Bismuth	209-2	4552250	4566923	4629005	4582726	0.89	cps
Bromine	81-1	97448	111971	116045	108488	9.01	cps
Bromine	81-2	19253	19072	19900	19408	2.24	cps
Cadmium	108-1	310	290	313	304	4.14	cps
Cadmium	106-1	3107	2994	2884	2995	3.73	cps
Cadmium	111-1	6442	6477	6447	6455	0.29	cps
Calcium	43-1	628054	633459	621051	627521	0.99	cps
Calcium	44-1	11251651	11088784	11157513	11165983	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	105426	107729	106708	106621	1.08	cps
Cobalt	59-2	181280	186982	181791	183351	1.72	cps
Copper	63-2	947645	943788	936581	942671	0.60	cps
Dysprosium	156-1	93650	93386	94728	93921	0.76	cps
Dysprosium	156-2	89540	91415	90010	90322	1.08	cps
Erbium	164-1	93557	97005	95054	95205	1.82	cps
Erbium	164-2	75751	75376	73814	74980	1.37	cps
Gadolinium	160-1	91624	93722	94752	93366	1.71	cps
Gadolinium	160-2	78944	76665	77476	77695	1.49	cps
Holmium	165-1	7204060	7409883	7297107	7303683	1.41	cps
Holmium	165-2	5782780	5808801	5802510	5798030	0.23	cps
Indium	115-1	6830393	6858606	6935355	6874785	0.79	cps
Indium	115-2	2445278	2564828	2511591	2507232	2.39	cps
Iron	56-2	28443574	28633129	29598805	28891836	2.14	cps
Iron	57-2	656105	638480	646501	647029	1.36	cps
Iron	54-2	1548439	1552867	1575225	1558843	0.92	cps
Krypton	83-1	670	667	667	668	0.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:11:02	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	252762	256711	257896	255790	1.05	cps
Lead	207-1	207845	210776	211544	210055	0.93	cps
Lead	208-1	971016	989066	989982	983355	1.09	cps
Lithium	6-1	361654	363783	353947	359795	1.44	cps
Magnesium	24-2	1782885	1662776	1657153	1700938	4.18	cps
Manganese	55-2	5812527	5748405	5943601	5834844	1.71	cps
Molybdenum	94-1	1667	1754	1657	1692	3.14	cps
Molybdenum	95-1	1113	1173	1217	1168	4.44	cps
Molybdenum	96-1	1560	1600	1473	1545	4.19	cps
Molybdenum	97-1	660	717	750	709	6.42	cps
Molybdenum	98-1	1673	1527	1733	1645	6.47	cps
Neodymium	150-1	142191	143845	145849	143961	1.27	cps
Neodymium	150-2	94787	92706	92589	93360	1.32	cps
Nickel	60-2	68804	68512	69581	68965	0.80	cps
Phosphorus	31-2	24363	25545	24179	24696	3.00	cps
Potassium	39-2	1905992	1991860	1951666	1949840	2.20	cps
Rhodium	103-1	6463683	6317393	6318270	6366449	1.32	cps
Rhodium	103-2	4037929	4012050	4000172	4016717	0.48	cps
Scandium	45-1	3968232	3972352	3824463	3921682	2.15	cps
Scandium	45-2	283659	277569	284520	281916	1.34	cps
Selenium	82-1	487	413	462	454	8.29	cps
Selenium	77-2	383	493	433	437	12.61	cps
Selenium	78-2	720	677	683	693	3.36	cps
Silicon	28-1	33952538	33252791	33663819	33623049	1.05	cps
Silver	107-1	2974	3391	3782	3382	11.95	cps
Silver	109-1	1557	1903	2257	1906	18.37	cps
Sodium	23-2	590757	589639	609903	596766	1.91	cps
Strontium	86-1	196725	198640	196964	197443	0.53	cps
Strontium	88-1	1956850	1992300	1995873	1981674	1.09	cps
Sulfur	34-1	2744961	2788222	2688510	2740564	1.82	cps
Terbium	159-1	7540054	7472420	7635273	7549249	1.08	cps
Terbium	159-2	5863531	5789606	5736448	5796529	1.10	cps
Thallium	203-1	763	883	823	823	7.29	cps
Thallium	205-1	1970	1880	2037	1962	4.01	cps
Tin	118-1	24798	27627	29367	27264	8.46	cps
Titanium	47-1	12902	12956	13509	13123	2.56	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:11:02	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	144386	150115	149190	147897	2.08	cps
Vanadium	51-2	102761	103452	104422	103545	0.81	cps
Yttrium	89-1	11908578	11800268	11622478	11777108	1.23	cps
Yttrium	89-2	3023630	3013734	2916004	2984456	1.99	cps
Zinc	66-2	217895	222001	219723	219873	0.94	cps
Zirconium	90-1	2877	2877	2657	2804	4.53	cps
Zirconium	91-1	630	593	570	598	5.06	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:14:12	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2869149	2864029	2823665	2852281	0.87	cps
Antimony	121-1	11159	12078	13138	12125	8.17	cps
Arsenic	75-2	3961	3757	3937	3885	2.86	cps
Barium	135-1	28889	29591	29026	29169	1.27	cps
Barium	137-1	51861	51707	51637	51735	0.22	cps
Beryllium	9-1	507	497	431	478	8.65	cps
Bismuth	209-1	4775438	4878791	4766094	4806774	1.30	cps
Bismuth	209-2	4498306	4496537	4615352	4536731	1.50	cps
Bromine	81-1	95766	111276	116301	107781	9.93	cps
Bromine	81-2	19884	20027	19383	19764	1.71	cps
Cadmium	108-1	367	333	377	359	6.32	cps
Cadmium	106-1	3010	3227	3070	3103	3.61	cps
Cadmium	111-1	6978	7383	7247	7203	2.86	cps
Calcium	43-1	685884	686161	688217	686754	0.19	cps
Calcium	44-1	12276111	12193861	12349256	12273076	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	106419	105869	108001	106763	1.04	cps
Cobalt	59-2	214973	216531	217751	216418	0.64	cps
Copper	63-2	1095075	1091671	1066961	1084569	1.41	cps
Dysprosium	156-1	110344	111523	111639	111169	0.64	cps
Dysprosium	156-2	107639	105980	108170	107263	1.06	cps
Erbium	164-1	109586	113985	115040	112870	2.56	cps
Erbium	164-2	88552	88606	88154	88437	0.28	cps
Gadolinium	160-1	108998	111282	111737	110672	1.33	cps
Gadolinium	160-2	92339	90718	90175	91077	1.24	cps
Holmium	165-1	7124453	7459047	7419472	7334324	2.49	cps
Holmium	165-2	5747247	5707215	5774411	5742957	0.59	cps
Indium	115-1	6849063	6725322	6713674	6762686	1.11	cps
Indium	115-2	2488138	2415338	2465551	2456343	1.52	cps
Iron	56-2	26604275	25890278	26054243	26182932	1.43	cps
Iron	57-2	590581	584707	568726	581338	1.95	cps
Iron	54-2	1418577	1353829	1418226	1396877	2.67	cps
Krypton	83-1	737	747	747	743	0.78	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:14:12	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	258614	269256	265548	264473	2.04	cps
Lead	207-1	210467	215866	220693	215676	2.37	cps
Lead	208-1	983250	1022550	1021118	1008973	2.21	cps
Lithium	6-1	346040	347459	345591	346363	0.28	cps
Magnesium	24-2	1762624	1777394	1695555	1745191	2.50	cps
Manganese	55-2	6555964	6528137	6408283	6497461	1.21	cps
Molybdenum	94-1	1560	1607	1637	1601	2.41	cps
Molybdenum	95-1	1250	1257	1287	1265	1.54	cps
Molybdenum	96-1	1580	1653	1453	1562	6.48	cps
Molybdenum	97-1	783	773	837	798	4.27	cps
Molybdenum	98-1	1710	1817	1817	1781	3.46	cps
Neodymium	150-1	166582	170609	174354	170515	2.28	cps
Neodymium	150-2	109257	110729	109936	109974	0.67	cps
Nickel	60-2	78613	77615	78123	78117	0.64	cps
Phosphorus	31-2	23789	24199	23779	23922	1.00	cps
Potassium	39-2	2142149	2094195	2208878	2148407	2.68	cps
Rhodium	103-1	6377414	6311217	6367343	6351992	0.56	cps
Rhodium	103-2	3975662	3965872	3965135	3968889	0.15	cps
Scandium	45-1	3881542	3930857	3900278	3904226	0.64	cps
Scandium	45-2	281218	275832	275146	277399	1.20	cps
Selenium	82-1	423	486	396	435	10.62	cps
Selenium	77-2	500	513	430	481	9.30	cps
Selenium	78-2	747	690	750	729	4.63	cps
Silicon	28-1	36650894	36173009	35302389	36042098	1.90	cps
Silver	107-1	3337	3696	3863	3632	7.40	cps
Silver	109-1	1617	1840	2020	1826	11.07	cps
Sodium	23-2	661645	651198	641299	651381	1.56	cps
Strontium	86-1	222208	222550	223880	222879	0.40	cps
Strontium	88-1	2228430	2206421	2209385	2214745	0.54	cps
Sulfur	34-1	2728669	2779720	2609898	2706096	3.22	cps
Terbium	159-1	7487366	7589438	7714343	7597049	1.50	cps
Terbium	159-2	5825020	5652816	5701974	5726603	1.55	cps
Thallium	203-1	790	763	723	759	4.42	cps
Thallium	205-1	1877	1923	1890	1897	1.27	cps
Tin	118-1	25586	30466	29153	28402	8.89	cps
Titanium	47-1	9857	9980	9940	9926	0.63	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:14:12	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	169324	177937	178576	175279	2.95	cps
Vanadium	51-2	107748	107970	104921	106880	1.59	cps
Yttrium	89-1	11892847	11936373	12032082	11953767	0.60	cps
Yttrium	89-2	3077329	3040845	3103314	3073829	1.02	cps
Zinc	66-2	243809	243393	249816	245672	1.46	cps
Zirconium	90-1	2787	2487	2734	2669	6.00	cps
Zirconium	91-1	560	523	550	544	3.48	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:17:19	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2780973	2834995	2773060	2796343	1.21	cps
Antimony	121-1	11093	11937	12544	11858	6.14	cps
Arsenic	75-2	4181	4031	3931	4047	3.11	cps
Barium	135-1	29908	30439	29798	30048	1.14	cps
Barium	137-1	52319	52426	53122	52623	0.83	cps
Beryllium	9-1	297	356	181	278	31.95	cps
Bismuth	209-1	4795397	4811568	4829945	4812303	0.36	cps
Bismuth	209-2	4539638	4574623	4479949	4531404	1.06	cps
Bromine	81-1	96864	111783	119711	109453	10.60	cps
Bromine	81-2	19710	19229	20134	19691	2.30	cps
Cadmium	108-1	453	403	317	391	17.68	cps
Cadmium	106-1	2840	2894	3120	2951	5.04	cps
Cadmium	111-1	6715	6587	6964	6755	2.83	cps
Calcium	43-1	630144	632150	633687	631994	0.28	cps
Calcium	44-1	11183408	11269332	11182219	11211653	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	116247	116557	115287	116030	0.57	cps
Cobalt	59-2	202891	202016	199082	201330	0.99	cps
Copper	63-2	1049867	1044594	1037282	1043914	0.61	cps
Dysprosium	156-1	103858	106837	105628	105441	1.42	cps
Dysprosium	156-2	99812	100536	99429	99926	0.56	cps
Erbium	164-1	105623	106212	107473	106436	0.89	cps
Erbium	164-2	84400	85050	82864	84105	1.33	cps
Gadolinium	160-1	103533	104550	105794	104626	1.08	cps
Gadolinium	160-2	86901	85472	85751	86041	0.88	cps
Holmium	165-1	7333612	7321774	7330524	7328637	0.08	cps
Holmium	165-2	5724828	5779863	5793093	5765928	0.63	cps
Indium	115-1	6858453	6889776	6702562	6816930	1.47	cps
Indium	115-2	2517175	2483764	2465453	2488797	1.05	cps
Iron	56-2	32088959	31214411	31426754	31576708	1.44	cps
Iron	57-2	719982	711026	715403	715471	0.63	cps
Iron	54-2	1710941	1670247	1681736	1687641	1.24	cps
Krypton	83-1	837	627	753	739	14.31	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:17:19	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	275951	278505	280530	278329	0.82	cps
Lead	207-1	227310	233122	232095	230842	1.34	cps
Lead	208-1	1063738	1076586	1086659	1075661	1.07	cps
Lithium	6-1	350034	346683	343762	346826	0.90	cps
Magnesium	24-2	1737548	1757028	1745421	1746666	0.56	cps
Manganese	55-2	6512025	6345137	6415836	6424332	1.30	cps
Molybdenum	94-1	1563	1763	1537	1621	7.64	cps
Molybdenum	95-1	1153	1203	1130	1162	3.22	cps
Molybdenum	96-1	1680	1630	1613	1641	2.11	cps
Molybdenum	97-1	810	747	783	780	4.08	cps
Molybdenum	98-1	1573	1753	1557	1628	6.70	cps
Neodymium	150-1	159508	162076	163653	161746	1.29	cps
Neodymium	150-2	105616	105694	104642	105317	0.56	cps
Nickel	60-2	75394	76252	74412	75352	1.22	cps
Phosphorus	31-2	24246	24386	24703	24445	0.96	cps
Potassium	39-2	2034794	2052057	1997124	2027992	1.39	cps
Rhodium	103-1	6399223	6338780	6358922	6365642	0.48	cps
Rhodium	103-2	3948590	3934677	3989172	3957479	0.72	cps
Scandium	45-1	3923766	3869069	3818549	3870461	1.36	cps
Scandium	45-2	279933	275195	277678	277602	0.85	cps
Selenium	82-1	308	501	368	392	25.18	cps
Selenium	77-2	553	347	380	427	26.00	cps
Selenium	78-2	777	760	733	757	2.89	cps
Silicon	28-1	36648748	36567475	36449057	36555093	0.27	cps
Silver	107-1	3126	3606	3961	3564	11.76	cps
Silver	109-1	1537	1680	1937	1718	11.80	cps
Sodium	23-2	574109	559996	577469	570525	1.63	cps
Strontium	86-1	203023	205762	205086	204624	0.70	cps
Strontium	88-1	2051180	2055994	2085871	2064348	0.91	cps
Sulfur	34-1	2848124	2847197	2839246	2844856	0.17	cps
Terbium	159-1	7631161	7556729	7539735	7575875	0.64	cps
Terbium	159-2	5819424	5716507	5593556	5709829	1.98	cps
Thallium	203-1	827	703	797	776	8.29	cps
Thallium	205-1	1847	1943	1867	1886	2.71	cps
Tin	118-1	24605	26595	27673	26291	5.92	cps
Titanium	47-1	13743	12942	13419	13368	3.01	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:17:19	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	169219	170205	174037	171154	1.49	cps
Vanadium	51-2	114474	116037	114951	115154	0.70	cps
Yttrium	89-1	11764974	11779206	11679095	11741091	0.46	cps
Yttrium	89-2	3072047	3021021	2973045	3022038	1.64	cps
Zinc	66-2	219696	220641	216450	218929	1.00	cps
Zirconium	90-1	2840	2767	2730	2779	2.02	cps
Zirconium	91-1	627	623	543	598	7.89	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:20:29	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1989168	1973493	1842039	1934900	4.18	cps
Antimony	121-1	7449	8259	8850	8186	8.59	cps
Arsenic	75-2	3470	3544	3524	3513	1.08	cps
Barium	135-1	38943	39786	40264	39664	1.69	cps
Barium	137-1	68910	68682	69023	68872	0.25	cps
Beryllium	9-1	-1915	-2032	-2013	-1987	-3.17	cps
Bismuth	209-1	4812775	4740412	4716499	4756562	1.05	cps
Bismuth	209-2	4611668	4505548	4445214	4520810	1.86	cps
Bromine	81-1	97566	114409	118968	110315	10.22	cps
Bromine	81-2	19660	19897	19783	19780	0.60	cps
Cadmium	108-1	367	323	330	340	6.86	cps
Cadmium	106-1	2780	2767	2774	2774	0.24	cps
Cadmium	111-1	6317	6381	6325	6341	0.55	cps
Calcium	43-1	1408157	1424839	1432767	1421921	0.88	cps
Calcium	44-1	22833505	23083335	22864438	22927093	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28196	28216	28547	28320	0.70	cps
Cobalt	59-2	220460	217491	218354	218768	0.70	cps
Copper	63-2	180888	184112	181218	182073	0.97	cps
Dysprosium	156-1	37764	38055	39121	38313	1.86	cps
Dysprosium	156-2	38750	38292	38319	38454	0.67	cps
Erbium	164-1	39406	40408	40572	40129	1.57	cps
Erbium	164-2	31305	30928	30701	30978	0.99	cps
Gadolinium	160-1	36915	37781	37530	37409	1.19	cps
Gadolinium	160-2	30089	30907	30236	30411	1.43	cps
Holmium	165-1	7374445	7537167	7630595	7514069	1.73	cps
Holmium	165-2	5832230	5609231	5738211	5726557	1.96	cps
Indium	115-1	6787834	6874462	6749411	6803902	0.94	cps
Indium	115-2	2483177	2384812	2422546	2430178	2.04	cps
Iron	56-2	5317663	5170855	5095902	5194806	2.17	cps
Iron	57-2	134733	135491	134116	134780	0.51	cps
Iron	54-2	260515	252740	252649	255301	1.77	cps
Krypton	83-1	653	557	670	627	9.77	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:20:29	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	67021	68870	68907	68266	1.58	cps
Lead	207-1	55500	57404	57431	56778	1.95	cps
Lead	208-1	258398	266617	268793	264602	2.07	cps
Lithium	6-1	341616	342788	336727	340377	0.94	cps
Magnesium	24-2	3164970	3163786	3049831	3126195	2.12	cps
Manganese	55-2	10161796	9795734	9835417	9930982	2.02	cps
Molybdenum	94-1	1720	1863	1890	1825	5.01	cps
Molybdenum	95-1	1080	1053	1013	1049	3.20	cps
Molybdenum	96-1	1167	1107	1173	1149	3.20	cps
Molybdenum	97-1	613	617	737	656	10.72	cps
Molybdenum	98-1	1260	1243	1383	1296	5.90	cps
Neodymium	150-1	54499	55850	55395	55248	1.24	cps
Neodymium	150-2	36170	35873	35842	35962	0.50	cps
Nickel	60-2	71175	68897	69254	69775	1.76	cps
Phosphorus	31-2	10767	10657	10824	10749	0.79	cps
Potassium	39-2	4529769	4614516	4628175	4590820	1.16	cps
Rhodium	103-1	6342342	6306831	6275127	6308100	0.53	cps
Rhodium	103-2	4034543	3941625	3911833	3962667	1.62	cps
Scandium	45-1	3873470	3823916	3798677	3832021	0.99	cps
Scandium	45-2	279503	269846	273181	274177	1.79	cps
Selenium	82-1	141	347	206	231	45.68	cps
Selenium	77-2	117	193	193	168	26.38	cps
Selenium	78-2	587	497	487	523	10.52	cps
Silicon	28-1	27287325	27379356	26830852	27165844	1.08	cps
Silver	107-1	1622	2005	2064	1897	12.65	cps
Silver	109-1	1427	1600	1747	1591	10.07	cps
Sodium	23-2	1629424	1626201	1543979	1599868	3.03	cps
Strontium	86-1	517743	527050	522410	522401	0.89	cps
Strontium	88-1	5161114	5207396	5224121	5197544	0.63	cps
Sulfur	34-1	2682412	2661662	2611027	2651700	1.38	cps
Terbium	159-1	7644943	7721215	7646332	7670830	0.57	cps
Terbium	159-2	5884843	5654280	5665828	5734984	2.27	cps
Thallium	203-1	653	713	747	704	6.71	cps
Thallium	205-1	1793	1817	1723	1778	2.73	cps
Tin	118-1	24448	26909	28472	26609	7.62	cps
Titanium	47-1	1697	1710	1750	1719	1.61	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-10DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:20:29	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13173	13170	13350	13231	0.78	cps
Vanadium	51-2	33988	32585	33928	33501	2.37	cps
Yttrium	89-1	10891708	10816882	10767079	10825223	0.58	cps
Yttrium	89-2	2810204	2802395	2803928	2805509	0.15	cps
Zinc	66-2	261062	258921	262940	260975	0.77	cps
Zirconium	90-1	3220	3610	3530	3454	5.97	cps
Zirconium	91-1	723	840	760	774	7.70	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:23:37	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2244914	2301183	2344134	2296744	2.17	cps
Antimony	121-1	7631	7852	8657	8047	6.71	cps
Arsenic	75-2	5108	5111	4904	5041	2.35	cps
Barium	135-1	39685	39461	40210	39786	0.97	cps
Barium	137-1	67985	70423	70323	69577	1.98	cps
Beryllium	9-1	-1636	-1669	-1817	-1707	-5.63	cps
Bismuth	209-1	4937938	4838145	4865242	4880442	1.06	cps
Bismuth	209-2	4651856	4425963	4538723	4538847	2.49	cps
Bromine	81-1	95278	112566	115612	107819	10.17	cps
Bromine	81-2	18408	19253	19500	19054	3.00	cps
Cadmium	108-1	337	267	287	297	12.15	cps
Cadmium	106-1	2717	2874	2777	2789	2.83	cps
Cadmium	111-1	5990	6176	5840	6002	2.80	cps
Calcium	43-1	1252205	1304988	1273569	1276921	2.08	cps
Calcium	44-1	20229311	20640250	20493176	20454246	1.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32796	33734	32702	33077	1.73	cps
Cobalt	59-2	208383	207219	202050	205884	1.64	cps
Copper	63-2	219444	215299	215915	216886	1.03	cps
Dysprosium	156-1	48637	49627	48386	48884	1.34	cps
Dysprosium	156-2	48467	48798	48085	48450	0.74	cps
Erbium	164-1	51174	51438	52120	51577	0.95	cps
Erbium	164-2	40820	41341	39626	40596	2.17	cps
Gadolinium	160-1	47664	48454	48473	48197	0.96	cps
Gadolinium	160-2	40218	38573	39111	39301	2.13	cps
Holmium	165-1	7406986	7427383	7442843	7425737	0.24	cps
Holmium	165-2	5805789	5730033	5628923	5721581	1.55	cps
Indium	115-1	6836589	6778100	6792012	6802234	0.45	cps
Indium	115-2	2451882	2486772	2428523	2455726	1.19	cps
Iron	56-2	8655383	8568102	8708178	8643888	0.82	cps
Iron	57-2	212065	209033	208107	209735	0.99	cps
Iron	54-2	417617	425183	429044	423948	1.37	cps
Krypton	83-1	657	553	673	628	10.36	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:23:37	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	72010	74329	74312	73550	1.81	cps
Lead	207-1	60106	61734	62025	61288	1.69	cps
Lead	208-1	281942	287125	289647	286238	1.37	cps
Lithium	6-1	346631	345797	344269	345566	0.35	cps
Magnesium	24-2	2767748	2752848	2723764	2748120	0.81	cps
Manganese	55-2	8754720	8813733	8903252	8823902	0.85	cps
Molybdenum	94-1	2110	2060	2057	2076	1.44	cps
Molybdenum	95-1	1033	1083	1107	1074	3.49	cps
Molybdenum	96-1	1147	1177	1253	1192	4.61	cps
Molybdenum	97-1	630	613	627	623	1.42	cps
Molybdenum	98-1	1230	1250	1353	1278	5.18	cps
Neodymium	150-1	70647	72154	71206	71335	1.07	cps
Neodymium	150-2	46410	45945	45142	45832	1.40	cps
Nickel	60-2	68339	68945	68311	68531	0.52	cps
Phosphorus	31-2	15992	16155	15888	16012	0.84	cps
Potassium	39-2	3932040	3961302	3766446	3886596	2.70	cps
Rhodium	103-1	6239844	6388591	6386275	6338236	1.34	cps
Rhodium	103-2	3968100	4032051	4013489	4004547	0.82	cps
Scandium	45-1	3849057	3797822	3895710	3847530	1.27	cps
Scandium	45-2	273803	275508	274296	274536	0.32	cps
Selenium	82-1	258	349	185	264	31.21	cps
Selenium	77-2	243	217	247	236	6.98	cps
Selenium	78-2	473	527	583	528	10.42	cps
Silicon	28-1	27454773	26824262	27153242	27144092	1.16	cps
Silver	107-1	1694	1899	2059	1884	9.70	cps
Silver	109-1	1363	1557	1753	1558	12.52	cps
Sodium	23-2	1382842	1431097	1406897	1406946	1.71	cps
Strontium	86-1	460944	469004	470273	466741	1.08	cps
Strontium	88-1	4637197	4669740	4758531	4688489	1.34	cps
Sulfur	34-1	2790733	2742650	2742959	2758781	1.00	cps
Terbium	159-1	7554869	7756797	7890659	7734108	2.19	cps
Terbium	159-2	5812908	5659313	5641474	5704565	1.65	cps
Thallium	203-1	753	757	787	766	2.40	cps
Thallium	205-1	1970	1927	1783	1893	5.16	cps
Tin	118-1	21760	24261	26020	24014	8.92	cps
Titanium	47-1	2737	2794	2807	2779	1.34	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-12DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:23:37	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23771	23845	24229	23948	1.03	cps
Vanadium	51-2	53130	52297	53060	52829	0.87	cps
Yttrium	89-1	11079002	11154008	11093609	11108873	0.36	cps
Yttrium	89-2	2850013	2821517	2828006	2833179	0.53	cps
Zinc	66-2	259520	263183	254616	259106	1.66	cps
Zirconium	90-1	4124	4421	4464	4336	4.27	cps
Zirconium	91-1	947	1000	1070	1006	6.15	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:26:47	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2182148	2270338	2212435	2221640	2.02	cps
Antimony	121-1	2059	2033	2124	2072	2.26	cps
Arsenic	75-2	4687	4524	4671	4627	1.94	cps
Barium	135-1	39023	38355	38873	38751	0.91	cps
Barium	137-1	67533	67727	66840	67367	0.69	cps
Beryllium	9-1	-1374	-1409	-1295	-1359	-4.31	cps
Bismuth	209-1	4737623	4850944	4683095	4757221	1.80	cps
Bismuth	209-2	4821100	4769694	4710650	4767148	1.16	cps
Bromine	81-1	19483	19323	18852	19219	1.71	cps
Bromine	81-2	1663	1563	1630	1619	3.15	cps
Cadmium	108-1	260	300	243	268	10.88	cps
Cadmium	106-1	2847	2870	2897	2871	0.87	cps
Cadmium	111-1	5141	5180	5248	5190	1.04	cps
Calcium	43-1	1339316	1366010	1353371	1352899	0.99	cps
Calcium	44-1	21619014	21525863	22003463	21716113	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	25836	25939	25745	25840	0.38	cps
Cobalt	59-2	167536	168774	164785	167032	1.22	cps
Copper	63-2	184031	182252	182922	183068	0.49	cps
Dysprosium	156-1	41541	42090	41532	41721	0.77	cps
Dysprosium	156-2	42511	43695	43149	43118	1.37	cps
Erbium	164-1	43962	44330	44170	44154	0.42	cps
Erbium	164-2	35983	35733	35636	35784	0.50	cps
Gadolinium	160-1	40890	40432	40890	40737	0.65	cps
Gadolinium	160-2	34275	34937	34218	34477	1.16	cps
Holmium	165-1	7500147	7450754	7320135	7423679	1.25	cps
Holmium	165-2	6145206	5866009	6056563	6022593	2.37	cps
Indium	115-1	6803807	6753897	6726830	6761511	0.58	cps
Indium	115-2	2537939	2495406	2513042	2515462	0.85	cps
Iron	56-2	10913054	11028535	10731837	10891142	1.37	cps
Iron	57-2	259908	259094	257072	258691	0.56	cps
Iron	54-2	542260	543398	536602	540753	0.67	cps
Krypton	83-1	537	667	643	616	11.26	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:26:47	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	60833	60193	60471	60499	0.53	cps
Lead	207-1	49842	50139	50270	50083	0.44	cps
Lead	208-1	235125	234155	234947	234742	0.22	cps
Lithium	6-1	376881	374311	376150	375781	0.35	cps
Magnesium	24-2	4526897	4690275	4600538	4605904	1.78	cps
Manganese	55-2	7240760	7278802	7114266	7211276	1.19	cps
Molybdenum	94-1	1897	1840	1647	1795	7.31	cps
Molybdenum	95-1	573	470	503	516	10.23	cps
Molybdenum	96-1	680	753	753	729	5.81	cps
Molybdenum	97-1	330	383	390	368	8.94	cps
Molybdenum	98-1	640	567	583	597	6.44	cps
Neodymium	150-1	61514	61175	61106	61265	0.36	cps
Neodymium	150-2	39773	40455	40090	40106	0.85	cps
Nickel	60-2	57027	57609	57318	57318	0.51	cps
Phosphorus	31-2	15521	15872	15802	15732	1.18	cps
Potassium	39-2	3455340	3453545	3402985	3437290	0.86	cps
Rhodium	103-1	6736683	6548882	6647484	6644350	1.41	cps
Rhodium	103-2	4352300	4084108	4246732	4227713	3.20	cps
Scandium	45-1	4169908	4110292	4157379	4145860	0.76	cps
Scandium	45-2	310059	303696	310661	308138	1.25	cps
Selenium	82-1	295	241	188	241	22.06	cps
Selenium	77-2	220	133	157	170	26.38	cps
Selenium	78-2	633	697	657	662	4.84	cps
Silicon	28-1	25381941	25579041	25586587	25515857	0.45	cps
Silver	107-1	1166	1043	1005	1072	7.86	cps
Silver	109-1	790	753	650	731	9.93	cps
Sodium	23-2	1299140	1274911	1287347	1287133	0.94	cps
Strontium	86-1	392351	391575	395409	393112	0.52	cps
Strontium	88-1	3921441	3880141	3955344	3918975	0.96	cps
Sulfur	34-1	3010800	3062295	2954686	3009260	1.79	cps
Terbium	159-1	7800754	7720332	7710043	7743710	0.64	cps
Terbium	159-2	6032431	5816101	5904127	5917553	1.84	cps
Thallium	203-1	747	583	707	679	12.54	cps
Thallium	205-1	1517	1580	1467	1521	3.73	cps
Tin	118-1	2584	2224	2187	2331	9.40	cps
Titanium	47-1	2677	3010	2927	2871	6.04	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:26:47	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	22296	22653	22860	22603	1.26	cps
Vanadium	51-2	53368	54217	53437	53674	0.88	cps
Yttrium	89-1	11471228	11094717	11297025	11287657	1.67	cps
Yttrium	89-2	3018299	2950792	2992819	2987303	1.14	cps
Zinc	66-2	237685	236696	235776	236719	0.40	cps
Zirconium	90-1	4121	4064	4194	4126	1.58	cps
Zirconium	91-1	903	1000	880	928	6.86	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:29:55	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2149724	2222648	2219938	2197437	1.88	cps
Antimony	121-1	1332	1221	1349	1301	5.36	cps
Arsenic	75-2	4484	4781	4634	4633	3.20	cps
Barium	135-1	37125	38111	37262	37499	1.42	cps
Barium	137-1	65788	65745	65048	65527	0.63	cps
Beryllium	9-1	-1274	-1312	-1205	-1264	-4.32	cps
Bismuth	209-1	4601242	4564717	4583635	4583198	0.40	cps
Bismuth	209-2	4692815	4635436	4517661	4615304	1.93	cps
Bromine	81-1	15852	16202	16363	16139	1.62	cps
Bromine	81-2	1213	1177	1233	1208	2.38	cps
Cadmium	108-1	233	200	233	222	8.66	cps
Cadmium	106-1	2714	2790	2724	2743	1.52	cps
Cadmium	111-1	5017	5007	4830	4951	2.12	cps
Calcium	43-1	1368385	1336596	1350661	1351881	1.18	cps
Calcium	44-1	21270737	21281516	21426523	21326259	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	25555	24780	25498	25278	1.71	cps
Cobalt	59-2	166078	162296	162112	163495	1.37	cps
Copper	63-2	169275	167292	167957	168175	0.60	cps
Dysprosium	156-1	39823	39917	40011	39917	0.23	cps
Dysprosium	156-2	41130	41769	40833	41244	1.16	cps
Erbium	164-1	42020	42328	42147	42165	0.37	cps
Erbium	164-2	34423	34626	34239	34429	0.56	cps
Gadolinium	160-1	38894	39151	38088	38711	1.43	cps
Gadolinium	160-2	32772	33006	33417	33065	0.99	cps
Holmium	165-1	7244664	7240147	7137892	7207568	0.84	cps
Holmium	165-2	6010144	6003224	5899293	5970887	1.04	cps
Indium	115-1	6578451	6501313	6625108	6568291	0.95	cps
Indium	115-2	2582158	2541626	2472391	2532059	2.19	cps
Iron	56-2	10738078	10828303	10624974	10730452	0.95	cps
Iron	57-2	256961	253934	257454	256116	0.74	cps
Iron	54-2	523684	529403	517722	523603	1.12	cps
Krypton	83-1	680	627	637	648	4.38	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:29:55	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	57715	57605	57605	57642	0.11	cps
Lead	207-1	47604	46918	47657	47393	0.87	cps
Lead	208-1	222696	220085	223624	222135	0.83	cps
Lithium	6-1	384175	391195	385715	387029	0.95	cps
Magnesium	24-2	4466361	4541186	4496889	4501479	0.84	cps
Manganese	55-2	7060932	7218535	7128644	7136037	1.11	cps
Molybdenum	94-1	1673	1680	1667	1673	0.40	cps
Molybdenum	95-1	580	543	557	560	3.31	cps
Molybdenum	96-1	803	827	710	780	7.92	cps
Molybdenum	97-1	333	363	363	353	4.90	cps
Molybdenum	98-1	600	640	573	604	5.55	cps
Neodymium	150-1	58307	58461	58400	58389	0.13	cps
Neodymium	150-2	40030	38566	39295	39297	1.86	cps
Nickel	60-2	56207	56471	55978	56219	0.44	cps
Phosphorus	31-2	16616	16089	16265	16323	1.64	cps
Potassium	39-2	3487530	3350603	3438401	3425512	2.03	cps
Rhodium	103-1	6545513	6520704	6656801	6574339	1.10	cps
Rhodium	103-2	4281296	4199694	4160376	4213788	1.46	cps
Scandium	45-1	4242206	4217247	4206372	4221942	0.44	cps
Scandium	45-2	317336	317665	312850	315950	0.85	cps
Selenium	82-1	145	225	220	197	22.93	cps
Selenium	77-2	157	150	150	152	2.53	cps
Selenium	78-2	693	680	610	661	6.77	cps
Silicon	28-1	25808803	25786396	25851919	25815706	0.13	cps
Silver	107-1	811	734	765	770	5.06	cps
Silver	109-1	540	587	487	538	9.31	cps
Sodium	23-2	1238168	1286678	1261435	1262094	1.92	cps
Strontium	86-1	377334	380731	381298	379788	0.56	cps
Strontium	88-1	3756208	3899483	3842532	3832741	1.88	cps
Sulfur	34-1	2999760	3037730	3001520	3013003	0.71	cps
Terbium	159-1	7613153	7591147	7655665	7619988	0.43	cps
Terbium	159-2	5937963	6091447	5926265	5985225	1.54	cps
Thallium	203-1	677	637	673	662	3.35	cps
Thallium	205-1	1463	1480	1517	1487	1.84	cps
Tin	118-1	1583	1620	1597	1600	1.16	cps
Titanium	47-1	3000	2890	2884	2925	2.24	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:29:55	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21117	21377	21798	21431	1.60	cps
Vanadium	51-2	52334	53153	53491	52993	1.12	cps
Yttrium	89-1	11176292	11273892	11381274	11277153	0.91	cps
Yttrium	89-2	3074606	3047496	3005828	3042643	1.14	cps
Zinc	66-2	229459	228105	227206	228257	0.50	cps
Zirconium	90-1	4191	4211	4031	4144	2.38	cps
Zirconium	91-1	877	857	807	847	4.26	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 18:33:06	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	393710	388125	384327	388721	1.21	cps
Antimony	121-1	499	521	454	491	6.97	cps
Arsenic	75-2	953	903	887	914	3.79	cps
Barium	135-1	7219	6855	7642	7239	5.44	cps
Barium	137-1	13310	12756	13029	13032	2.12	cps
Beryllium	9-1	-208	-212	-117	-179	-30.11	cps
Bismuth	209-1	4337907	4396702	4306190	4346933	1.06	cps
Bismuth	209-2	4700265	4560430	4538077	4599591	1.91	cps
Bromine	81-1	13099	13793	13226	13373	2.76	cps
Bromine	81-2	640	610	653	634	3.50	cps
Cadmium	108-1	53	70	80	68	19.88	cps
Cadmium	106-1	2364	2464	2387	2405	2.18	cps
Cadmium	111-1	2331	2359	2192	2294	3.90	cps
Calcium	43-1	237341	243428	237814	239528	1.41	cps
Calcium	44-1	4249306	4329422	4259869	4279533	1.02	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6872	6845	6968	6895	0.94	cps
Cobalt	59-2	33544	33337	32996	33293	0.83	cps
Copper	63-2	46235	46442	45312	45996	1.31	cps
Dysprosium	156-1	8026	7769	8269	8021	3.12	cps
Dysprosium	156-2	8556	8189	8293	8346	2.27	cps
Erbium	164-1	8186	7996	8172	8118	1.31	cps
Erbium	164-2	6872	6515	6668	6685	2.68	cps
Gadolinium	160-1	7672	7769	7519	7653	1.65	cps
Gadolinium	160-2	6685	6808	6828	6774	1.15	cps
Holmium	165-1	7267063	6950236	7299089	7172130	2.69	cps
Holmium	165-2	5892202	5803006	5755291	5816833	1.19	cps
Indium	115-1	6479756	6353562	6622816	6485378	2.08	cps
Indium	115-2	2545400	2507249	2513727	2522125	0.81	cps
Iron	56-2	2176109	2193237	2192103	2187150	0.44	cps
Iron	57-2	53013	53020	52712	52915	0.33	cps
Iron	54-2	109777	107514	106836	108042	1.43	cps
Krypton	83-1	500	590	557	549	8.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 18:33:06	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11855	11178	11765	11599	3.17	cps
Lead	207-1	9804	9553	9710	9689	1.30	cps
Lead	208-1	45072	45016	44802	44963	0.32	cps
Lithium	6-1	381531	388461	383199	384397	0.94	cps
Magnesium	24-2	784017	782643	780117	782259	0.25	cps
Manganese	55-2	1457611	1406837	1421049	1428499	1.83	cps
Molybdenum	94-1	553	570	510	544	5.69	cps
Molybdenum	95-1	280	303	243	276	10.98	cps
Molybdenum	96-1	423	430	367	407	8.56	cps
Molybdenum	97-1	253	247	283	261	7.48	cps
Molybdenum	98-1	443	430	420	431	2.72	cps
Neodymium	150-1	11708	11168	11575	11484	2.45	cps
Neodymium	150-2	8176	7866	7879	7973	2.20	cps
Nickel	60-2	11621	11886	11738	11748	1.13	cps
Phosphorus	31-2	3590	3640	3480	3570	2.29	cps
Potassium	39-2	673268	665570	675371	671403	0.77	cps
Rhodium	103-1	6674978	6423961	6611728	6570222	1.99	cps
Rhodium	103-2	4229626	4188693	4143831	4187383	1.02	cps
Scandium	45-1	4155361	4087842	4158767	4133990	0.97	cps
Scandium	45-2	321044	314824	315555	317141	1.07	cps
Selenium	82-1	237	171	141	183	26.94	cps
Selenium	77-2	27	30	37	31	16.37	cps
Selenium	78-2	513	523	523	520	1.11	cps
Silicon	28-1	6137986	6566517	6053101	6252535	4.40	cps
Silver	107-1	383	502	367	417	17.69	cps
Silver	109-1	307	377	353	346	10.32	cps
Sodium	23-2	248360	246464	246262	247029	0.47	cps
Strontium	86-1	78290	76300	78220	77603	1.46	cps
Strontium	88-1	646876	668203	650181	655087	1.75	cps
Sulfur	34-1	649212	654262	659504	654326	0.79	cps
Terbium	159-1	7445587	7455915	7199947	7367150	1.97	cps
Terbium	159-2	5936855	5808458	5777608	5840974	1.45	cps
Thallium	203-1	210	250	213	224	9.89	cps
Thallium	205-1	457	487	460	468	3.52	cps
Tin	118-1	1563	1330	1437	1443	8.09	cps
Titanium	47-1	743	687	780	737	6.38	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 18:33:06	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3971	4214	4027	4071	3.13	cps
Vanadium	51-2	10727	10420	11111	10753	3.22	cps
Yttrium	89-1	9956463	10318970	10205655	10160363	1.83	cps
Yttrium	89-2	2858898	2825120	2782898	2822305	1.35	cps
Zinc	66-2	47783	46930	47596	47436	0.94	cps
Zirconium	90-1	1240	1083	1073	1132	8.26	cps
Zirconium	91-1	223	280	290	264	13.60	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:36:18	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2471585	2466370	2463060	2467005	0.17	cps
Antimony	121-1	544858	564990	569427	559758	2.34	cps
Arsenic	75-2	40873	40893	40926	40897	0.07	cps
Barium	135-1	592119	610977	627001	610032	2.86	cps
Barium	137-1	1037411	1060069	1076556	1058012	1.86	cps
Beryllium	9-1	61694	62906	62201	62267	0.98	cps
Bismuth	209-1	4481718	4548275	4559222	4529739	0.93	cps
Bismuth	209-2	4648298	4539909	4593250	4593819	1.18	cps
Bromine	81-1	15585	15905	16199	15896	1.93	cps
Bromine	81-2	1283	1157	1207	1216	5.25	cps
Cadmium	108-1	10781	11084	11325	11063	2.46	cps
Cadmium	106-1	18388	17985	18195	18189	1.11	cps
Cadmium	111-1	154339	158255	160046	157547	1.85	cps
Calcium	43-1	1499549	1480642	1528204	1502798	1.59	cps
Calcium	44-1	24190085	24018857	23755858	23988267	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	291340	288375	289723	289812	0.51	cps
Cobalt	59-2	587298	589460	597627	591462	0.92	cps
Copper	63-2	3869835	3909231	3811483	3863516	1.27	cps
Dysprosium	156-1	38733	39536	39913	39394	1.53	cps
Dysprosium	156-2	41368	41388	41475	41410	0.14	cps
Erbium	164-1	40358	41408	42622	41463	2.73	cps
Erbium	164-2	34179	33200	33524	33634	1.48	cps
Gadolinium	160-1	37490	38904	38433	38276	1.88	cps
Gadolinium	160-2	32528	32692	32428	32549	0.41	cps
Holmium	165-1	7189896	7373835	7453595	7339109	1.84	cps
Holmium	165-2	6111598	5997029	6064474	6057700	0.95	cps
Indium	115-1	6546184	6707116	6863196	6705499	2.36	cps
Indium	115-2	2552177	2573024	2590554	2571918	0.75	cps
Iron	56-2	23623730	23567253	23858585	23683189	0.65	cps
Iron	57-2	549166	545211	541932	545436	0.66	cps
Iron	54-2	1168063	1163052	1167966	1166360	0.25	cps
Krypton	83-1	607	643	723	658	9.07	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:36:18	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2184026	2245176	2251647	2226950	1.68	cps
Lead	207-1	1897659	1966098	2008353	1957370	2.85	cps
Lead	208-1	8859975	9150262	9203005	9071081	2.04	cps
Lithium	6-1	398290	393876	397851	396672	0.61	cps
Magnesium	24-2	7296883	7112398	7075402	7161561	1.66	cps
Manganese	55-2	9401256	9422289	9432968	9418838	0.17	cps
Molybdenum	94-1	962103	989025	970114	973747	1.42	cps
Molybdenum	95-1	1057556	1074205	1065412	1065724	0.78	cps
Molybdenum	96-1	1183528	1379181	1213464	1258724	8.37	cps
Molybdenum	97-1	654528	667531	662054	661371	0.99	cps
Molybdenum	98-1	1885236	2009484	1969830	1954850	3.25	cps
Neodymium	150-1	55676	57688	57801	57055	2.10	cps
Neodymium	150-2	39047	39078	38463	38863	0.89	cps
Nickel	60-2	219826	218415	220091	219444	0.41	cps
Phosphorus	31-2	15922	16149	16175	16082	0.87	cps
Potassium	39-2	4841387	4797981	4800599	4813323	0.51	cps
Rhodium	103-1	6600902	6697067	6688101	6662024	0.80	cps
Rhodium	103-2	4286735	4215098	4242872	4248235	0.85	cps
Scandium	45-1	4260901	4233181	4221886	4238656	0.47	cps
Scandium	45-2	325012	323043	325635	324563	0.42	cps
Selenium	82-1	13006	13116	12837	12986	1.08	cps
Selenium	77-2	1397	1490	1507	1465	4.05	cps
Selenium	78-2	4861	5028	5078	4989	2.27	cps
Silicon	28-1	25068480	25566818	25218425	25284574	1.01	cps
Silver	107-1	134637	140847	141648	139044	2.76	cps
Silver	109-1	117627	121051	121743	120140	1.83	cps
Sodium	23-2	5239348	5129299	5261057	5209901	1.36	cps
Strontium	86-1	589340	599667	596584	595197	0.89	cps
Strontium	88-1	5990051	5972202	5912047	5958100	0.69	cps
Sulfur	34-1	3008934	2984046	2949165	2980715	1.01	cps
Terbium	159-1	7393556	7637225	7622504	7551095	1.81	cps
Terbium	159-2	6003288	6055451	6043453	6034064	0.45	cps
Thallium	203-1	430412	442684	447841	440312	2.03	cps
Thallium	205-1	1031583	1054540	1065342	1050488	1.64	cps
Tin	118-1	403947	409814	418883	410881	1.83	cps
Titanium	47-1	3504	3577	3567	3549	1.12	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 18:36:18	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1270274	1288179	1318145	1292199	1.87	cps
Vanadium	51-2	286450	283304	285617	285124	0.57	cps
Yttrium	89-1	11243457	11399043	11302274	11314925	0.69	cps
Yttrium	89-2	3095505	3074981	3095212	3088566	0.38	cps
Zinc	66-2	818909	816827	819512	818416	0.17	cps
Zirconium	90-1	980813	999770	993040	991208	0.97	cps
Zirconium	91-1	218348	222528	217971	219615	1.15	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:00:58	DataFile Name :	052CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8699042	8547092	8539929	8595355	1.05	cps
Antimony	121-1	3497630	3556174	3554154	3535986	0.94	cps
Arsenic	75-2	177408	177232	177277	177306	0.05	cps
Barium	135-1	3774877	3907298	3860166	3847447	1.74	cps
Barium	137-1	6465148	6731076	6592226	6596150	2.02	cps
Beryllium	9-1	352300	361087	366654	360014	2.01	cps
Bismuth	209-1	4202546	4324234	4323693	4283491	1.64	cps
Bismuth	209-2	4250414	4310352	4236761	4265843	0.92	cps
Bromine	81-1	11251	11198	11014	11154	1.11	cps
Bromine	81-2	267	217	237	240	10.49	cps
Cadmium	108-1	56580	56634	57390	56868	0.80	cps
Cadmium	106-1	80730	81501	80830	81020	0.52	cps
Cadmium	111-1	768474	784021	786631	779709	1.26	cps
Calcium	43-1	5292678	5258989	5239956	5263874	0.51	cps
Calcium	44-1	85716779	84272530	84271739	84753683	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1662860	1638300	1607767	1636309	1.69	cps
Cobalt	59-2	2525601	2534767	2481548	2513972	1.13	cps
Copper	63-2	18955709	18808215	18951580	18905168	0.44	cps
Dysprosium	156-1	163	220	170	184	16.79	cps
Dysprosium	156-2	303	303	300	302	0.64	cps
Erbium	164-1	360	350	353	354	1.44	cps
Erbium	164-2	323	270	320	304	9.81	cps
Gadolinium	160-1	193	217	210	207	5.81	cps
Gadolinium	160-2	427	360	407	398	8.60	cps
Holmium	165-1	6975113	7149711	7009293	7044706	1.31	cps
Holmium	165-2	5933378	5799956	5881660	5871664	1.15	cps
Indium	115-1	6264701	6139612	6176445	6193586	1.04	cps
Indium	115-2	2433665	2416737	2426649	2425684	0.35	cps
Iron	56-2	400018487	389976861	395787767	395261039	1.28	cps
Iron	57-2	9821718	9791602	9790820	9801380	0.18	cps
Iron	54-2	21553382	21600634	21465406	21539807	0.32	cps
Krypton	83-1	537	590	590	572	5.38	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:00:58	DataFile Name :	052CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11292092	11291340	11386865	11323432	0.49	cps
Lead	207-1	9571346	10070294	10113781	9918474	3.04	cps
Lead	208-1	45196736	46134865	46259110	45863570	1.27	cps
Lithium	6-1	399774	408720	413676	407390	1.73	cps
Magnesium	24-2	77591406	77397324	76575404	77188044	0.70	cps
Manganese	55-2	12538877	12348866	12427009	12438251	0.77	cps
Molybdenum	94-1	12163404	12205553	12352795	12240584	0.81	cps
Molybdenum	95-1	17503618	17902272	17725850	17710580	1.13	cps
Molybdenum	96-1	19125264	19306584	19351865	19261238	0.62	cps
Molybdenum	97-1	10822401	10857489	10872720	10850870	0.24	cps
Molybdenum	98-1	27831027	28291772	28250670	28124490	0.91	cps
Neodymium	150-1	217	180	253	217	16.92	cps
Neodymium	150-2	123	57	77	86	39.99	cps
Nickel	60-2	876067	870093	862655	869605	0.77	cps
Phosphorus	31-2	81650	80069	80655	80791	0.99	cps
Potassium	39-2	43846152	43765039	43724353	43778515	0.14	cps
Rhodium	103-1	6168874	6251301	6258986	6226387	0.80	cps
Rhodium	103-2	3977978	3945502	3912219	3945233	0.83	cps
Scandium	45-1	4337894	4407179	4269421	4338164	1.59	cps
Scandium	45-2	321575	321896	324781	322751	0.55	cps
Selenium	82-1	63039	63243	62588	62956	0.53	cps
Selenium	77-2	6475	6468	6341	6428	1.17	cps
Selenium	78-2	21619	21095	21940	21551	1.98	cps
Silicon	28-1	28285075	28325297	28752456	28454276	0.91	cps
Silver	107-1	4460776	4430565	4464509	4451950	0.42	cps
Silver	109-1	4245189	4319737	4294345	4286424	0.88	cps
Sodium	23-2	115082055	116144268	115549105	115591809	0.46	cps
Strontium	86-1	967247	984960	978229	976812	0.92	cps
Strontium	88-1	10064312	9854742	9876885	9931980	1.16	cps
Sulfur	34-1	465413	461461	458341	461738	0.77	cps
Terbium	159-1	7332531	7251396	7331855	7305261	0.64	cps
Terbium	159-2	5861503	5931823	5742044	5845124	1.64	cps
Thallium	203-1	2746595	2756028	2841319	2781314	1.88	cps
Thallium	205-1	6612078	6643279	6747238	6667532	1.06	cps
Tin	118-1	2644398	2665850	2688182	2666143	0.82	cps
Titanium	47-1	5107295	5143366	5043865	5098175	0.99	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:00:58	DataFile Name :	052CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8314388	8499193	8617675	8477085	1.80	cps
Vanadium	51-2	1368430	1385120	1380806	1378119	0.63	cps
Yttrium	89-1	10162862	10119352	10058986	10113734	0.52	cps
Yttrium	89-2	2830663	2723559	2694443	2749555	2.61	cps
Zinc	66-2	3293155	3322213	3265319	3293562	0.86	cps
Zirconium	90-1	6236030	6238746	6342195	6272324	0.96	cps
Zirconium	91-1	1164977	1177069	1191546	1177864	1.13	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:13:48	DataFile Name :	053CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	253	223	233	237	6.45	cps
Antimony	121-1	197	227	190	205	9.54	cps
Arsenic	75-2	10	17	7	11	45.82	cps
Barium	135-1	23	23	43	30	38.49	cps
Barium	137-1	37	30	33	33	10.01	cps
Beryllium	9-1	7	4	4	5	38.80	cps
Bismuth	209-1	4317595	4332309	4420053	4356652	1.27	cps
Bismuth	209-2	4347897	4357991	4351872	4352587	0.12	cps
Bromine	81-1	10654	10290	10324	10423	1.93	cps
Bromine	81-2	300	263	230	264	13.24	cps
Cadmium	108-1	17	3	23	14	70.51	cps
Cadmium	106-1	2027	2204	2044	2091	4.67	cps
Cadmium	111-1	1434	1553	1434	1474	4.68	cps
Calcium	43-1	287	310	190	262	24.27	cps
Calcium	44-1	27178	28146	28607	27977	2.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2107	2003	2084	2065	2.63	cps
Cobalt	59-2	57	83	50	63	27.85	cps
Copper	63-2	4421	4371	4274	4355	1.71	cps
Dysprosium	156-1	0	3	3	2	86.60	cps
Dysprosium	156-2	10	7	7	8	24.71	cps
Erbium	164-1	47	40	40	42	9.12	cps
Erbium	164-2	37	40	27	34	20.14	cps
Gadolinium	160-1	40	20	47	36	39.03	cps
Gadolinium	160-2	260	243	270	258	5.23	cps
Holmium	165-1	6801373	6782672	6753487	6779178	0.36	cps
Holmium	165-2	5714744	5574479	5622117	5637113	1.27	cps
Indium	115-1	6175646	6156527	6105423	6145865	0.59	cps
Indium	115-2	2409674	2497171	2404150	2436998	2.14	cps
Iron	56-2	20795	20217	20294	20435	1.53	cps
Iron	57-2	1173	1153	1177	1168	1.08	cps
Iron	54-2	2514	2347	2357	2406	3.89	cps
Krypton	83-1	490	543	427	487	12.00	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:13:48	DataFile Name :	053CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	607	677	633	639	5.53	cps
Lead	207-1	517	603	600	573	8.56	cps
Lead	208-1	2590	2711	2767	2689	3.37	cps
Lithium	6-1	407513	404227	408275	406671	0.53	cps
Magnesium	24-2	400	297	300	332	17.68	cps
Manganese	55-2	667	683	687	679	1.58	cps
Molybdenum	94-1	303	313	417	344	18.22	cps
Molybdenum	95-1	327	290	227	281	18.00	cps
Molybdenum	96-1	387	363	403	384	5.23	cps
Molybdenum	97-1	260	250	227	246	6.97	cps
Molybdenum	98-1	513	457	500	490	6.05	cps
Neodymium	150-1	7	10	7	8	24.71	cps
Neodymium	150-2	3	0	13	6	124.93	cps
Nickel	60-2	487	473	446	469	4.44	cps
Phosphorus	31-2	410	467	377	418	10.89	cps
Potassium	39-2	59124	59710	59506	59447	0.50	cps
Rhodium	103-1	6264302	6300374	6171857	6245511	1.06	cps
Rhodium	103-2	4069264	4094301	3981522	4048363	1.46	cps
Scandium	45-1	4015586	4057684	4079545	4050938	0.80	cps
Scandium	45-2	312430	311860	312274	312188	0.09	cps
Selenium	82-1	243	116	240	200	36.35	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	493	523	537	518	4.29	cps
Silicon	28-1	661779	643741	647814	651112	1.45	cps
Silver	107-1	127	147	134	136	7.48	cps
Silver	109-1	150	140	100	130	20.35	cps
Sodium	23-2	24910	24890	23975	24592	2.17	cps
Strontium	86-1	833	817	843	831	1.62	cps
Strontium	88-1	147	87	133	122	25.78	cps
Sulfur	34-1	181939	182448	181831	182073	0.18	cps
Terbium	159-1	6982640	7073052	7071568	7042420	0.74	cps
Terbium	159-2	5618829	5725107	5678615	5674184	0.94	cps
Thallium	203-1	230	203	170	201	14.95	cps
Thallium	205-1	537	510	507	518	3.18	cps
Tin	118-1	927	1017	910	951	6.03	cps
Titanium	47-1	70	113	137	107	31.72	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:13:48	DataFile Name :	053CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	27	20	27	24.99	cps
Vanadium	51-2	7	10	7	8	24.71	cps
Yttrium	89-1	9635672	9607926	9777613	9673737	0.94	cps
Yttrium	89-2	2678500	2698551	2686488	2687847	0.38	cps
Zinc	66-2	630	627	547	601	7.85	cps
Zirconium	90-1	440	507	477	474	7.04	cps
Zirconium	91-1	93	83	123	100	20.82	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:18:38	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2569226	2559163	2594610	2574333	0.71	cps
Antimony	121-1	538567	538184	541811	539521	0.37	cps
Arsenic	75-2	39422	39800	39028	39417	0.98	cps
Barium	135-1	585836	582196	592708	586913	0.91	cps
Barium	137-1	1017311	1017382	1026485	1020393	0.52	cps
Beryllium	9-1	67843	67820	66927	67530	0.77	cps
Bismuth	209-1	4436973	4358969	4401925	4399289	0.89	cps
Bismuth	209-2	4559597	4448045	4474455	4494032	1.30	cps
Bromine	81-1	12983	13833	14154	13656	4.43	cps
Bromine	81-2	1017	1120	1063	1067	4.85	cps
Cadmium	108-1	10447	10237	10854	10513	2.98	cps
Cadmium	106-1	17718	17287	17290	17432	1.42	cps
Cadmium	111-1	151832	149942	151743	151173	0.71	cps
Calcium	43-1	1485934	1465911	1504792	1485546	1.31	cps
Calcium	44-1	23208756	23429829	23699327	23445971	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	287753	286527	287542	287274	0.23	cps
Cobalt	59-2	579705	583045	581794	581514	0.29	cps
Copper	63-2	3706642	3786549	3699342	3730844	1.30	cps
Dysprosium	156-1	37778	37918	38921	38205	1.63	cps
Dysprosium	156-2	40057	40635	39739	40144	1.13	cps
Erbium	164-1	38734	39710	39175	39206	1.25	cps
Erbium	164-2	32976	33393	32688	33019	1.07	cps
Gadolinium	160-1	36792	36076	35676	36181	1.56	cps
Gadolinium	160-2	31883	31910	31753	31849	0.26	cps
Holmium	165-1	7195024	7098146	7097441	7130204	0.79	cps
Holmium	165-2	5982332	5896720	5763488	5880847	1.88	cps
Indium	115-1	6438314	6401126	6550814	6463418	1.21	cps
Indium	115-2	2536932	2540731	2488314	2521992	1.16	cps
Iron	56-2	23513554	23596495	23233340	23447797	0.81	cps
Iron	57-2	533075	541189	534636	536300	0.80	cps
Iron	54-2	1163920	1153386	1149769	1155692	0.64	cps
Krypton	83-1	570	630	640	613	6.17	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:18:38	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2111670	2163545	2120809	2132008	1.30	cps
Lead	207-1	1880431	1908162	1878341	1888978	0.88	cps
Lead	208-1	8600267	8868304	8772753	8747108	1.55	cps
Lithium	6-1	419714	410587	411556	413953	1.21	cps
Magnesium	24-2	7358851	7465454	7409094	7411133	0.72	cps
Manganese	55-2	9317433	9449683	9185274	9317463	1.42	cps
Molybdenum	94-1	927452	940937	947450	938613	1.09	cps
Molybdenum	95-1	1026067	1037038	1036734	1033280	0.60	cps
Molybdenum	96-1	1147909	1153873	1171823	1157868	1.08	cps
Molybdenum	97-1	636439	641756	646637	641611	0.79	cps
Molybdenum	98-1	1854279	1897246	1906948	1886158	1.49	cps
Neodymium	150-1	54251	54274	54565	54363	0.32	cps
Neodymium	150-2	37701	37336	38285	37774	1.27	cps
Nickel	60-2	216428	215010	215314	215584	0.35	cps
Phosphorus	31-2	16596	16008	16322	16309	1.80	cps
Potassium	39-2	4843763	4766668	4899262	4836564	1.38	cps
Rhodium	103-1	6347588	6278952	6455612	6360717	1.40	cps
Rhodium	103-2	4196536	4187676	4073475	4152562	1.65	cps
Scandium	45-1	4212875	4173607	4200780	4195754	0.48	cps
Scandium	45-2	327972	324576	321125	324558	1.05	cps
Selenium	82-1	12096	12704	12555	12452	2.54	cps
Selenium	77-2	1480	1447	1517	1481	2.36	cps
Selenium	78-2	4994	4928	4968	4963	0.68	cps
Silicon	28-1	25461999	25738521	25050881	25417134	1.36	cps
Silver	107-1	132262	133271	134022	133185	0.66	cps
Silver	109-1	112997	116273	116050	115106	1.59	cps
Sodium	23-2	5464305	5347455	5488810	5433523	1.39	cps
Strontium	86-1	564289	570895	568682	567955	0.59	cps
Strontium	88-1	5638866	5659398	5674110	5657458	0.31	cps
Sulfur	34-1	2858009	2970507	2990654	2939723	2.43	cps
Terbium	159-1	7290602	7338389	7409723	7346238	0.82	cps
Terbium	159-2	5837375	5906380	5853373	5865709	0.62	cps
Thallium	203-1	428811	429043	430742	429532	0.25	cps
Thallium	205-1	1010636	1000601	1017634	1009624	0.85	cps
Tin	118-1	386231	387206	394371	389269	1.14	cps
Titanium	47-1	3184	3424	3117	3241	4.98	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:18:38	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1249007	1275956	1262569	1262511	1.07	cps
Vanadium	51-2	281147	281070	281941	281386	0.17	cps
Yttrium	89-1	10898279	10868413	10711245	10825979	0.93	cps
Yttrium	89-2	3037698	2996682	3034829	3023070	0.76	cps
Zinc	66-2	787195	793202	785541	788646	0.51	cps
Zirconium	90-1	944497	963863	960091	956150	1.07	cps
Zirconium	91-1	211323	214059	212372	212585	0.65	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:21:42	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2557447	2472865	2524478	2518263	1.69	cps
Antimony	121-1	532913	534824	546338	538025	1.35	cps
Arsenic	75-2	40131	39225	39476	39611	1.18	cps
Barium	135-1	583898	585440	594484	587941	0.97	cps
Barium	137-1	1017376	1012222	1032157	1020585	1.01	cps
Beryllium	9-1	67673	68332	67489	67831	0.65	cps
Bismuth	209-1	4444465	4441863	4482488	4456272	0.51	cps
Bismuth	209-2	4502197	4540179	4462592	4501656	0.86	cps
Bromine	81-1	13506	13940	14260	13902	2.72	cps
Bromine	81-2	950	1060	1140	1050	9.09	cps
Cadmium	108-1	10571	10717	10961	10750	1.83	cps
Cadmium	106-1	17290	16713	17744	17249	3.00	cps
Cadmium	111-1	151006	150412	153793	151737	1.19	cps
Calcium	43-1	1501367	1501674	1505422	1502821	0.15	cps
Calcium	44-1	23816481	23811186	23590805	23739491	0.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	284251	282018	281619	282630	0.50	cps
Cobalt	59-2	580815	576687	572499	576667	0.72	cps
Copper	63-2	3727447	3718508	3674251	3706735	0.77	cps
Dysprosium	156-1	37373	38456	38212	38014	1.49	cps
Dysprosium	156-2	39987	40204	39546	39912	0.84	cps
Erbium	164-1	39549	39305	39613	39489	0.41	cps
Erbium	164-2	32959	32879	31873	32570	1.86	cps
Gadolinium	160-1	37012	36691	37169	36958	0.66	cps
Gadolinium	160-2	31495	32077	31923	31832	0.95	cps
Holmium	165-1	7227527	7088176	7154973	7156892	0.97	cps
Holmium	165-2	5982846	5930480	5907757	5940361	0.65	cps
Indium	115-1	6366269	6417667	6485148	6423028	0.93	cps
Indium	115-2	2565589	2496408	2514723	2525573	1.42	cps
Iron	56-2	23231546	23228540	23457248	23305778	0.56	cps
Iron	57-2	535266	531610	532053	532977	0.37	cps
Iron	54-2	1151558	1142295	1131010	1141621	0.90	cps
Krypton	83-1	513	637	607	586	10.98	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:21:42	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2202375	2170008	2182293	2184892	0.75	cps
Lead	207-1	1959784	1949463	1956550	1955266	0.27	cps
Lead	208-1	8948746	8929885	8898543	8925724	0.28	cps
Lithium	6-1	426806	421562	420299	422889	0.82	cps
Magnesium	24-2	7458622	7143955	7348688	7317088	2.18	cps
Manganese	55-2	9228316	9268277	9164644	9220412	0.57	cps
Molybdenum	94-1	935992	946562	933903	938819	0.72	cps
Molybdenum	95-1	1022368	1044166	1017475	1028003	1.38	cps
Molybdenum	96-1	1150511	1169713	1163940	1161388	0.85	cps
Molybdenum	97-1	636431	643368	640983	640261	0.55	cps
Molybdenum	98-1	1866787	1884907	1886194	1879296	0.58	cps
Neodymium	150-1	55034	55328	55596	55319	0.51	cps
Neodymium	150-2	37684	37219	36929	37277	1.02	cps
Nickel	60-2	213264	213846	213091	213401	0.19	cps
Phosphorus	31-2	16059	16316	16025	16133	0.98	cps
Potassium	39-2	4817876	4773997	4885658	4825843	1.17	cps
Rhodium	103-1	6315024	6551163	6412469	6426219	1.85	cps
Rhodium	103-2	4166025	4208730	4211695	4195483	0.61	cps
Scandium	45-1	4271075	4242626	4159117	4224273	1.38	cps
Scandium	45-2	326630	327108	326375	326704	0.11	cps
Selenium	82-1	12875	12974	12501	12783	1.95	cps
Selenium	77-2	1447	1523	1510	1493	2.74	cps
Selenium	78-2	4901	4838	4898	4879	0.73	cps
Silicon	28-1	25839951	26517600	25659915	26005822	1.74	cps
Silver	107-1	131066	134728	135676	133824	1.82	cps
Silver	109-1	113602	116602	117267	115824	1.69	cps
Sodium	23-2	5362827	5245538	5348456	5318940	1.20	cps
Strontium	86-1	573966	589995	569726	577895	1.85	cps
Strontium	88-1	5736731	5925282	5708918	5790311	2.03	cps
Sulfur	34-1	3071683	3056358	2950844	3026295	2.17	cps
Terbium	159-1	7349994	7367907	7564258	7427386	1.60	cps
Terbium	159-2	6048597	5950131	5912633	5970454	1.18	cps
Thallium	203-1	431848	434854	438808	435170	0.80	cps
Thallium	205-1	1026919	1042508	1032895	1034108	0.76	cps
Tin	118-1	385631	389435	393912	389660	1.06	cps
Titanium	47-1	3174	3237	3037	3149	3.25	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	5
Date & Time Acquired :	2025-07-22 19:21:42	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1280806	1283635	1286224	1283555	0.21	cps
Vanadium	51-2	279106	279383	278610	279033	0.14	cps
Yttrium	89-1	11014006	11265937	10941119	11073687	1.54	cps
Yttrium	89-2	3023988	3038008	3044920	3035639	0.35	cps
Zinc	66-2	785263	780931	783372	783189	0.28	cps
Zirconium	90-1	958197	981002	957692	965630	1.38	cps
Zirconium	91-1	211293	218258	215106	214886	1.62	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937TB	Instrumnet Name :	P7
Client Sample ID :	PB168937TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:24:41	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	233	330	223	262	22.47	cps
Antimony	121-1	94	61	84	79	21.59	cps
Arsenic	75-2	3	3	0	2	86.60	cps
Barium	135-1	33	13	20	22	45.83	cps
Barium	137-1	40	37	27	34	20.14	cps
Beryllium	9-1	7	10	10	9	20.65	cps
Bismuth	209-1	4257636	4206043	4383673	4282451	2.13	cps
Bismuth	209-2	4504362	4469752	4502489	4492201	0.43	cps
Bromine	81-1	11168	11318	11378	11288	0.96	cps
Bromine	81-2	300	247	240	262	12.54	cps
Cadmium	108-1	7	13	7	9	43.25	cps
Cadmium	106-1	2277	2314	2257	2282	1.26	cps
Cadmium	111-1	1619	1620	1588	1609	1.12	cps
Calcium	43-1	323	337	393	351	10.59	cps
Calcium	44-1	31406	31924	31433	31587	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1967	2114	2244	2108	6.57	cps
Cobalt	59-2	67	77	43	62	27.50	cps
Copper	63-2	3944	4127	4184	4085	3.07	cps
Dysprosium	156-1	0	0	7	2	173.21	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	73	47	60	60	22.22	cps
Erbium	164-2	60	23	13	32	76.26	cps
Gadolinium	160-1	57	47	47	50	11.55	cps
Gadolinium	160-2	323	280	273	292	9.29	cps
Holmium	165-1	6777354	6967965	6675634	6806984	2.18	cps
Holmium	165-2	5750602	5716422	5751784	5739602	0.35	cps
Indium	115-1	6299744	6325491	6354445	6326560	0.43	cps
Indium	115-2	2539856	2530034	2501545	2523812	0.79	cps
Iron	56-2	22477	21492	21225	21731	3.03	cps
Iron	57-2	1263	1270	1270	1268	0.30	cps
Iron	54-2	2610	2404	2440	2485	4.44	cps
Krypton	83-1	520	520	580	540	6.42	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937TB	Instrumnet Name :	P7
Client Sample ID :	PB168937TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:24:41	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	540	643	610	598	8.82	cps
Lead	207-1	510	467	487	488	4.45	cps
Lead	208-1	2478	2361	2324	2388	3.37	cps
Lithium	6-1	406444	405039	407396	406293	0.29	cps
Magnesium	24-2	203	217	223	214	4.75	cps
Manganese	55-2	2340	2357	2287	2328	1.57	cps
Molybdenum	94-1	470	373	427	423	11.44	cps
Molybdenum	95-1	293	307	260	287	8.39	cps
Molybdenum	96-1	370	360	393	374	4.57	cps
Molybdenum	97-1	270	347	263	293	15.79	cps
Molybdenum	98-1	433	457	420	437	4.25	cps
Neodymium	150-1	13	13	13	13	0.00	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	558	533	469	520	8.87	cps
Phosphorus	31-2	377	413	433	408	7.05	cps
Potassium	39-2	62253	63077	61778	62369	1.05	cps
Rhodium	103-1	6326008	6444138	6318674	6362940	1.11	cps
Rhodium	103-2	4271085	4197010	4128233	4198776	1.70	cps
Scandium	45-1	4085431	4250642	4143365	4159813	2.02	cps
Scandium	45-2	319927	320384	318762	319691	0.26	cps
Selenium	82-1	239	122	156	172	35.03	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	477	473	467	472	1.08	cps
Silicon	28-1	671212	675262	681481	675985	0.77	cps
Silver	107-1	267	210	277	251	14.30	cps
Silver	109-1	213	243	160	206	20.53	cps
Sodium	23-2	25047	24850	24990	24962	0.41	cps
Strontium	86-1	933	863	947	914	4.90	cps
Strontium	88-1	263	187	197	216	19.34	cps
Sulfur	34-1	178526	179355	180421	179434	0.53	cps
Terbium	159-1	7247509	7112051	7129082	7162881	1.03	cps
Terbium	159-2	5815181	5703326	5729332	5749280	1.02	cps
Thallium	203-1	240	197	237	224	10.74	cps
Thallium	205-1	600	557	467	541	12.57	cps
Tin	118-1	1093	1313	1123	1177	10.14	cps
Titanium	47-1	90	103	117	103	12.90	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	PB168937TB	Instrumnet Name :	P7
Client Sample ID :	PB168937TB	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:24:41	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	27	20	27	24.99	cps
Vanadium	51-2	23	33	17	24	34.31	cps
Yttrium	89-1	9920696	9840115	9886462	9882424	0.41	cps
Yttrium	89-2	2843004	2838765	2783143	2821637	1.18	cps
Zinc	66-2	780	823	780	794	3.15	cps
Zirconium	90-1	853	790	950	864	9.32	cps
Zirconium	91-1	193	190	210	198	5.42	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:27:59	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3374418	3349606	3398481	3374168	0.72	cps
Antimony	121-1	1237	1296	1303	1278	2.82	cps
Arsenic	75-2	4627	4754	4347	4576	4.55	cps
Barium	135-1	31625	33673	33082	32793	3.21	cps
Barium	137-1	56934	57171	57238	57114	0.28	cps
Beryllium	9-1	-1032	-1086	-999	-1039	-4.25	cps
Bismuth	209-1	4189497	4238343	4293037	4240292	1.22	cps
Bismuth	209-2	4486547	4422238	4500949	4469911	0.94	cps
Bromine	81-1	14013	15642	16312	15323	7.72	cps
Bromine	81-2	1547	1490	1640	1559	4.86	cps
Cadmium	108-1	160	200	237	199	19.28	cps
Cadmium	106-1	2990	2847	2894	2910	2.51	cps
Cadmium	111-1	4698	4633	4594	4642	1.14	cps
Calcium	43-1	955381	971892	977758	968344	1.20	cps
Calcium	44-1	16999966	17435869	17580553	17338796	1.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32345	32438	32448	32410	0.18	cps
Cobalt	59-2	219226	218645	219747	219206	0.25	cps
Copper	63-2	294534	298914	297427	296958	0.75	cps
Dysprosium	156-1	80386	81026	82236	81216	1.16	cps
Dysprosium	156-2	87568	87149	88332	87683	0.68	cps
Erbium	164-1	81342	81278	81355	81325	0.05	cps
Erbium	164-2	70269	69144	68919	69444	1.04	cps
Gadolinium	160-1	77925	80047	79384	79119	1.37	cps
Gadolinium	160-2	69683	69649	69555	69629	0.09	cps
Holmium	165-1	6876920	6906048	6830749	6871239	0.55	cps
Holmium	165-2	5891706	5939268	5903563	5911512	0.42	cps
Indium	115-1	6367079	6211673	6239581	6272778	1.32	cps
Indium	115-2	2566822	2515076	2542619	2541506	1.02	cps
Iron	56-2	11540430	11458791	11425194	11474805	0.52	cps
Iron	57-2	269405	269887	271080	270124	0.32	cps
Iron	54-2	561193	556751	562053	559999	0.51	cps
Krypton	83-1	747	710	713	723	2.80	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:27:59	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	66838	68254	68830	67974	1.51	cps
Lead	207-1	54981	55784	55262	55342	0.74	cps
Lead	208-1	257004	260474	262555	260011	1.08	cps
Lithium	6-1	407388	402662	399406	403152	1.00	cps
Magnesium	24-2	2054245	2005537	2029048	2029610	1.20	cps
Manganese	55-2	8063223	7878907	7970562	7970897	1.16	cps
Molybdenum	94-1	1670	1747	1520	1646	7.01	cps
Molybdenum	95-1	613	653	593	620	4.93	cps
Molybdenum	96-1	777	763	763	768	1.00	cps
Molybdenum	97-1	320	303	337	320	5.21	cps
Molybdenum	98-1	673	773	733	727	6.93	cps
Neodymium	150-1	122865	125010	125807	124561	1.22	cps
Neodymium	150-2	89127	88020	87953	88367	0.75	cps
Nickel	60-2	69603	69887	69933	69808	0.26	cps
Phosphorus	31-2	16432	16105	16152	16230	1.09	cps
Potassium	39-2	3052023	2966276	3018604	3012301	1.43	cps
Rhodium	103-1	6276004	6305339	6366922	6316089	0.73	cps
Rhodium	103-2	4268120	4164446	4122742	4185102	1.79	cps
Scandium	45-1	4212987	4177209	4126632	4172276	1.04	cps
Scandium	45-2	327173	321967	325001	324714	0.81	cps
Selenium	82-1	354	341	372	356	4.40	cps
Selenium	77-2	320	390	337	349	10.48	cps
Selenium	78-2	770	780	893	814	8.41	cps
Silicon	28-1	32054712	32854969	32964235	32624639	1.52	cps
Silver	107-1	824	791	788	801	2.45	cps
Silver	109-1	237	220	257	238	7.72	cps
Sodium	23-2	839318	837528	836878	837908	0.15	cps
Strontium	86-1	435209	439734	445870	440271	1.22	cps
Strontium	88-1	4389531	4401928	4392517	4394659	0.15	cps
Sulfur	34-1	2767954	2857485	2841368	2822269	1.69	cps
Terbium	159-1	7164928	7250870	7281702	7232500	0.84	cps
Terbium	159-2	5936799	5904108	5961228	5934045	0.48	cps
Thallium	203-1	680	893	757	777	13.91	cps
Thallium	205-1	2004	2010	2100	2038	2.65	cps
Tin	118-1	1277	1357	1340	1325	3.19	cps
Titanium	47-1	2747	2717	2944	2803	4.39	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:27:59	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50683	51111	50811	50868	0.43	cps
Vanadium	51-2	62657	62596	63540	62931	0.84	cps
Yttrium	89-1	11585701	11574827	11729142	11629890	0.74	cps
Yttrium	89-2	3347713	3269056	3274713	3297161	1.33	cps
Zinc	66-2	202307	202105	202335	202249	0.06	cps
Zirconium	90-1	3887	3717	4047	3884	4.25	cps
Zirconium	91-1	780	757	887	808	8.58	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:31:06	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3762817	3837280	3753352	3784483	1.21	cps
Antimony	121-1	1402	1428	1417	1416	0.90	cps
Arsenic	75-2	5328	5388	5254	5323	1.25	cps
Barium	135-1	37459	38057	38261	37926	1.10	cps
Barium	137-1	66659	66672	66809	66714	0.12	cps
Beryllium	9-1	-1380	-1372	-1432	-1395	-2.34	cps
Bismuth	209-1	4281611	4274868	4297740	4284740	0.27	cps
Bismuth	209-2	4487920	4444507	4499534	4477320	0.65	cps
Bromine	81-1	16700	17841	18341	17627	4.77	cps
Bromine	81-2	1850	1763	2013	1876	6.77	cps
Cadmium	108-1	253	323	187	254	26.86	cps
Cadmium	106-1	3167	3084	3050	3100	1.94	cps
Cadmium	111-1	4770	4963	5012	4915	2.60	cps
Calcium	43-1	1258081	1251491	1257553	1255709	0.29	cps
Calcium	44-1	19853329	19973415	20122611	19983118	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36090	36765	35903	36252	1.25	cps
Cobalt	59-2	255493	252093	250340	252642	1.04	cps
Copper	63-2	342584	337590	331421	337199	1.66	cps
Dysprosium	156-1	91597	94375	93529	93167	1.53	cps
Dysprosium	156-2	101192	98848	100373	100137	1.19	cps
Erbium	164-1	91619	95353	94491	93821	2.08	cps
Erbium	164-2	81446	79281	79525	80084	1.48	cps
Gadolinium	160-1	89645	90638	91674	90653	1.12	cps
Gadolinium	160-2	79635	79424	79139	79399	0.31	cps
Holmium	165-1	6898347	6881838	7118753	6966313	1.90	cps
Holmium	165-2	5998230	5985134	5925104	5969489	0.65	cps
Indium	115-1	6370646	6418930	6311039	6366872	0.85	cps
Indium	115-2	2591117	2569412	2560699	2573742	0.61	cps
Iron	56-2	13156633	13309621	12937848	13134701	1.42	cps
Iron	57-2	307464	308919	306449	307611	0.40	cps
Iron	54-2	650200	653116	642321	648546	0.86	cps
Krypton	83-1	650	743	733	709	7.23	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:31:06	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	75569	78029	78080	77226	1.86	cps
Lead	207-1	62045	63210	63820	63025	1.43	cps
Lead	208-1	291121	297217	298619	295653	1.35	cps
Lithium	6-1	397549	396055	391113	394906	0.85	cps
Magnesium	24-2	2291238	2323107	2294205	2302850	0.76	cps
Manganese	55-2	9041679	9253358	8897557	9064198	1.97	cps
Molybdenum	94-1	1417	1717	1903	1679	14.63	cps
Molybdenum	95-1	670	650	730	683	6.09	cps
Molybdenum	96-1	890	910	793	864	7.22	cps
Molybdenum	97-1	360	457	407	408	11.86	cps
Molybdenum	98-1	680	693	743	706	4.73	cps
Neodymium	150-1	141929	144403	145810	144047	1.36	cps
Neodymium	150-2	101557	100355	100087	100666	0.78	cps
Nickel	60-2	80880	80552	79288	80240	1.05	cps
Phosphorus	31-2	17704	17627	17981	17770	1.05	cps
Potassium	39-2	3507749	3436741	3379392	3441294	1.87	cps
Rhodium	103-1	6442752	6441594	6491896	6458747	0.44	cps
Rhodium	103-2	4204238	4123654	4250662	4192851	1.53	cps
Scandium	45-1	4310104	4246438	4176648	4244397	1.57	cps
Scandium	45-2	327857	325172	325291	326107	0.47	cps
Selenium	82-1	537	430	468	478	11.42	cps
Selenium	77-2	457	357	463	426	14.04	cps
Selenium	78-2	890	943	843	892	5.61	cps
Silicon	28-1	37139844	37791313	37743093	37558083	0.97	cps
Silver	107-1	826	839	854	840	1.64	cps
Silver	109-1	283	233	260	259	9.66	cps
Sodium	23-2	1119520	1119199	1083007	1107242	1.90	cps
Strontium	86-1	503705	514528	511411	509882	1.09	cps
Strontium	88-1	5082791	5177184	5215834	5158603	1.33	cps
Sulfur	34-1	3201131	3250960	3251081	3234391	0.89	cps
Terbium	159-1	7260859	7258907	7442301	7320689	1.44	cps
Terbium	159-2	5848735	6102187	5871511	5940811	2.36	cps
Thallium	203-1	893	800	860	851	5.56	cps
Thallium	205-1	2077	2344	2234	2218	6.04	cps
Tin	118-1	1520	1423	1510	1485	3.58	cps
Titanium	47-1	3510	3344	3340	3398	2.86	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:31:06	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	56942	58214	57695	57617	1.11	cps
Vanadium	51-2	71190	72678	70929	71599	1.32	cps
Yttrium	89-1	12157233	12162433	12082031	12133899	0.37	cps
Yttrium	89-2	3420714	3327026	3420697	3389479	1.60	cps
Zinc	66-2	234117	229787	231198	231701	0.95	cps
Zirconium	90-1	3660	3580	3797	3679	2.98	cps
Zirconium	91-1	790	977	773	847	13.33	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 19:34:14	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	531133	531692	521450	528092	1.09	cps
Antimony	121-1	249	308	272	276	10.78	cps
Arsenic	75-2	850	930	820	867	6.56	cps
Barium	135-1	5971	6478	6135	6195	4.18	cps
Barium	137-1	10234	10714	10707	10552	2.61	cps
Beryllium	9-1	-121	-139	-137	-132	-7.21	cps
Bismuth	209-1	4342590	4406754	4371956	4373767	0.73	cps
Bismuth	209-2	4620535	4566174	4481073	4555927	1.54	cps
Bromine	81-1	13473	13420	13820	13571	1.60	cps
Bromine	81-2	617	550	553	573	6.55	cps
Cadmium	108-1	87	33	43	54	52.08	cps
Cadmium	106-1	2474	2464	2320	2419	3.55	cps
Cadmium	111-1	2098	2231	2034	2121	4.75	cps
Calcium	43-1	179003	179434	184792	181076	1.78	cps
Calcium	44-1	3197560	3297276	3230357	3241731	1.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7855	7369	7749	7658	3.34	cps
Cobalt	59-2	40993	40060	40458	40504	1.16	cps
Copper	63-2	58524	57788	55847	57386	2.41	cps
Dysprosium	156-1	14908	14891	14648	14816	0.98	cps
Dysprosium	156-2	15983	16113	15545	15880	1.87	cps
Erbium	164-1	15168	15045	14811	15008	1.21	cps
Erbium	164-2	12763	12833	12332	12642	2.14	cps
Gadolinium	160-1	14301	14214	14608	14374	1.44	cps
Gadolinium	160-2	13146	13447	13103	13232	1.41	cps
Holmium	165-1	6982224	6971701	6961255	6971727	0.15	cps
Holmium	165-2	5973810	5993769	5912637	5960072	0.71	cps
Indium	115-1	6525443	6643672	6354953	6508023	2.23	cps
Indium	115-2	2662438	2566717	2558928	2596027	2.22	cps
Iron	56-2	2123192	2134048	2116414	2124551	0.42	cps
Iron	57-2	50525	50980	50401	50635	0.60	cps
Iron	54-2	105366	105047	104134	104849	0.61	cps
Krypton	83-1	503	610	610	574	10.72	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 19:34:14	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13197	12890	12536	12874	2.57	cps
Lead	207-1	9970	10324	10267	10187	1.86	cps
Lead	208-1	48422	48606	49065	48698	0.68	cps
Lithium	6-1	404947	402064	403402	403471	0.36	cps
Magnesium	24-2	319217	315438	315341	316665	0.70	cps
Manganese	55-2	1461390	1454028	1464064	1459827	0.36	cps
Molybdenum	94-1	480	497	567	514	8.94	cps
Molybdenum	95-1	310	333	343	329	5.20	cps
Molybdenum	96-1	347	447	420	404	12.80	cps
Molybdenum	97-1	280	257	280	272	4.95	cps
Molybdenum	98-1	420	433	437	430	2.05	cps
Neodymium	150-1	23042	22154	23333	22843	2.69	cps
Neodymium	150-2	16283	16436	16203	16307	0.73	cps
Nickel	60-2	13435	13233	13127	13265	1.18	cps
Phosphorus	31-2	3124	3114	3337	3191	3.95	cps
Potassium	39-2	550006	550247	548815	549689	0.14	cps
Rhodium	103-1	6495492	6531442	6313007	6446647	1.82	cps
Rhodium	103-2	4311964	4268119	4248908	4276330	0.76	cps
Scandium	45-1	4293651	4270220	4256556	4273476	0.44	cps
Scandium	45-2	329434	329128	323303	327288	1.06	cps
Selenium	82-1	230	103	163	165	38.60	cps
Selenium	77-2	60	47	53	53	12.50	cps
Selenium	78-2	633	637	583	618	4.84	cps
Silicon	28-1	6909096	7056561	6840182	6935280	1.59	cps
Silver	107-1	196	216	224	212	6.89	cps
Silver	109-1	103	103	167	124	29.39	cps
Sodium	23-2	173261	171661	171053	171992	0.66	cps
Strontium	86-1	81541	81287	81135	81321	0.25	cps
Strontium	88-1	700601	696772	713964	703779	1.28	cps
Sulfur	34-1	555393	562766	560450	559536	0.67	cps
Terbium	159-1	7229258	7307257	6990771	7175762	2.30	cps
Terbium	159-2	6003326	5968551	5781138	5917672	2.02	cps
Thallium	203-1	313	317	267	299	9.35	cps
Thallium	205-1	640	650	663	651	1.80	cps
Tin	118-1	1140	1187	1183	1170	2.23	cps
Titanium	47-1	580	637	597	604	4.82	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL2X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL2	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 19:34:14	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8926	9217	9113	9085	1.62	cps
Vanadium	51-2	11461	11625	11454	11513	0.84	cps
Yttrium	89-1	10764259	10726634	10548877	10679924	1.08	cps
Yttrium	89-2	2999128	2933675	2953662	2962155	1.13	cps
Zinc	66-2	38246	38035	37263	37848	1.37	cps
Zirconium	90-1	953	1023	933	970	4.87	cps
Zirconium	91-1	217	193	243	218	11.49	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:37:28	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2241632	2183142	2175462	2200079	1.64	cps
Antimony	121-1	348930	353214	361355	354500	1.78	cps
Arsenic	75-2	29272	29904	28885	29354	1.75	cps
Barium	135-1	379320	381604	387328	382751	1.08	cps
Barium	137-1	664295	670953	675838	670362	0.86	cps
Beryllium	9-1	41097	42334	41577	41669	1.50	cps
Bismuth	209-1	4218280	4284150	4284442	4262291	0.89	cps
Bismuth	209-2	4517911	4556621	4503425	4525986	0.61	cps
Bromine	81-1	14280	15625	15955	15287	5.80	cps
Bromine	81-2	1253	1137	1247	1212	5.41	cps
Cadmium	108-1	6842	7048	7192	7027	2.50	cps
Cadmium	106-1	12429	12599	12262	12430	1.36	cps
Cadmium	111-1	98313	102220	99391	99975	2.02	cps
Calcium	43-1	683846	701900	698140	694629	1.37	cps
Calcium	44-1	12137883	12238950	12342814	12239882	0.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	199493	198552	196998	198348	0.64	cps
Cobalt	59-2	423232	422770	419986	421996	0.42	cps
Copper	63-2	2651759	2684742	2673103	2669868	0.63	cps
Dysprosium	156-1	48092	49641	49347	49026	1.68	cps
Dysprosium	156-2	53799	52856	52488	53048	1.28	cps
Erbium	164-1	48273	48541	48965	48593	0.72	cps
Erbium	164-2	42230	42160	41749	42047	0.62	cps
Gadolinium	160-1	47206	47337	47648	47397	0.48	cps
Gadolinium	160-2	43424	42223	42625	42757	1.43	cps
Holmium	165-1	7045399	7132517	7007540	7061818	0.91	cps
Holmium	165-2	5897139	5931452	5890905	5906499	0.37	cps
Indium	115-1	6390171	6381800	6291719	6354564	0.86	cps
Indium	115-2	2598414	2610282	2532414	2580370	1.63	cps
Iron	56-2	15674292	15986170	15662117	15774193	1.16	cps
Iron	57-2	359773	360446	353915	358044	1.00	cps
Iron	54-2	786043	776666	769911	777540	1.04	cps
Krypton	83-1	690	623	673	662	5.24	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:37:28	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1153814	1172937	1181866	1169539	1.23	cps
Lead	207-1	1005559	1018395	1023613	1015855	0.91	cps
Lead	208-1	5177831	5255689	5347896	5260472	1.62	cps
Lithium	6-1	393605	395869	396786	395420	0.41	cps
Magnesium	24-2	3071940	3096717	3010740	3059799	1.45	cps
Manganese	55-2	6484631	6504039	6289497	6426055	1.85	cps
Molybdenum	94-1	618621	625914	634508	626347	1.27	cps
Molybdenum	95-1	671386	687648	691141	683391	1.54	cps
Molybdenum	96-1	759406	774791	782353	772183	1.51	cps
Molybdenum	97-1	420229	427808	426187	424741	0.94	cps
Molybdenum	98-1	1079418	1104225	1112872	1098838	1.58	cps
Neodymium	150-1	74603	74975	76684	75421	1.47	cps
Neodymium	150-2	52588	53649	52742	52993	1.08	cps
Nickel	60-2	153893	152915	151624	152811	0.74	cps
Phosphorus	31-2	9950	9693	9320	9654	3.28	cps
Potassium	39-2	2856559	2864117	2802517	2841064	1.18	cps
Rhodium	103-1	6557847	6470105	6606605	6544852	1.06	cps
Rhodium	103-2	4303104	4200501	4218064	4240556	1.29	cps
Scandium	45-1	4370728	4220400	4324468	4305199	1.79	cps
Scandium	45-2	336578	327846	328165	330863	1.50	cps
Selenium	82-1	8526	8634	8815	8658	1.69	cps
Selenium	77-2	1127	1160	1210	1166	3.60	cps
Selenium	78-2	3761	3814	3717	3764	1.29	cps
Silicon	28-1	20788268	21360477	21111691	21086812	1.36	cps
Silver	107-1	86745	89122	90627	88831	2.20	cps
Silver	109-1	74990	77175	78910	77025	2.55	cps
Sodium	23-2	3360741	3364075	3320339	3348385	0.73	cps
Strontium	86-1	405025	409755	413636	409472	1.05	cps
Strontium	88-1	4076560	4118749	4118112	4104473	0.59	cps
Sulfur	34-1	1793725	1819739	1793509	1802324	0.84	cps
Terbium	159-1	7328588	7191872	7202087	7240849	1.05	cps
Terbium	159-2	6060934	5926378	5942395	5976569	1.23	cps
Thallium	203-1	270472	278759	282118	277116	2.16	cps
Thallium	205-1	651664	656467	673426	660519	1.73	cps
Tin	118-1	252880	258199	261262	257447	1.65	cps
Titanium	47-1	2007	2094	2214	2105	4.93	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:37:28	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	812666	821424	839880	824657	1.68	cps
Vanadium	51-2	195495	193541	192799	193945	0.72	cps
Yttrium	89-1	11313245	11265937	11256808	11278663	0.27	cps
Yttrium	89-2	3135706	3166615	3170788	3157703	0.61	cps
Zinc	66-2	516821	519384	508168	514791	1.14	cps
Zirconium	90-1	630035	643262	650864	641387	1.64	cps
Zirconium	91-1	142436	142306	144038	142927	0.67	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:40:34	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1988133	2044879	2007852	2013621	1.43	cps
Antimony	121-1	326106	332188	335636	331310	1.46	cps
Arsenic	75-2	28414	28865	28230	28503	1.15	cps
Barium	135-1	355164	364767	365241	361724	1.57	cps
Barium	137-1	625416	630960	634586	630321	0.73	cps
Beryllium	9-1	39554	39400	39213	39389	0.43	cps
Bismuth	209-1	4224232	4428252	4386254	4346246	2.48	cps
Bismuth	209-2	4590981	4480907	4445193	4505694	1.69	cps
Bromine	81-1	14851	15745	16369	15655	4.87	cps
Bromine	81-2	1367	1500	1410	1426	4.77	cps
Cadmium	108-1	6888	6685	6271	6615	4.75	cps
Cadmium	106-1	12098	12038	11641	11926	2.08	cps
Cadmium	111-1	93158	95312	95498	94656	1.37	cps
Calcium	43-1	641543	648946	655838	648776	1.10	cps
Calcium	44-1	11186150	11433644	11403642	11341145	1.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	185218	185984	183362	184855	0.73	cps
Cobalt	59-2	391095	391361	392419	391625	0.18	cps
Copper	63-2	2474417	2470183	2438837	2461146	0.79	cps
Dysprosium	156-1	45366	45701	46199	45756	0.92	cps
Dysprosium	156-2	48527	50049	49420	49332	1.55	cps
Erbium	164-1	45026	46136	46267	45809	1.49	cps
Erbium	164-2	39205	40439	39272	39638	1.75	cps
Gadolinium	160-1	43852	44982	44952	44595	1.44	cps
Gadolinium	160-2	39920	40024	39405	39783	0.83	cps
Holmium	165-1	6836602	7030015	6981786	6949467	1.45	cps
Holmium	165-2	5983818	5957073	5965709	5968867	0.23	cps
Indium	115-1	6339319	6395137	6401796	6378751	0.54	cps
Indium	115-2	2569279	2557038	2555769	2560695	0.29	cps
Iron	56-2	14604960	14808780	14547549	14653763	0.94	cps
Iron	57-2	332782	330914	331359	331685	0.29	cps
Iron	54-2	724091	726055	718038	722728	0.58	cps
Krypton	83-1	737	733	677	716	4.71	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:40:34	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1103741	1113985	1130864	1116197	1.23	cps
Lead	207-1	951611	964827	979313	965250	1.44	cps
Lead	208-1	4840145	5008111	5078612	4975623	2.46	cps
Lithium	6-1	396275	398687	400442	398468	0.53	cps
Magnesium	24-2	2851435	2831720	2834687	2839280	0.37	cps
Manganese	55-2	6064353	6064152	5976768	6035091	0.84	cps
Molybdenum	94-1	584216	587272	595303	588930	0.97	cps
Molybdenum	95-1	633030	651143	650805	644993	1.61	cps
Molybdenum	96-1	716096	726632	731910	724879	1.11	cps
Molybdenum	97-1	394861	399675	401375	398637	0.85	cps
Molybdenum	98-1	1012627	1035565	1030244	1026145	1.17	cps
Neodymium	150-1	68433	71960	71517	70637	2.72	cps
Neodymium	150-2	50072	50925	49908	50302	1.09	cps
Nickel	60-2	141544	141405	142086	141679	0.25	cps
Phosphorus	31-2	9396	9076	8829	9101	3.12	cps
Potassium	39-2	2639811	2624262	2620186	2628086	0.39	cps
Rhodium	103-1	6506458	6524898	6465297	6498884	0.47	cps
Rhodium	103-2	4263067	4120952	4212642	4198887	1.72	cps
Scandium	45-1	4198875	4200178	4276372	4225142	1.05	cps
Scandium	45-2	325813	326264	324300	325459	0.32	cps
Selenium	82-1	7788	7855	8203	7948	2.81	cps
Selenium	77-2	1013	1127	1003	1048	6.54	cps
Selenium	78-2	3524	3317	3394	3412	3.06	cps
Silicon	28-1	19572869	19746692	20039382	19786314	1.19	cps
Silver	107-1	81312	85270	85302	83962	2.73	cps
Silver	109-1	70541	72932	73020	72164	1.95	cps
Sodium	23-2	3133367	3124319	3071535	3109740	1.07	cps
Strontium	86-1	377968	387838	389513	385106	1.62	cps
Strontium	88-1	3825606	3885828	3871938	3861124	0.82	cps
Sulfur	34-1	1702500	1754620	1693514	1716878	1.92	cps
Terbium	159-1	7286847	7273327	7337713	7299296	0.47	cps
Terbium	159-2	6031116	5912239	5961585	5968313	1.00	cps
Thallium	203-1	260150	264376	269886	264804	1.84	cps
Thallium	205-1	618013	627889	633093	626331	1.22	cps
Tin	118-1	242659	243623	245213	243832	0.53	cps
Titanium	47-1	1890	1837	1827	1851	1.84	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:40:34	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	764550	791537	788377	781488	1.89	cps
Vanadium	51-2	180050	181003	179927	180326	0.33	cps
Yttrium	89-1	11242250	11205212	11201984	11216482	0.20	cps
Yttrium	89-2	3114106	3047072	3054424	3071867	1.20	cps
Zinc	66-2	477316	479781	477238	478112	0.30	cps
Zirconium	90-1	596022	611355	613016	606798	1.54	cps
Zirconium	91-1	132758	134161	135146	134022	0.90	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:43:40	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1845593	1891268	1842406	1859756	1.47	cps
Antimony	121-1	305250	305790	306333	305791	0.18	cps
Arsenic	75-2	26601	26571	26427	26533	0.35	cps
Barium	135-1	327790	331464	333535	330930	0.88	cps
Barium	137-1	570675	580390	580640	577235	0.98	cps
Beryllium	9-1	35652	36300	37022	36325	1.89	cps
Bismuth	209-1	4304379	4433123	4235575	4324359	2.32	cps
Bismuth	209-2	4486047	4463820	4336513	4428794	1.82	cps
Bromine	81-1	14514	15842	16012	15456	5.31	cps
Bromine	81-2	1190	1303	1320	1271	5.57	cps
Cadmium	108-1	6005	6038	5875	5972	1.45	cps
Cadmium	106-1	11158	11278	11251	11229	0.56	cps
Cadmium	111-1	87587	86828	87196	87204	0.43	cps
Calcium	43-1	592001	594727	601427	596052	0.81	cps
Calcium	44-1	10317491	10459812	10660041	10479115	1.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	169974	168337	166210	168174	1.12	cps
Cobalt	59-2	361382	356383	358216	358660	0.71	cps
Copper	63-2	2309412	2254722	2258011	2274048	1.35	cps
Dysprosium	156-1	41852	42444	42845	42381	1.18	cps
Dysprosium	156-2	45353	44597	44788	44913	0.87	cps
Erbium	164-1	42575	42779	43167	42840	0.70	cps
Erbium	164-2	36070	36444	35241	35918	1.71	cps
Gadolinium	160-1	40926	41822	40940	41229	1.25	cps
Gadolinium	160-2	36374	34807	36274	35818	2.45	cps
Holmium	165-1	6964152	6890016	7150589	7001586	1.92	cps
Holmium	165-2	5982846	5926325	5849939	5919703	1.13	cps
Indium	115-1	6274651	6275600	6357130	6302460	0.75	cps
Indium	115-2	2487220	2504036	2491391	2494216	0.35	cps
Iron	56-2	13444084	13079580	13575129	13366264	1.92	cps
Iron	57-2	306834	306363	304224	305807	0.45	cps
Iron	54-2	657817	655242	655835	656298	0.21	cps
Krypton	83-1	613	750	637	667	10.97	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:43:40	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1012864	1024230	1031351	1022815	0.91	cps
Lead	207-1	876591	896261	891646	888166	1.16	cps
Lead	208-1	4538854	4624339	4569429	4577541	0.95	cps
Lithium	6-1	397886	400353	403852	400697	0.75	cps
Magnesium	24-2	2658647	2588312	2659558	2635506	1.55	cps
Manganese	55-2	5594595	5500882	5467637	5521038	1.19	cps
Molybdenum	94-1	532186	538015	542987	537729	1.01	cps
Molybdenum	95-1	577050	589477	589520	585349	1.23	cps
Molybdenum	96-1	658049	665680	662775	662168	0.58	cps
Molybdenum	97-1	361577	367187	367994	365586	0.96	cps
Molybdenum	98-1	929153	952567	955476	945732	1.53	cps
Neodymium	150-1	65190	65783	65783	65586	0.52	cps
Neodymium	150-2	45942	45493	45336	45591	0.69	cps
Nickel	60-2	131138	129907	130221	130422	0.49	cps
Phosphorus	31-2	8449	8362	8062	8291	2.45	cps
Potassium	39-2	2425721	2418892	2399983	2414865	0.55	cps
Rhodium	103-1	6371554	6478175	6463613	6437781	0.90	cps
Rhodium	103-2	4254399	4145796	4162253	4187483	1.40	cps
Scandium	45-1	4238254	4258336	4218845	4238478	0.47	cps
Scandium	45-2	326039	322736	322272	323683	0.63	cps
Selenium	82-1	7313	7441	7387	7380	0.87	cps
Selenium	77-2	860	967	853	893	7.12	cps
Selenium	78-2	3290	3200	3224	3238	1.44	cps
Silicon	28-1	17995520	18074152	18326340	18132004	0.95	cps
Silver	107-1	75949	77575	78249	77257	1.53	cps
Silver	109-1	65467	67218	66512	66399	1.33	cps
Sodium	23-2	2868630	2826261	2828300	2841063	0.84	cps
Strontium	86-1	345959	355645	349693	350432	1.39	cps
Strontium	88-1	3407204	3545061	3473465	3475243	1.98	cps
Sulfur	34-1	1581994	1592293	1616716	1597001	1.12	cps
Terbium	159-1	7239022	7378197	7197787	7271668	1.30	cps
Terbium	159-2	5993938	5918360	5733857	5882052	2.27	cps
Thallium	203-1	243834	242564	246994	244464	0.93	cps
Thallium	205-1	572971	576989	581029	576996	0.70	cps
Tin	118-1	220905	223035	224695	222878	0.85	cps
Titanium	47-1	1903	1690	1750	1781	6.18	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:43:40	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	715012	720189	722525	719242	0.53	cps
Vanadium	51-2	165838	163439	162535	163937	1.04	cps
Yttrium	89-1	10833967	11126914	10901180	10954020	1.40	cps
Yttrium	89-2	3124083	3055614	3026890	3068862	1.63	cps
Zinc	66-2	438512	436588	433752	436284	0.55	cps
Zirconium	90-1	546337	555272	555202	552271	0.93	cps
Zirconium	91-1	121653	123827	123370	122950	0.93	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:46:47	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2312936	2323748	2259158	2298614	1.51	cps
Antimony	121-1	761	808	805	791	3.30	cps
Arsenic	75-2	2630	2610	2740	2660	2.63	cps
Barium	135-1	17891	18155	18345	18131	1.26	cps
Barium	137-1	31268	31024	31739	31344	1.16	cps
Beryllium	9-1	116	217	274	202	39.62	cps
Bismuth	209-1	4251892	4364755	4374932	4330526	1.58	cps
Bismuth	209-2	4449106	4497432	4496224	4480921	0.62	cps
Bromine	81-1	14387	14894	15799	15027	4.76	cps
Bromine	81-2	1193	1153	1180	1176	1.73	cps
Cadmium	108-1	113	167	130	137	19.96	cps
Cadmium	106-1	2734	2654	2754	2714	1.95	cps
Cadmium	111-1	3728	3631	3717	3692	1.43	cps
Calcium	43-1	466307	476342	480753	474468	1.56	cps
Calcium	44-1	8256657	8392791	8726884	8458777	2.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21772	21863	22390	22008	1.52	cps
Cobalt	59-2	153968	152403	151073	152482	0.95	cps
Copper	63-2	201885	204324	202367	202859	0.64	cps
Dysprosium	156-1	52635	54619	54304	53853	1.98	cps
Dysprosium	156-2	58578	58347	58940	58622	0.51	cps
Erbium	164-1	53710	54613	55065	54463	1.27	cps
Erbium	164-2	47173	46641	46818	46877	0.58	cps
Gadolinium	160-1	51852	51785	53154	52264	1.48	cps
Gadolinium	160-2	47704	47634	46637	47325	1.26	cps
Holmium	165-1	6918744	6876348	7047839	6947644	1.29	cps
Holmium	165-2	5952174	5739278	5964603	5885352	2.15	cps
Indium	115-1	6387181	6434838	6438745	6420255	0.45	cps
Indium	115-2	2562483	2527151	2565914	2551849	0.84	cps
Iron	56-2	6046947	6063094	5956416	6022152	0.95	cps
Iron	57-2	141348	141399	141591	141446	0.09	cps
Iron	54-2	297092	293446	296618	295719	0.67	cps
Krypton	83-1	653	703	633	663	5.44	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:46:47	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39320	39327	40383	39677	1.54	cps
Lead	207-1	31954	32405	32826	32395	1.35	cps
Lead	208-1	150074	151882	153310	151755	1.07	cps
Lithium	6-1	397351	398658	400443	398817	0.39	cps
Magnesium	24-2	1241719	1257828	1243263	1247603	0.71	cps
Manganese	55-2	5697672	5569321	5589828	5618940	1.23	cps
Molybdenum	94-1	1430	1307	1297	1345	5.52	cps
Molybdenum	95-1	410	543	483	479	13.94	cps
Molybdenum	96-1	627	683	640	650	4.56	cps
Molybdenum	97-1	350	397	403	383	7.58	cps
Molybdenum	98-1	607	617	523	582	8.80	cps
Neodymium	150-1	80263	82517	82262	81681	1.51	cps
Neodymium	150-2	59355	58458	58568	58793	0.83	cps
Nickel	60-2	49655	48739	49084	49160	0.94	cps
Phosphorus	31-2	9753	9186	9220	9386	3.39	cps
Potassium	39-2	1975218	1980185	1976690	1977364	0.13	cps
Rhodium	103-1	6413504	6570866	6499440	6494603	1.21	cps
Rhodium	103-2	4200940	4222906	4170025	4197957	0.63	cps
Scandium	45-1	4266366	4286812	4288116	4280431	0.28	cps
Scandium	45-2	327305	324087	326835	326076	0.53	cps
Selenium	82-1	383	263	347	331	18.62	cps
Selenium	77-2	233	243	273	250	8.33	cps
Selenium	78-2	687	703	740	710	3.84	cps
Silicon	28-1	23211211	23628144	23637821	23492392	1.04	cps
Silver	107-1	587	587	596	590	0.84	cps
Silver	109-1	277	290	297	288	3.54	cps
Sodium	23-2	553574	556252	556915	555581	0.32	cps
Strontium	86-1	159414	163868	162899	162060	1.45	cps
Strontium	88-1	1607767	1640556	1611021	1619781	1.12	cps
Sulfur	34-1	1710887	1719275	1729443	1719868	0.54	cps
Terbium	159-1	7323199	7215475	7135711	7224795	1.30	cps
Terbium	159-2	5885838	5969678	5897011	5917509	0.77	cps
Thallium	203-1	577	600	593	590	2.04	cps
Thallium	205-1	1447	1387	1567	1467	6.25	cps
Tin	118-1	1227	1363	1237	1276	5.97	cps
Titanium	47-1	1877	1823	1813	1838	1.85	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-04DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 19:46:47	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	31381	32042	33235	32219	2.92	cps
Vanadium	51-2	40655	40932	40852	40813	0.35	cps
Yttrium	89-1	11306676	11416633	11220144	11314484	0.87	cps
Yttrium	89-2	3159213	3102336	3186177	3149242	1.36	cps
Zinc	66-2	127718	126935	127285	127313	0.31	cps
Zirconium	90-1	3067	3064	3004	3045	1.17	cps
Zirconium	91-1	707	713	703	708	0.72	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:53:19	DataFile Name :	064CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8886698	8825908	8793360	8835322	0.54	cps
Antimony	121-1	3578899	3630396	3567652	3592315	0.93	cps
Arsenic	75-2	186625	183211	181245	183694	1.48	cps
Barium	135-1	3907482	3888357	3923733	3906524	0.45	cps
Barium	137-1	6609821	6776733	6827365	6737973	1.69	cps
Beryllium	9-1	353670	363212	365603	360828	1.75	cps
Bismuth	209-1	4200798	4303526	4271496	4258607	1.23	cps
Bismuth	209-2	4329354	4292891	4274764	4299003	0.65	cps
Bromine	81-1	11044	11621	11414	11360	2.57	cps
Bromine	81-2	210	297	207	238	21.46	cps
Cadmium	108-1	56406	58042	57296	57248	1.43	cps
Cadmium	106-1	80472	83536	83241	82416	2.05	cps
Cadmium	111-1	775737	797851	798621	790736	1.64	cps
Calcium	43-1	5403902	5426136	5383722	5404587	0.39	cps
Calcium	44-1	85057792	86516062	86966375	86180076	1.16	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1666001	1694893	1662337	1674410	1.07	cps
Cobalt	59-2	2669591	2602105	2581946	2617881	1.75	cps
Copper	63-2	19822605	19513207	19420424	19585412	1.08	cps
Dysprosium	156-1	197	197	207	200	2.89	cps
Dysprosium	156-2	300	283	287	290	3.04	cps
Erbium	164-1	420	373	357	383	8.56	cps
Erbium	164-2	287	300	320	302	5.55	cps
Gadolinium	160-1	260	223	227	237	8.57	cps
Gadolinium	160-2	413	350	483	416	16.05	cps
Holmium	165-1	7145746	7288700	7139551	7191332	1.17	cps
Holmium	165-2	5963002	5986887	5889895	5946595	0.85	cps
Indium	115-1	6403022	6358183	6351889	6371031	0.44	cps
Indium	115-2	2527821	2576378	2531617	2545272	1.06	cps
Iron	56-2	417059394	411025541	401010941	409698625	1.98	cps
Iron	57-2	10438958	10124074	10021612	10194881	2.13	cps
Iron	54-2	22415245	22113844	21792971	22107353	1.41	cps
Krypton	83-1	720	500	597	606	18.21	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:53:19	DataFile Name :	064CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11178769	11311811	11519699	11336760	1.52	cps
Lead	207-1	9697673	9973099	10001747	9890840	1.70	cps
Lead	208-1	45091692	46060092	46197646	45783143	1.32	cps
Lithium	6-1	417756	421647	420538	419980	0.48	cps
Magnesium	24-2	79067625	78445892	80175779	79229765	1.11	cps
Manganese	55-2	13041957	12941094	12856016	12946356	0.72	cps
Molybdenum	94-1	12329027	12639428	12372466	12446974	1.35	cps
Molybdenum	95-1	17973405	18302828	17953933	18076722	1.08	cps
Molybdenum	96-1	19525733	19913647	19845505	19761629	1.05	cps
Molybdenum	97-1	11041550	11161588	10929292	11044143	1.05	cps
Molybdenum	98-1	28241632	28813814	28412661	28489369	1.03	cps
Neodymium	150-1	180	197	147	174	14.59	cps
Neodymium	150-2	110	83	77	90	19.60	cps
Nickel	60-2	915280	898685	895416	903127	1.18	cps
Phosphorus	31-2	83889	83688	83107	83561	0.49	cps
Potassium	39-2	45876588	45288511	45462889	45542663	0.66	cps
Rhodium	103-1	6361168	6307813	6218597	6295859	1.14	cps
Rhodium	103-2	4153165	4070335	4021384	4081628	1.63	cps
Scandium	45-1	4368122	4475819	4311687	4385209	1.90	cps
Scandium	45-2	334473	333194	331062	332909	0.52	cps
Selenium	82-1	63703	64827	64732	64421	0.97	cps
Selenium	77-2	6865	6522	6588	6658	2.74	cps
Selenium	78-2	22617	22444	22454	22505	0.43	cps
Silicon	28-1	29356105	29234807	28937372	29176095	0.74	cps
Silver	107-1	4571398	4681849	4616320	4623189	1.20	cps
Silver	109-1	4381830	4332673	4253745	4322749	1.49	cps
Sodium	23-2	119992112	119752142	116437468	118727240	1.67	cps
Strontium	86-1	997618	1006038	1012829	1005495	0.76	cps
Strontium	88-1	10149445	10040542	9975539	10055175	0.87	cps
Sulfur	34-1	461224	457628	449361	456071	1.33	cps
Terbium	159-1	7347665	7516302	7556128	7473365	1.48	cps
Terbium	159-2	6065290	5957304	5984061	6002218	0.94	cps
Thallium	203-1	2786772	2818268	2805712	2803584	0.57	cps
Thallium	205-1	6555876	6767690	6719514	6681027	1.66	cps
Tin	118-1	2738562	2776835	2754338	2756578	0.70	cps
Titanium	47-1	5243307	5364529	5172085	5259974	1.85	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 19:53:19	DataFile Name :	064CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8363936	8431369	8559369	8451558	1.17	cps
Vanadium	51-2	1444225	1408078	1442759	1431687	1.43	cps
Yttrium	89-1	10386379	10362203	10435236	10394606	0.36	cps
Yttrium	89-2	2864702	2849965	2815013	2843226	0.90	cps
Zinc	66-2	3447854	3451277	3411226	3436786	0.65	cps
Zirconium	90-1	6275308	6345088	6364871	6328422	0.74	cps
Zirconium	91-1	1204498	1214254	1215714	1211488	0.50	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 20:03:27	DataFile Name :	065CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	333	320	267	307	11.50	cps
Antimony	121-1	248	255	264	256	3.21	cps
Arsenic	75-2	0	0	10	3	173.21	cps
Barium	135-1	20	37	43	33	36.05	cps
Barium	137-1	50	93	57	67	35.00	cps
Beryllium	9-1	11	4	4	6	64.02	cps
Bismuth	209-1	4378533	4294327	4272579	4315146	1.30	cps
Bismuth	209-2	4492853	4487067	4480615	4486845	0.14	cps
Bromine	81-1	10744	10771	10491	10668	1.45	cps
Bromine	81-2	257	293	217	256	15.01	cps
Cadmium	108-1	20	7	10	12	56.76	cps
Cadmium	106-1	2134	2067	2114	2105	1.63	cps
Cadmium	111-1	1496	1472	1502	1490	1.07	cps
Calcium	43-1	293	317	267	292	8.56	cps
Calcium	44-1	29699	29726	30147	29857	0.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2117	2030	2067	2071	2.10	cps
Cobalt	59-2	70	80	123	91	31.12	cps
Copper	63-2	3127	3337	3217	3227	3.27	cps
Dysprosium	156-1	3	10	0	4	114.60	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	33	43	43	40	14.43	cps
Erbium	164-2	30	27	40	32	21.53	cps
Gadolinium	160-1	50	27	50	42	31.90	cps
Gadolinium	160-2	320	193	277	263	24.45	cps
Holmium	165-1	6851223	6853396	6719307	6807976	1.13	cps
Holmium	165-2	5855620	5731901	5692993	5760171	1.47	cps
Indium	115-1	6167205	6206584	6227590	6200460	0.49	cps
Indium	115-2	2477398	2553203	2504832	2511811	1.53	cps
Iron	56-2	22437	22777	22600	22605	0.75	cps
Iron	57-2	1150	1407	1167	1241	11.57	cps
Iron	54-2	2494	2587	2407	2496	3.61	cps
Krypton	83-1	593	630	540	588	7.70	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 20:03:27	DataFile Name :	065CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	737	770	800	769	4.12	cps
Lead	207-1	730	567	667	654	12.58	cps
Lead	208-1	3138	3057	3038	3077	1.72	cps
Lithium	6-1	412914	412850	415778	413847	0.40	cps
Magnesium	24-2	637	597	617	617	3.24	cps
Manganese	55-2	713	730	717	720	1.22	cps
Molybdenum	94-1	387	423	440	417	6.55	cps
Molybdenum	95-1	450	370	410	410	9.76	cps
Molybdenum	96-1	410	503	440	451	10.56	cps
Molybdenum	97-1	317	260	353	310	15.17	cps
Molybdenum	98-1	613	587	597	599	2.25	cps
Neodymium	150-1	7	3	7	6	34.70	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	522	516	501	513	2.04	cps
Phosphorus	31-2	450	373	477	433	12.38	cps
Potassium	39-2	59616	59134	59201	59317	0.44	cps
Rhodium	103-1	6453665	6245687	6221264	6306872	2.02	cps
Rhodium	103-2	4160270	4145585	4059790	4121882	1.32	cps
Scandium	45-1	4213155	4124769	4183473	4173799	1.08	cps
Scandium	45-2	317735	318685	318080	318166	0.15	cps
Selenium	82-1	135	43	108	95	49.73	cps
Selenium	77-2	0	10	3	4	114.60	cps
Selenium	78-2	500	483	397	460	12.06	cps
Silicon	28-1	666203	667387	645919	659837	1.83	cps
Silver	107-1	111	74	111	98	21.43	cps
Silver	109-1	103	127	93	108	15.87	cps
Sodium	23-2	25645	25795	25241	25560	1.12	cps
Strontium	86-1	887	877	867	877	1.14	cps
Strontium	88-1	110	157	183	150	24.75	cps
Sulfur	34-1	178266	178354	177548	178056	0.25	cps
Terbium	159-1	7165810	7117328	7134246	7139128	0.34	cps
Terbium	159-2	5819049	5751132	5649079	5739753	1.49	cps
Thallium	203-1	303	333	267	301	11.09	cps
Thallium	205-1	717	623	640	660	7.54	cps
Tin	118-1	793	823	997	871	12.60	cps
Titanium	47-1	113	113	143	123	14.04	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 20:03:27	DataFile Name :	065CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67	73	50	63	18.98	cps
Vanadium	51-2	20	23	17	20	16.65	cps
Yttrium	89-1	9919147	9778689	9740070	9812635	0.96	cps
Yttrium	89-2	2758038	2761200	2705399	2741545	1.14	cps
Zinc	66-2	553	577	580	570	2.55	cps
Zirconium	90-1	567	517	633	572	10.23	cps
Zirconium	91-1	137	93	130	120	19.44	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2558-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:06:41	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1246658	1234175	1261505	1247446	1.10	cps
Antimony	121-1	265	281	312	286	8.39	cps
Arsenic	75-2	730	627	640	666	8.45	cps
Barium	135-1	20258	20532	20842	20544	1.42	cps
Barium	137-1	34572	36380	35040	35331	2.66	cps
Beryllium	9-1	24	12	-3	11	120.24	cps
Bismuth	209-1	4254951	4408002	4416639	4359864	2.09	cps
Bismuth	209-2	4487775	4437202	4479533	4468170	0.61	cps
Bromine	81-1	11421	12108	12575	12035	4.82	cps
Bromine	81-2	740	713	673	709	4.73	cps
Cadmium	108-1	40	37	57	44	24.11	cps
Cadmium	106-1	2337	2354	2387	2359	1.08	cps
Cadmium	111-1	2288	2375	2348	2337	1.91	cps
Calcium	43-1	214998	215413	215294	215235	0.10	cps
Calcium	44-1	3764153	3866692	3823520	3818122	1.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8983	8713	9023	8906	1.89	cps
Cobalt	59-2	24313	23518	23916	23916	1.66	cps
Copper	63-2	39763	39211	39947	39640	0.97	cps
Dysprosium	156-1	10904	10594	11148	10882	2.55	cps
Dysprosium	156-2	10060	10514	10180	10252	2.29	cps
Erbium	164-1	15075	15208	14965	15083	0.81	cps
Erbium	164-2	12973	13053	12709	12912	1.39	cps
Gadolinium	160-1	12039	12072	12139	12083	0.42	cps
Gadolinium	160-2	10958	10611	10794	10788	1.61	cps
Holmium	165-1	6770243	7045875	6800344	6872154	2.20	cps
Holmium	165-2	5930633	5764880	5812861	5836125	1.46	cps
Indium	115-1	6269239	6259151	6288389	6272260	0.24	cps
Indium	115-2	2478378	2509841	2516187	2501469	0.81	cps
Iron	56-2	6737391	6558597	6543140	6613043	1.63	cps
Iron	57-2	150307	146786	149392	148828	1.23	cps
Iron	54-2	326730	321846	324252	324276	0.75	cps
Krypton	83-1	570	547	553	557	2.16	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2558-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:06:41	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	40995	41747	41249	41331	0.93	cps
Lead	207-1	34464	35035	34968	34822	0.90	cps
Lead	208-1	159445	162796	161620	161287	1.05	cps
Lithium	6-1	416075	420757	417694	418175	0.57	cps
Magnesium	24-2	390463	389011	392301	390592	0.42	cps
Manganese	55-2	2519981	2478595	2467220	2488598	1.12	cps
Molybdenum	94-1	1347	1303	1413	1355	4.09	cps
Molybdenum	95-1	397	390	380	389	2.16	cps
Molybdenum	96-1	540	580	583	568	4.25	cps
Molybdenum	97-1	290	290	283	288	1.34	cps
Molybdenum	98-1	537	543	433	504	12.23	cps
Neodymium	150-1	13216	13296	12849	13121	1.82	cps
Neodymium	150-2	9253	9176	8976	9135	1.56	cps
Nickel	60-2	7702	7410	7341	7484	2.56	cps
Phosphorus	31-2	11775	11698	12165	11879	2.11	cps
Potassium	39-2	959839	970454	972943	967745	0.72	cps
Rhodium	103-1	6321253	6292286	6230844	6281461	0.73	cps
Rhodium	103-2	4148112	4140339	4154059	4147503	0.17	cps
Scandium	45-1	4130949	4215173	4137703	4161275	1.12	cps
Scandium	45-2	321188	318649	321195	320344	0.46	cps
Selenium	82-1	182	122	233	179	30.98	cps
Selenium	77-2	60	57	30	49	33.63	cps
Selenium	78-2	500	483	503	496	2.16	cps
Silicon	28-1	9171363	9113875	9115035	9133424	0.36	cps
Silver	107-1	164	175	168	169	3.30	cps
Silver	109-1	97	77	140	104	31.00	cps
Sodium	23-2	283352	281724	280916	281997	0.44	cps
Strontium	86-1	74035	74243	74045	74108	0.16	cps
Strontium	88-1	631877	640014	637621	636504	0.66	cps
Sulfur	34-1	1495211	1499099	1474052	1489454	0.90	cps
Terbium	159-1	7144686	7172100	7014543	7110443	1.18	cps
Terbium	159-2	5836173	5752484	5765440	5784699	0.78	cps
Thallium	203-1	420	447	380	416	8.07	cps
Thallium	205-1	1013	1037	1027	1026	1.14	cps
Tin	118-1	1327	1370	1383	1360	2.18	cps
Titanium	47-1	7355	7349	7125	7276	1.80	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2558-02DL2X10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-Denali-070925D	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:06:41	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3100	2860	3120	3027	4.78	cps
Vanadium	51-2	32769	32923	32201	32631	1.16	cps
Yttrium	89-1	10216545	10195417	9984144	10132035	1.27	cps
Yttrium	89-2	2818062	2837803	2883253	2846373	1.17	cps
Zinc	66-2	71048	70559	70817	70808	0.35	cps
Zirconium	90-1	3190	3080	3147	3139	1.77	cps
Zirconium	91-1	653	680	620	651	4.62	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2REX10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:10:25	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3476335	3382875	3415176	3424795	1.39	cps
Antimony	121-1	1298	1240	1280	1273	2.35	cps
Arsenic	75-2	4761	4814	4427	4667	4.49	cps
Barium	135-1	32694	32584	33610	32963	1.71	cps
Barium	137-1	56167	58015	57476	57219	1.66	cps
Beryllium	9-1	-932	-1179	-1108	-1073	-11.84	cps
Bismuth	209-1	4367003	4240237	4350207	4319149	1.59	cps
Bismuth	209-2	4490251	4454351	4385609	4443404	1.20	cps
Bromine	81-1	13857	15011	15612	14826	6.02	cps
Bromine	81-2	1533	1597	1483	1538	3.69	cps
Cadmium	108-1	213	213	170	199	12.58	cps
Cadmium	106-1	2800	2854	2917	2857	2.04	cps
Cadmium	111-1	4328	4382	4513	4408	2.16	cps
Calcium	43-1	950090	967622	972554	963422	1.23	cps
Calcium	44-1	16861725	17279028	17250945	17130566	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	31920	32074	32221	32072	0.47	cps
Cobalt	59-2	218032	216843	218448	217774	0.38	cps
Copper	63-2	293949	299484	293553	295662	1.12	cps
Dysprosium	156-1	79617	82521	81392	81177	1.80	cps
Dysprosium	156-2	86455	87628	86913	86999	0.68	cps
Erbium	164-1	80997	81838	83632	82156	1.64	cps
Erbium	164-2	68889	70755	70276	69973	1.38	cps
Gadolinium	160-1	77490	79521	79873	78961	1.63	cps
Gadolinium	160-2	69786	70286	70594	70222	0.58	cps
Holmium	165-1	6860068	6923033	6972654	6918585	0.82	cps
Holmium	165-2	6018570	5982027	5942966	5981188	0.63	cps
Indium	115-1	6220487	6257420	6282422	6253443	0.50	cps
Indium	115-2	2587999	2562077	2548710	2566262	0.78	cps
Iron	56-2	11521599	11593256	11422143	11512333	0.75	cps
Iron	57-2	268194	269877	268582	268884	0.33	cps
Iron	54-2	569259	559331	557124	561905	1.15	cps
Krypton	83-1	717	773	760	750	3.95	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2REX10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:10:25	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	67591	68746	69541	68626	1.43	cps
Lead	207-1	55637	56333	55932	55967	0.62	cps
Lead	208-1	258487	263643	264651	262260	1.26	cps
Lithium	6-1	413316	413690	408879	411962	0.65	cps
Magnesium	24-2	2078645	2077955	2091488	2082696	0.37	cps
Manganese	55-2	8073298	8051383	7869373	7998018	1.40	cps
Molybdenum	94-1	1273	1630	1430	1445	12.38	cps
Molybdenum	95-1	650	583	540	591	9.37	cps
Molybdenum	96-1	663	753	737	718	6.67	cps
Molybdenum	97-1	347	350	377	358	4.60	cps
Molybdenum	98-1	657	757	750	721	7.75	cps
Neodymium	150-1	122037	126164	125486	124562	1.78	cps
Neodymium	150-2	89392	89915	88567	89291	0.76	cps
Nickel	60-2	69560	69661	69295	69506	0.27	cps
Phosphorus	31-2	15848	16406	16446	16233	2.06	cps
Potassium	39-2	3084618	3041954	3054439	3060337	0.72	cps
Rhodium	103-1	6284075	6343991	6290883	6306316	0.52	cps
Rhodium	103-2	4174569	4192097	4312385	4226351	1.78	cps
Scandium	45-1	4133373	4227309	4153497	4171393	1.19	cps
Scandium	45-2	326327	323613	322494	324144	0.61	cps
Selenium	82-1	367	288	331	328	12.05	cps
Selenium	77-2	373	320	367	353	8.22	cps
Selenium	78-2	747	743	840	777	7.07	cps
Silicon	28-1	33135430	33138205	33885677	33386437	1.30	cps
Silver	107-1	699	710	720	710	1.47	cps
Silver	109-1	223	217	210	217	3.08	cps
Sodium	23-2	847524	843340	836320	842395	0.67	cps
Strontium	86-1	431001	439116	438172	436096	1.02	cps
Strontium	88-1	4281148	4425849	4453695	4386897	2.11	cps
Sulfur	34-1	2787120	2847452	2886228	2840267	1.76	cps
Terbium	159-1	7243134	7245368	7165998	7218167	0.63	cps
Terbium	159-2	5871812	5939747	5833112	5881557	0.92	cps
Thallium	203-1	833	867	840	847	2.08	cps
Thallium	205-1	2154	2147	2087	2129	1.72	cps
Tin	118-1	1233	1310	1460	1335	8.64	cps
Titanium	47-1	3070	2770	3000	2947	5.33	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL2REX10	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL2	Dilution Factor :	10
Date & Time Acquired :	2025-07-22 20:10:25	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	50921	50660	52005	51195	1.39	cps
Vanadium	51-2	62840	63349	62208	62799	0.91	cps
Yttrium	89-1	11418019	11577631	11735157	11576936	1.37	cps
Yttrium	89-2	3319837	3268421	3303861	3297373	0.80	cps
Zinc	66-2	199997	202512	202888	201799	0.78	cps
Zirconium	90-1	3134	3034	3094	3087	1.63	cps
Zirconium	91-1	713	750	717	727	2.79	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2REX1(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-22 20:13:35	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3002946	3008012	3031966	3014308	0.51	cps
Antimony	121-1	985	1029	1093	1035	5.26	cps
Arsenic	75-2	4197	4124	4174	4165	0.90	cps
Barium	135-1	27530	28596	28749	28292	2.35	cps
Barium	137-1	45937	48703	48917	47853	3.47	cps
Beryllium	9-1	-911	-1013	-927	-950	-5.74	cps
Bismuth	209-1	4375452	4307147	4322049	4334883	0.83	cps
Bismuth	209-2	4490647	4454267	4464590	4469835	0.42	cps
Bromine	81-1	15108	15925	16015	15683	3.19	cps
Bromine	81-2	1423	1463	1427	1438	1.54	cps
Cadmium	108-1	213	223	180	206	11.04	cps
Cadmium	106-1	2810	2737	2760	2769	1.35	cps
Cadmium	111-1	3961	4020	4143	4041	2.30	cps
Calcium	43-1	798704	824047	835059	819270	2.28	cps
Calcium	44-1	14346631	14760137	14911076	14672615	1.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27893	28260	28938	28363	1.87	cps
Cobalt	59-2	194379	194170	196729	195092	0.73	cps
Copper	63-2	259292	263610	264395	262432	1.05	cps
Dysprosium	156-1	66527	68101	70864	68498	3.21	cps
Dysprosium	156-2	76440	77036	77459	76978	0.66	cps
Erbium	164-1	65918	67945	70045	67969	3.04	cps
Erbium	164-2	61532	62251	62001	61928	0.59	cps
Gadolinium	160-1	63979	66353	68379	66237	3.33	cps
Gadolinium	160-2	61398	62469	62127	61998	0.88	cps
Holmium	165-1	6922633	7070276	7106744	7033218	1.39	cps
Holmium	165-2	6044420	5982732	5927964	5985038	0.97	cps
Indium	115-1	6334409	6353145	6371405	6352986	0.29	cps
Indium	115-2	2593419	2589223	2571402	2584681	0.45	cps
Iron	56-2	10177636	10195346	10153607	10175530	0.21	cps
Iron	57-2	237480	240342	240594	239472	0.72	cps
Iron	54-2	494638	497227	504660	498842	1.04	cps
Krypton	83-1	700	777	730	736	5.25	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2REX1(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-22 20:13:35	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	55496	56701	59332	57177	3.43	cps
Lead	207-1	44630	46801	48573	46668	4.23	cps
Lead	208-1	211623	218488	226882	218998	3.49	cps
Lithium	6-1	404550	406404	402064	404339	0.54	cps
Magnesium	24-2	1830239	1836264	1783952	1816819	1.58	cps
Manganese	55-2	7075929	6981938	7151457	7069775	1.20	cps
Molybdenum	94-1	1217	1193	1220	1210	1.20	cps
Molybdenum	95-1	570	573	633	592	6.02	cps
Molybdenum	96-1	713	653	633	667	6.24	cps
Molybdenum	97-1	283	310	360	318	12.25	cps
Molybdenum	98-1	637	760	767	721	10.15	cps
Neodymium	150-1	102413	106375	108505	105764	2.92	cps
Neodymium	150-2	78109	79058	79272	78813	0.79	cps
Nickel	60-2	61588	61623	62551	61920	0.88	cps
Phosphorus	31-2	14073	14110	14387	14190	1.21	cps
Potassium	39-2	2731644	2680680	2750891	2721072	1.33	cps
Rhodium	103-1	6408048	6584270	6461841	6484720	1.39	cps
Rhodium	103-2	4269084	4240416	4208028	4239176	0.72	cps
Scandium	45-1	4324412	4318596	4286939	4309982	0.47	cps
Scandium	45-2	328012	329670	329088	328923	0.26	cps
Selenium	82-1	342	256	248	282	18.45	cps
Selenium	77-2	297	300	347	314	8.89	cps
Selenium	78-2	790	860	743	798	7.36	cps
Silicon	28-1	27256100	28782855	28782614	28273857	3.12	cps
Silver	107-1	609	678	640	642	5.36	cps
Silver	109-1	153	170	163	162	5.17	cps
Sodium	23-2	745378	743645	760663	749896	1.25	cps
Strontium	86-1	358582	374503	382830	371972	3.31	cps
Strontium	88-1	3629372	3742821	3799185	3723793	2.32	cps
Sulfur	34-1	2353581	2486374	2428190	2422715	2.75	cps
Terbium	159-1	7224939	7517428	7189563	7310643	2.46	cps
Terbium	159-2	6026215	5900240	5963143	5963200	1.06	cps
Thallium	203-1	740	770	903	804	10.81	cps
Thallium	205-1	1863	1700	1777	1780	4.59	cps
Tin	118-1	1367	1250	1200	1272	6.72	cps
Titanium	47-1	2380	2497	2734	2537	7.10	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL2REX1(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	100
Date & Time Acquired :	2025-07-22 20:13:35	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	41562	42772	43308	42547	2.10	cps
Vanadium	51-2	55569	56324	56720	56204	1.04	cps
Yttrium	89-1	11780118	11767501	11479869	11675829	1.45	cps
Yttrium	89-2	3337900	3257841	3278837	3291526	1.26	cps
Zinc	66-2	178488	180785	179935	179736	0.65	cps
Zirconium	90-1	2557	2654	2747	2652	3.58	cps
Zirconium	91-1	497	613	593	568	10.99	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:25:31	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	628773	627637	633667	630026	0.51	cps
Antimony	121-1	303	315	342	320	6.28	cps
Arsenic	75-2	1010	977	1020	1002	2.26	cps
Barium	135-1	7035	6522	7209	6922	5.16	cps
Barium	137-1	12609	12566	11895	12357	3.24	cps
Beryllium	9-1	-99	-199	-213	-170	-36.57	cps
Bismuth	209-1	4235117	4269103	4370562	4291594	1.64	cps
Bismuth	209-2	4518181	4554727	4537932	4536947	0.40	cps
Bromine	81-1	11728	12138	12852	12240	4.65	cps
Bromine	81-2	530	513	527	523	1.69	cps
Cadmium	108-1	43	50	50	48	8.06	cps
Cadmium	106-1	2197	2194	2107	2166	2.36	cps
Cadmium	111-1	2041	2040	2043	2041	0.07	cps
Calcium	43-1	207230	213250	212711	211064	1.58	cps
Calcium	44-1	3796369	3752833	3779201	3776134	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8696	8633	8763	8697	0.75	cps
Cobalt	59-2	47960	47769	47204	47644	0.83	cps
Copper	63-2	68737	68178	66915	67943	1.37	cps
Dysprosium	156-1	17321	17388	17277	17329	0.32	cps
Dysprosium	156-2	18713	18806	18759	18759	0.25	cps
Erbium	164-1	16787	17354	17618	17253	2.46	cps
Erbium	164-2	14611	15142	14875	14876	1.78	cps
Gadolinium	160-1	16216	16764	16817	16599	2.00	cps
Gadolinium	160-2	15375	15412	15038	15275	1.35	cps
Holmium	165-1	6790488	6843617	6869924	6834676	0.59	cps
Holmium	165-2	6036642	5929031	5978900	5981524	0.90	cps
Indium	115-1	6484635	6314326	6413463	6404141	1.34	cps
Indium	115-2	2633727	2621363	2651273	2635454	0.57	cps
Iron	56-2	2537164	2528638	2477576	2514459	1.28	cps
Iron	57-2	59544	59865	59156	59522	0.60	cps
Iron	54-2	124718	124372	122635	123908	0.90	cps
Krypton	83-1	690	657	580	642	8.78	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:25:31	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14828	14555	14378	14587	1.56	cps
Lead	207-1	12202	11842	12032	12025	1.50	cps
Lead	208-1	56129	56934	56801	56621	0.76	cps
Lithium	6-1	395351	395175	404817	398448	1.38	cps
Magnesium	24-2	372387	380086	375872	376115	1.02	cps
Manganese	55-2	1743223	1760748	1721502	1741824	1.13	cps
Molybdenum	94-1	570	577	537	561	3.82	cps
Molybdenum	95-1	333	303	303	313	5.53	cps
Molybdenum	96-1	413	397	393	401	2.67	cps
Molybdenum	97-1	260	310	253	274	11.29	cps
Molybdenum	98-1	540	453	410	468	14.15	cps
Neodymium	150-1	25997	26321	27427	26582	2.82	cps
Neodymium	150-2	19013	19197	18662	18957	1.43	cps
Nickel	60-2	15585	15566	15558	15570	0.09	cps
Phosphorus	31-2	3794	3707	3827	3776	1.64	cps
Potassium	39-2	644035	647724	640734	644164	0.54	cps
Rhodium	103-1	6592569	6618448	6456244	6555754	1.33	cps
Rhodium	103-2	4354967	4304438	4327562	4328989	0.58	cps
Scandium	45-1	4288480	4217443	4302943	4269622	1.07	cps
Scandium	45-2	333922	336210	337797	335976	0.58	cps
Selenium	82-1	70	166	227	154	51.27	cps
Selenium	77-2	33	57	93	61	49.49	cps
Selenium	78-2	587	627	603	606	3.32	cps
Silicon	28-1	8116615	7944419	7883105	7981379	1.52	cps
Silver	107-1	227	209	225	220	4.38	cps
Silver	109-1	87	73	67	76	13.48	cps
Sodium	23-2	203104	205668	205755	204843	0.74	cps
Strontium	86-1	94608	94138	94551	94433	0.27	cps
Strontium	88-1	803444	838347	828802	823531	2.19	cps
Sulfur	34-1	633207	640690	634036	635978	0.65	cps
Terbium	159-1	7341337	7133363	7074591	7183097	1.95	cps
Terbium	159-2	6014198	6087165	5929101	6010155	1.32	cps
Thallium	203-1	363	383	373	373	2.68	cps
Thallium	205-1	757	867	883	836	8.24	cps
Tin	118-1	1300	1393	1297	1330	4.13	cps
Titanium	47-1	810	757	833	800	4.91	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:25:31	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10337	10571	10124	10344	2.16	cps
Vanadium	51-2	13680	13536	13660	13625	0.57	cps
Yttrium	89-1	10512833	10761097	10890274	10721401	1.79	cps
Yttrium	89-2	3042084	3023548	2989852	3018495	0.88	cps
Zinc	66-2	45700	46285	44887	45624	1.54	cps
Zirconium	90-1	960	1020	1050	1010	4.54	cps
Zirconium	91-1	227	220	250	232	6.79	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3REX5(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:28:45	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	648978	646425	640451	645285	0.68	cps
Antimony	121-1	322	315	310	316	1.90	cps
Arsenic	75-2	1053	1120	1097	1090	3.10	cps
Barium	135-1	7232	7125	7179	7179	0.74	cps
Barium	137-1	12482	12749	12109	12447	2.59	cps
Beryllium	9-1	-182	-159	-262	-201	-27.12	cps
Bismuth	209-1	4354203	4208020	4280092	4280772	1.71	cps
Bismuth	209-2	4676373	4450709	4565445	4564176	2.47	cps
Bromine	81-1	12449	12575	13006	12677	2.30	cps
Bromine	81-2	523	527	513	521	1.33	cps
Cadmium	108-1	33	47	33	38	20.39	cps
Cadmium	106-1	2457	2517	2377	2450	2.87	cps
Cadmium	111-1	2300	2299	2224	2274	1.92	cps
Calcium	43-1	217476	215847	216713	216679	0.38	cps
Calcium	44-1	3767435	3770718	3901637	3813263	2.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9320	9346	9330	9332	0.14	cps
Cobalt	59-2	48492	48331	48612	48478	0.29	cps
Copper	63-2	67753	68181	67307	67747	0.65	cps
Dysprosium	156-1	17748	17468	17398	17538	1.06	cps
Dysprosium	156-2	19113	19033	18572	18906	1.54	cps
Erbium	164-1	17147	17468	17398	17338	0.97	cps
Erbium	164-2	15449	15559	15212	15406	1.15	cps
Gadolinium	160-1	16780	17231	17111	17040	1.37	cps
Gadolinium	160-2	15268	15452	15125	15282	1.07	cps
Holmium	165-1	6699176	6998580	6856256	6851337	2.19	cps
Holmium	165-2	6041160	5951754	5980444	5991120	0.76	cps
Indium	115-1	6323577	6425358	6284832	6344589	1.14	cps
Indium	115-2	2629001	2674783	2665210	2656331	0.91	cps
Iron	56-2	2577063	2563722	2627098	2589294	1.29	cps
Iron	57-2	59554	60893	59842	60096	1.17	cps
Iron	54-2	128224	127058	126466	127249	0.70	cps
Krypton	83-1	547	647	597	597	8.38	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3REX5(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:28:45	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14598	14611	14845	14685	0.95	cps
Lead	207-1	12462	12536	12462	12487	0.34	cps
Lead	208-1	57306	57837	58169	57771	0.75	cps
Lithium	6-1	393532	386872	396987	392464	1.31	cps
Magnesium	24-2	376641	382831	380015	379829	0.82	cps
Manganese	55-2	1746951	1803960	1783446	1778119	1.62	cps
Molybdenum	94-1	550	593	527	557	6.08	cps
Molybdenum	95-1	317	300	370	329	11.12	cps
Molybdenum	96-1	387	377	347	370	5.63	cps
Molybdenum	97-1	297	227	307	277	15.75	cps
Molybdenum	98-1	430	447	467	448	4.10	cps
Neodymium	150-1	26836	27327	27330	27164	1.05	cps
Neodymium	150-2	19901	19053	18706	19220	3.20	cps
Nickel	60-2	15886	16217	15930	16011	1.12	cps
Phosphorus	31-2	3740	3914	3874	3843	2.36	cps
Potassium	39-2	655243	661398	653181	656607	0.65	cps
Rhodium	103-1	6587849	6641800	6659082	6629577	0.56	cps
Rhodium	103-2	4379811	4326965	4306192	4337656	0.88	cps
Scandium	45-1	4285355	4351865	4328042	4321754	0.78	cps
Scandium	45-2	341082	338874	339881	339945	0.33	cps
Selenium	82-1	204	162	207	191	13.21	cps
Selenium	77-2	70	77	90	79	12.91	cps
Selenium	78-2	633	620	647	633	2.11	cps
Silicon	28-1	8022011	8245442	8077445	8114966	1.43	cps
Silver	107-1	195	199	227	207	8.44	cps
Silver	109-1	83	70	57	70	19.04	cps
Sodium	23-2	203260	202233	203550	203015	0.34	cps
Strontium	86-1	96340	97762	98299	97467	1.04	cps
Strontium	88-1	846152	846905	857098	850052	0.72	cps
Sulfur	34-1	653211	654650	646944	651602	0.63	cps
Terbium	159-1	7276388	7431204	7141625	7283072	1.99	cps
Terbium	159-2	6057066	6027961	6044598	6043208	0.24	cps
Thallium	203-1	367	400	413	393	6.11	cps
Thallium	205-1	943	850	790	861	8.97	cps
Tin	118-1	1303	1217	1383	1301	6.41	cps
Titanium	47-1	690	737	687	704	3.97	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3REX5(	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:28:45	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10784	10931	11021	10912	1.10	cps
Vanadium	51-2	14093	13830	14000	13974	0.96	cps
Yttrium	89-1	10636712	10629621	10677174	10647836	0.24	cps
Yttrium	89-2	3088593	3057962	3059869	3068808	0.56	cps
Zinc	66-2	46282	45436	46081	45933	0.96	cps
Zirconium	90-1	993	990	1050	1011	3.33	cps
Zirconium	91-1	253	240	353	282	21.96	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3REX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 20:32:00	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	129486	130682	132033	130733	0.97	cps
Antimony	121-1	87	96	143	109	28.08	cps
Arsenic	75-2	193	227	247	222	12.12	cps
Barium	135-1	1413	1537	1450	1467	4.32	cps
Barium	137-1	2434	2507	2724	2555	5.90	cps
Beryllium	9-1	-42	-23	-47	-37	-34.95	cps
Bismuth	209-1	4209560	4213160	4250747	4224489	0.54	cps
Bismuth	209-2	4544800	4582969	4533957	4553908	0.57	cps
Bromine	81-1	11848	11928	12385	12054	2.40	cps
Bromine	81-2	260	243	250	251	3.34	cps
Cadmium	108-1	17	27	10	18	47.19	cps
Cadmium	106-1	2380	2184	2230	2265	4.54	cps
Cadmium	111-1	1821	1600	1687	1703	6.55	cps
Calcium	43-1	43967	44071	44131	44056	0.19	cps
Calcium	44-1	735320	737094	732720	735044	0.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3734	3610	3627	3657	1.83	cps
Cobalt	59-2	10317	9927	9807	10017	2.66	cps
Copper	63-2	16606	16429	16216	16417	1.19	cps
Dysprosium	156-1	3527	3210	3507	3415	5.19	cps
Dysprosium	156-2	3837	3827	3934	3866	1.52	cps
Erbium	164-1	3454	3801	3507	3587	5.21	cps
Erbium	164-2	3274	2980	3164	3139	4.72	cps
Gadolinium	160-1	3340	3330	3214	3295	2.14	cps
Gadolinium	160-2	3337	3404	3417	3386	1.27	cps
Holmium	165-1	6982414	6843026	6843846	6889762	1.16	cps
Holmium	165-2	5939249	5986964	5877580	5934598	0.92	cps
Indium	115-1	6435716	6350606	6418134	6401486	0.70	cps
Indium	115-2	2689174	2695179	2651091	2678482	0.89	cps
Iron	56-2	484794	475481	480681	480318	0.97	cps
Iron	57-2	13700	13356	13419	13492	1.36	cps
Iron	54-2	27909	26984	27659	27517	1.74	cps
Krypton	83-1	670	547	537	584	12.71	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3REX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 20:32:00	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3534	3561	3384	3493	2.73	cps
Lead	207-1	2950	2974	2947	2957	0.49	cps
Lead	208-1	13812	13545	13764	13707	1.04	cps
Lithium	6-1	389121	391458	390280	390286	0.30	cps
Magnesium	24-2	76647	77364	76476	76829	0.61	cps
Manganese	55-2	325856	316176	316627	319553	1.71	cps
Molybdenum	94-1	380	427	277	361	21.26	cps
Molybdenum	95-1	277	233	200	237	16.24	cps
Molybdenum	96-1	313	290	327	310	5.99	cps
Molybdenum	97-1	263	280	250	264	5.69	cps
Molybdenum	98-1	407	347	410	388	9.19	cps
Neodymium	150-1	5278	5298	5228	5268	0.68	cps
Neodymium	150-2	4087	3914	4001	4001	2.17	cps
Nickel	60-2	3815	3748	3664	3742	2.03	cps
Phosphorus	31-2	1133	1060	1113	1102	3.44	cps
Potassium	39-2	182251	183307	183745	183101	0.42	cps
Rhodium	103-1	6457630	6630150	6635554	6574445	1.54	cps
Rhodium	103-2	4424831	4364529	4414076	4401146	0.73	cps
Scandium	45-1	4308941	4404488	4328728	4347386	1.16	cps
Scandium	45-2	340330	338096	337339	338588	0.46	cps
Selenium	82-1	45	218	174	146	61.51	cps
Selenium	77-2	13	10	13	12	15.73	cps
Selenium	78-2	580	563	510	551	6.63	cps
Silicon	28-1	2528547	2576889	2525427	2543621	1.13	cps
Silver	107-1	105	95	155	118	27.36	cps
Silver	109-1	90	57	30	59	51.05	cps
Sodium	23-2	60445	61409	61549	61134	0.98	cps
Strontium	86-1	20247	20898	20334	20493	1.72	cps
Strontium	88-1	169070	169156	171318	169848	0.75	cps
Sulfur	34-1	261079	262815	260151	261348	0.52	cps
Terbium	159-1	7016064	7061729	7125083	7067625	0.77	cps
Terbium	159-2	6018686	5951539	5921083	5963769	0.84	cps
Thallium	203-1	233	263	257	251	6.27	cps
Thallium	205-1	570	567	677	604	10.35	cps
Tin	118-1	1277	1353	1243	1291	4.37	cps
Titanium	47-1	267	243	233	248	6.90	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3REX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 20:32:00	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2164	2127	2174	2155	1.14	cps
Vanadium	51-2	2820	2820	2864	2835	0.88	cps
Yttrium	89-1	10406120	10250306	10465688	10374038	1.07	cps
Yttrium	89-2	3042556	2989624	3010963	3014381	0.88	cps
Zinc	66-2	10394	9920	10240	10185	2.37	cps
Zirconium	90-1	507	520	520	516	1.49	cps
Zirconium	91-1	80	73	137	97	36.00	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:35:15	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22300	22200	21829	22109	1.12	cps
Antimony	121-1	3911	4150	3987	4016	3.04	cps
Arsenic	75-2	377	333	360	357	6.13	cps
Barium	135-1	4337	4331	4544	4404	2.75	cps
Barium	137-1	7302	7435	7649	7462	2.34	cps
Beryllium	9-1	499	546	406	483	14.76	cps
Bismuth	209-1	4281944	4236720	4158966	4225877	1.47	cps
Bismuth	209-2	4674875	4420240	4549149	4548088	2.80	cps
Bromine	81-1	11892	11655	11681	11743	1.10	cps
Bromine	81-2	223	217	217	219	1.76	cps
Cadmium	108-1	93	97	97	96	2.02	cps
Cadmium	106-1	2507	2460	2264	2410	5.36	cps
Cadmium	111-1	2733	2788	2524	2681	5.20	cps
Calcium	43-1	8486	8266	8536	8429	1.71	cps
Calcium	44-1	160251	162056	160992	161100	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4437	4264	4494	4398	2.73	cps
Cobalt	59-2	4844	4841	4751	4812	1.10	cps
Copper	63-2	28507	28828	28147	28494	1.20	cps
Dysprosium	156-1	493	570	547	537	7.32	cps
Dysprosium	156-2	617	533	587	579	7.29	cps
Erbium	164-1	527	557	510	531	4.45	cps
Erbium	164-2	480	513	490	494	3.46	cps
Gadolinium	160-1	520	640	587	582	10.33	cps
Gadolinium	160-2	700	767	780	749	5.72	cps
Holmium	165-1	6970004	6811801	6874785	6885530	1.16	cps
Holmium	165-2	5974153	5906442	5950325	5943640	0.58	cps
Indium	115-1	6516644	6518315	6489809	6508256	0.25	cps
Indium	115-2	2733762	2693967	2684087	2703939	0.97	cps
Iron	56-2	180411	179374	178685	179490	0.48	cps
Iron	57-2	5218	5318	5324	5287	1.13	cps
Iron	54-2	11291	11621	11071	11328	2.45	cps
Krypton	83-1	607	460	640	569	16.83	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:35:15	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13724	13700	13060	13495	2.79	cps
Lead	207-1	11718	11712	11882	11771	0.82	cps
Lead	208-1	54233	54731	53783	54249	0.87	cps
Lithium	6-1	398923	396444	395129	396832	0.49	cps
Magnesium	24-2	29899	29672	28961	29511	1.66	cps
Manganese	55-2	71891	71637	71968	71832	0.24	cps
Molybdenum	94-1	7409	7485	7172	7355	2.22	cps
Molybdenum	95-1	7912	8259	7896	8022	2.56	cps
Molybdenum	96-1	8846	9273	8969	9030	2.43	cps
Molybdenum	97-1	4948	5028	4954	4976	0.89	cps
Molybdenum	98-1	12502	12996	12819	12772	1.96	cps
Neodymium	150-1	777	800	757	778	2.79	cps
Neodymium	150-2	603	553	660	606	8.81	cps
Nickel	60-2	2295	2391	2290	2325	2.45	cps
Phosphorus	31-2	577	453	427	486	16.48	cps
Potassium	39-2	92257	92401	91949	92202	0.25	cps
Rhodium	103-1	6686996	6763334	6579147	6676492	1.39	cps
Rhodium	103-2	4459413	4414304	4384460	4419392	0.85	cps
Scandium	45-1	4315373	4427962	4316326	4353220	1.49	cps
Scandium	45-2	341686	341769	340529	341328	0.20	cps
Selenium	82-1	260	349	203	271	27.04	cps
Selenium	77-2	7	17	20	14	48.02	cps
Selenium	78-2	530	510	630	557	11.55	cps
Silicon	28-1	1329344	1332354	1328148	1329949	0.16	cps
Silver	107-1	1024	1125	1003	1050	6.20	cps
Silver	109-1	923	1030	930	961	6.22	cps
Sodium	23-2	56971	57540	57360	57290	0.51	cps
Strontium	86-1	5454	5624	5604	5561	1.67	cps
Strontium	88-1	40626	40386	40459	40490	0.30	cps
Sulfur	34-1	177649	178975	176139	177587	0.80	cps
Terbium	159-1	7177377	7165416	7159670	7167487	0.13	cps
Terbium	159-2	5942808	5993355	5897536	5944566	0.81	cps
Thallium	203-1	3290	3290	3347	3309	0.99	cps
Thallium	205-1	7846	7896	7776	7839	0.77	cps
Tin	118-1	4051	4241	4161	4151	2.30	cps
Titanium	47-1	180	153	167	167	8.00	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:35:15	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8690	8469	8973	8711	2.90	cps
Vanadium	51-2	2114	2207	2204	2175	2.43	cps
Yttrium	89-1	10680744	10357850	10588230	10542275	1.58	cps
Yttrium	89-2	2982630	2964046	2987064	2977913	0.41	cps
Zinc	66-2	6488	6632	6565	6561	1.09	cps
Zirconium	90-1	7585	7439	7775	7600	2.22	cps
Zirconium	91-1	1613	1707	1653	1658	2.82	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3REX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:38:33	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	27274	26199	27178	26884	2.21	cps
Antimony	121-1	4903	4887	5046	4946	1.77	cps
Arsenic	75-2	420	437	480	446	6.95	cps
Barium	135-1	5461	4878	5261	5200	5.70	cps
Barium	137-1	9043	8903	8916	8954	0.86	cps
Beryllium	9-1	592	548	538	559	5.06	cps
Bismuth	209-1	4230081	4178113	4242422	4216872	0.81	cps
Bismuth	209-2	4601637	4530668	4573416	4568574	0.78	cps
Bromine	81-1	11244	11545	11585	11458	1.62	cps
Bromine	81-2	170	167	217	184	15.16	cps
Cadmium	108-1	143	80	97	107	30.78	cps
Cadmium	106-1	2450	2350	2454	2418	2.43	cps
Cadmium	111-1	2818	2939	2867	2875	2.12	cps
Calcium	43-1	9960	10077	9993	10010	0.60	cps
Calcium	44-1	187005	188154	187876	187678	0.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4924	4971	5138	5011	2.24	cps
Cobalt	59-2	5978	6045	5851	5958	1.65	cps
Copper	63-2	34189	33955	33865	34003	0.49	cps
Dysprosium	156-1	650	623	647	640	2.27	cps
Dysprosium	156-2	673	753	760	729	6.62	cps
Erbium	164-1	687	653	597	646	7.05	cps
Erbium	164-2	633	633	580	616	5.00	cps
Gadolinium	160-1	630	663	627	640	3.17	cps
Gadolinium	160-2	800	837	940	859	8.45	cps
Holmium	165-1	6831359	6787743	6814851	6811318	0.32	cps
Holmium	165-2	6021868	5917174	5864885	5934642	1.35	cps
Indium	115-1	6441636	6496833	6515713	6484727	0.59	cps
Indium	115-2	2701856	2709295	2671340	2694164	0.75	cps
Iron	56-2	219288	217449	215603	217447	0.85	cps
Iron	57-2	6385	6498	6111	6331	3.14	cps
Iron	54-2	13513	13206	13750	13489	2.02	cps
Krypton	83-1	547	650	547	581	10.27	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3REX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:38:33	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16070	15883	16193	16048	0.97	cps
Lead	207-1	14137	14007	14204	14116	0.71	cps
Lead	208-1	64586	65405	64986	64992	0.63	cps
Lithium	6-1	392952	394695	393337	393661	0.23	cps
Magnesium	24-2	36353	36012	35731	36032	0.86	cps
Manganese	55-2	86896	86048	85831	86258	0.65	cps
Molybdenum	94-1	8963	8893	8743	8866	1.27	cps
Molybdenum	95-1	9890	9813	9640	9781	1.31	cps
Molybdenum	96-1	10731	10897	11021	10883	1.34	cps
Molybdenum	97-1	5955	5858	5958	5923	0.96	cps
Molybdenum	98-1	15245	15352	15558	15385	1.04	cps
Neodymium	150-1	987	1027	1053	1022	3.28	cps
Neodymium	150-2	737	663	747	716	6.36	cps
Nickel	60-2	2774	2752	2612	2713	3.24	cps
Phosphorus	31-2	510	567	433	503	13.30	cps
Potassium	39-2	98563	98187	98613	98454	0.24	cps
Rhodium	103-1	6640589	6519388	6662924	6607634	1.17	cps
Rhodium	103-2	4471694	4343967	4427954	4414538	1.47	cps
Scandium	45-1	4321889	4428298	4290190	4346792	1.66	cps
Scandium	45-2	345450	342184	340053	342562	0.79	cps
Selenium	82-1	310	199	326	278	24.84	cps
Selenium	77-2	13	20	10	14	35.26	cps
Selenium	78-2	503	563	627	564	10.93	cps
Silicon	28-1	1398348	1377225	1370763	1382112	1.04	cps
Silver	107-1	1235	1220	1288	1247	2.86	cps
Silver	109-1	1040	1173	1090	1101	6.12	cps
Sodium	23-2	64886	64578	64628	64697	0.26	cps
Strontium	86-1	6388	6441	6598	6476	1.69	cps
Strontium	88-1	49182	49754	49118	49352	0.71	cps
Sulfur	34-1	181810	180803	183022	181878	0.61	cps
Terbium	159-1	6966642	7169152	7061241	7065679	1.43	cps
Terbium	159-2	5967349	5924369	5926397	5939372	0.41	cps
Thallium	203-1	4014	3967	4007	3996	0.63	cps
Thallium	205-1	9467	9373	9453	9431	0.54	cps
Tin	118-1	4734	5718	4607	5020	12.11	cps
Titanium	47-1	157	157	163	159	2.42	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3REX5	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:38:33	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10781	10668	11115	10855	2.14	cps
Vanadium	51-2	2620	2624	2590	2611	0.70	cps
Yttrium	89-1	10469389	10300125	10491217	10420244	1.00	cps
Yttrium	89-2	2915156	2915466	2977674	2936099	1.23	cps
Zinc	66-2	8442	8136	7882	8153	3.44	cps
Zirconium	90-1	8816	9053	9140	9003	1.86	cps
Zirconium	91-1	2003	1927	1943	1958	2.06	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:41:50	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	28236	28737	28897	28623	1.20	cps
Antimony	121-1	4894	5278	5052	5075	3.80	cps
Arsenic	75-2	427	493	467	462	7.26	cps
Barium	135-1	5738	5578	5214	5510	4.87	cps
Barium	137-1	9547	9383	9673	9534	1.53	cps
Beryllium	9-1	657	611	584	617	6.02	cps
Bismuth	209-1	4141359	4197135	4187021	4175172	0.71	cps
Bismuth	209-2	4526735	4563406	4518639	4536260	0.53	cps
Bromine	81-1	11458	11852	11688	11666	1.70	cps
Bromine	81-2	270	183	190	214	22.49	cps
Cadmium	108-1	133	120	127	127	5.27	cps
Cadmium	106-1	2490	2340	2530	2454	4.08	cps
Cadmium	111-1	3000	2864	3213	3026	5.80	cps
Calcium	43-1	10570	10580	10467	10539	0.60	cps
Calcium	44-1	197311	199466	198928	198568	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5018	5041	5041	5033	0.27	cps
Cobalt	59-2	6258	6081	6388	6242	2.47	cps
Copper	63-2	36227	36748	36772	36583	0.84	cps
Dysprosium	156-1	727	790	660	726	8.96	cps
Dysprosium	156-2	847	723	687	752	11.14	cps
Erbium	164-1	717	730	737	728	1.40	cps
Erbium	164-2	713	607	693	671	8.45	cps
Gadolinium	160-1	640	697	783	707	10.22	cps
Gadolinium	160-2	927	807	927	887	7.81	cps
Holmium	165-1	6871449	6706363	6749579	6775797	1.26	cps
Holmium	165-2	5881164	5971447	5951640	5934750	0.80	cps
Indium	115-1	6311017	6412120	6427741	6383626	0.99	cps
Indium	115-2	2734315	2684098	2665591	2694668	1.32	cps
Iron	56-2	229695	228649	227911	228752	0.39	cps
Iron	57-2	6491	6652	6491	6545	1.41	cps
Iron	54-2	13977	14223	13650	13950	2.06	cps
Krypton	83-1	540	613	563	572	6.55	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:41:50	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	17124	17027	17007	17053	0.37	cps
Lead	207-1	14578	14972	15149	14899	1.96	cps
Lead	208-1	68095	69858	68953	68969	1.28	cps
Lithium	6-1	390467	390957	396245	392556	0.82	cps
Magnesium	24-2	38756	39223	37796	38592	1.88	cps
Manganese	55-2	90212	90852	91426	90830	0.67	cps
Molybdenum	94-1	9053	9466	9613	9378	3.10	cps
Molybdenum	95-1	9877	10350	10200	10142	2.39	cps
Molybdenum	96-1	11288	11491	11398	11392	0.89	cps
Molybdenum	97-1	6478	6175	6351	6335	2.41	cps
Molybdenum	98-1	16222	16326	16413	16320	0.58	cps
Neodymium	150-1	1140	1180	1013	1111	7.83	cps
Neodymium	150-2	787	853	777	806	5.17	cps
Nickel	60-2	2961	2880	2687	2843	4.96	cps
Phosphorus	31-2	480	480	473	478	0.80	cps
Potassium	39-2	100730	100750	100117	100532	0.36	cps
Rhodium	103-1	6572006	6512300	6750754	6611687	1.88	cps
Rhodium	103-2	4399338	4389478	4397759	4395525	0.12	cps
Scandium	45-1	4360288	4369299	4371121	4366902	0.13	cps
Scandium	45-2	338509	342365	341263	340713	0.58	cps
Selenium	82-1	298	231	287	272	13.24	cps
Selenium	77-2	17	7	17	13	43.29	cps
Selenium	78-2	603	613	610	609	0.84	cps
Silicon	28-1	1393261	1388986	1427616	1403287	1.51	cps
Silver	107-1	1148	1424	1351	1308	10.91	cps
Silver	109-1	1003	1113	1017	1044	5.75	cps
Sodium	23-2	66523	66707	65927	66386	0.61	cps
Strontium	86-1	6995	6802	6985	6927	1.57	cps
Strontium	88-1	51493	51808	51931	51744	0.44	cps
Sulfur	34-1	183440	183919	183443	183600	0.15	cps
Terbium	159-1	6915475	7078178	7161454	7051702	1.77	cps
Terbium	159-2	6013297	5994388	5978033	5995239	0.29	cps
Thallium	203-1	4087	4237	4034	4120	2.56	cps
Thallium	205-1	9780	9764	10117	9887	2.02	cps
Tin	118-1	4831	4848	5148	4942	3.61	cps
Titanium	47-1	143	93	117	118	21.25	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3REX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 20:41:50	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11161	11362	11405	11309	1.15	cps
Vanadium	51-2	2707	3034	2937	2893	5.80	cps
Yttrium	89-1	10310379	10408044	10349275	10355900	0.47	cps
Yttrium	89-2	2974121	2946114	2993471	2971235	0.80	cps
Zinc	66-2	8876	8496	8442	8605	2.75	cps
Zirconium	90-1	9360	9196	9343	9300	0.97	cps
Zirconium	91-1	2097	2170	2007	2091	3.91	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:02:55	DataFile Name :	076CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9107173	8971606	9033813	9037531	0.75	cps
Antimony	121-1	3275144	3344693	3430461	3350099	2.32	cps
Arsenic	75-2	183818	180390	180880	181696	1.02	cps
Barium	135-1	3715972	3872659	3874280	3820970	2.38	cps
Barium	137-1	6507507	6617504	6644202	6589738	1.10	cps
Beryllium	9-1	370621	375301	377198	374373	0.90	cps
Bismuth	209-1	4219612	4377263	4308209	4301695	1.84	cps
Bismuth	209-2	4324692	4199695	4261965	4262117	1.47	cps
Bromine	81-1	10057	10214	10127	10132	0.77	cps
Bromine	81-2	137	217	140	164	27.52	cps
Cadmium	108-1	54208	56306	57266	55926	2.80	cps
Cadmium	106-1	78179	80344	79463	79329	1.37	cps
Cadmium	111-1	750603	766830	777316	764916	1.76	cps
Calcium	43-1	5184019	5310521	5254396	5249645	1.21	cps
Calcium	44-1	82138005	83700400	84246912	83361773	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1679966	1672126	1664127	1672073	0.47	cps
Cobalt	59-2	2577734	2559599	2565836	2567723	0.36	cps
Copper	63-2	18822659	19058963	19330028	19070550	1.33	cps
Dysprosium	156-1	147	190	170	169	12.84	cps
Dysprosium	156-2	277	280	273	277	1.21	cps
Erbium	164-1	310	430	337	359	17.56	cps
Erbium	164-2	273	320	307	300	8.01	cps
Gadolinium	160-1	197	197	167	187	9.28	cps
Gadolinium	160-2	353	393	417	388	8.26	cps
Holmium	165-1	7009026	7124053	7193061	7108713	1.31	cps
Holmium	165-2	5987917	5825062	5941651	5918210	1.42	cps
Indium	115-1	6249165	6167707	6181963	6199612	0.70	cps
Indium	115-2	2536916	2511052	2485555	2511174	1.02	cps
Iron	56-2	406576047	406341021	406464354	406460474	0.03	cps
Iron	57-2	10033711	10009529	10120639	10054626	0.58	cps
Iron	54-2	22231897	21971375	22137760	22113677	0.60	cps
Krypton	83-1	520	483	493	499	3.80	cps

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:02:55	DataFile Name :	076CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11162580	11310265	11276509	11249785	0.69	cps
Lead	207-1	9780618	9830422	9852816	9821285	0.38	cps
Lead	208-1	44952391	46043279	45756585	45584085	1.24	cps
Lithium	6-1	434566	433890	441162	436539	0.92	cps
Magnesium	24-2	80999374	79345402	79651515	79998764	1.10	cps
Manganese	55-2	12933571	12656533	12745124	12778409	1.11	cps
Molybdenum	94-1	11962635	12402502	12229108	12198082	1.82	cps
Molybdenum	95-1	17297760	18003562	17997973	17766432	2.28	cps
Molybdenum	96-1	18677184	19021590	19023887	18907554	1.06	cps
Molybdenum	97-1	10565717	10662745	10754406	10660956	0.89	cps
Molybdenum	98-1	27470400	28136190	27994840	27867143	1.26	cps
Neodymium	150-1	227	193	207	209	8.03	cps
Neodymium	150-2	93	97	90	93	3.57	cps
Nickel	60-2	890218	884953	885087	886753	0.34	cps
Phosphorus	31-2	84368	83969	84023	84120	0.26	cps
Potassium	39-2	46009869	45877476	44985303	45624216	1.22	cps
Rhodium	103-1	6127065	6117538	6146575	6130393	0.24	cps
Rhodium	103-2	4019226	4022314	4044684	4028741	0.34	cps
Scandium	45-1	4273527	4280969	4333900	4296132	0.77	cps
Scandium	45-2	332182	333817	336007	334002	0.57	cps
Selenium	82-1	61931	62978	63112	62674	1.03	cps
Selenium	77-2	6742	6542	6905	6729	2.71	cps
Selenium	78-2	22424	22644	22280	22449	0.82	cps
Silicon	28-1	28532626	29202482	29011683	28915597	1.19	cps
Silver	107-1	4351557	4511146	4446869	4436524	1.81	cps
Silver	109-1	4118822	4259862	4203331	4194005	1.69	cps
Sodium	23-2	122178882	120683872	120718302	121193685	0.70	cps
Strontium	86-1	947270	976922	973480	965891	1.68	cps
Strontium	88-1	9491110	9839494	9923855	9751486	2.35	cps
Sulfur	34-1	445988	447735	453759	449161	0.91	cps
Terbium	159-1	7224751	7407489	7380018	7337419	1.34	cps
Terbium	159-2	6050381	5762774	5963444	5925533	2.49	cps
Thallium	203-1	2796851	2821641	2797903	2805465	0.50	cps
Thallium	205-1	6592611	6746630	6718257	6685832	1.23	cps
Tin	118-1	2666800	2673739	2672881	2671140	0.14	cps
Titanium	47-1	5017413	5096258	5090959	5068210	0.87	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:02:55	DataFile Name :	076CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8456698	8533198	8572712	8520869	0.69	cps
Vanadium	51-2	1450790	1390513	1438593	1426632	2.23	cps
Yttrium	89-1	10019258	10099073	10105300	10074543	0.48	cps
Yttrium	89-2	2825283	2898055	2847747	2857029	1.30	cps
Zinc	66-2	3380018	3357068	3432387	3389824	1.14	cps
Zirconium	90-1	6091053	6301744	6174494	6189097	1.71	cps
Zirconium	91-1	1144832	1181996	1175920	1167582	1.71	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:09:28	DataFile Name :	077CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	280	277	230	262	10.66	cps
Antimony	121-1	371	318	337	342	7.91	cps
Arsenic	75-2	17	10	10	12	31.50	cps
Barium	135-1	17	20	17	18	10.81	cps
Barium	137-1	37	43	30	37	18.18	cps
Beryllium	9-1	4	7	7	6	31.12	cps
Bismuth	209-1	4309104	4377367	4435141	4373871	1.44	cps
Bismuth	209-2	4429792	4329208	4327481	4362160	1.34	cps
Bromine	81-1	9947	9813	10544	10101	3.85	cps
Bromine	81-2	263	257	237	252	5.50	cps
Cadmium	108-1	13	13	7	11	34.61	cps
Cadmium	106-1	1943	2087	2090	2040	4.10	cps
Cadmium	111-1	1398	1491	1475	1455	3.44	cps
Calcium	43-1	237	290	257	261	10.32	cps
Calcium	44-1	32635	33521	33143	33100	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1943	1950	2047	1980	2.92	cps
Cobalt	59-2	113	100	73	96	21.32	cps
Copper	63-2	2477	2570	2304	2450	5.52	cps
Dysprosium	156-1	3	10	7	7	50.03	cps
Dysprosium	156-2	3	7	10	7	50.03	cps
Erbium	164-1	33	43	37	38	13.48	cps
Erbium	164-2	43	33	47	41	16.89	cps
Gadolinium	160-1	53	47	50	50	6.66	cps
Gadolinium	160-2	280	267	247	264	6.35	cps
Holmium	165-1	6840472	6650928	6821961	6771120	1.54	cps
Holmium	165-2	5797935	5724066	5693527	5738509	0.94	cps
Indium	115-1	6200818	6133549	6290228	6208198	1.27	cps
Indium	115-2	2570493	2486519	2486736	2514582	1.93	cps
Iron	56-2	21502	21736	21779	21672	0.69	cps
Iron	57-2	1220	1260	1187	1222	3.00	cps
Iron	54-2	2410	2457	2447	2438	1.01	cps
Krypton	83-1	503	573	513	530	7.14	cps

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:09:28	DataFile Name :	077CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	750	677	857	761	11.89	cps
Lead	207-1	617	660	650	642	3.53	cps
Lead	208-1	3222	3021	3361	3201	5.35	cps
Lithium	6-1	427019	426275	429170	427488	0.35	cps
Magnesium	24-2	463	503	577	514	11.17	cps
Manganese	55-2	807	750	757	771	4.02	cps
Molybdenum	94-1	410	393	420	408	3.30	cps
Molybdenum	95-1	383	420	397	400	4.64	cps
Molybdenum	96-1	573	543	503	540	6.50	cps
Molybdenum	97-1	340	347	300	329	7.67	cps
Molybdenum	98-1	577	587	567	577	1.73	cps
Neodymium	150-1	7	3	17	9	78.08	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	427	559	472	486	13.78	cps
Phosphorus	31-2	337	300	347	328	7.50	cps
Potassium	39-2	61377	60171	60918	60822	1.00	cps
Rhodium	103-1	6277197	6199473	6393100	6289923	1.55	cps
Rhodium	103-2	4223380	4133286	4061282	4139316	1.96	cps
Scandium	45-1	4212314	4194839	4168436	4191863	0.53	cps
Scandium	45-2	323975	324145	324754	324291	0.13	cps
Selenium	82-1	210	151	162	175	17.99	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	513	530	450	498	8.48	cps
Silicon	28-1	672554	678599	672785	674646	0.51	cps
Silver	107-1	154	120	157	144	14.07	cps
Silver	109-1	70	123	117	103	28.12	cps
Sodium	23-2	32271	31679	31529	31826	1.23	cps
Strontium	86-1	857	880	727	821	10.06	cps
Strontium	88-1	130	150	193	158	20.52	cps
Sulfur	34-1	178158	177696	180987	178947	1.00	cps
Terbium	159-1	7241970	7112821	7157304	7170698	0.91	cps
Terbium	159-2	5734045	5893631	5703007	5776894	1.77	cps
Thallium	203-1	450	477	480	469	3.51	cps
Thallium	205-1	1060	1050	1140	1083	4.55	cps
Tin	118-1	880	910	950	913	3.84	cps
Titanium	47-1	123	107	97	109	12.37	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 21:09:28	DataFile Name :	077CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	47	27	42	32.86	cps
Vanadium	51-2	33	20	17	23	37.78	cps
Yttrium	89-1	9784477	9786987	9808196	9793220	0.13	cps
Yttrium	89-2	2845775	2755446	2785849	2795690	1.64	cps
Zinc	66-2	493	570	487	517	8.96	cps
Zirconium	90-1	457	560	653	557	17.67	cps
Zirconium	91-1	80	97	97	91	10.56	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:12:45	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	653972	650416	648933	651107	0.40	cps
Antimony	121-1	380	410	445	412	7.82	cps
Arsenic	75-2	1067	1043	1033	1048	1.63	cps
Barium	135-1	6745	7159	7169	7024	3.44	cps
Barium	137-1	12499	12729	12486	12571	1.09	cps
Beryllium	9-1	-103	-73	-159	-112	-39.23	cps
Bismuth	209-1	4327626	4347252	4483488	4386122	1.94	cps
Bismuth	209-2	4538723	4550669	4477036	4522142	0.87	cps
Bromine	81-1	10867	10711	11294	10958	2.76	cps
Bromine	81-2	417	527	413	452	14.26	cps
Cadmium	108-1	77	47	57	60	25.46	cps
Cadmium	106-1	2334	2330	2357	2340	0.62	cps
Cadmium	111-1	2180	2112	2194	2162	2.02	cps
Calcium	43-1	212487	210411	211638	211512	0.49	cps
Calcium	44-1	3757790	3693465	3821400	3757552	1.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8489	8586	8926	8667	2.65	cps
Cobalt	59-2	47722	47074	47826	47541	0.86	cps
Copper	63-2	64930	65841	64803	65191	0.87	cps
Dysprosium	156-1	17558	17297	17498	17451	0.78	cps
Dysprosium	156-2	18766	18566	18522	18618	0.70	cps
Erbium	164-1	17791	17171	18002	17655	2.45	cps
Erbium	164-2	14735	15212	15068	15005	1.63	cps
Gadolinium	160-1	17097	17167	16633	16966	1.71	cps
Gadolinium	160-2	15302	15185	15041	15176	0.86	cps
Holmium	165-1	6701235	6908202	6906715	6838718	1.74	cps
Holmium	165-2	5965346	5833602	5836938	5878629	1.28	cps
Indium	115-1	6180211	6339739	6455629	6325193	2.19	cps
Indium	115-2	2619259	2532498	2652881	2601546	2.39	cps
Iron	56-2	2511939	2441234	2536980	2496718	1.99	cps
Iron	57-2	59698	58042	58999	58913	1.41	cps
Iron	54-2	123982	123203	122383	123189	0.65	cps
Krypton	83-1	610	543	533	562	7.41	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:12:45	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15212	15255	15929	15466	2.60	cps
Lead	207-1	12366	12806	12783	12652	1.96	cps
Lead	208-1	59131	59328	59953	59470	0.72	cps
Lithium	6-1	440609	430561	439459	436877	1.26	cps
Magnesium	24-2	391842	388383	388945	389723	0.48	cps
Manganese	55-2	1752184	1769207	1777753	1766381	0.74	cps
Molybdenum	94-1	543	610	637	597	8.06	cps
Molybdenum	95-1	440	413	413	422	3.65	cps
Molybdenum	96-1	473	523	470	489	6.11	cps
Molybdenum	97-1	287	287	277	283	2.04	cps
Molybdenum	98-1	590	560	613	588	4.55	cps
Neodymium	150-1	27600	26779	26605	26995	1.97	cps
Neodymium	150-2	18990	18596	19257	18947	1.75	cps
Nickel	60-2	15767	15699	15629	15698	0.44	cps
Phosphorus	31-2	3464	3594	3797	3618	4.64	cps
Potassium	39-2	641553	642418	642990	642320	0.11	cps
Rhodium	103-1	6351184	6477491	6543408	6457361	1.51	cps
Rhodium	103-2	4221257	4232012	4238767	4230678	0.21	cps
Scandium	45-1	4239908	4174420	4255533	4223287	1.02	cps
Scandium	45-2	332047	328161	334213	331474	0.93	cps
Selenium	82-1	116	264	193	191	38.84	cps
Selenium	77-2	67	63	63	64	2.99	cps
Selenium	78-2	533	540	607	560	7.24	cps
Silicon	28-1	7956937	7941366	8074646	7990983	0.91	cps
Silver	107-1	204	227	251	227	10.39	cps
Silver	109-1	113	123	103	113	8.83	cps
Sodium	23-2	211751	209447	213109	211436	0.88	cps
Strontium	86-1	93297	95397	93964	94219	1.14	cps
Strontium	88-1	825093	819709	809767	818189	0.95	cps
Sulfur	34-1	655848	666106	645335	655763	1.58	cps
Terbium	159-1	7058988	7305210	7267243	7210481	1.84	cps
Terbium	159-2	5930527	5878065	5876487	5895027	0.52	cps
Thallium	203-1	513	567	587	556	6.82	cps
Thallium	205-1	1413	1210	1350	1325	7.86	cps
Tin	118-1	1310	1260	1440	1337	6.95	cps
Titanium	47-1	837	770	763	790	5.13	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:12:45	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11018	11328	11068	11138	1.50	cps
Vanadium	51-2	13730	13346	13293	13456	1.77	cps
Yttrium	89-1	10516127	10215078	10408484	10379896	1.47	cps
Yttrium	89-2	2971382	2910103	2924155	2935213	1.09	cps
Zinc	66-2	45161	43383	44346	44297	2.01	cps
Zirconium	90-1	1113	1117	1260	1163	7.20	cps
Zirconium	91-1	227	247	253	242	5.73	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:16:01	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	652511	648372	654394	651759	0.47	cps
Antimony	121-1	341	347	355	348	1.90	cps
Arsenic	75-2	1090	1023	1077	1063	3.32	cps
Barium	135-1	7035	7205	7389	7210	2.45	cps
Barium	137-1	12516	12572	12436	12508	0.55	cps
Beryllium	9-1	-116	-101	-172	-130	-28.73	cps
Bismuth	209-1	4476536	4418471	4362611	4419206	1.29	cps
Bismuth	209-2	4521657	4459137	4509190	4496661	0.74	cps
Bromine	81-1	11134	11458	11478	11357	1.70	cps
Bromine	81-2	413	487	483	461	8.98	cps
Cadmium	108-1	53	60	60	58	6.67	cps
Cadmium	106-1	2407	2447	2220	2358	5.13	cps
Cadmium	111-1	2254	2214	2122	2197	3.08	cps
Calcium	43-1	211459	213095	213000	212518	0.43	cps
Calcium	44-1	3854102	3864760	3870636	3863166	0.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8713	8232	8573	8506	2.90	cps
Cobalt	59-2	47495	47559	47930	47661	0.49	cps
Copper	63-2	65761	65660	66383	65935	0.59	cps
Dysprosium	156-1	17815	18359	17821	17998	1.73	cps
Dysprosium	156-2	18546	18950	18749	18748	1.08	cps
Erbium	164-1	17808	17922	18342	18024	1.56	cps
Erbium	164-2	15272	15502	15385	15386	0.75	cps
Gadolinium	160-1	16904	16824	16747	16825	0.47	cps
Gadolinium	160-2	15379	15228	15122	15243	0.85	cps
Holmium	165-1	7068808	7046009	7085526	7066781	0.28	cps
Holmium	165-2	5814844	5990357	5945788	5916996	1.54	cps
Indium	115-1	6397212	6363829	6442357	6401133	0.62	cps
Indium	115-2	2645695	2587909	2593669	2609091	1.22	cps
Iron	56-2	2503613	2532379	2514025	2516672	0.58	cps
Iron	57-2	58949	59809	58948	59235	0.84	cps
Iron	54-2	124195	125122	124869	124729	0.38	cps
Krypton	83-1	610	537	547	564	7.05	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:16:01	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15355	15549	15839	15581	1.56	cps
Lead	207-1	12960	12583	12432	12658	2.15	cps
Lead	208-1	58969	59133	58747	58950	0.33	cps
Lithium	6-1	444143	440873	436444	440487	0.88	cps
Magnesium	24-2	389770	389242	389706	389573	0.07	cps
Manganese	55-2	1738870	1767036	1720138	1742015	1.36	cps
Molybdenum	94-1	540	570	563	558	2.82	cps
Molybdenum	95-1	330	357	340	342	3.94	cps
Molybdenum	96-1	413	403	423	413	2.42	cps
Molybdenum	97-1	307	227	290	274	15.38	cps
Molybdenum	98-1	500	560	553	538	6.12	cps
Neodymium	150-1	27260	27006	27133	27133	0.47	cps
Neodymium	150-2	19260	19086	19307	19218	0.60	cps
Nickel	60-2	15279	15263	15281	15275	0.06	cps
Phosphorus	31-2	3734	3811	3834	3793	1.38	cps
Potassium	39-2	649389	648447	648719	648852	0.07	cps
Rhodium	103-1	6433225	6446542	6464174	6447980	0.24	cps
Rhodium	103-2	4302613	4209993	4235977	4249528	1.12	cps
Scandium	45-1	4374806	4355341	4345391	4358513	0.34	cps
Scandium	45-2	333390	332499	332509	332799	0.15	cps
Selenium	82-1	160	220	196	192	15.71	cps
Selenium	77-2	63	70	77	70	9.53	cps
Selenium	78-2	547	527	570	548	3.96	cps
Silicon	28-1	8264987	8326221	8199913	8263707	0.76	cps
Silver	107-1	197	200	212	203	3.89	cps
Silver	109-1	100	90	60	83	24.98	cps
Sodium	23-2	209194	209282	209185	209220	0.03	cps
Strontium	86-1	95810	96679	96799	96429	0.56	cps
Strontium	88-1	809507	822490	818251	816749	0.81	cps
Sulfur	34-1	647996	645528	652945	648823	0.58	cps
Terbium	159-1	7324532	7308177	7283260	7305323	0.28	cps
Terbium	159-2	5949755	5963688	5881877	5931773	0.74	cps
Thallium	203-1	527	563	437	509	12.81	cps
Thallium	205-1	1287	1200	1140	1209	6.10	cps
Tin	118-1	1287	1397	1220	1301	6.86	cps
Titanium	47-1	723	763	750	746	2.73	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02DUPDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:16:01	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10735	11031	11228	10998	2.26	cps
Vanadium	51-2	13529	13436	13826	13597	1.50	cps
Yttrium	89-1	10448473	10635555	10462787	10515605	0.99	cps
Yttrium	89-2	2971985	2963769	2992069	2975941	0.49	cps
Zinc	66-2	45259	44245	45439	44981	1.43	cps
Zirconium	90-1	930	990	1120	1013	9.59	cps
Zirconium	91-1	203	250	220	224	10.54	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3X250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 21:19:14	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	132174	132514	132426	132372	0.13	cps
Antimony	121-1	493	552	465	503	8.77	cps
Arsenic	75-2	227	247	250	241	5.23	cps
Barium	135-1	1467	1407	1500	1458	3.24	cps
Barium	137-1	2764	2567	2820	2717	4.89	cps
Beryllium	9-1	-32	-5	-32	-23	-67.07	cps
Bismuth	209-1	4295201	4311351	4407128	4337894	1.39	cps
Bismuth	209-2	4584696	4520346	4522864	4542635	0.80	cps
Bromine	81-1	10711	10717	10764	10731	0.27	cps
Bromine	81-2	257	223	213	231	9.82	cps
Cadmium	108-1	23	13	20	19	26.96	cps
Cadmium	106-1	2207	2297	2150	2218	3.34	cps
Cadmium	111-1	1678	1748	1638	1688	3.32	cps
Calcium	43-1	43623	44906	44616	44382	1.52	cps
Calcium	44-1	731337	741503	737152	736664	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4057	4057	4017	4044	0.57	cps
Cobalt	59-2	9617	10040	9610	9755	2.53	cps
Copper	63-2	18942	19162	19052	19052	0.58	cps
Dysprosium	156-1	3681	3520	3537	3579	2.46	cps
Dysprosium	156-2	3714	3724	4024	3821	4.61	cps
Erbium	164-1	3410	3554	3641	3535	3.29	cps
Erbium	164-2	3024	2967	3054	3015	1.46	cps
Gadolinium	160-1	3447	3364	3611	3474	3.61	cps
Gadolinium	160-2	3277	3200	3437	3305	3.65	cps
Holmium	165-1	6883763	6916323	6816605	6872230	0.74	cps
Holmium	165-2	5810269	5803292	5891687	5835083	0.84	cps
Indium	115-1	6403101	6397136	6387724	6395987	0.12	cps
Indium	115-2	2571338	2567195	2618415	2585649	1.10	cps
Iron	56-2	474844	473029	476465	474779	0.36	cps
Iron	57-2	13136	13002	13139	13092	0.60	cps
Iron	54-2	27502	28006	27956	27821	1.00	cps
Krypton	83-1	507	523	563	531	5.48	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3X250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 21:19:14	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	13277	13440	13363	13360	0.61	cps
Lead	207-1	11745	11545	11882	11724	1.45	cps
Lead	208-1	53366	54003	53826	53732	0.61	cps
Lithium	6-1	423471	428831	424085	425462	0.69	cps
Magnesium	24-2	79217	78724	77471	78471	1.15	cps
Manganese	55-2	312311	311354	313564	312410	0.35	cps
Molybdenum	94-1	410	430	487	442	8.99	cps
Molybdenum	95-1	317	243	303	288	13.57	cps
Molybdenum	96-1	353	317	393	354	10.82	cps
Molybdenum	97-1	270	240	247	252	6.25	cps
Molybdenum	98-1	447	423	407	426	4.72	cps
Neodymium	150-1	5421	5668	5628	5572	2.38	cps
Neodymium	150-2	3847	3857	3774	3826	1.19	cps
Nickel	60-2	4751	4662	4794	4736	1.42	cps
Phosphorus	31-2	1063	1057	1040	1053	1.14	cps
Potassium	39-2	181796	181386	180486	181223	0.37	cps
Rhodium	103-1	6504142	6416294	6382397	6434278	0.98	cps
Rhodium	103-2	4273506	4317754	4251417	4280892	0.79	cps
Scandium	45-1	4273023	4411495	4288901	4324473	1.75	cps
Scandium	45-2	334127	336128	333848	334701	0.37	cps
Selenium	82-1	152	166	172	163	6.25	cps
Selenium	77-2	17	20	17	18	10.81	cps
Selenium	78-2	440	487	553	493	11.55	cps
Silicon	28-1	2480059	2466060	2485125	2477081	0.40	cps
Silver	107-1	113	101	124	113	10.40	cps
Silver	109-1	83	87	53	74	24.66	cps
Sodium	23-2	64816	63564	64062	64147	0.98	cps
Strontium	86-1	20057	20347	20007	20137	0.91	cps
Strontium	88-1	169135	169604	169695	169478	0.18	cps
Sulfur	34-1	257438	260197	258245	258627	0.55	cps
Terbium	159-1	7188361	7158731	7180644	7175912	0.21	cps
Terbium	159-2	5965397	5835572	5917459	5906143	1.11	cps
Thallium	203-1	460	360	437	419	12.49	cps
Thallium	205-1	1020	927	930	959	5.52	cps
Tin	118-1	1880	1883	1897	1887	0.47	cps
Titanium	47-1	277	283	293	284	2.95	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02LDL3X250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-22 21:19:14	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2307	2410	2087	2268	7.28	cps
Vanadium	51-2	2770	2664	2964	2799	5.43	cps
Yttrium	89-1	10251545	10263348	10251610	10255501	0.07	cps
Yttrium	89-2	2930350	2925964	2926551	2927622	0.08	cps
Zinc	66-2	11238	11224	11138	11200	0.49	cps
Zirconium	90-1	610	650	703	654	7.16	cps
Zirconium	91-1	153	120	153	142	13.53	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:22:31	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	270563	272623	264454	269213	1.58	cps
Antimony	121-1	47895	47823	47326	47681	0.65	cps
Arsenic	75-2	4194	4064	4081	4113	1.72	cps
Barium	135-1	53146	52209	51383	52246	1.69	cps
Barium	137-1	88893	89996	91831	90240	1.64	cps
Beryllium	9-1	6239	6286	6567	6364	2.79	cps
Bismuth	209-1	4382612	4309811	4232661	4308361	1.74	cps
Bismuth	209-2	4538722	4434663	4540263	4504549	1.34	cps
Bromine	81-1	10911	11351	11138	11133	1.98	cps
Bromine	81-2	347	307	333	329	6.19	cps
Cadmium	108-1	993	1003	950	982	2.89	cps
Cadmium	106-1	3424	3640	3687	3584	3.92	cps
Cadmium	111-1	14657	15109	14772	14846	1.58	cps
Calcium	43-1	93960	97626	95327	95637	1.94	cps
Calcium	44-1	1709410	1738128	1760943	1736161	1.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28527	28711	28480	28573	0.43	cps
Cobalt	59-2	57262	57918	57647	57609	0.57	cps
Copper	63-2	314596	313694	318883	315724	0.88	cps
Dysprosium	156-1	6798	6605	6488	6631	2.36	cps
Dysprosium	156-2	7025	6948	7162	7045	1.53	cps
Erbium	164-1	6688	6808	6305	6601	3.98	cps
Erbium	164-2	5545	5665	5715	5641	1.55	cps
Gadolinium	160-1	6338	6255	6505	6366	2.00	cps
Gadolinium	160-2	5951	6061	5965	5992	1.00	cps
Holmium	165-1	6897927	6673136	6831226	6800763	1.70	cps
Holmium	165-2	5828226	5903735	5864484	5865482	0.64	cps
Indium	115-1	6304532	6245993	6424529	6325018	1.44	cps
Indium	115-2	2581634	2551933	2559200	2564256	0.60	cps
Iron	56-2	2152664	2152572	2147741	2150992	0.13	cps
Iron	57-2	49732	51133	49892	50253	1.53	cps
Iron	54-2	107277	109041	107198	107839	0.97	cps
Krypton	83-1	600	593	553	582	4.34	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:22:31	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	164581	163050	160744	162792	1.19	cps
Lead	207-1	138231	137281	142337	139283	1.93	cps
Lead	208-1	643942	649993	648184	647373	0.48	cps
Lithium	6-1	431103	428883	411528	423838	2.53	cps
Magnesium	24-2	368087	370510	366972	368523	0.49	cps
Manganese	55-2	774282	775836	770093	773404	0.38	cps
Molybdenum	94-1	84845	86235	83691	84924	1.50	cps
Molybdenum	95-1	92003	94379	92437	92940	1.36	cps
Molybdenum	96-1	104940	104074	105296	104770	0.60	cps
Molybdenum	97-1	57985	58517	57580	58027	0.81	cps
Molybdenum	98-1	149989	150454	148094	149512	0.84	cps
Neodymium	150-1	10137	10397	10314	10283	1.29	cps
Neodymium	150-2	7119	7048	7222	7130	1.22	cps
Nickel	60-2	21585	21127	21528	21414	1.17	cps
Phosphorus	31-2	1637	1713	1750	1700	3.40	cps
Potassium	39-2	410242	415254	413205	412901	0.61	cps
Rhodium	103-1	6370923	6211263	6378607	6320264	1.49	cps
Rhodium	103-2	4171938	4220590	4188237	4193588	0.59	cps
Scandium	45-1	4395281	4335946	4222474	4317900	2.03	cps
Scandium	45-2	332356	332741	332802	332633	0.07	cps
Selenium	82-1	1380	1163	1327	1290	8.76	cps
Selenium	77-2	157	147	127	143	10.66	cps
Selenium	78-2	960	963	890	938	4.42	cps
Silicon	28-1	3813845	3834136	3837083	3828355	0.33	cps
Silver	107-1	12234	12070	11995	12099	1.01	cps
Silver	109-1	10157	10307	10284	10249	0.79	cps
Sodium	23-2	424173	426471	421842	424162	0.55	cps
Strontium	86-1	56130	56223	56040	56131	0.16	cps
Strontium	88-1	473823	481966	482416	479401	1.01	cps
Sulfur	34-1	346637	344619	351586	347614	1.03	cps
Terbium	159-1	7097894	6929520	7184080	7070498	1.83	cps
Terbium	159-2	5920857	5889613	5794188	5868219	1.12	cps
Thallium	203-1	37919	38678	38595	38398	1.08	cps
Thallium	205-1	88614	91932	90220	90255	1.84	cps
Tin	118-1	35170	35384	36874	35809	2.59	cps
Titanium	47-1	403	370	450	408	9.85	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:22:31	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	110590	110540	114763	111965	2.16	cps
Vanadium	51-2	26891	26303	26543	26579	1.11	cps
Yttrium	89-1	10300777	10330805	10074962	10235515	1.37	cps
Yttrium	89-2	2928182	2841324	2907837	2892448	1.57	cps
Zinc	66-2	71323	71360	71484	71389	0.12	cps
Zirconium	90-1	86000	86493	85849	86114	0.39	cps
Zirconium	91-1	18435	19163	18976	18858	2.00	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDI	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:25:44	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	289055	285762	288343	287720	0.60	cps
Antimony	121-1	50874	51167	51804	51281	0.93	cps
Arsenic	75-2	4461	4557	4334	4451	2.52	cps
Barium	135-1	54233	55461	56114	55269	1.73	cps
Barium	137-1	98234	99190	95186	97536	2.14	cps
Beryllium	9-1	6635	6654	6646	6645	0.14	cps
Bismuth	209-1	4110557	4191058	4305441	4202352	2.33	cps
Bismuth	209-2	4484923	4348813	4440698	4424812	1.57	cps
Bromine	81-1	10934	11264	11488	11229	2.48	cps
Bromine	81-2	330	283	380	331	14.60	cps
Cadmium	108-1	1080	1127	1100	1102	2.12	cps
Cadmium	106-1	3737	3984	3580	3767	5.40	cps
Cadmium	111-1	15647	16367	16230	16081	2.38	cps
Calcium	43-1	102416	104078	105555	104016	1.51	cps
Calcium	44-1	1856485	1871074	1897212	1874924	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30999	30725	29990	30571	1.71	cps
Cobalt	59-2	61844	61070	62526	61813	1.18	cps
Copper	63-2	341022	340798	337612	339810	0.56	cps
Dysprosium	156-1	7045	7132	7132	7103	0.70	cps
Dysprosium	156-2	7792	7522	7572	7629	1.88	cps
Erbium	164-1	6992	7295	7229	7172	2.22	cps
Erbium	164-2	6155	6081	5978	6071	1.46	cps
Gadolinium	160-1	6758	6672	7022	6817	2.68	cps
Gadolinium	160-2	6218	6392	6335	6315	1.40	cps
Holmium	165-1	6843140	6784769	6889387	6839099	0.77	cps
Holmium	165-2	5807638	5791568	5808553	5802587	0.16	cps
Indium	115-1	6344306	6294477	6376576	6338453	0.65	cps
Indium	115-2	2581774	2583701	2577551	2581008	0.12	cps
Iron	56-2	2350993	2296021	2308488	2318501	1.24	cps
Iron	57-2	53716	54529	53699	53981	0.88	cps
Iron	54-2	117102	115066	116766	116311	0.94	cps
Krypton	83-1	620	540	617	592	7.64	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:25:44	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	171085	171694	175519	172766	1.39	cps
Lead	207-1	152218	152960	147697	150958	1.89	cps
Lead	208-1	697164	696405	696350	696640	0.07	cps
Lithium	6-1	415342	418086	426605	420011	1.40	cps
Magnesium	24-2	393765	394055	395058	394293	0.17	cps
Manganese	55-2	831692	830695	826817	829735	0.31	cps
Molybdenum	94-1	90542	90649	91024	90738	0.28	cps
Molybdenum	95-1	99073	99908	100502	99828	0.72	cps
Molybdenum	96-1	113248	113577	111209	112678	1.14	cps
Molybdenum	97-1	61593	61683	63330	62202	1.57	cps
Molybdenum	98-1	158900	160651	160901	160150	0.68	cps
Neodymium	150-1	10561	10791	10771	10707	1.19	cps
Neodymium	150-2	7789	7669	7672	7710	0.89	cps
Nickel	60-2	23126	22656	22955	22912	1.04	cps
Phosphorus	31-2	1740	2010	1857	1869	7.25	cps
Potassium	39-2	440815	436961	439465	439080	0.45	cps
Rhodium	103-1	6605833	6546460	6307463	6486585	2.43	cps
Rhodium	103-2	4209028	4243065	4283068	4245054	0.87	cps
Scandium	45-1	4225165	4244743	4343765	4271224	1.49	cps
Scandium	45-2	331524	333963	332545	332677	0.37	cps
Selenium	82-1	1347	1417	1386	1383	2.52	cps
Selenium	77-2	153	180	167	167	8.00	cps
Selenium	78-2	1013	980	983	992	1.85	cps
Silicon	28-1	4097403	4227084	4143292	4155927	1.58	cps
Silver	107-1	12804	13290	13825	13307	3.84	cps
Silver	109-1	11635	11525	11211	11457	1.92	cps
Sodium	23-2	453962	455001	454576	454513	0.11	cps
Strontium	86-1	61578	61863	60370	61270	1.29	cps
Strontium	88-1	519484	515721	517768	517657	0.36	cps
Sulfur	34-1	369517	368188	363714	367140	0.83	cps
Terbium	159-1	7167162	7307107	6987541	7153937	2.24	cps
Terbium	159-2	5812796	5869296	5839234	5840442	0.48	cps
Thallium	203-1	41848	41754	40758	41453	1.46	cps
Thallium	205-1	98105	96910	98660	97892	0.91	cps
Tin	118-1	39651	39073	38495	39073	1.48	cps
Titanium	47-1	423	447	373	414	9.04	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02MSDDL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:25:44	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	120600	122872	118970	120814	1.62	cps
Vanadium	51-2	28881	27812	28504	28399	1.91	cps
Yttrium	89-1	10218338	9905682	10515149	10213056	2.98	cps
Yttrium	89-2	2962579	2939805	2944206	2948863	0.41	cps
Zinc	66-2	76800	77172	77071	77014	0.25	cps
Zirconium	90-1	91335	92110	92962	92136	0.88	cps
Zirconium	91-1	20197	20791	20127	20372	1.79	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:28:59	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	283814	286281	283401	284499	0.55	cps
Antimony	121-1	50695	50419	50804	50639	0.39	cps
Arsenic	75-2	4601	4567	4794	4654	2.63	cps
Barium	135-1	55180	54698	54638	54839	0.54	cps
Barium	137-1	95683	95532	95371	95529	0.16	cps
Beryllium	9-1	6503	6741	6704	6649	1.93	cps
Bismuth	209-1	4307189	4254285	4232807	4264760	0.90	cps
Bismuth	209-2	4434600	4466651	4422488	4441246	0.51	cps
Bromine	81-1	10831	11244	11551	11209	3.23	cps
Bromine	81-2	313	380	350	348	9.60	cps
Cadmium	108-1	1117	967	1020	1034	7.35	cps
Cadmium	106-1	3734	3574	3737	3682	2.54	cps
Cadmium	111-1	15679	15819	16099	15865	1.35	cps
Calcium	43-1	101058	102289	102047	101798	0.64	cps
Calcium	44-1	1826403	1808248	1854527	1829726	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	31289	30090	31336	30905	2.28	cps
Cobalt	59-2	61288	62450	60605	61448	1.52	cps
Copper	63-2	336326	333935	333212	334491	0.49	cps
Dysprosium	156-1	7022	6888	7125	7012	1.69	cps
Dysprosium	156-2	7109	7255	7602	7322	3.46	cps
Erbium	164-1	7082	6965	7179	7075	1.51	cps
Erbium	164-2	5988	5868	5985	5947	1.15	cps
Gadolinium	160-1	6782	6778	6555	6705	1.94	cps
Gadolinium	160-2	6228	6145	6178	6184	0.68	cps
Holmium	165-1	6831588	6875662	6921089	6876113	0.65	cps
Holmium	165-2	5918985	5861320	5824814	5868373	0.81	cps
Indium	115-1	6487411	6217827	6451517	6385585	2.29	cps
Indium	115-2	2563561	2609017	2556080	2576220	1.11	cps
Iron	56-2	2302124	2313195	2283141	2299487	0.66	cps
Iron	57-2	53642	53913	53582	53712	0.33	cps
Iron	54-2	115035	115386	114263	114895	0.50	cps
Krypton	83-1	497	560	547	534	6.25	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:28:59	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	170520	169835	171659	170671	0.54	cps
Lead	207-1	146082	147869	146116	146689	0.70	cps
Lead	208-1	674941	679047	674207	676065	0.39	cps
Lithium	6-1	422730	420040	424242	422337	0.50	cps
Magnesium	24-2	388381	388670	393098	390050	0.68	cps
Manganese	55-2	822644	821546	825400	823196	0.24	cps
Molybdenum	94-1	89244	90515	89790	89849	0.71	cps
Molybdenum	95-1	100536	98962	98774	99424	0.97	cps
Molybdenum	96-1	111454	110742	110594	110930	0.41	cps
Molybdenum	97-1	61167	61669	60391	61076	1.05	cps
Molybdenum	98-1	159236	158188	160344	159256	0.68	cps
Neodymium	150-1	10734	10514	10771	10673	1.30	cps
Neodymium	150-2	7529	7829	7929	7762	2.68	cps
Nickel	60-2	23073	22238	22467	22593	1.91	cps
Phosphorus	31-2	1687	1710	1927	1775	7.46	cps
Potassium	39-2	433321	429556	431565	431480	0.44	cps
Rhodium	103-1	6495510	6613728	6407872	6505703	1.59	cps
Rhodium	103-2	4238100	4350020	4232503	4273541	1.55	cps
Scandium	45-1	4323067	4246046	4362166	4310426	1.37	cps
Scandium	45-2	333818	332635	334173	333542	0.24	cps
Selenium	82-1	1393	1456	1412	1420	2.29	cps
Selenium	77-2	120	190	163	158	22.39	cps
Selenium	78-2	863	903	1007	924	8.00	cps
Silicon	28-1	4069873	4062287	4119895	4084018	0.77	cps
Silver	107-1	12738	12714	12728	12727	0.10	cps
Silver	109-1	10817	11134	11198	11050	1.84	cps
Sodium	23-2	449248	444430	449287	447655	0.62	cps
Strontium	86-1	61197	60015	60169	60460	1.06	cps
Strontium	88-1	505515	509588	508401	507835	0.41	cps
Sulfur	34-1	363633	367922	363461	365005	0.69	cps
Terbium	159-1	7085388	7200003	7090984	7125458	0.91	cps
Terbium	159-2	5918435	5883454	5789963	5863951	1.13	cps
Thallium	203-1	40126	40931	40617	40558	1.00	cps
Thallium	205-1	94983	95195	93248	94475	1.13	cps
Tin	118-1	38214	38157	38675	38349	0.74	cps
Titanium	47-1	433	333	450	406	15.56	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2555-02ADL3X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-22 21:28:59	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	116680	119609	117316	117868	1.31	cps
Vanadium	51-2	28591	28494	28434	28506	0.28	cps
Yttrium	89-1	10127585	10074424	10133503	10111837	0.32	cps
Yttrium	89-2	2915140	2980707	2930578	2942141	1.17	cps
Zinc	66-2	76354	74957	75744	75685	0.93	cps
Zirconium	90-1	92761	91204	92221	92062	0.86	cps
Zirconium	91-1	20538	20328	20257	20374	0.72	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:32:13	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	680352	668284	681244	676627	1.07	cps
Antimony	121-1	704	744	796	748	6.15	cps
Arsenic	75-2	913	783	930	876	9.17	cps
Barium	135-1	5725	5584	5528	5612	1.80	cps
Barium	137-1	10257	9874	10457	10196	2.91	cps
Beryllium	9-1	229	199	258	228	12.93	cps
Bismuth	209-1	4111952	4198467	4272017	4194145	1.91	cps
Bismuth	209-2	4523342	4414225	4390000	4442522	1.60	cps
Bromine	81-1	10857	11408	11304	11190	2.61	cps
Bromine	81-2	330	357	313	333	6.56	cps
Cadmium	108-1	63	57	103	74	33.90	cps
Cadmium	106-1	2510	2474	2600	2528	2.58	cps
Cadmium	111-1	2913	2925	3001	2946	1.62	cps
Calcium	43-1	180053	181609	183814	181826	1.04	cps
Calcium	44-1	3220186	3254307	3237611	3237368	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27595	26824	27178	27199	1.42	cps
Cobalt	59-2	56968	56452	56245	56555	0.66	cps
Copper	63-2	246338	245134	246329	245934	0.28	cps
Dysprosium	156-1	23506	22872	22835	23071	1.64	cps
Dysprosium	156-2	24081	24107	23744	23977	0.85	cps
Erbium	164-1	22061	22121	21954	22045	0.38	cps
Erbium	164-2	19337	19300	19050	19229	0.81	cps
Gadolinium	160-1	22565	22889	23076	22843	1.13	cps
Gadolinium	160-2	20125	20161	19968	20085	0.51	cps
Holmium	165-1	6907039	6725426	6869523	6833996	1.40	cps
Holmium	165-2	5963230	5882384	5966547	5937387	0.80	cps
Indium	115-1	6345372	6383331	6258531	6329078	1.01	cps
Indium	115-2	2612570	2620887	2646732	2626730	0.68	cps
Iron	56-2	5761643	5640673	5673994	5692103	1.10	cps
Iron	57-2	129998	129102	130010	129703	0.40	cps
Iron	54-2	284233	283741	280470	282815	0.72	cps
Krypton	83-1	600	630	583	604	3.91	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:32:13	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	50527	50233	49744	50168	0.79	cps
Lead	207-1	41289	42155	40765	41403	1.70	cps
Lead	208-1	192150	195980	193824	193984	0.99	cps
Lithium	6-1	409815	412907	417494	413405	0.93	cps
Magnesium	24-2	415185	405143	410836	410388	1.23	cps
Manganese	55-2	1842614	1796446	1817770	1818943	1.27	cps
Molybdenum	94-1	710	710	707	709	0.27	cps
Molybdenum	95-1	367	297	263	309	17.07	cps
Molybdenum	96-1	513	510	440	488	8.49	cps
Molybdenum	97-1	303	287	263	284	7.06	cps
Molybdenum	98-1	597	500	540	546	8.90	cps
Neodymium	150-1	34355	34699	35100	34718	1.07	cps
Neodymium	150-2	24047	25149	25296	24831	2.75	cps
Nickel	60-2	20896	20511	20246	20551	1.59	cps
Phosphorus	31-2	6405	6508	6645	6519	1.85	cps
Potassium	39-2	589151	582873	591744	587922	0.78	cps
Rhodium	103-1	6763791	6640221	6597043	6667018	1.30	cps
Rhodium	103-2	4260382	4301823	4332334	4298180	0.84	cps
Scandium	45-1	4243551	4165269	4342798	4250540	2.09	cps
Scandium	45-2	338351	332796	338712	336620	0.99	cps
Selenium	82-1	263	215	196	225	15.46	cps
Selenium	77-2	123	100	90	104	16.38	cps
Selenium	78-2	630	673	557	620	9.51	cps
Silicon	28-1	10278092	10111202	10242655	10210650	0.86	cps
Silver	107-1	482	439	485	469	5.52	cps
Silver	109-1	167	123	107	132	23.42	cps
Sodium	23-2	189187	188033	189416	188878	0.39	cps
Strontium	86-1	55775	55056	55825	55552	0.77	cps
Strontium	88-1	461846	472850	483564	472753	2.30	cps
Sulfur	34-1	692877	695993	698306	695725	0.39	cps
Terbium	159-1	7380488	7200322	7179930	7253580	1.52	cps
Terbium	159-2	6017315	5916163	5816101	5916526	1.70	cps
Thallium	203-1	560	490	480	510	8.55	cps
Thallium	205-1	1040	1067	1103	1070	2.97	cps
Tin	118-1	1353	1277	1370	1333	3.73	cps
Titanium	47-1	2010	1883	1977	1957	3.36	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:32:13	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	29891	29209	30148	29749	1.63	cps
Vanadium	51-2	26747	26804	26911	26821	0.31	cps
Yttrium	89-1	10636289	10455125	10710463	10600625	1.24	cps
Yttrium	89-2	3055337	3008420	3047056	3036938	0.82	cps
Zinc	66-2	59993	60378	59562	59978	0.68	cps
Zirconium	90-1	1473	1513	1507	1498	1.43	cps
Zirconium	91-1	353	303	310	322	8.42	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:35:28	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	607291	610198	598713	605401	0.99	cps
Antimony	121-1	707	742	783	744	5.13	cps
Arsenic	75-2	977	873	880	910	6.36	cps
Barium	135-1	5825	5548	6178	5850	5.40	cps
Barium	137-1	9947	9787	10047	9927	1.32	cps
Beryllium	9-1	228	171	172	190	17.07	cps
Bismuth	209-1	4313516	4413476	4369833	4365608	1.15	cps
Bismuth	209-2	4528920	4674479	4590815	4598071	1.59	cps
Bromine	81-1	11645	12025	11758	11809	1.65	cps
Bromine	81-2	287	290	323	300	6.76	cps
Cadmium	108-1	87	87	113	96	16.11	cps
Cadmium	106-1	2477	2364	2440	2427	2.38	cps
Cadmium	111-1	2653	2557	2606	2605	1.84	cps
Calcium	43-1	152613	154078	153832	153508	0.51	cps
Calcium	44-1	2746771	2773044	2730737	2750184	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27709	27358	27221	27429	0.92	cps
Cobalt	59-2	45699	46499	45285	45828	1.35	cps
Copper	63-2	207435	211479	207199	208704	1.15	cps
Dysprosium	156-1	19537	19404	18920	19287	1.68	cps
Dysprosium	156-2	20816	20278	20582	20558	1.31	cps
Erbium	164-1	19223	19510	19280	19338	0.79	cps
Erbium	164-2	16740	16477	16306	16508	1.32	cps
Gadolinium	160-1	18599	19357	19504	19153	2.53	cps
Gadolinium	160-2	17454	17668	17194	17439	1.36	cps
Holmium	165-1	7054740	6838489	6867236	6920155	1.70	cps
Holmium	165-2	6058202	6080392	5932405	6023666	1.32	cps
Indium	115-1	6509480	6414413	6334733	6419542	1.36	cps
Indium	115-2	2720238	2640094	2652326	2670886	1.62	cps
Iron	56-2	7319562	7297957	7396677	7338065	0.71	cps
Iron	57-2	163591	165491	164140	164408	0.59	cps
Iron	54-2	359203	359953	356372	358509	0.53	cps
Krypton	83-1	643	637	650	643	1.04	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:35:28	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	51671	50059	50627	50786	1.61	cps
Lead	207-1	41423	40921	42279	41541	1.65	cps
Lead	208-1	195926	195665	197040	196210	0.37	cps
Lithium	6-1	429033	421714	420676	423807	1.07	cps
Magnesium	24-2	378432	380517	374933	377961	0.75	cps
Manganese	55-2	1480090	1519496	1481307	1493631	1.50	cps
Molybdenum	94-1	650	563	647	620	7.92	cps
Molybdenum	95-1	370	320	397	362	10.75	cps
Molybdenum	96-1	513	487	507	502	2.76	cps
Molybdenum	97-1	277	307	263	282	7.86	cps
Molybdenum	98-1	450	510	480	480	6.25	cps
Neodymium	150-1	30056	30446	30229	30244	0.65	cps
Neodymium	150-2	21420	21777	21069	21422	1.65	cps
Nickel	60-2	17642	17688	17329	17553	1.11	cps
Phosphorus	31-2	6591	7045	6882	6839	3.36	cps
Potassium	39-2	529784	526546	520961	525764	0.85	cps
Rhodium	103-1	6551180	6562198	6589779	6567719	0.30	cps
Rhodium	103-2	4343738	4418638	4389636	4384004	0.86	cps
Scandium	45-1	4498718	4367253	4362908	4409626	1.75	cps
Scandium	45-2	346872	345743	341768	344794	0.78	cps
Selenium	82-1	165	186	176	176	5.81	cps
Selenium	77-2	123	83	73	93	28.35	cps
Selenium	78-2	617	647	623	629	2.50	cps
Silicon	28-1	9739199	9679365	9493450	9637338	1.33	cps
Silver	107-1	448	441	400	430	6.08	cps
Silver	109-1	90	97	107	98	8.58	cps
Sodium	23-2	163092	160808	160535	161478	0.87	cps
Strontium	86-1	43892	44708	45022	44541	1.31	cps
Strontium	88-1	378292	388555	387577	384808	1.47	cps
Sulfur	34-1	687058	699764	696914	694579	0.96	cps
Terbium	159-1	7139541	7154206	7268708	7187485	0.98	cps
Terbium	159-2	5993036	5963218	5962711	5972989	0.29	cps
Thallium	203-1	387	453	377	406	10.28	cps
Thallium	205-1	943	1043	1050	1012	5.90	cps
Tin	118-1	1230	1250	1500	1327	11.35	cps
Titanium	47-1	2967	3210	3120	3099	3.97	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:35:28	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28831	29413	28975	29073	1.04	cps
Vanadium	51-2	26023	26213	26497	26244	0.91	cps
Yttrium	89-1	10735405	10899876	11009425	10881569	1.27	cps
Yttrium	89-2	3156018	3088316	3063423	3102586	1.54	cps
Zinc	66-2	52442	52656	51990	52363	0.65	cps
Zirconium	90-1	1093	1137	1027	1086	5.10	cps
Zirconium	91-1	210	213	217	213	1.56	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:38:42	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	670261	669078	666274	668538	0.31	cps
Antimony	121-1	788	778	795	787	1.10	cps
Arsenic	75-2	847	880	883	870	2.33	cps
Barium	135-1	5901	5815	6171	5962	3.12	cps
Barium	137-1	10527	10567	10537	10544	0.20	cps
Beryllium	9-1	179	169	210	186	11.57	cps
Bismuth	209-1	4376389	4306232	4147832	4276817	2.74	cps
Bismuth	209-2	4641638	4497598	4512208	4550481	1.74	cps
Bromine	81-1	11985	11671	11975	11877	1.50	cps
Bromine	81-2	317	297	310	308	3.31	cps
Cadmium	108-1	67	77	57	67	15.00	cps
Cadmium	106-1	2487	2524	2360	2457	3.49	cps
Cadmium	111-1	2798	2753	2686	2745	2.05	cps
Calcium	43-1	162002	165756	163006	163588	1.19	cps
Calcium	44-1	2940381	2974961	2865574	2926972	1.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26891	25986	25772	26216	2.27	cps
Cobalt	59-2	51766	51742	51642	51717	0.13	cps
Copper	63-2	237877	236209	235573	236553	0.50	cps
Dysprosium	156-1	21273	21460	21957	21563	1.64	cps
Dysprosium	156-2	23119	23510	23059	23229	1.05	cps
Erbium	164-1	21797	22188	21914	21966	0.91	cps
Erbium	164-2	19180	18723	18683	18862	1.46	cps
Gadolinium	160-1	21941	21834	21800	21858	0.34	cps
Gadolinium	160-2	20121	19674	19394	19730	1.86	cps
Holmium	165-1	6741573	6770567	6885422	6799187	1.12	cps
Holmium	165-2	6017617	5914238	5958960	5963605	0.87	cps
Indium	115-1	6490394	6395674	6246254	6377441	1.93	cps
Indium	115-2	2717026	2670734	2692677	2693479	0.86	cps
Iron	56-2	6463680	6412617	6394937	6423745	0.56	cps
Iron	57-2	144077	142939	143592	143536	0.40	cps
Iron	54-2	316364	312952	312973	314097	0.63	cps
Krypton	83-1	627	590	573	597	4.57	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:38:42	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	49088	49436	49045	49190	0.44	cps
Lead	207-1	39260	40684	41343	40429	2.63	cps
Lead	208-1	190216	193657	192172	192015	0.90	cps
Lithium	6-1	422465	414770	403978	413738	2.24	cps
Magnesium	24-2	378194	377299	375330	376941	0.39	cps
Manganese	55-2	1633462	1620148	1612212	1621941	0.66	cps
Molybdenum	94-1	540	600	520	553	7.52	cps
Molybdenum	95-1	357	363	347	356	2.36	cps
Molybdenum	96-1	470	470	427	456	5.49	cps
Molybdenum	97-1	277	297	270	281	4.94	cps
Molybdenum	98-1	513	540	467	507	7.33	cps
Neodymium	150-1	33677	34142	33082	33634	1.58	cps
Neodymium	150-2	24518	23870	24234	24208	1.34	cps
Nickel	60-2	19691	19168	19109	19323	1.66	cps
Phosphorus	31-2	6688	6388	6525	6534	2.30	cps
Potassium	39-2	561650	557844	559896	559797	0.34	cps
Rhodium	103-1	6532442	6607991	6520827	6553753	0.72	cps
Rhodium	103-2	4415024	4384969	4324369	4374787	1.06	cps
Scandium	45-1	4461399	4487591	4262750	4403913	2.79	cps
Scandium	45-2	349695	344366	343150	345737	1.01	cps
Selenium	82-1	193	207	270	223	18.38	cps
Selenium	77-2	93	80	93	89	8.66	cps
Selenium	78-2	613	603	673	630	6.01	cps
Silicon	28-1	10093550	9968856	10119894	10060767	0.80	cps
Silver	107-1	400	411	424	412	2.90	cps
Silver	109-1	73	67	47	62	22.30	cps
Sodium	23-2	172284	172324	172820	172476	0.17	cps
Strontium	86-1	46694	47653	48001	47450	1.43	cps
Strontium	88-1	418706	415347	412450	415501	0.75	cps
Sulfur	34-1	677015	692254	702124	690465	1.83	cps
Terbium	159-1	7045449	7180738	7308008	7178065	1.83	cps
Terbium	159-2	6078322	6090414	5944723	6037819	1.34	cps
Thallium	203-1	400	370	530	433	19.63	cps
Thallium	205-1	1060	1077	1077	1071	0.90	cps
Tin	118-1	1420	1447	1413	1427	1.24	cps
Titanium	47-1	2474	2497	2484	2485	0.47	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:38:42	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	31711	32393	33422	32509	2.65	cps
Vanadium	51-2	26443	26320	26527	26430	0.39	cps
Yttrium	89-1	11152703	11117671	10720521	10996965	2.18	cps
Yttrium	89-2	3164805	3120187	3089245	3124746	1.22	cps
Zinc	66-2	57490	56992	57132	57205	0.45	cps
Zirconium	90-1	963	987	1110	1020	7.73	cps
Zirconium	91-1	227	203	167	199	15.21	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:41:56	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	661931	662614	658287	660944	0.35	cps
Antimony	121-1	865	849	868	861	1.18	cps
Arsenic	75-2	990	920	1037	982	5.98	cps
Barium	135-1	6352	6635	6301	6429	2.80	cps
Barium	137-1	11188	11255	11044	11162	0.96	cps
Beryllium	9-1	147	178	203	176	15.95	cps
Bismuth	209-1	4167790	4188248	4270851	4208963	1.30	cps
Bismuth	209-2	4485132	4562823	4472707	4506887	1.08	cps
Bromine	81-1	11671	11705	12102	11826	2.02	cps
Bromine	81-2	353	307	260	307	15.22	cps
Cadmium	108-1	67	97	93	86	19.22	cps
Cadmium	106-1	2407	2237	2377	2340	3.88	cps
Cadmium	111-1	2738	2542	2539	2606	4.39	cps
Calcium	43-1	152808	153025	155998	153944	1.16	cps
Calcium	44-1	2743529	2787984	2782405	2771306	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	29305	30524	29091	29640	2.61	cps
Cobalt	59-2	49558	50532	50996	50362	1.46	cps
Copper	63-2	237288	237285	239028	237867	0.42	cps
Dysprosium	156-1	20699	21930	20929	21186	3.09	cps
Dysprosium	156-2	23316	23059	22959	23111	0.80	cps
Erbium	164-1	20809	20819	21186	20938	1.03	cps
Erbium	164-2	18269	18372	18442	18361	0.48	cps
Gadolinium	160-1	20943	20565	21366	20958	1.91	cps
Gadolinium	160-2	19053	19570	19207	19277	1.38	cps
Holmium	165-1	6759721	6891255	6672717	6774564	1.62	cps
Holmium	165-2	5965384	5879544	5950649	5931859	0.77	cps
Indium	115-1	6220959	6456437	6286900	6321432	1.92	cps
Indium	115-2	2694083	2730435	2671424	2698647	1.10	cps
Iron	56-2	8152367	8063874	8042698	8086313	0.72	cps
Iron	57-2	181426	182290	179031	180915	0.93	cps
Iron	54-2	396387	397401	395017	396269	0.30	cps
Krypton	83-1	640	617	620	626	2.02	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:41:56	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	54408	55302	52833	54181	2.31	cps
Lead	207-1	43249	44640	44299	44063	1.65	cps
Lead	208-1	207352	208880	207536	207922	0.40	cps
Lithium	6-1	408025	409624	404104	407251	0.70	cps
Magnesium	24-2	391498	391149	386288	389645	0.75	cps
Manganese	55-2	1690429	1709731	1681664	1693941	0.85	cps
Molybdenum	94-1	493	530	513	512	3.58	cps
Molybdenum	95-1	417	393	360	390	7.30	cps
Molybdenum	96-1	497	487	540	508	5.58	cps
Molybdenum	97-1	317	320	300	312	3.43	cps
Molybdenum	98-1	407	530	493	477	13.29	cps
Neodymium	150-1	33416	32708	33256	33127	1.12	cps
Neodymium	150-2	23727	23840	23593	23720	0.52	cps
Nickel	60-2	19343	19630	19389	19454	0.79	cps
Phosphorus	31-2	7372	7022	6632	7008	5.28	cps
Potassium	39-2	555238	554222	549151	552870	0.59	cps
Rhodium	103-1	6557338	6536442	6586375	6560052	0.38	cps
Rhodium	103-2	4405234	4374512	4374653	4384800	0.40	cps
Scandium	45-1	4385793	4484060	4389619	4419824	1.26	cps
Scandium	45-2	348274	350718	345665	348219	0.73	cps
Selenium	82-1	186	207	244	212	13.94	cps
Selenium	77-2	87	123	107	106	17.39	cps
Selenium	78-2	687	693	713	698	1.99	cps
Silicon	28-1	10175662	10510989	10190981	10292544	1.84	cps
Silver	107-1	376	423	390	396	6.04	cps
Silver	109-1	57	73	70	67	13.22	cps
Sodium	23-2	158087	155591	155541	156406	0.93	cps
Strontium	86-1	45517	47002	46771	46430	1.72	cps
Strontium	88-1	392757	386721	394126	391202	1.01	cps
Sulfur	34-1	717356	721209	725846	721470	0.59	cps
Terbium	159-1	6990133	7215043	7297099	7167425	2.22	cps
Terbium	159-2	5978972	6099126	5974522	6017540	1.17	cps
Thallium	203-1	423	497	427	449	9.23	cps
Thallium	205-1	1103	1050	1113	1089	3.13	cps
Tin	118-1	1303	1277	1197	1259	4.41	cps
Titanium	47-1	3200	3237	3330	3256	2.06	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2639-08DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 21:41:56	DataFile Name :	087SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	32269	32948	32710	32642	1.05	cps
Vanadium	51-2	29456	28724	28721	28967	1.46	cps
Yttrium	89-1	10893111	10834863	10857539	10861838	0.27	cps
Yttrium	89-2	3114155	3111921	3107471	3111182	0.11	cps
Zinc	66-2	52760	51652	52525	52312	1.12	cps
Zirconium	90-1	1047	953	1063	1021	5.81	cps
Zirconium	91-1	240	203	273	239	14.66	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:04:00	DataFile Name :	088CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9073714	9081544	8962087	9039115	0.74	cps
Antimony	121-1	3327741	3390608	3403836	3374062	1.20	cps
Arsenic	75-2	191466	189761	188145	189791	0.88	cps
Barium	135-1	3841613	3934419	3987667	3921233	1.88	cps
Barium	137-1	6600388	6610779	6756061	6655742	1.31	cps
Beryllium	9-1	355013	360193	368101	361102	1.83	cps
Bismuth	209-1	4111036	4061649	4093283	4088656	0.61	cps
Bismuth	209-2	4370041	4357117	4332517	4353225	0.44	cps
Bromine	81-1	11054	11211	10761	11009	2.08	cps
Bromine	81-2	177	217	243	212	15.81	cps
Cadmium	108-1	57176	56630	57293	57033	0.62	cps
Cadmium	106-1	80861	81705	81099	81222	0.54	cps
Cadmium	111-1	768331	778170	784892	777131	1.07	cps
Calcium	43-1	5532836	5595581	5509238	5545885	0.80	cps
Calcium	44-1	88359365	89412335	89063799	88945166	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1753914	1744159	1719434	1739169	1.02	cps
Cobalt	59-2	2706963	2708806	2682410	2699393	0.55	cps
Copper	63-2	19951281	19749529	19628641	19776484	0.82	cps
Dysprosium	156-1	170	180	190	180	5.56	cps
Dysprosium	156-2	300	280	303	294	4.29	cps
Erbium	164-1	393	307	363	354	12.42	cps
Erbium	164-2	267	327	280	291	10.82	cps
Gadolinium	160-1	250	223	260	244	7.75	cps
Gadolinium	160-2	487	473	433	464	5.98	cps
Holmium	165-1	7028490	7015889	7037964	7027448	0.16	cps
Holmium	165-2	6168215	6060566	6002119	6076967	1.39	cps
Indium	115-1	6363984	6388505	6302581	6351690	0.70	cps
Indium	115-2	2629257	2644925	2563742	2612641	1.65	cps
Iron	56-2	421940514	421492487	425616780	423016594	0.53	cps
Iron	57-2	10570462	10395164	10287304	10417644	1.37	cps
Iron	54-2	23305920	23029835	22617821	22984525	1.51	cps
Krypton	83-1	590	537	563	563	4.73	cps

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:04:00	DataFile Name :	088CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10748999	11026217	10875712	10883642	1.28	cps
Lead	207-1	9451610	9617016	9438114	9502247	1.05	cps
Lead	208-1	44005911	44615242	43809772	44143641	0.95	cps
Lithium	6-1	398694	416664	410170	408509	2.23	cps
Magnesium	24-2	80683582	80397115	79801064	80293920	0.56	cps
Manganese	55-2	13354051	13262628	13359251	13325310	0.41	cps
Molybdenum	94-1	12516133	12785414	12388691	12563413	1.61	cps
Molybdenum	95-1	17982124	18177723	18172313	18110720	0.62	cps
Molybdenum	96-1	19565401	20082199	19796318	19814639	1.31	cps
Molybdenum	97-1	11181446	11184138	11230288	11198624	0.25	cps
Molybdenum	98-1	28496587	28868505	28985220	28783438	0.89	cps
Neodymium	150-1	177	187	173	179	3.88	cps
Neodymium	150-2	100	73	97	90	16.15	cps
Nickel	60-2	932629	924902	917230	924921	0.83	cps
Phosphorus	31-2	87653	86785	86272	86903	0.80	cps
Potassium	39-2	47756636	47255591	48108723	47706983	0.90	cps
Rhodium	103-1	6336271	6319972	6360396	6338880	0.32	cps
Rhodium	103-2	4239118	4180237	4089266	4169540	1.81	cps
Scandium	45-1	4527615	4548440	4530600	4535552	0.25	cps
Scandium	45-2	345104	347652	346070	346276	0.37	cps
Selenium	82-1	63940	64870	65215	64675	1.02	cps
Selenium	77-2	6942	6675	6798	6805	1.96	cps
Selenium	78-2	23679	23125	22861	23222	1.80	cps
Silicon	28-1	29605703	30601715	30140556	30115991	1.66	cps
Silver	107-1	4568945	4660545	4521232	4583574	1.54	cps
Silver	109-1	4285697	4279746	4238406	4267950	0.60	cps
Sodium	23-2	125706328	123436065	123817985	124320126	0.98	cps
Strontium	86-1	998357	1008073	1007807	1004746	0.55	cps
Strontium	88-1	10162463	10377669	10356180	10298771	1.15	cps
Sulfur	34-1	475311	474424	465220	471652	1.18	cps
Terbium	159-1	7245950	7344361	7230947	7273753	0.85	cps
Terbium	159-2	6079073	6032543	6074115	6061910	0.42	cps
Thallium	203-1	2640023	2696204	2713424	2683217	1.43	cps
Thallium	205-1	6287464	6422603	6351544	6353870	1.06	cps
Tin	118-1	2717252	2763724	2753955	2744977	0.89	cps
Titanium	47-1	5314133	5443388	5421031	5392851	1.28	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:04:00	DataFile Name :	088CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7923356	8099279	8207831	8076822	1.78	cps
Vanadium	51-2	1478353	1458659	1476216	1471076	0.73	cps
Yttrium	89-1	10539031	10687737	10541395	10589388	0.80	cps
Yttrium	89-2	2982304	2989428	2938501	2970078	0.93	cps
Zinc	66-2	3523207	3530760	3437135	3497034	1.49	cps
Zirconium	90-1	6478702	6471679	6449646	6466676	0.23	cps
Zirconium	91-1	1394515	1219940	1217400	1277285	7.95	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:11:51	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	230	283	303	272	13.93	cps
Antimony	121-1	251	221	294	255	14.44	cps
Arsenic	75-2	0	7	13	7	99.98	cps
Barium	135-1	30	23	40	31	26.97	cps
Barium	137-1	33	43	53	43	23.08	cps
Beryllium	9-1	7	7	10	8	23.22	cps
Bismuth	209-1	4201755	4386004	4324546	4304102	2.18	cps
Bismuth	209-2	4467733	4517869	4495579	4493727	0.56	cps
Bromine	81-1	10290	10177	10591	10353	2.06	cps
Bromine	81-2	220	173	190	194	12.16	cps
Cadmium	108-1	7	23	10	13	66.12	cps
Cadmium	106-1	2040	1747	2107	1965	9.75	cps
Cadmium	111-1	1453	1226	1491	1390	10.30	cps
Calcium	43-1	270	263	240	258	6.11	cps
Calcium	44-1	32141	32441	31940	32174	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1770	2240	2017	2009	11.70	cps
Cobalt	59-2	110	110	70	97	23.89	cps
Copper	63-2	1997	2124	2077	2066	3.10	cps
Dysprosium	156-1	3	7	7	6	34.70	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	53	43	20	39	43.98	cps
Erbium	164-2	33	23	63	40	52.05	cps
Gadolinium	160-1	67	53	33	51	32.83	cps
Gadolinium	160-2	340	257	243	280	18.71	cps
Holmium	165-1	6776515	6634648	6668104	6693089	1.11	cps
Holmium	165-2	5748105	5751021	5842180	5780435	0.93	cps
Indium	115-1	6181957	6219495	6352520	6251324	1.43	cps
Indium	115-2	2579523	2592069	2575785	2582459	0.33	cps
Iron	56-2	22961	22430	21926	22439	2.31	cps
Iron	57-2	1257	1243	1333	1278	3.80	cps
Iron	54-2	2610	2714	2574	2632	2.76	cps
Krypton	83-1	570	583	477	543	10.70	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:11:51	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	730	637	650	672	7.51	cps
Lead	207-1	567	607	533	569	6.45	cps
Lead	208-1	2733	2746	2609	2696	2.81	cps
Lithium	6-1	410425	416867	417276	414856	0.93	cps
Magnesium	24-2	583	513	370	489	22.24	cps
Manganese	55-2	717	763	677	719	6.03	cps
Molybdenum	94-1	437	350	473	420	15.08	cps
Molybdenum	95-1	313	293	403	337	17.40	cps
Molybdenum	96-1	487	417	403	436	10.28	cps
Molybdenum	97-1	333	310	293	312	6.44	cps
Molybdenum	98-1	623	530	477	543	13.66	cps
Neodymium	150-1	3	17	3	8	99.04	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	520	413	482	472	11.46	cps
Phosphorus	31-2	343	353	330	342	3.42	cps
Potassium	39-2	62103	61139	62149	61797	0.92	cps
Rhodium	103-1	6449402	6352378	6418487	6406756	0.77	cps
Rhodium	103-2	4276067	4283875	4254715	4271552	0.35	cps
Scandium	45-1	4223077	4268188	4292824	4261363	0.83	cps
Scandium	45-2	328729	331296	332687	330904	0.61	cps
Selenium	82-1	111	88	253	151	59.07	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	493	567	440	500	12.72	cps
Silicon	28-1	688479	716761	693970	699737	2.14	cps
Silver	107-1	117	107	97	107	9.33	cps
Silver	109-1	113	90	110	104	12.08	cps
Sodium	23-2	27919	28009	28129	28019	0.38	cps
Strontium	86-1	917	810	907	878	6.71	cps
Strontium	88-1	130	127	150	136	9.31	cps
Sulfur	34-1	184540	182377	182752	183223	0.63	cps
Terbium	159-1	7079211	7026241	7200228	7101893	1.26	cps
Terbium	159-2	5932631	5880656	5947258	5920181	0.59	cps
Thallium	203-1	457	420	457	444	4.76	cps
Thallium	205-1	1123	1200	1070	1131	5.78	cps
Tin	118-1	917	897	873	896	2.42	cps
Titanium	47-1	123	107	100	110	10.93	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:11:51	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	37	33	33	10.01	cps
Vanadium	51-2	23	17	13	18	28.64	cps
Yttrium	89-1	9874219	9843262	9980361	9899281	0.73	cps
Yttrium	89-2	2890475	2920764	2890948	2900729	0.60	cps
Zinc	66-2	540	503	527	523	3.55	cps
Zirconium	90-1	573	530	607	570	6.74	cps
Zirconium	91-1	100	147	103	117	22.32	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:15:06	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	474331	467639	468619	470196	0.77	cps
Antimony	121-1	257	236	241	245	4.39	cps
Arsenic	75-2	1157	1107	1150	1138	2.39	cps
Barium	135-1	7746	7932	8152	7943	2.56	cps
Barium	137-1	13974	14044	13557	13858	1.90	cps
Beryllium	9-1	-137	-204	-106	-149	-33.68	cps
Bismuth	209-1	4281902	4321716	4451541	4351720	2.04	cps
Bismuth	209-2	4539388	4589150	4542281	4556940	0.61	cps
Bromine	81-1	10657	10297	10924	10626	2.96	cps
Bromine	81-2	220	323	277	273	18.93	cps
Cadmium	108-1	93	50	47	63	41.10	cps
Cadmium	106-1	2450	2287	2304	2347	3.83	cps
Cadmium	111-1	2347	2176	2163	2229	4.60	cps
Calcium	43-1	230174	236464	234761	233800	1.39	cps
Calcium	44-1	4197165	4201515	4248347	4215676	0.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7919	7682	7465	7689	2.95	cps
Cobalt	59-2	31119	31326	30922	31122	0.65	cps
Copper	63-2	37347	37918	37891	37719	0.85	cps
Dysprosium	156-1	8222	8606	8606	8478	2.61	cps
Dysprosium	156-2	8809	8946	8823	8860	0.85	cps
Erbium	164-1	8773	8643	8793	8736	0.93	cps
Erbium	164-2	7686	7352	7449	7495	2.29	cps
Gadolinium	160-1	8046	8379	7876	8100	3.16	cps
Gadolinium	160-2	7219	7609	7425	7418	2.63	cps
Holmium	165-1	7020140	6946595	7131697	7032811	1.33	cps
Holmium	165-2	5988565	6057573	5974726	6006955	0.74	cps
Indium	115-1	6402803	6236684	6426800	6355429	1.63	cps
Indium	115-2	2656104	2664494	2591875	2637491	1.51	cps
Iron	56-2	3398904	3397616	3281047	3359189	2.01	cps
Iron	57-2	79160	76865	78544	78190	1.52	cps
Iron	54-2	163721	163558	162864	163381	0.28	cps
Krypton	83-1	503	570	497	523	7.75	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:15:06	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16243	16327	16824	16465	1.91	cps
Lead	207-1	12923	13597	13594	13371	2.90	cps
Lead	208-1	61343	62662	62644	62216	1.22	cps
Lithium	6-1	423472	421668	430844	425328	1.14	cps
Magnesium	24-2	527748	524566	527705	526673	0.35	cps
Manganese	55-2	1445654	1467350	1432809	1448605	1.21	cps
Molybdenum	94-1	710	643	703	686	5.36	cps
Molybdenum	95-1	297	367	350	338	10.83	cps
Molybdenum	96-1	487	463	450	467	3.98	cps
Molybdenum	97-1	280	230	243	251	10.31	cps
Molybdenum	98-1	423	430	423	426	0.90	cps
Neodymium	150-1	12255	12182	11922	12120	1.45	cps
Neodymium	150-2	8876	8716	8569	8721	1.76	cps
Nickel	60-2	12147	11788	11443	11792	2.99	cps
Phosphorus	31-2	4757	4597	4797	4717	2.24	cps
Potassium	39-2	735782	729629	728467	731293	0.54	cps
Rhodium	103-1	6535109	6489001	6431611	6485240	0.80	cps
Rhodium	103-2	4394549	4347633	4305227	4349136	1.03	cps
Scandium	45-1	4324188	4301653	4417675	4347839	1.41	cps
Scandium	45-2	344251	345395	342167	343938	0.48	cps
Selenium	82-1	223	164	201	196	15.29	cps
Selenium	77-2	47	40	33	40	16.68	cps
Selenium	78-2	617	643	530	597	9.93	cps
Silicon	28-1	6311529	6318795	6466513	6365612	1.37	cps
Silver	107-1	162	116	127	135	17.51	cps
Silver	109-1	97	67	67	77	22.59	cps
Sodium	23-2	257656	258274	259299	258410	0.32	cps
Strontium	86-1	76029	76860	77553	76814	0.99	cps
Strontium	88-1	655383	665341	662637	661121	0.78	cps
Sulfur	34-1	702392	712438	695287	703372	1.23	cps
Terbium	159-1	7230290	7258719	7128481	7205830	0.95	cps
Terbium	159-2	5967574	6099032	5977771	6014792	1.22	cps
Thallium	203-1	503	597	610	570	10.20	cps
Thallium	205-1	1317	1277	1190	1261	5.13	cps
Tin	118-1	1527	1780	1720	1676	7.90	cps
Titanium	47-1	1277	1220	1283	1260	2.76	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-02DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-31-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:15:06	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5164	5301	4721	5062	5.99	cps
Vanadium	51-2	15325	15471	14647	15148	2.90	cps
Yttrium	89-1	10239286	10324872	10471720	10345293	1.14	cps
Yttrium	89-2	3000465	3004410	3016864	3007246	0.28	cps
Zinc	66-2	49231	49037	48248	48839	1.07	cps
Zirconium	90-1	1380	1493	1350	1408	5.37	cps
Zirconium	91-1	290	283	257	277	6.38	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:18:21	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	937719	926149	918723	927530	1.03	cps
Antimony	121-1	503	540	555	533	5.05	cps
Arsenic	75-2	1817	1710	1827	1785	3.62	cps
Barium	135-1	12552	12699	12282	12511	1.69	cps
Barium	137-1	21193	21209	21650	21351	1.21	cps
Beryllium	9-1	154	89	199	147	37.64	cps
Bismuth	209-1	4392685	4340572	4293370	4342209	1.14	cps
Bismuth	209-2	4685073	4495933	4586923	4589310	2.06	cps
Bromine	81-1	11018	11144	11374	11179	1.62	cps
Bromine	81-2	430	400	413	414	3.63	cps
Cadmium	108-1	67	60	70	66	7.77	cps
Cadmium	106-1	2307	2577	2174	2352	8.74	cps
Cadmium	111-1	2345	2645	2236	2409	8.80	cps
Calcium	43-1	204197	203554	205611	204454	0.51	cps
Calcium	44-1	3751118	3678363	3767300	3732260	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15435	15041	14691	15055	2.47	cps
Cobalt	59-2	61466	60830	61248	61181	0.53	cps
Copper	63-2	104134	104281	103230	103881	0.55	cps
Dysprosium	156-1	23570	23690	22946	23402	1.71	cps
Dysprosium	156-2	24538	24298	25189	24675	1.87	cps
Erbium	164-1	23590	23757	23176	23508	1.27	cps
Erbium	164-2	20495	20061	19901	20152	1.53	cps
Gadolinium	160-1	22318	23052	22612	22661	1.63	cps
Gadolinium	160-2	20014	20552	20195	20254	1.35	cps
Holmium	165-1	7056055	7037163	6894515	6995911	1.26	cps
Holmium	165-2	5981016	6004940	6000766	5995574	0.21	cps
Indium	115-1	6539829	6527697	6367170	6478232	1.49	cps
Indium	115-2	2657656	2609887	2595676	2621073	1.24	cps
Iron	56-2	6377288	6383023	6352079	6370796	0.26	cps
Iron	57-2	147920	144868	143878	145555	1.45	cps
Iron	54-2	317865	316063	310099	314676	1.29	cps
Krypton	83-1	687	473	623	594	18.43	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:18:21	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	28547	28360	28066	28324	0.86	cps
Lead	207-1	22769	23470	23327	23189	1.60	cps
Lead	208-1	108045	108781	109560	108796	0.70	cps
Lithium	6-1	430182	425419	422408	426003	0.92	cps
Magnesium	24-2	555498	550625	543935	550020	1.06	cps
Manganese	55-2	2296942	2261406	2237138	2265162	1.33	cps
Molybdenum	94-1	867	927	993	929	6.82	cps
Molybdenum	95-1	563	497	487	516	8.08	cps
Molybdenum	96-1	570	577	597	581	2.39	cps
Molybdenum	97-1	350	387	300	346	12.59	cps
Molybdenum	98-1	677	710	700	696	2.46	cps
Neodymium	150-1	34893	35919	36156	35656	1.88	cps
Neodymium	150-2	25914	25687	25750	25784	0.45	cps
Nickel	60-2	21603	21810	21884	21765	0.67	cps
Phosphorus	31-2	5608	5218	4964	5263	6.16	cps
Potassium	39-2	990238	973367	963077	975561	1.41	cps
Rhodium	103-1	6671872	6647695	6577919	6632495	0.74	cps
Rhodium	103-2	4431709	4307034	4362283	4367009	1.43	cps
Scandium	45-1	4407571	4450510	4337039	4398373	1.30	cps
Scandium	45-2	342988	341792	336643	340474	0.99	cps
Selenium	82-1	126	368	174	223	57.51	cps
Selenium	77-2	103	103	80	96	14.10	cps
Selenium	78-2	637	650	637	641	1.20	cps
Silicon	28-1	12919508	12824517	12805226	12849750	0.48	cps
Silver	107-1	297	303	283	294	3.60	cps
Silver	109-1	117	97	73	96	22.70	cps
Sodium	23-2	293269	290435	287269	290324	1.03	cps
Strontium	86-1	75630	75790	75027	75482	0.53	cps
Strontium	88-1	637057	640025	649840	642307	1.04	cps
Sulfur	34-1	768199	774097	769510	770602	0.40	cps
Terbium	159-1	7043140	7282641	7374685	7233489	2.37	cps
Terbium	159-2	6086640	5948460	5965678	6000259	1.25	cps
Thallium	203-1	610	603	600	604	0.84	cps
Thallium	205-1	1310	1450	1427	1396	5.37	cps
Tin	118-1	1283	1370	1293	1316	3.60	cps
Titanium	47-1	37440	37530	36995	37322	0.77	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-04DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-32-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:18:21	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18984	19010	18930	18975	0.21	cps
Vanadium	51-2	24013	24086	23882	23994	0.43	cps
Yttrium	89-1	10785468	10709452	10767226	10754049	0.37	cps
Yttrium	89-2	3078698	3109248	3073449	3087131	0.63	cps
Zinc	66-2	54041	54211	53837	54030	0.35	cps
Zirconium	90-1	1797	1947	1840	1861	4.15	cps
Zirconium	91-1	333	417	307	352	16.29	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:21:34	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	700063	698271	696694	698342	0.24	cps
Antimony	121-1	376	425	404	402	6.16	cps
Arsenic	75-2	1287	1200	1473	1320	10.58	cps
Barium	135-1	7499	7369	7715	7528	2.33	cps
Barium	137-1	12706	14996	13186	13629	8.86	cps
Beryllium	9-1	114	144	108	122	15.71	cps
Bismuth	209-1	4297241	4230497	4469876	4332538	2.85	cps
Bismuth	209-2	4553374	4589733	4540762	4561290	0.56	cps
Bromine	81-1	11448	11578	11615	11547	0.76	cps
Bromine	81-2	397	293	353	348	14.92	cps
Cadmium	108-1	27	83	33	48	64.82	cps
Cadmium	106-1	2444	2410	2424	2426	0.69	cps
Cadmium	111-1	2352	2246	2253	2284	2.60	cps
Calcium	43-1	176722	179075	184802	180200	2.31	cps
Calcium	44-1	3246445	3186497	3313499	3248813	1.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9536	9900	9717	9718	1.87	cps
Cobalt	59-2	44409	45027	44666	44701	0.69	cps
Copper	63-2	73456	72578	73533	73189	0.72	cps
Dysprosium	156-1	17848	17217	17404	17490	1.85	cps
Dysprosium	156-2	18509	18950	18432	18630	1.50	cps
Erbium	164-1	17825	17778	18012	17872	0.69	cps
Erbium	164-2	15409	15125	15852	15462	2.37	cps
Gadolinium	160-1	16974	17364	17067	17135	1.19	cps
Gadolinium	160-2	15395	15509	15415	15440	0.39	cps
Holmium	165-1	7067321	6992308	6830845	6963491	1.74	cps
Holmium	165-2	5983132	6055514	5976231	6004959	0.73	cps
Indium	115-1	6351919	6416981	6409194	6392698	0.56	cps
Indium	115-2	2719816	2625124	2649647	2664862	1.84	cps
Iron	56-2	2725327	2693984	2731507	2716939	0.74	cps
Iron	57-2	63373	62255	63326	62985	1.00	cps
Iron	54-2	133657	133287	134445	133796	0.44	cps
Krypton	83-1	653	600	630	628	4.26	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:21:34	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19741	19441	20182	19788	1.88	cps
Lead	207-1	15759	16003	16063	15942	1.01	cps
Lead	208-1	73921	73827	76023	74590	1.66	cps
Lithium	6-1	415319	413875	423856	417683	1.29	cps
Magnesium	24-2	417900	416735	410840	415158	0.91	cps
Manganese	55-2	1762784	1739815	1738743	1747114	0.78	cps
Molybdenum	94-1	493	613	757	621	21.23	cps
Molybdenum	95-1	243	313	357	304	18.78	cps
Molybdenum	96-1	417	493	437	449	8.86	cps
Molybdenum	97-1	287	250	277	271	6.99	cps
Molybdenum	98-1	403	477	430	437	8.50	cps
Neodymium	150-1	25493	25817	26662	25991	2.32	cps
Neodymium	150-2	18949	19687	19701	19446	2.21	cps
Nickel	60-2	15493	15453	15493	15480	0.15	cps
Phosphorus	31-2	4584	4711	4664	4653	1.38	cps
Potassium	39-2	818494	806688	817787	814323	0.81	cps
Rhodium	103-1	6624817	6672083	6525126	6607342	1.14	cps
Rhodium	103-2	4353739	4360564	4350423	4354909	0.12	cps
Scandium	45-1	4414340	4307063	4458610	4393338	1.77	cps
Scandium	45-2	344155	343547	342992	343564	0.17	cps
Selenium	82-1	177	182	175	178	1.93	cps
Selenium	77-2	77	70	57	68	15.02	cps
Selenium	78-2	623	543	583	583	6.86	cps
Silicon	28-1	8816145	8994914	8960904	8923987	1.06	cps
Silver	107-1	213	219	220	217	1.87	cps
Silver	109-1	63	100	77	80	23.20	cps
Sodium	23-2	249890	248899	247128	248639	0.56	cps
Strontium	86-1	63312	65123	64364	64266	1.42	cps
Strontium	88-1	542223	547093	551210	546842	0.82	cps
Sulfur	34-1	655470	667194	665991	662885	0.97	cps
Terbium	159-1	7121534	7197130	7160928	7159864	0.53	cps
Terbium	159-2	6059751	6120870	6002331	6060984	0.98	cps
Thallium	203-1	447	487	530	488	8.54	cps
Thallium	205-1	1250	1243	1127	1207	5.75	cps
Tin	118-1	1367	1370	1310	1349	2.50	cps
Titanium	47-1	1163	1193	1420	1259	11.15	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-06DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:21:34	DataFile Name :	092SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13280	13243	13374	13299	0.50	cps
Vanadium	51-2	16336	16669	16476	16494	1.02	cps
Yttrium	89-1	10647162	10470122	11059065	10725450	2.82	cps
Yttrium	89-2	3052680	3103542	3065477	3073900	0.86	cps
Zinc	66-2	46318	46078	45643	46013	0.74	cps
Zirconium	90-1	1427	1397	1323	1382	3.85	cps
Zirconium	91-1	320	317	303	313	2.81	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:24:50	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	634675	637706	634250	635544	0.30	cps
Antimony	121-1	752	801	795	782	3.37	cps
Arsenic	75-2	927	767	917	870	10.30	cps
Barium	135-1	5681	6238	6208	6042	5.18	cps
Barium	137-1	10090	10104	10487	10227	2.20	cps
Beryllium	9-1	188	172	248	203	19.76	cps
Bismuth	209-1	4347502	4309666	4201110	4286093	1.77	cps
Bismuth	209-2	4570606	4482884	4647944	4567145	1.81	cps
Bromine	81-1	10988	11151	10827	10989	1.47	cps
Bromine	81-2	347	323	260	310	14.46	cps
Cadmium	108-1	67	100	77	81	21.09	cps
Cadmium	106-1	2494	2590	2370	2485	4.44	cps
Cadmium	111-1	2692	2767	2629	2696	2.56	cps
Calcium	43-1	157648	159028	158796	158490	0.47	cps
Calcium	44-1	2943204	2953727	2835572	2910834	2.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	27696	26998	26523	27072	2.18	cps
Cobalt	59-2	48130	46997	48107	47745	1.36	cps
Copper	63-2	236359	236306	236805	236490	0.12	cps
Dysprosium	156-1	21026	21336	20996	21119	0.89	cps
Dysprosium	156-2	22809	22822	22431	22687	0.98	cps
Erbium	164-1	20989	20959	21066	21005	0.26	cps
Erbium	164-2	18756	18085	18629	18490	1.93	cps
Gadolinium	160-1	20352	20348	20799	20500	1.26	cps
Gadolinium	160-2	18896	19073	18799	18923	0.73	cps
Holmium	165-1	7003670	6927056	6801983	6910903	1.47	cps
Holmium	165-2	6199249	6068477	5945597	6071108	2.09	cps
Indium	115-1	6575740	6498463	6461705	6511970	0.89	cps
Indium	115-2	2691676	2646294	2737730	2691900	1.70	cps
Iron	56-2	6786982	6691405	6780005	6752797	0.79	cps
Iron	57-2	149742	150110	150530	150127	0.26	cps
Iron	54-2	330762	330166	328856	329928	0.30	cps
Krypton	83-1	617	653	563	611	7.41	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:24:50	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	51313	51701	50928	51314	0.75	cps
Lead	207-1	41417	42242	42654	42104	1.50	cps
Lead	208-1	196542	199252	197729	197841	0.69	cps
Lithium	6-1	416719	415391	411677	414596	0.63	cps
Magnesium	24-2	393886	398648	399057	397197	0.72	cps
Manganese	55-2	1653450	1666798	1627732	1649326	1.20	cps
Molybdenum	94-1	550	523	500	524	4.77	cps
Molybdenum	95-1	367	350	370	362	2.96	cps
Molybdenum	96-1	437	443	477	452	4.74	cps
Molybdenum	97-1	323	257	323	301	12.78	cps
Molybdenum	98-1	487	533	523	514	4.78	cps
Neodymium	150-1	32531	32909	32611	32684	0.61	cps
Neodymium	150-2	24248	23647	23780	23891	1.32	cps
Nickel	60-2	17607	17848	18155	17870	1.54	cps
Phosphorus	31-2	6882	6795	6995	6891	1.46	cps
Potassium	39-2	545187	548309	549393	547630	0.40	cps
Rhodium	103-1	6620202	6390784	6752614	6587867	2.78	cps
Rhodium	103-2	4449447	4417691	4403918	4423685	0.53	cps
Scandium	45-1	4433918	4363049	4328854	4375274	1.22	cps
Scandium	45-2	342635	341206	346284	343375	0.76	cps
Selenium	82-1	242	125	254	207	34.38	cps
Selenium	77-2	117	117	93	109	12.38	cps
Selenium	78-2	630	727	617	658	9.13	cps
Silicon	28-1	10025664	9956484	10074432	10018860	0.59	cps
Silver	107-1	411	394	396	400	2.39	cps
Silver	109-1	70	73	70	71	2.70	cps
Sodium	23-2	172301	172014	171646	171987	0.19	cps
Strontium	86-1	45343	47229	46971	46514	2.20	cps
Strontium	88-1	392570	392432	397474	394159	0.73	cps
Sulfur	34-1	686901	693628	709194	696574	1.64	cps
Terbium	159-1	7050425	7080600	7279111	7136712	1.74	cps
Terbium	159-2	6112834	5983779	6063262	6053292	1.08	cps
Thallium	203-1	490	570	453	504	11.83	cps
Thallium	205-1	1103	1070	1083	1086	1.55	cps
Tin	118-1	1390	1217	1357	1321	6.96	cps
Titanium	47-1	2704	2904	2847	2818	3.66	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	Q2638-14DL2X25	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL2	Dilution Factor :	25
Date & Time Acquired :	2025-07-22 22:24:50	DataFile Name :	093SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	31778	31036	32226	31680	1.90	cps
Vanadium	51-2	26246	26370	26460	26359	0.41	cps
Yttrium	89-1	10698138	10627567	10605282	10643663	0.46	cps
Yttrium	89-2	3107715	3095554	3102466	3101912	0.20	cps
Zinc	66-2	54215	55272	54221	54569	1.11	cps
Zirconium	90-1	950	893	1010	951	6.13	cps
Zirconium	91-1	223	210	257	230	10.45	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:28:02	DataFile Name :	094CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9207130	9160447	9192994	9186857	0.26	cps
Antimony	121-1	3301315	3387139	3379193	3355882	1.41	cps
Arsenic	75-2	190201	186494	188229	188308	0.98	cps
Barium	135-1	3818618	3903226	3857053	3859632	1.10	cps
Barium	137-1	6633811	6777876	6575238	6662308	1.57	cps
Beryllium	9-1	358289	368850	369945	365695	1.76	cps
Bismuth	209-1	4149954	4168581	4190767	4169767	0.49	cps
Bismuth	209-2	4325087	4340780	4351643	4339170	0.31	cps
Bromine	81-1	10771	11011	10707	10830	1.48	cps
Bromine	81-2	193	160	123	159	22.04	cps
Cadmium	108-1	57032	56767	56962	56920	0.24	cps
Cadmium	106-1	81403	80881	81464	81249	0.39	cps
Cadmium	111-1	769290	783915	786254	779820	1.18	cps
Calcium	43-1	5550505	5387612	5484477	5474198	1.50	cps
Calcium	44-1	88023712	86512905	87560615	87365744	0.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1725353	1708255	1701330	1711646	0.72	cps
Cobalt	59-2	2646224	2693173	2681110	2673502	0.91	cps
Copper	63-2	19884059	19676069	19463897	19674675	1.07	cps
Dysprosium	156-1	160	153	230	181	23.45	cps
Dysprosium	156-2	297	293	303	298	1.71	cps
Erbium	164-1	377	340	337	351	6.32	cps
Erbium	164-2	313	323	347	328	5.22	cps
Gadolinium	160-1	220	213	200	211	4.82	cps
Gadolinium	160-2	503	397	433	444	12.19	cps
Holmium	165-1	6963180	6959615	6884526	6935774	0.64	cps
Holmium	165-2	6132472	5919710	6061367	6037849	1.79	cps
Indium	115-1	6312862	6304657	6296042	6304521	0.13	cps
Indium	115-2	2576116	2535543	2589396	2567019	1.09	cps
Iron	56-2	425737474	416472260	417301060	419836932	1.22	cps
Iron	57-2	10362901	10441872	10387405	10397392	0.39	cps
Iron	54-2	22525523	22615570	22631816	22590970	0.25	cps
Krypton	83-1	580	530	600	570	6.33	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:28:02	DataFile Name :	094CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10971321	11100728	11353088	11141712	1.74	cps
Lead	207-1	9576635	9790188	9713582	9693468	1.12	cps
Lead	208-1	44077157	45232758	45045837	44785251	1.39	cps
Lithium	6-1	418404	430936	432092	427144	1.78	cps
Magnesium	24-2	82111819	80155562	80757342	81008241	1.24	cps
Manganese	55-2	13117996	13167986	13293799	13193260	0.69	cps
Molybdenum	94-1	12558706	12434856	12592235	12528599	0.66	cps
Molybdenum	95-1	18318857	18085611	18178558	18194342	0.65	cps
Molybdenum	96-1	19734970	19523928	19766186	19675028	0.67	cps
Molybdenum	97-1	11072864	11136576	11276587	11162009	0.93	cps
Molybdenum	98-1	28557640	28732711	28530145	28606832	0.38	cps
Neodymium	150-1	153	197	220	190	17.80	cps
Neodymium	150-2	107	83	103	98	12.91	cps
Nickel	60-2	918314	920897	914271	917827	0.36	cps
Phosphorus	31-2	86986	87683	86503	87057	0.68	cps
Potassium	39-2	47384538	47883183	46461463	47243061	1.53	cps
Rhodium	103-1	6460174	6333868	6400732	6398258	0.99	cps
Rhodium	103-2	4150515	4143532	4109250	4134432	0.53	cps
Scandium	45-1	4485097	4378660	4453719	4439159	1.23	cps
Scandium	45-2	343087	342020	342703	342603	0.16	cps
Selenium	82-1	64187	64895	65673	64918	1.15	cps
Selenium	77-2	7042	6805	6872	6906	1.77	cps
Selenium	78-2	23335	23739	22821	23298	1.98	cps
Silicon	28-1	29557217	30172475	30279877	30003190	1.30	cps
Silver	107-1	4538573	4577070	4576750	4564131	0.48	cps
Silver	109-1	4345831	4302846	4294401	4314359	0.64	cps
Sodium	23-2	121740388	121609528	125028561	122792826	1.58	cps
Strontium	86-1	999599	996052	1002750	999467	0.34	cps
Strontium	88-1	10056327	9926136	10143775	10042080	1.09	cps
Sulfur	34-1	461542	454890	453321	456584	0.96	cps
Terbium	159-1	7313660	7299653	7272726	7295346	0.29	cps
Terbium	159-2	6048297	5994369	6077326	6039998	0.70	cps
Thallium	203-1	2724329	2715049	2735785	2725054	0.38	cps
Thallium	205-1	6477148	6523836	6572934	6524639	0.73	cps
Tin	118-1	2712286	2789452	2799824	2767187	1.73	cps
Titanium	47-1	5294780	5273840	5377308	5315309	1.03	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:28:02	DataFile Name :	094CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8092104	8312024	8269035	8224388	1.42	cps
Vanadium	51-2	1432976	1442977	1454789	1443581	0.76	cps
Yttrium	89-1	10632621	10340391	10487093	10486701	1.39	cps
Yttrium	89-2	2877499	2943098	2920291	2913629	1.14	cps
Zinc	66-2	3579516	3530072	3495939	3535175	1.19	cps
Zirconium	90-1	6331684	6489004	6400404	6407031	1.23	cps
Zirconium	91-1	1208153	1213220	1212000	1211124	0.22	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:30:49	DataFile Name :	095CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	250	343	287	293	16.03	cps
Antimony	121-1	722	815	702	746	8.08	cps
Arsenic	75-2	7	10	7	8	24.71	cps
Barium	135-1	43	43	40	42	4.55	cps
Barium	137-1	87	83	87	86	2.25	cps
Beryllium	9-1	14	7	11	11	31.64	cps
Bismuth	209-1	4348001	4326065	4230497	4301521	1.45	cps
Bismuth	209-2	4520491	4445297	4552292	4506027	1.22	cps
Bromine	81-1	10287	10240	10337	10288	0.47	cps
Bromine	81-2	210	220	200	210	4.76	cps
Cadmium	108-1	3	10	3	6	69.34	cps
Cadmium	106-1	2254	2254	2320	2276	1.69	cps
Cadmium	111-1	1622	1604	1648	1625	1.38	cps
Calcium	43-1	320	330	253	301	13.84	cps
Calcium	44-1	36811	37055	36654	36840	0.55	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2017	2154	2150	2107	3.70	cps
Cobalt	59-2	100	97	67	88	20.91	cps
Copper	63-2	2270	2157	2217	2215	2.56	cps
Dysprosium	156-1	7	0	10	6	91.64	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	37	40	33	37	9.10	cps
Erbium	164-2	47	40	33	40	16.68	cps
Gadolinium	160-1	37	47	40	41	12.39	cps
Gadolinium	160-2	270	240	287	266	8.91	cps
Holmium	165-1	6827184	6832808	6756976	6805656	0.62	cps
Holmium	165-2	5865151	5857698	5832801	5851883	0.29	cps
Indium	115-1	6258376	6366795	6299765	6308312	0.87	cps
Indium	115-2	2595827	2553475	2587801	2579034	0.87	cps
Iron	56-2	23555	23138	23178	23290	0.99	cps
Iron	57-2	1237	1160	1280	1226	4.96	cps
Iron	54-2	2697	2787	2677	2720	2.15	cps
Krypton	83-1	620	530	527	559	9.47	cps

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:30:49	DataFile Name :	095CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	850	763	797	803	5.44	cps
Lead	207-1	630	700	667	666	5.26	cps
Lead	208-1	3378	3239	3205	3274	2.80	cps
Lithium	6-1	433981	434437	428833	432417	0.72	cps
Magnesium	24-2	593	760	663	672	12.45	cps
Manganese	55-2	747	773	787	769	2.65	cps
Molybdenum	94-1	703	660	693	686	3.31	cps
Molybdenum	95-1	777	647	683	702	9.55	cps
Molybdenum	96-1	940	783	823	849	9.59	cps
Molybdenum	97-1	557	517	467	513	8.78	cps
Molybdenum	98-1	1213	1073	1040	1109	8.29	cps
Neodymium	150-1	0	3	10	4	114.60	cps
Neodymium	150-2	3	10	3	6	69.34	cps
Nickel	60-2	459	488	505	484	4.82	cps
Phosphorus	31-2	360	340	337	346	3.65	cps
Potassium	39-2	65554	64492	64998	65015	0.82	cps
Rhodium	103-1	6374151	6442840	6296427	6371139	1.15	cps
Rhodium	103-2	4221608	4137742	4239153	4199501	1.29	cps
Scandium	45-1	4229930	4225795	4210296	4222007	0.25	cps
Scandium	45-2	329978	327098	331128	329401	0.63	cps
Selenium	82-1	91	159	161	137	29.01	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	500	487	530	506	4.39	cps
Silicon	28-1	718471	703294	702061	707942	1.29	cps
Silver	107-1	351	348	234	311	21.36	cps
Silver	109-1	333	273	207	271	23.37	cps
Sodium	23-2	36888	35671	35621	36060	1.99	cps
Strontium	86-1	870	907	810	862	5.66	cps
Strontium	88-1	237	180	170	196	18.39	cps
Sulfur	34-1	176361	177962	178462	177595	0.62	cps
Terbium	159-1	7103639	6952203	6999859	7018567	1.10	cps
Terbium	159-2	5878872	5814580	5859945	5851132	0.56	cps
Thallium	203-1	500	517	523	513	2.34	cps
Thallium	205-1	1517	1323	1350	1397	7.50	cps
Tin	118-1	1110	1057	1017	1061	4.41	cps
Titanium	47-1	110	127	140	126	11.97	cps

Reviewed By:jaswal
On:7/24/2025 3:00:02 PM
Inst Id :P7
LB :LB136576

LB Number :	LB136576	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired :	2025-07-22 22:30:49	DataFile Name :	095CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	110	83	97	97	13.79	cps
Vanadium	51-2	20	27	23	23	14.29	cps
Yttrium	89-1	9959560	10005955	10007961	9991159	0.27	cps
Yttrium	89-2	2904234	2819284	2870896	2864805	1.49	cps
Zinc	66-2	497	570	517	528	7.18	cps
Zirconium	90-1	690	673	833	732	12.01	cps
Zirconium	91-1	183	153	123	153	19.56	cps

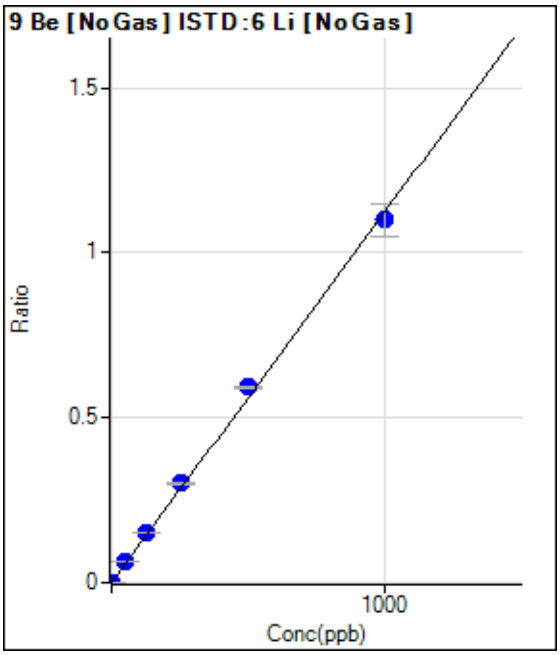
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

Calibration for 011CALS.d

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

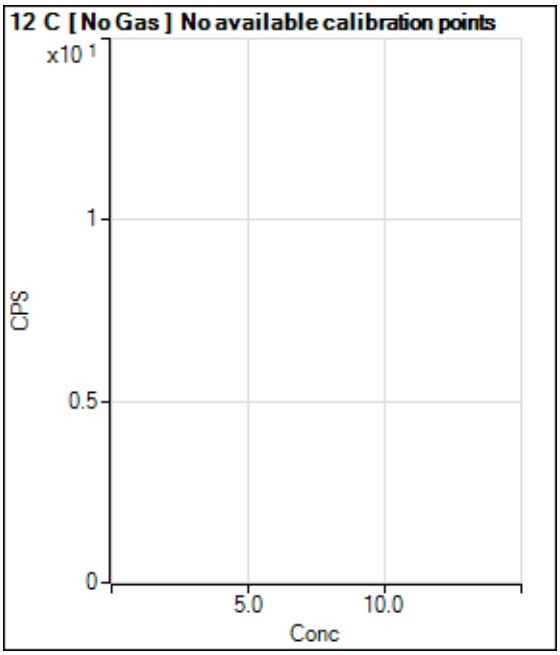
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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

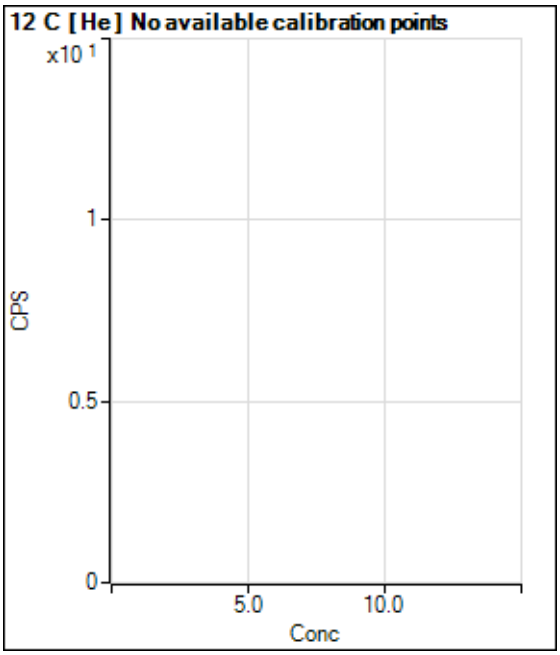
y = 0.0011 * x + 4.8147E-006
R = 0.9992
DL = 0.01276
BEC = 0.004289

Weight: <None>
Min Conc: <None>

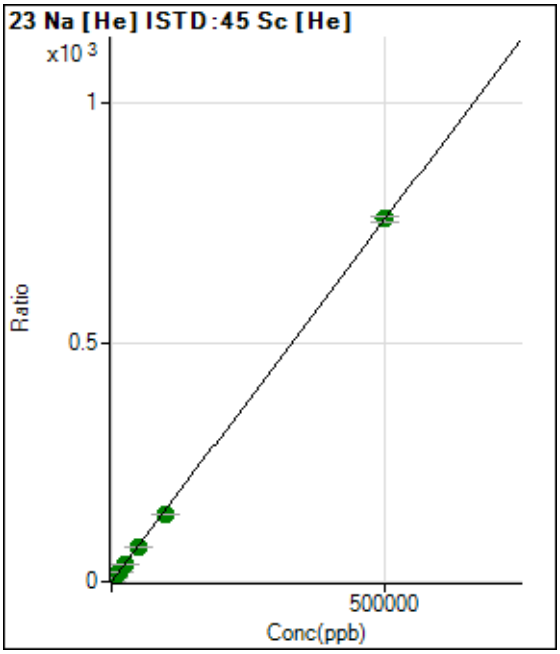


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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	☐						

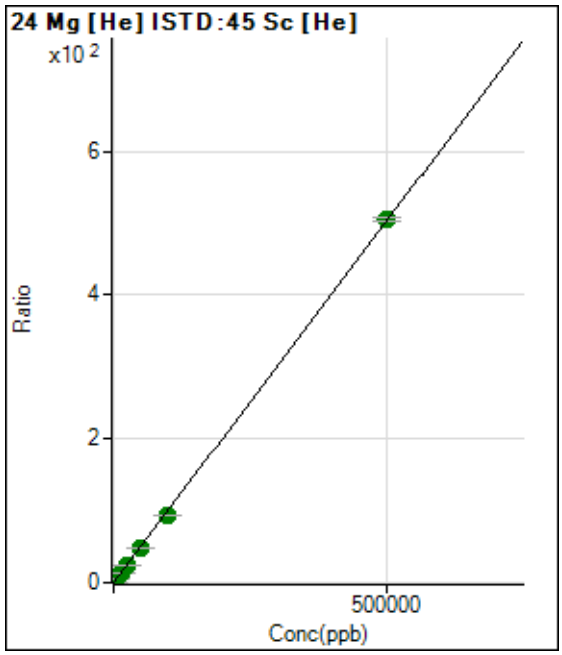


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21018.88	0.0619	P	1.3
2	☐	500.000	394.561	225428.56	0.6588	P	0.7
3	☐	5000.000	4932.919	2525984.41	7.5244	A	0.5
4	☐	12500.000	12273.243	6324185.67	18.6288	A	0.7
5	☐	25000.000	24150.911	12397341.90	36.5972	A	1.4
6	☐	50000.000	47342.321	24739152.96	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>

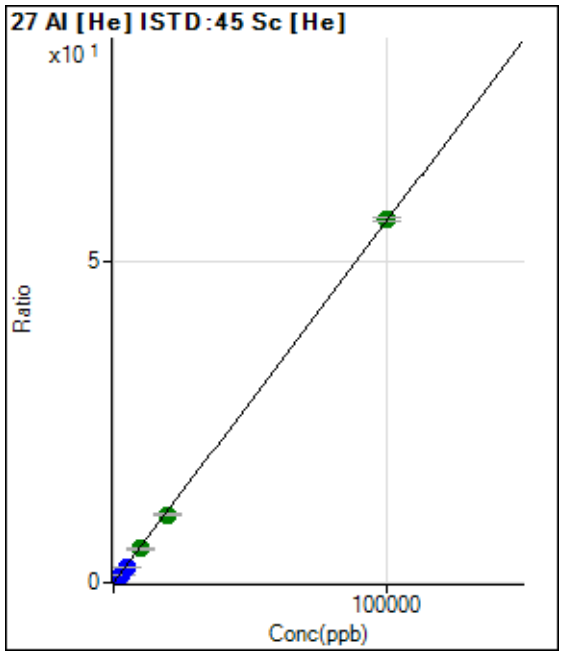
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

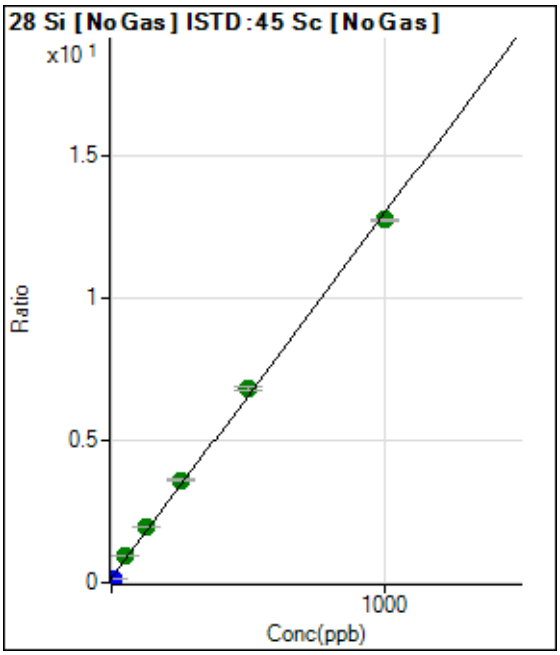


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	413.35	0.0012	P	10.0
2	☐	20.000	15.724	3450.42	0.0101	P	2.4
3	☐	1000.000	873.865	165815.81	0.4939	P	0.3
4	☐	2500.000	2123.757	406925.48	1.1987	P	0.6
5	☐	5000.000	4200.399	802696.11	2.3695	P	0.4
6	☐	10000.000	9316.306	1813313.83	5.2541	A	0.3
7	☐	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>

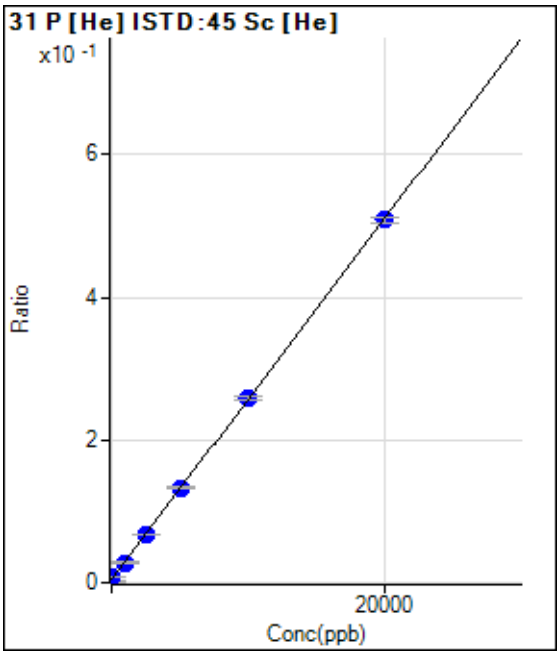
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

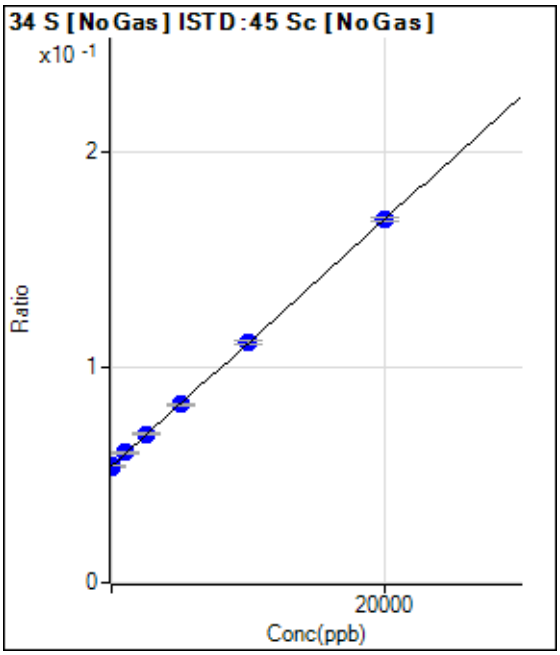


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-130.563	467.79	0.0014	P	9.7
2	☐	0.000	130.563	2728.05	0.0080	P	5.2
3	☐	1000.000	929.948	9456.35	0.0282	P	2.0
4	☐	2500.000	2468.015	22752.60	0.0670	P	0.7
5	☐	5000.000	5074.312	45006.20	0.1329	P	1.4
6	☐	10000.000	10092.935	89601.91	0.2596	P	2.3
7	☐	20000.000	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>

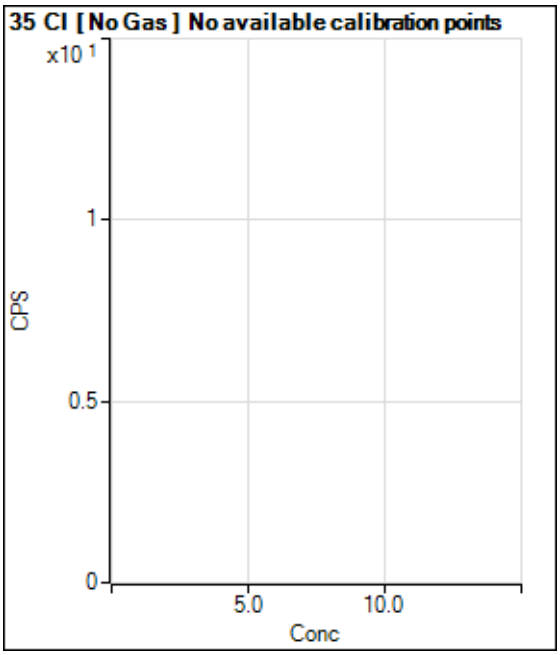
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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

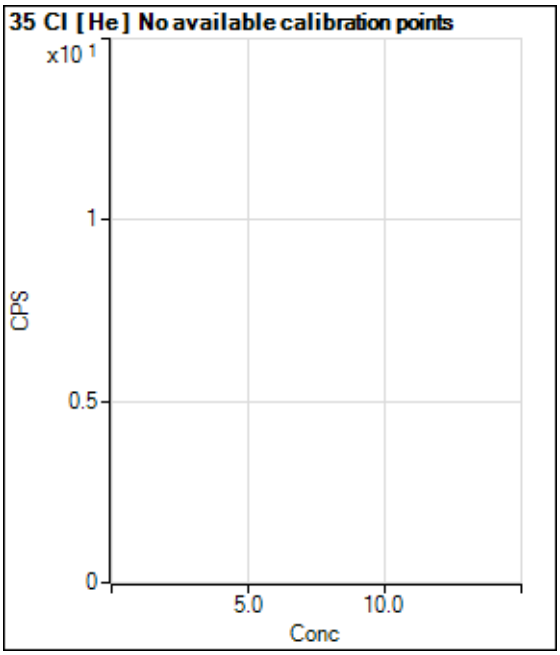
y = 5.7390E-006 * x + 0.0542
R = 1.0000
DL = 343.7
BEC = 9452

Weight: <None>
Min Conc: <None>

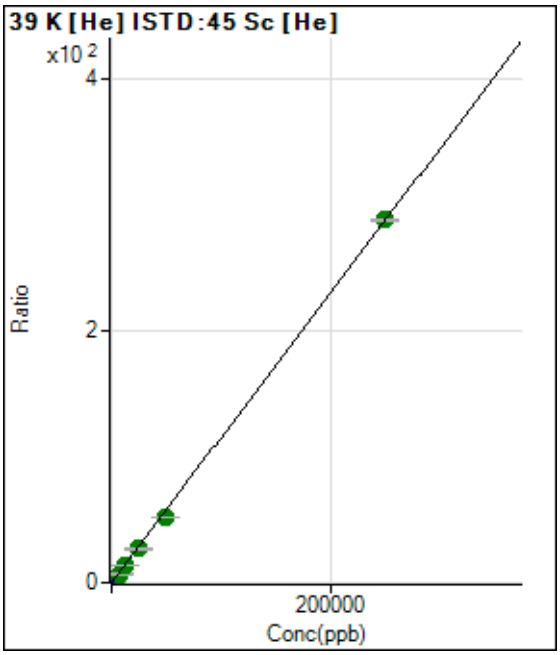


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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	☐						

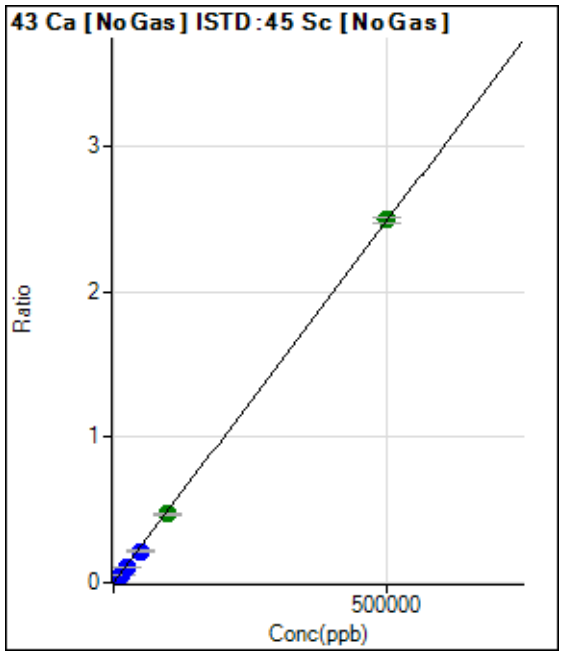


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	64905.50	0.1912	P	0.7
2	☐	500.000	399.058	221966.52	0.6487	P	1.0
3	☐	2500.000	2156.845	894317.52	2.6640	P	0.6
4	☐	6250.000	5819.689	2330086.04	6.8634	A	0.4
5	☐	12500.000	11627.232	4580584.86	13.5218	A	1.9
6	☐	25000.000	23262.493	9270490.77	26.8617	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>

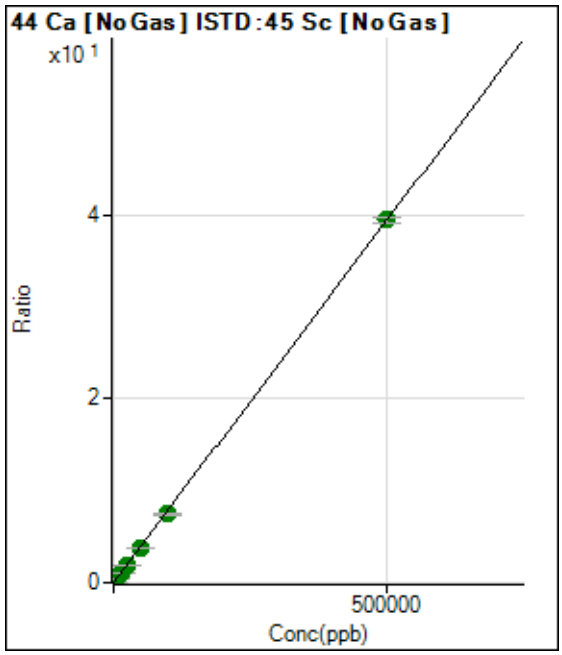
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

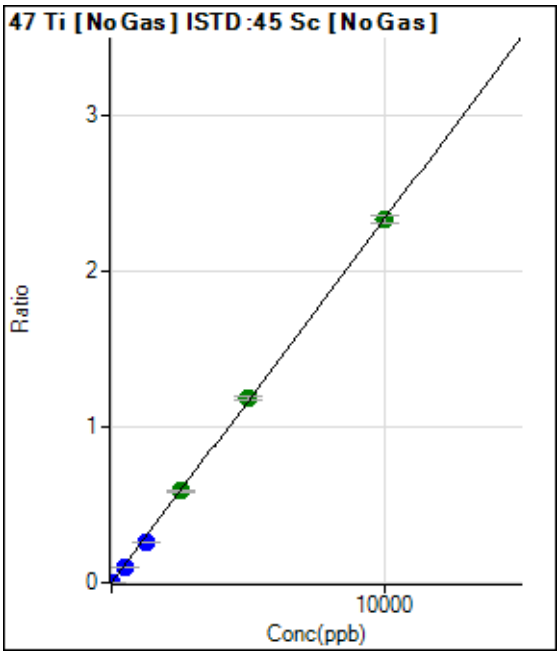


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23866.77	0.0063	P	4.6
2	☐	500.000	412.035	150171.53	0.0387	P	1.8
3	☐	5000.000	4799.130	1467001.23	0.3838	A	1.6
4	☐	12500.000	11992.703	3668290.99	0.9498	A	1.6
5	☐	25000.000	24074.612	7288209.75	1.9003	A	0.9
6	☐	50000.000	48156.020	14675293.39	3.7948	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>

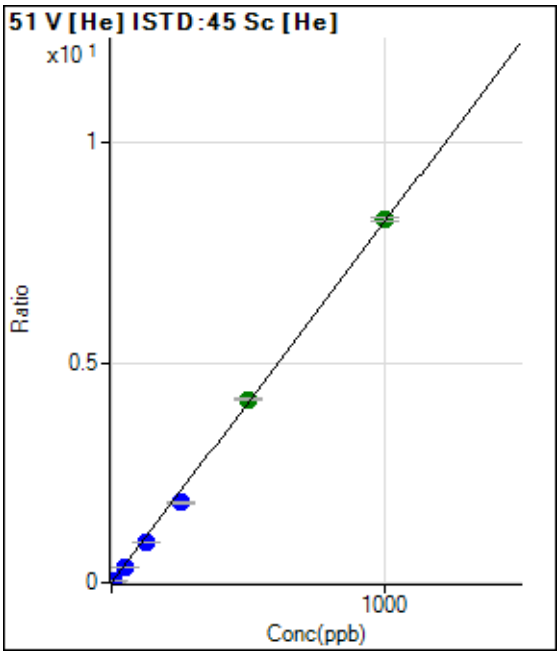
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

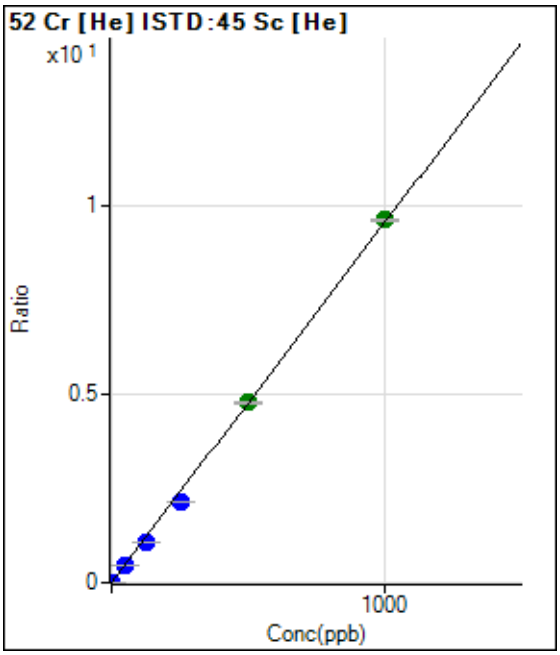


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0001	P	21.7
2	☐	5.000	4.281	12038.25	0.0352	P	0.8
3	☐	50.000	45.066	124089.20	0.3696	P	0.7
4	☐	125.000	110.753	308336.39	0.9083	P	1.3
5	☐	250.000	221.155	614363.18	1.8136	P	0.3
6	☐	500.000	507.604	1436621.89	4.1625	A	0.8
7	☐	1000.000	1005.440	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>

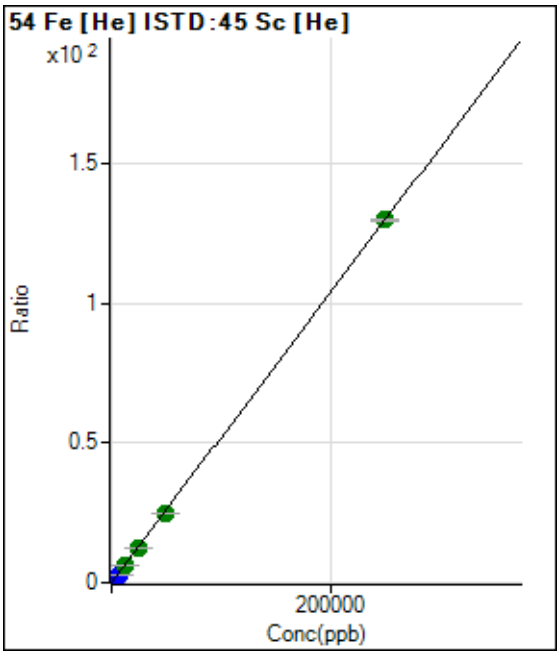
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

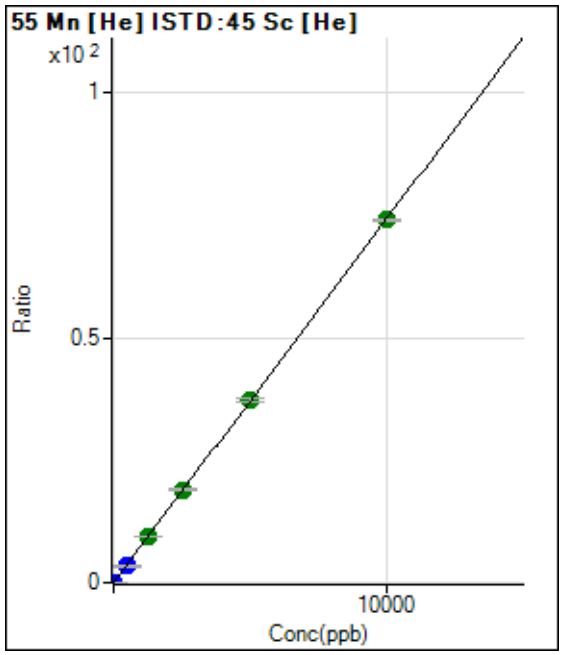


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2616.92	0.0077	P	3.9
2	☐	50.000	42.553	10181.32	0.0298	P	0.9
3	☐	2500.000	2275.807	398376.26	1.1867	P	0.5
4	☐	6250.000	5577.444	983477.94	2.8971	P	0.9
5	☐	12500.000	12366.132	2172761.18	6.4139	A	1.2
6	☐	25000.000	23897.716	4275319.52	12.3877	A	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>

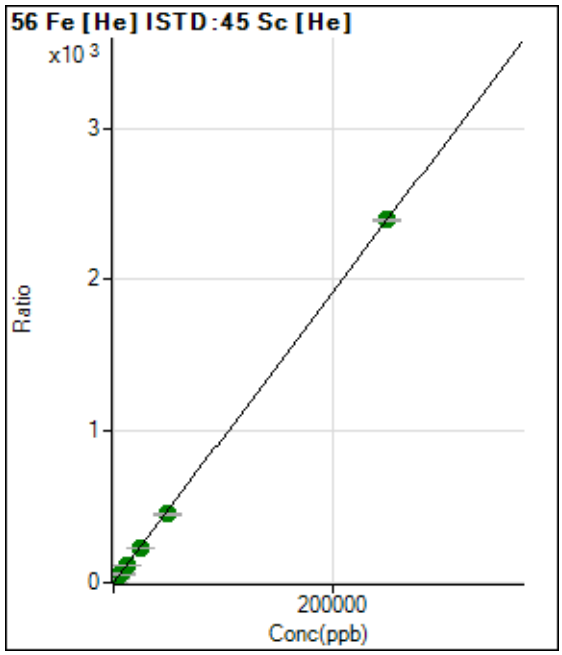
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

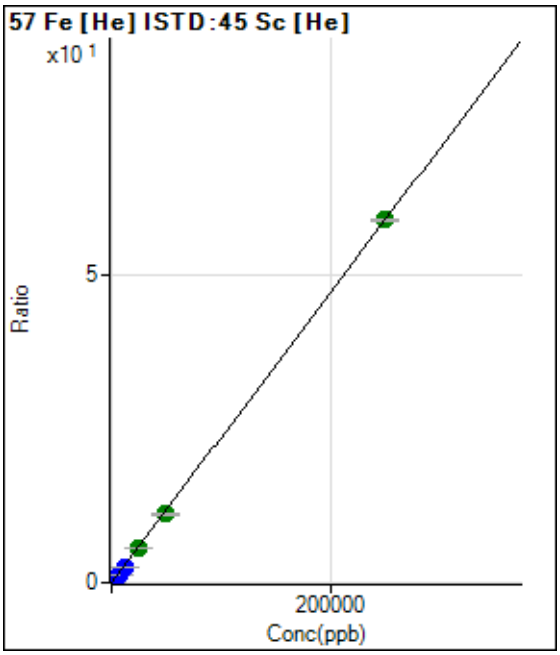


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20209.22	0.0595	P	1.2
2	☐	50.000	41.679	156610.99	0.4577	P	0.6
3	☐	2500.000	2466.505	7929875.71	23.6221	A	1.4
4	☐	6250.000	6004.783	19493444.30	57.4234	A	2.5
5	☐	12500.000	11935.830	38646020.81	114.0829	A	0.9
6	☐	25000.000	23498.403	77493286.62	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>

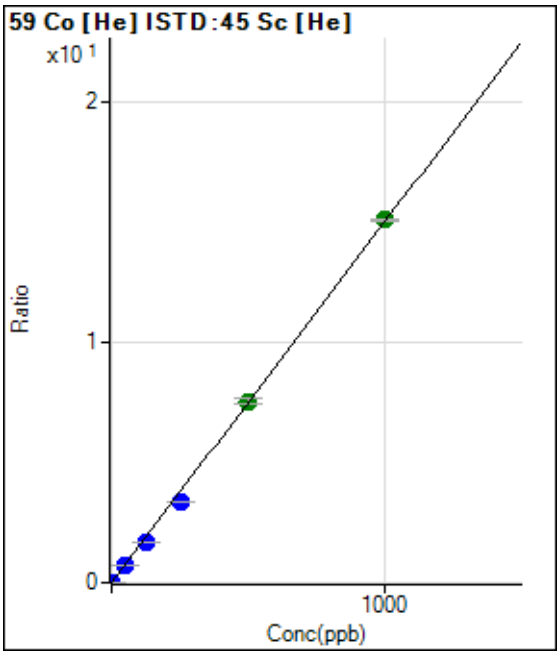
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

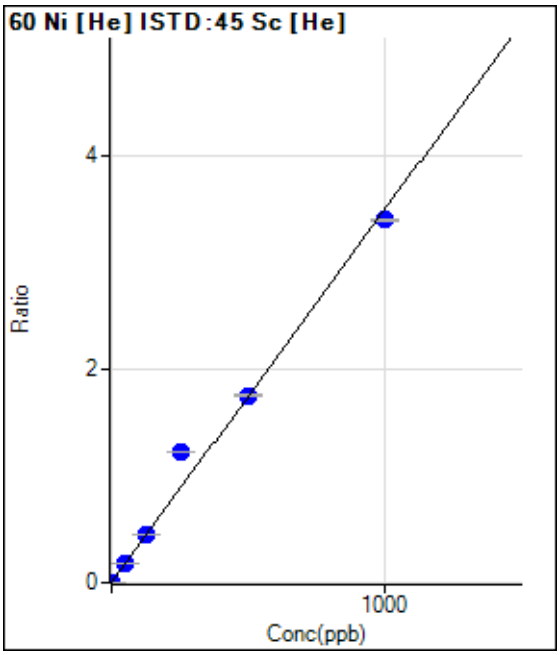


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65.56	0.0002	P	3.1
2	☐	1.000	0.920	4780.81	0.0140	P	5.2
3	☐	50.000	45.445	228635.56	0.6811	P	0.3
4	☐	125.000	112.142	570452.83	1.6803	P	0.5
5	☐	250.000	222.330	1128452.94	3.3312	P	0.3
6	☐	500.000	503.992	2606043.45	7.5511	A	3.1
7	☐	1000.000	1006.757	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>

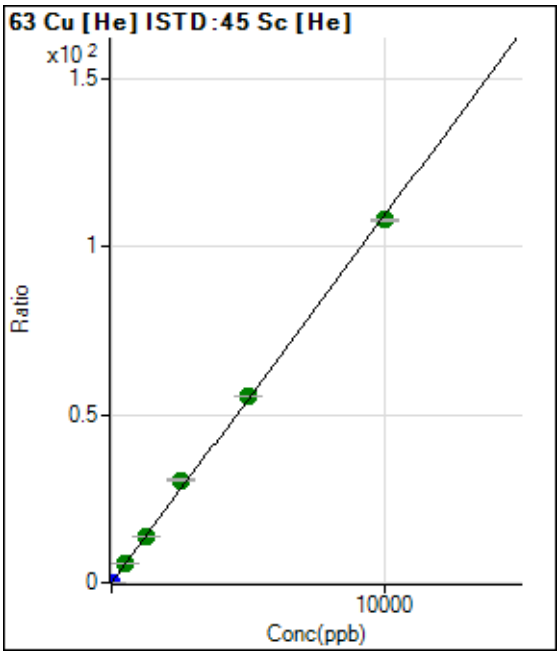
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

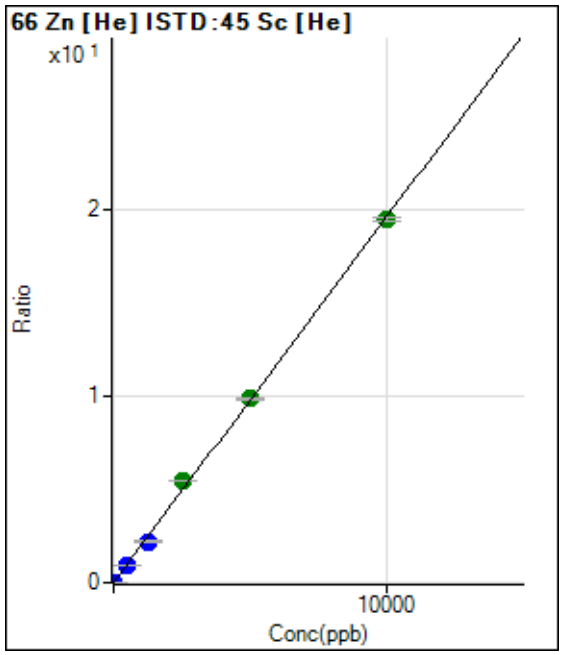


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1941.26	0.0057	P	0.8
2	☐	2.000	1.657	8147.85	0.0238	P	1.0
3	☐	500.000	519.630	1906826.22	5.6800	A	0.7
4	☐	1250.000	1267.629	4701018.37	13.8481	A	1.2
5	☐	2500.000	2800.788	10362418.53	30.5900	A	1.0
6	☐	5000.000	5080.965	19150787.91	55.4892	A	0.1
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>

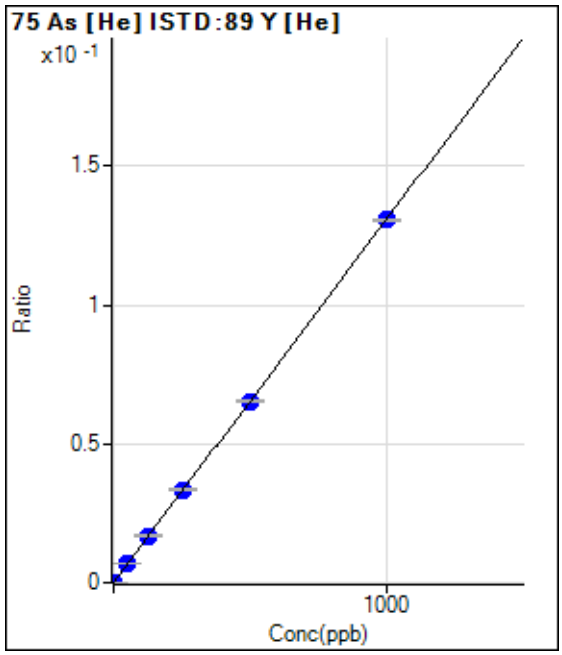
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

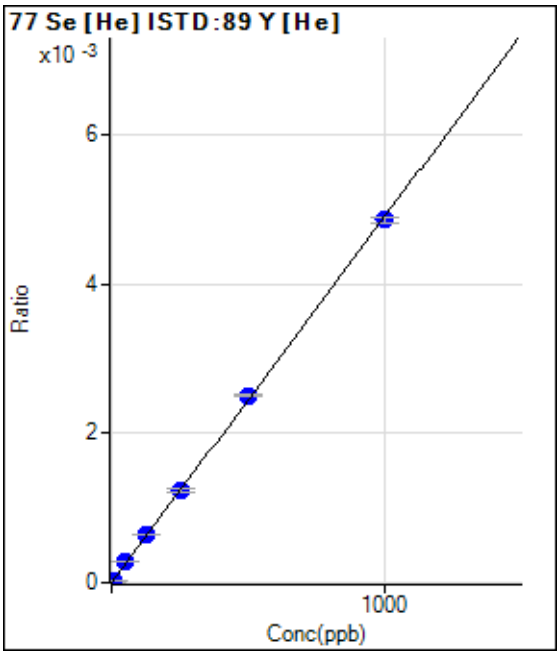


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.22	0.0000	P	41.0
2	☐	1.000	1.196	430.01	0.0002	P	5.5
3	☐	50.000	52.395	18282.47	0.0069	P	2.5
4	☐	125.000	129.290	45740.46	0.0169	P	2.6
5	☐	250.000	255.182	90477.13	0.0334	P	1.6
6	☐	500.000	498.992	181585.25	0.0653	P	0.6
7	☐	1000.000	998.552	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>

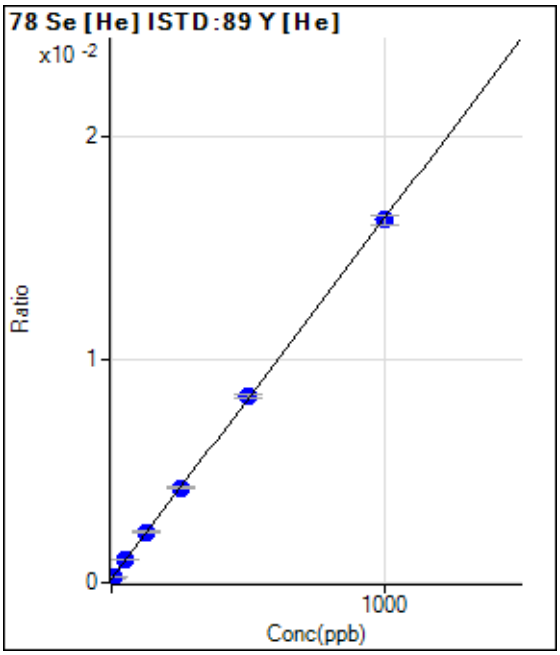
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

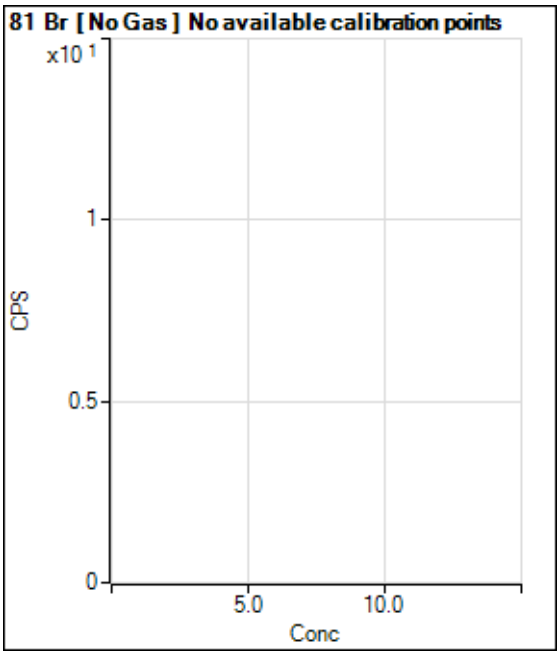


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	470.01	0.0002	P	7.4
2	☐	5.000	5.676	714.47	0.0003	P	5.9
3	☐	50.000	53.841	2785.85	0.0010	P	5.4
4	☐	125.000	128.647	6093.54	0.0023	P	2.8
5	☐	250.000	253.079	11551.28	0.0043	P	2.1
6	☐	500.000	504.982	23171.60	0.0083	P	2.2
7	☐	1000.000	996.088	46093.81	0.0163	P	2.6
8	☐			524.46	0.0002	P	13.2

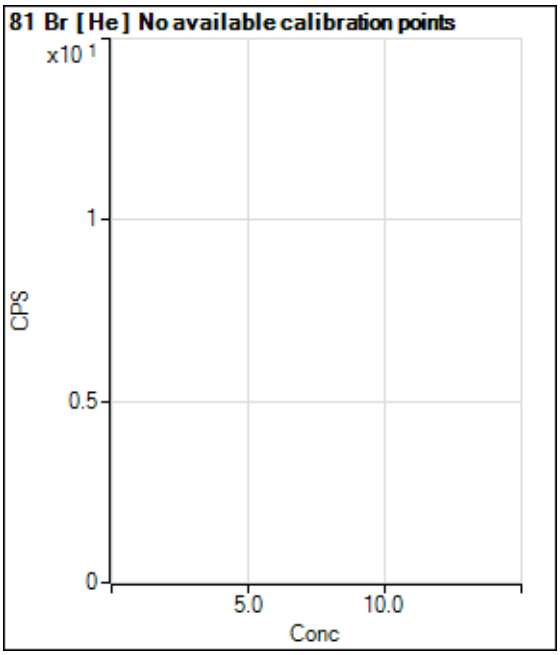
y = 1.6144E-005 * x + 1.7577E-004
R = 1.0000
DL = 2.415
BEC = 10.89

Weight: <None>
Min Conc: <None>

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

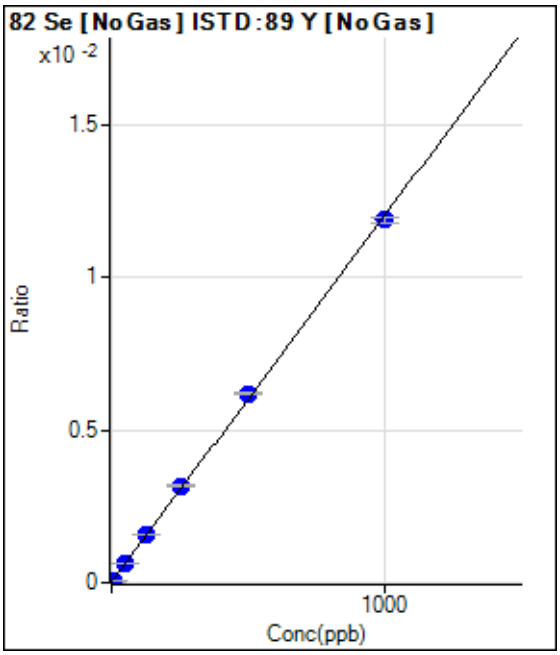


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8186.80		P	1.2
2	☐			8127.87		P	1.6
3	☐			8043.38		P	1.0
4	☐			8302.43		P	0.4
5	☐			8266.84		P	0.6
6	☐			8558.11		P	1.5
7	☐			8763.79		P	2.8
8	☐			9272.98		P	2.6



	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

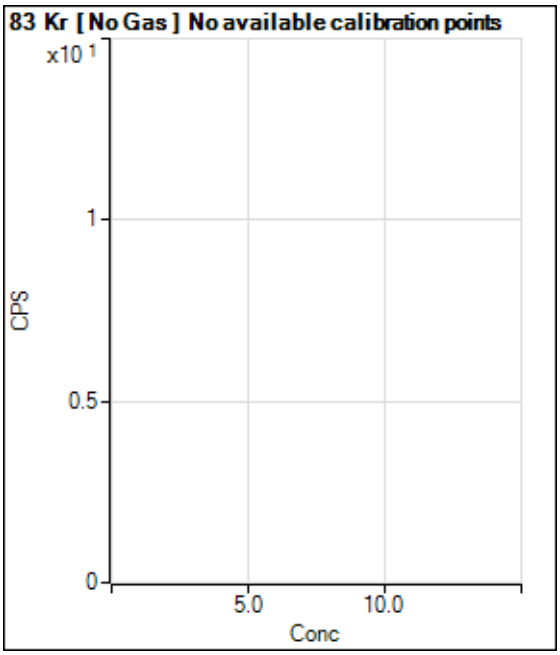
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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

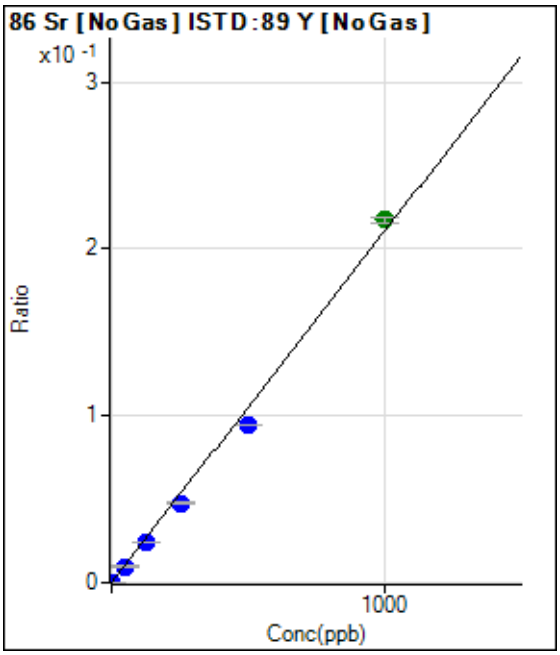
y = 1.1990E-005 * x + 1.6915E-005
R = 0.9998
DL = 0.2607
BEC = 1.411

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

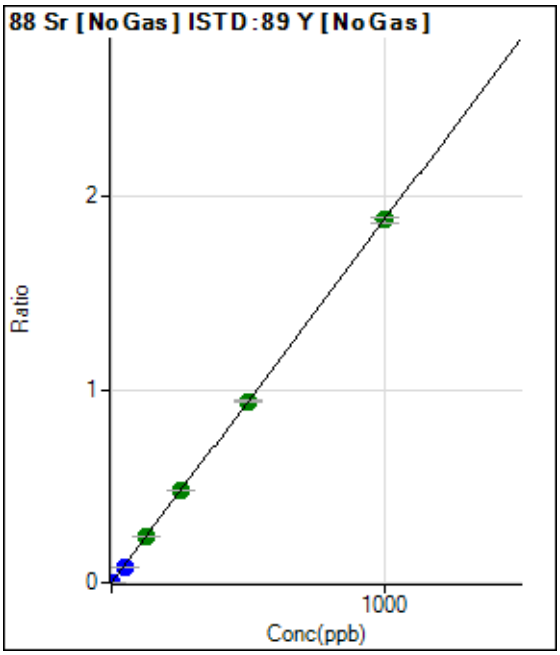
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

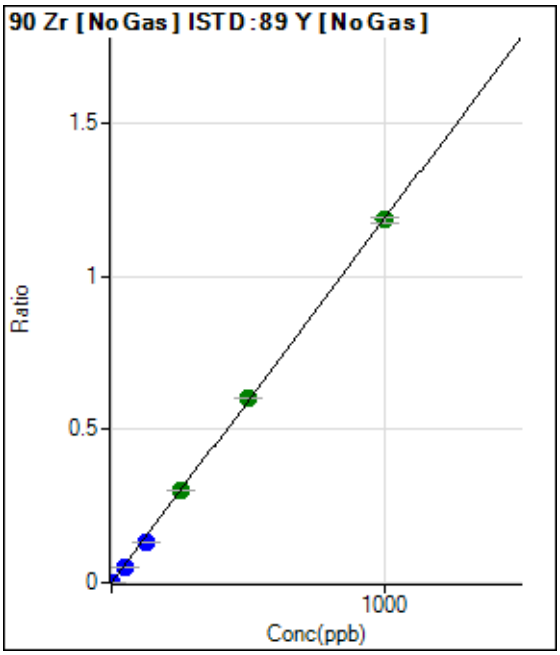


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.44	0.0000	P	1.7
2	☐	1.000	0.852	14260.35	0.0016	P	2.0
3	☐	50.000	44.557	735751.86	0.0838	P	0.8
4	☐	125.000	125.573	2112710.56	0.2363	A	0.8
5	☐	250.000	254.566	4271692.22	0.4789	A	1.5
6	☐	500.000	499.307	8555837.09	0.9394	A	0.5
7	☐	1000.000	999.406	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>

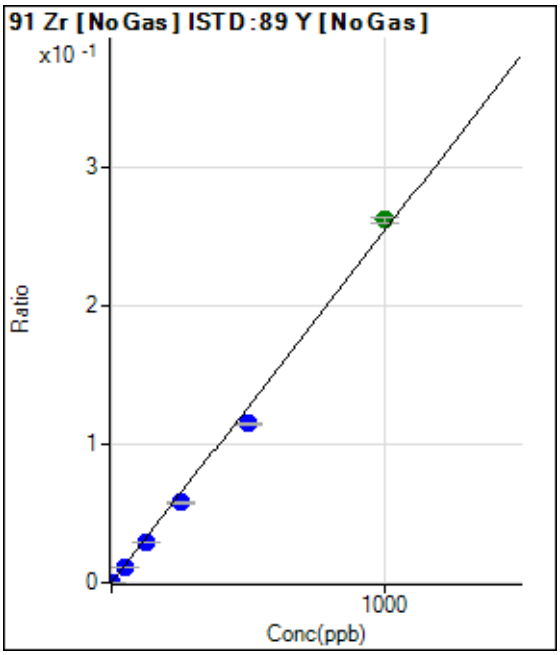
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

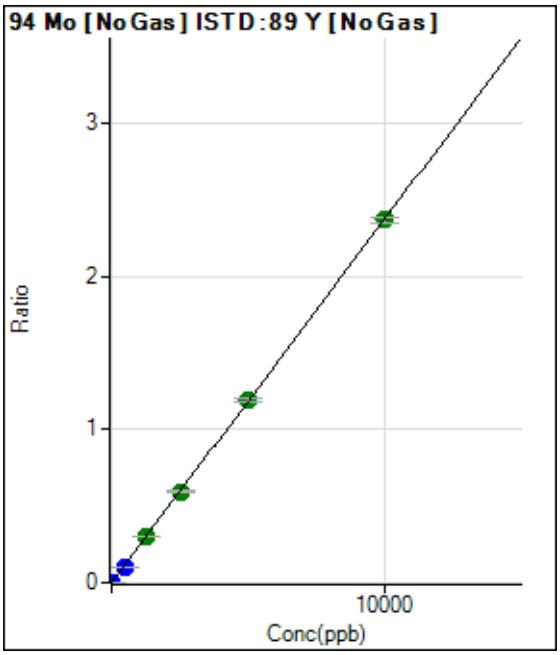


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0000	P	6.3
2	☐	1.000	0.919	2112.40	0.0002	P	0.7
3	☐	50.000	45.832	102074.38	0.0116	P	0.5
4	☐	125.000	113.466	257398.64	0.0288	P	2.0
5	☐	250.000	227.013	513604.17	0.0576	P	1.5
6	☐	500.000	451.912	1044002.16	0.1146	P	0.4
7	☐	1000.000	1031.441	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>

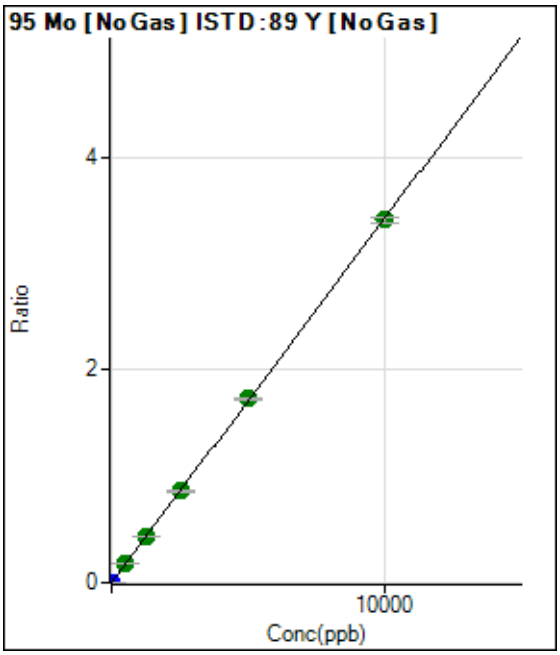
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

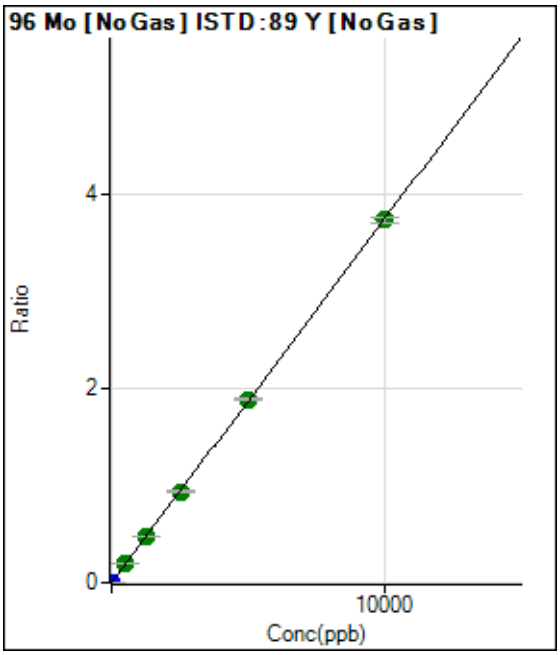


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	190.00	0.0000	P	4.8
2	☐	5.000	4.283	13139.32	0.0015	P	0.9
3	☐	500.000	510.548	1533174.70	0.1747	A	1.6
4	☐	1250.000	1264.327	3868728.31	0.4327	A	2.1
5	☐	2500.000	2521.958	7696995.16	0.8630	A	1.4
6	☐	5000.000	5052.896	15747555.32	1.7290	A	0.6
7	☐	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>

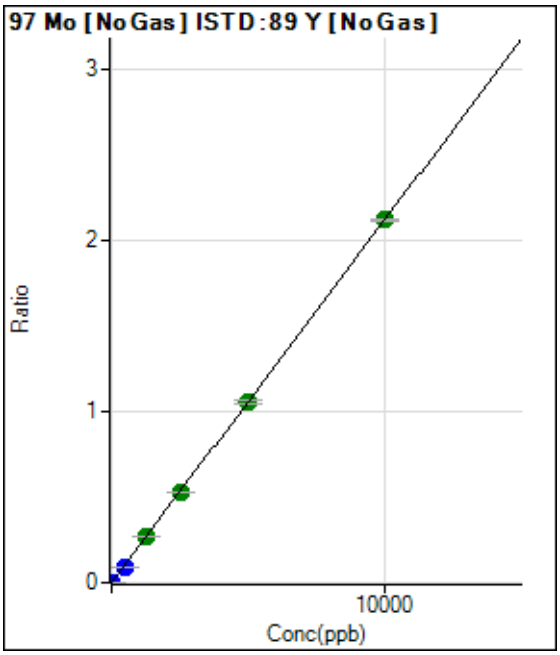
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

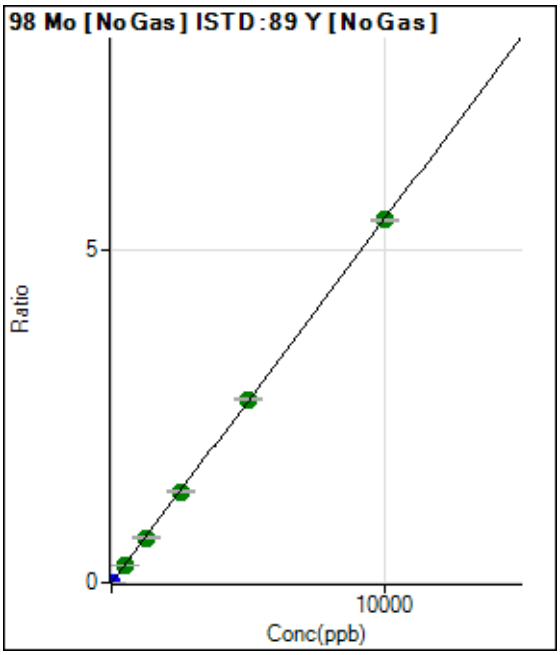


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	158.89	0.0000	P	8.7
2	☐	5.000	4.285	8187.92	0.0009	P	2.4
3	☐	500.000	442.597	823847.85	0.0939	P	0.9
4	☐	1250.000	1257.055	2383914.06	0.2666	A	1.1
5	☐	2500.000	2490.820	4711015.31	0.5282	A	1.6
6	☐	5000.000	4989.334	9637159.02	1.0581	A	1.3
7	☐	10000.000	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>

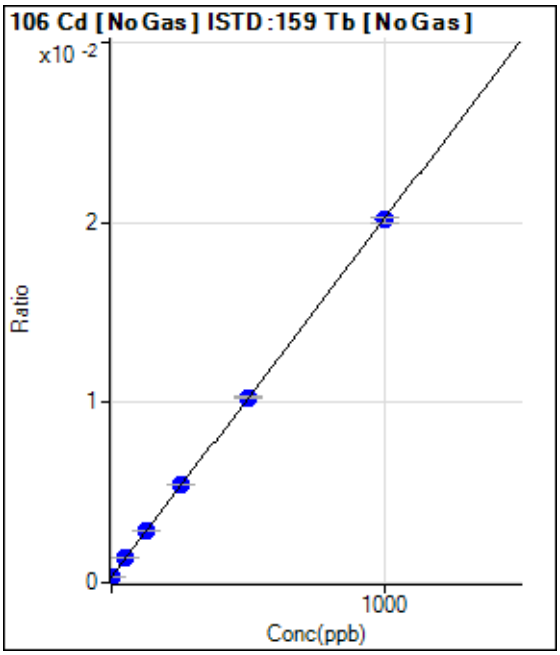
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

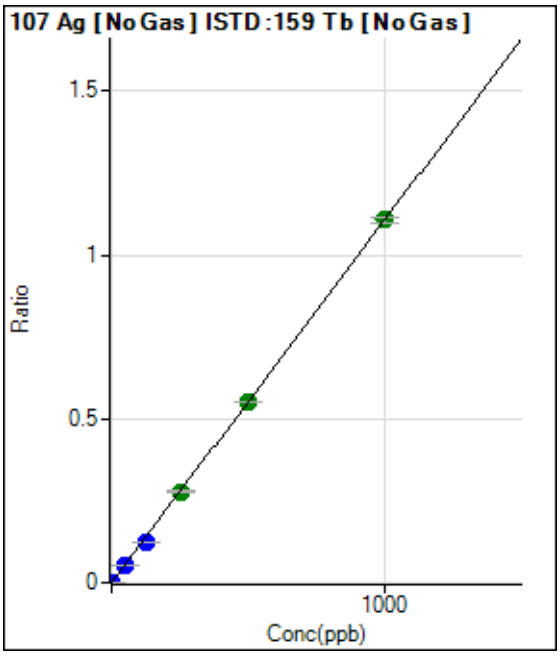


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2131.29	0.0003	P	3.7
2	☐	1.000	0.063	2194.64	0.0003	P	3.7
3	☐	50.000	52.368	9270.83	0.0014	P	1.0
4	☐	125.000	129.812	20002.77	0.0029	P	0.8
5	☐	250.000	255.437	37625.48	0.0054	P	0.2
6	☐	500.000	501.768	73606.63	0.0103	P	1.1
7	☐	1000.000	997.038	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>

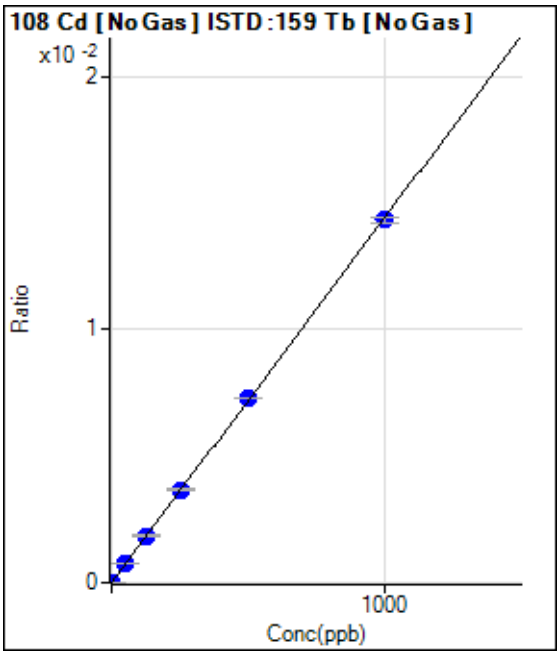
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

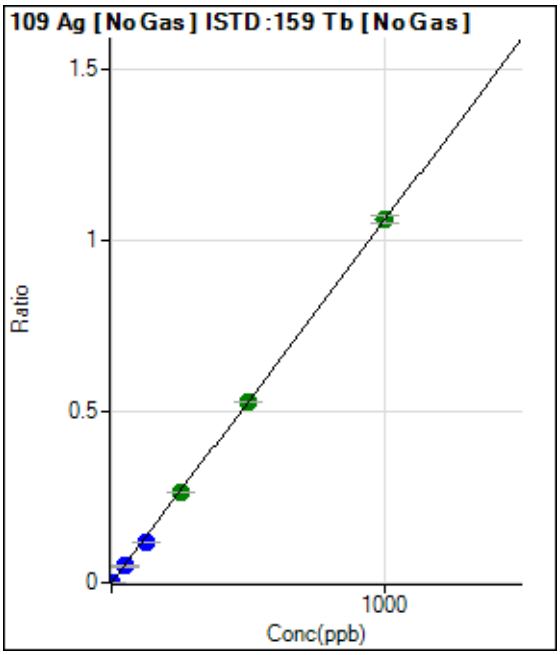


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	98.7
2	☐	1.000	0.962	97.78	0.0000	P	19.1
3	☐	50.000	52.875	5185.42	0.0008	P	2.0
4	☐	125.000	128.729	12781.27	0.0019	P	0.7
5	☐	250.000	255.485	25637.23	0.0037	P	1.3
6	☐	500.000	506.166	52109.01	0.0073	P	0.4
7	☐	1000.000	994.936	103531.31	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>

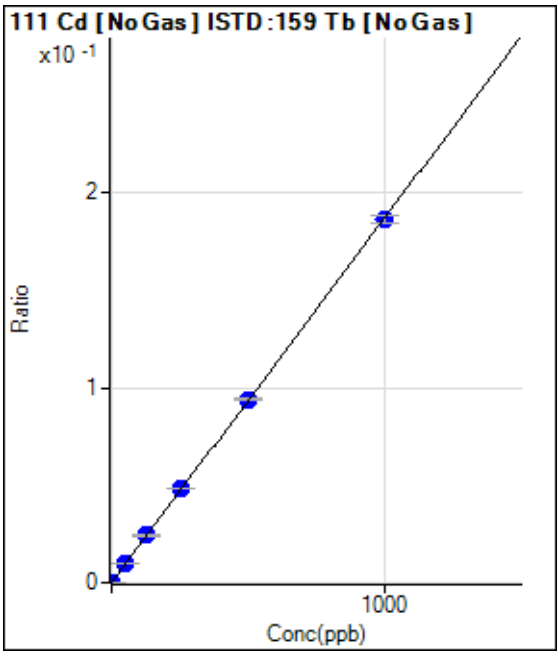
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

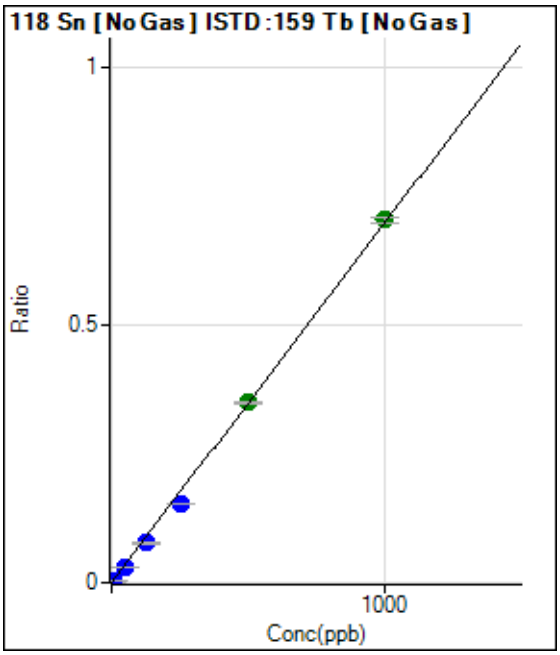


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	219.68	0.0000	P	4.5
2	☐	1.000	0.954	1439.98	0.0002	P	1.6
3	☐	50.000	53.122	67809.18	0.0100	P	1.7
4	☐	125.000	129.626	167235.42	0.0243	P	2.3
5	☐	250.000	257.076	335086.37	0.0481	P	0.6
6	☐	500.000	503.814	673450.98	0.0942	P	0.6
7	☐	1000.000	995.590	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>

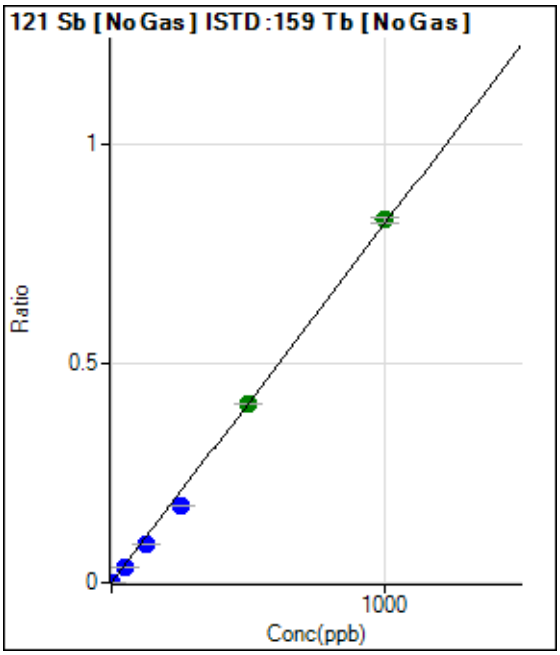
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

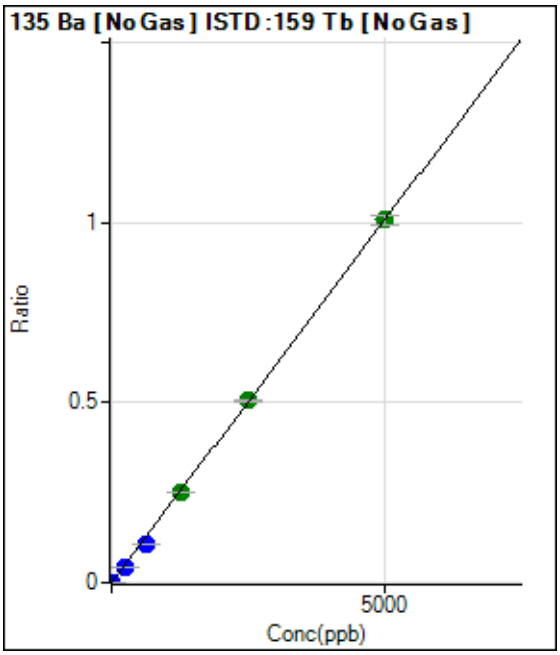


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.00	0.0000	P	38.2
2	☐	2.000	1.714	9604.41	0.0014	P	2.4
3	☐	50.000	43.855	244460.48	0.0359	P	1.1
4	☐	125.000	108.772	613963.23	0.0891	P	1.9
5	☐	250.000	214.752	1225383.95	0.1758	P	0.4
6	☐	500.000	498.332	2917225.62	0.4080	A	0.2
7	☐	1000.000	1011.982	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>

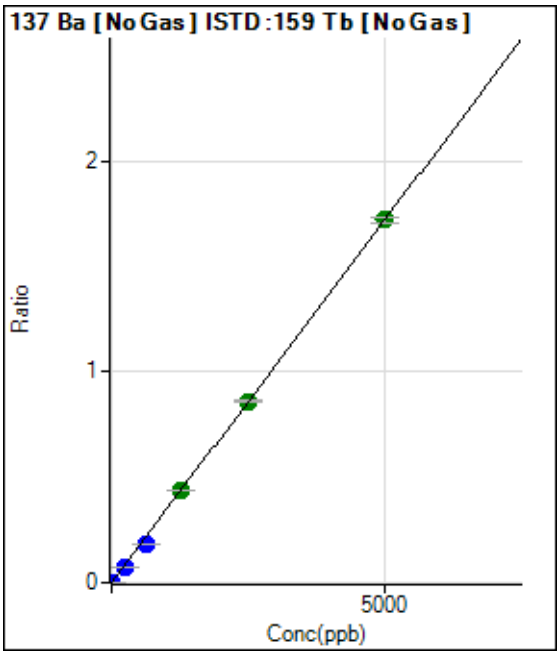
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

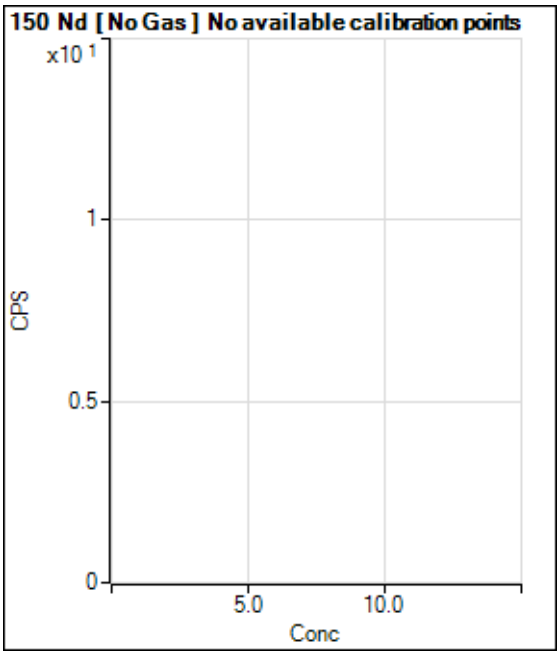


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36.67	0.0000	P	10.3
2	☐	10.000	8.193	19205.31	0.0028	P	2.0
3	☐	250.000	217.755	509084.86	0.0748	P	0.4
4	☐	625.000	538.885	1275733.92	0.1850	P	1.9
5	☐	1250.000	1268.175	3034978.19	0.4355	A	0.8
6	☐	2500.000	2502.047	6143171.30	0.8592	A	0.8
7	☐	5000.000	5006.813	12425113.56	1.7192	A	1.9
8	☐			6046.90	0.0008	P	0.7

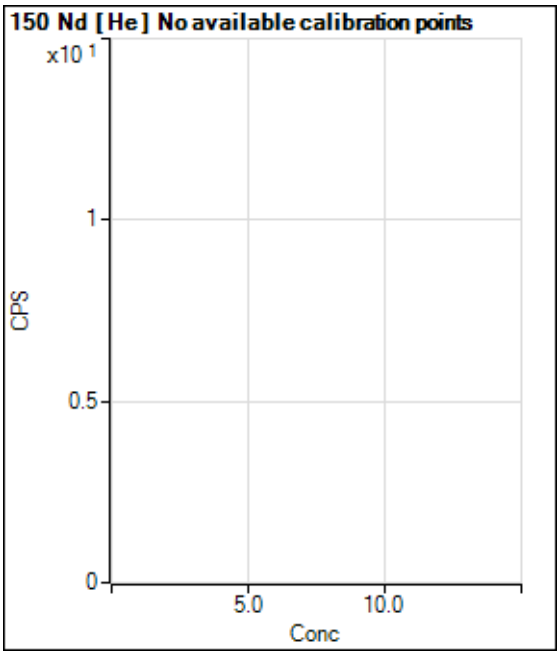
y = 3.4338E-004 * x + 5.5216E-006
R = 0.9998
DL = 0.004976
BEC = 0.01608

Weight: <None>
Min Conc: <None>

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

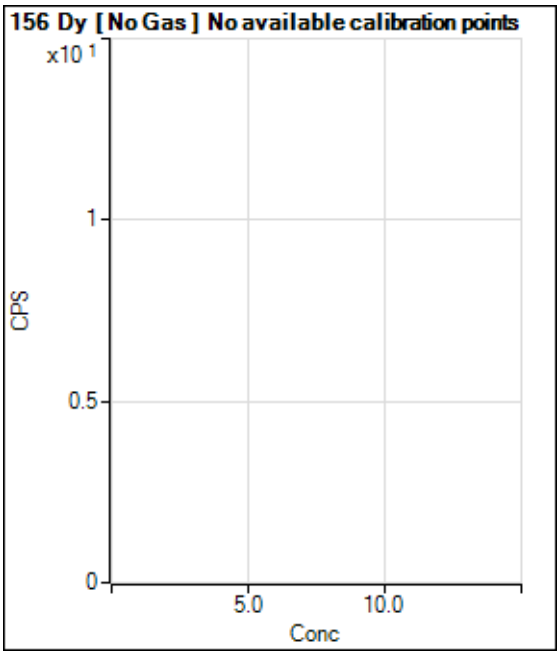


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	21.6
2	☐			3.33		P	100.
3	☐			18.89		P	71.3
4	☐			33.33		P	26.5
5	☐			71.11		P	24.1
6	☐			147.78		P	13.6
7	☐			268.89		P	15.7
8	☐			115.56		P	6.7

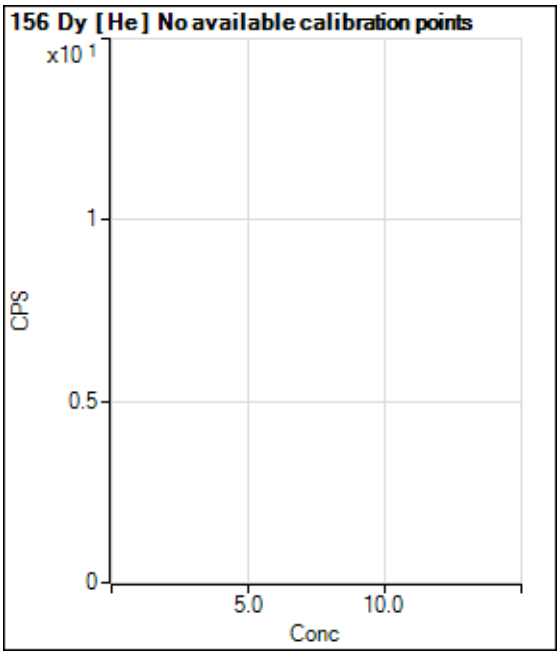


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3.33		P	100.
2	☐			3.33		P	100.
3	☐			7.78		P	65.5
4	☐			23.33		P	24.7
5	☐			22.22		P	22.9
6	☐			38.89		P	32.4
7	☐			110.00		P	24.1
8	☐			94.45		P	14.3

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

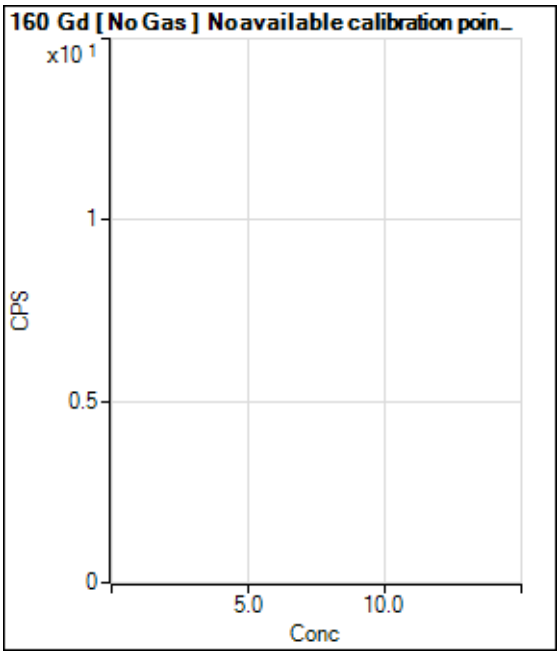


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			8.89		P	94.4
2	☐			8.89		P	43.3
3	☐			13.33		P	25.0
4	☐			20.00		P	44.1
5	☐			37.78		P	22.2
6	☐			66.67		P	10.0
7	☐			151.11		P	17.1
8	☐			286.67		P	9.3

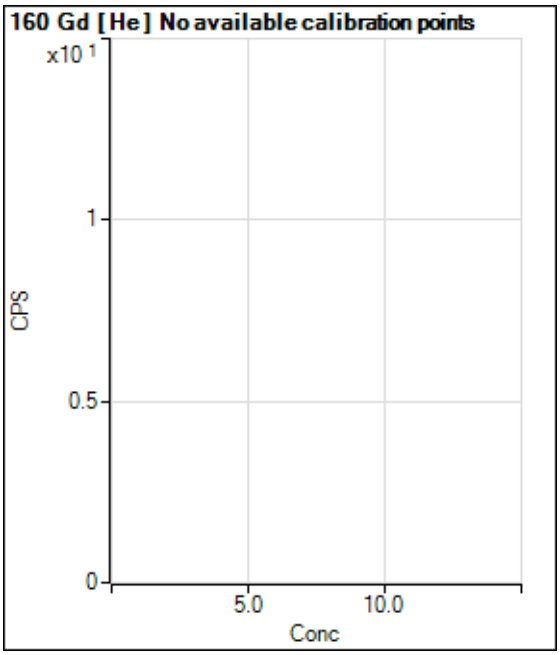


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.56		P	173.
2	☐			4.44		P	114.
3	☐			21.11		P	24.1
4	☐			51.11		P	26.4
5	☐			82.22		P	4.7
6	☐			157.78		P	15.9
7	☐			310.01		P	10.3
8	☐			285.56		P	3.8

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

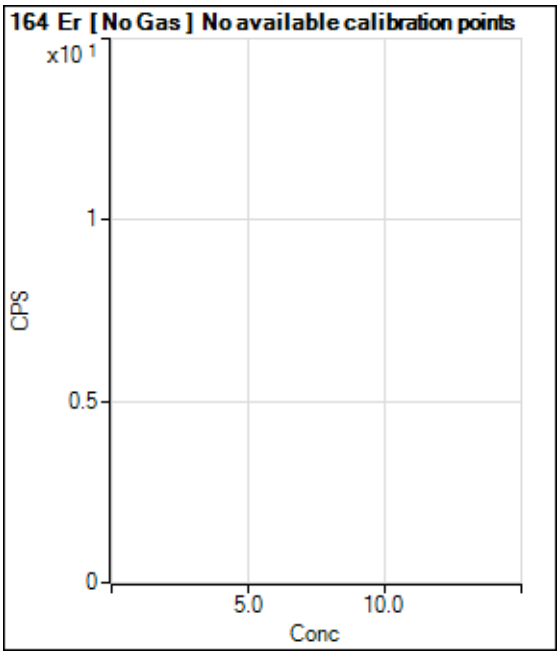


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			56.67		P	25.6
2	☐			42.22		P	9.1
3	☐			58.89		P	18.2
4	☐			65.56		P	22.9
5	☐			72.22		P	26.2
6	☐			95.56		P	5.3
7	☐			155.56		P	8.9
8	☐			372.23		P	15.3

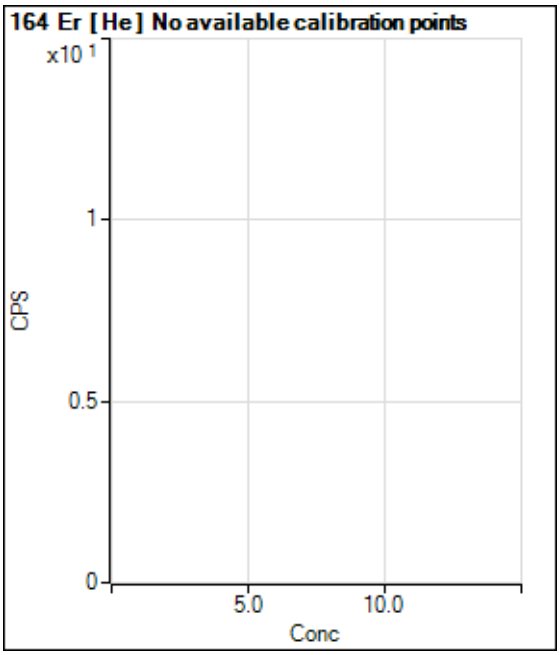


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			268.89		P	12.2
2	☐			238.89		P	8.2
3	☐			274.45		P	14.1
4	☐			293.34		P	16.0
5	☐			287.78		P	11.3
6	☐			337.79		P	3.5
7	☐			390.01		P	8.5
8	☐			537.79		P	8.0

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

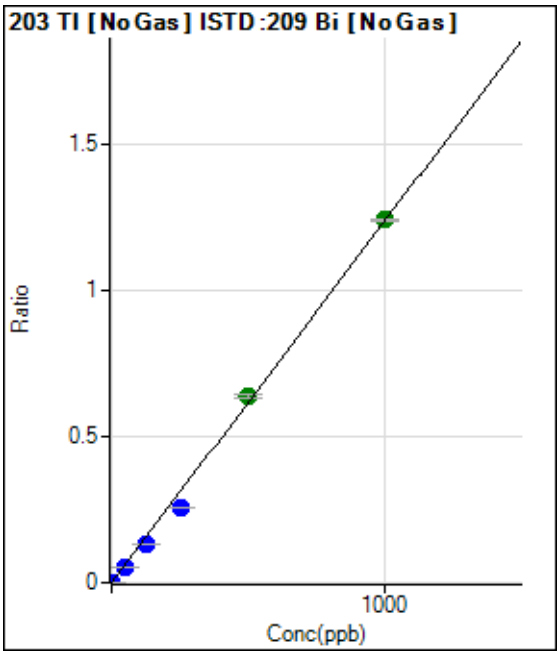


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			43.33		P	20.3
2	☐			36.67		P	36.4
3	☐			46.67		P	25.8
4	☐			50.00		P	35.3
5	☐			72.22		P	11.6
6	☐			146.67		P	21.9
7	☐			213.34		P	15.4
8	☐			622.24		P	3.4



	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

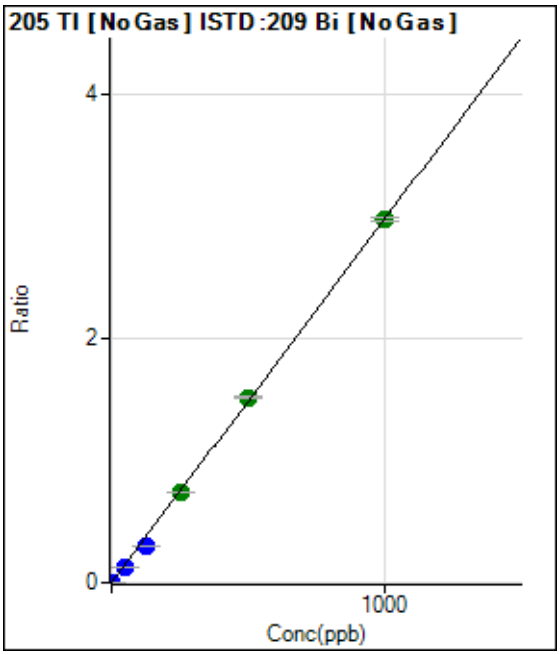
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

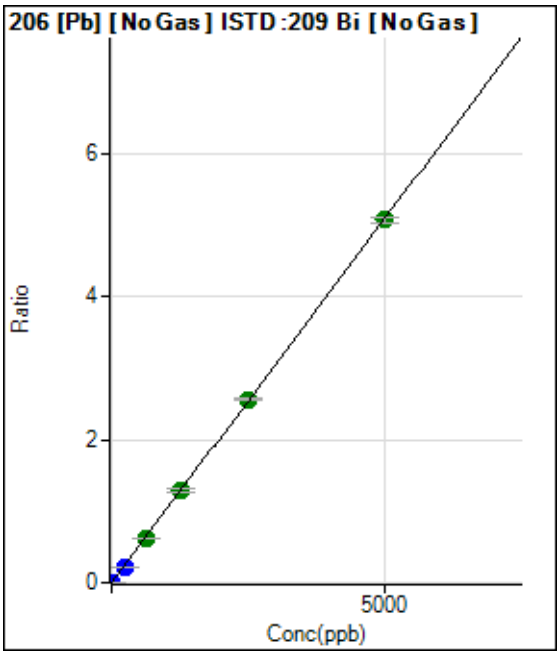


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	266.67	0.0001	P	7.8
2	☐	1.000	0.839	11016.77	0.0026	P	3.6
3	☐	50.000	41.181	530930.45	0.1225	P	1.7
4	☐	125.000	102.589	1328403.09	0.3052	P	0.5
5	☐	250.000	248.813	3233461.24	0.7401	A	0.6
6	☐	500.000	510.418	6670374.49	1.5182	A	1.3
7	☐	1000.000	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>

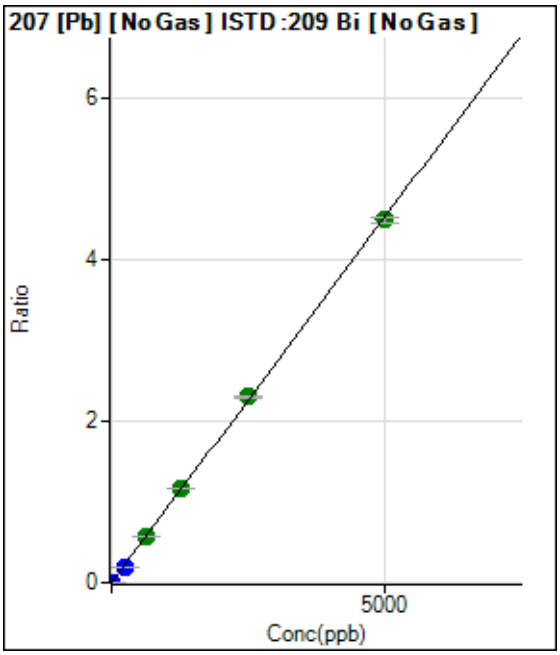
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

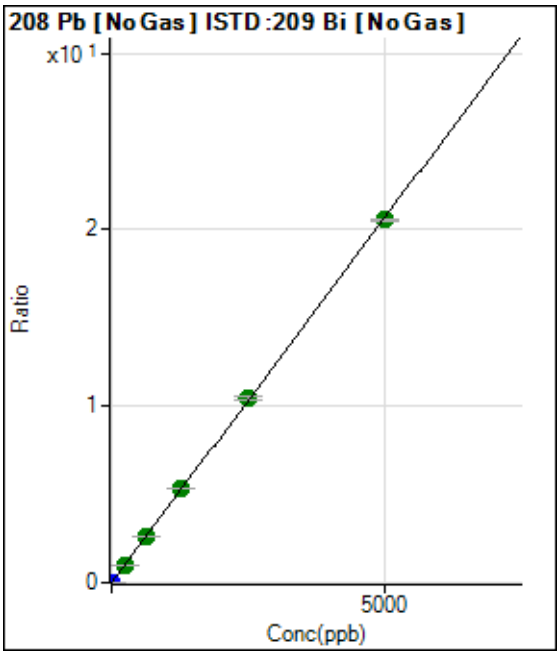


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	344.45	0.0001	P	5.8
2	☐	1.000	0.694	3054.83	0.0007	P	3.4
3	☐	250.000	205.175	803924.08	0.1856	P	1.7
4	☐	625.000	627.020	2467489.84	0.5669	A	1.5
5	☐	1250.000	1292.206	5103826.80	1.1682	A	1.2
6	☐	2500.000	2547.765	10120196.59	2.3032	A	1.5
7	☐	5000.000	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>

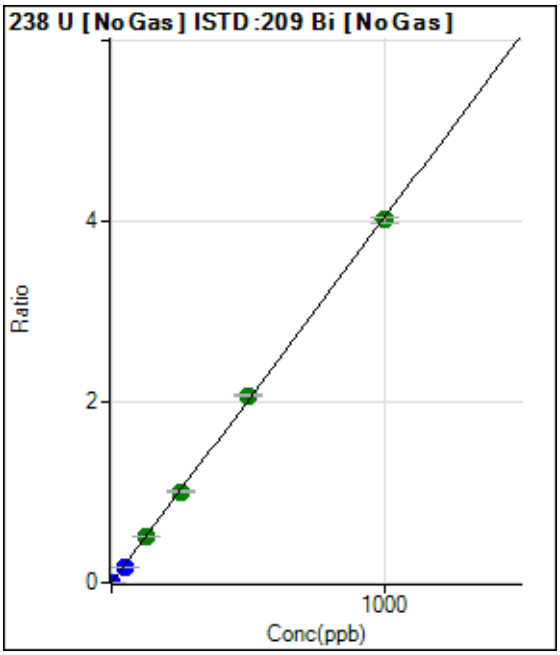
Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601



	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>

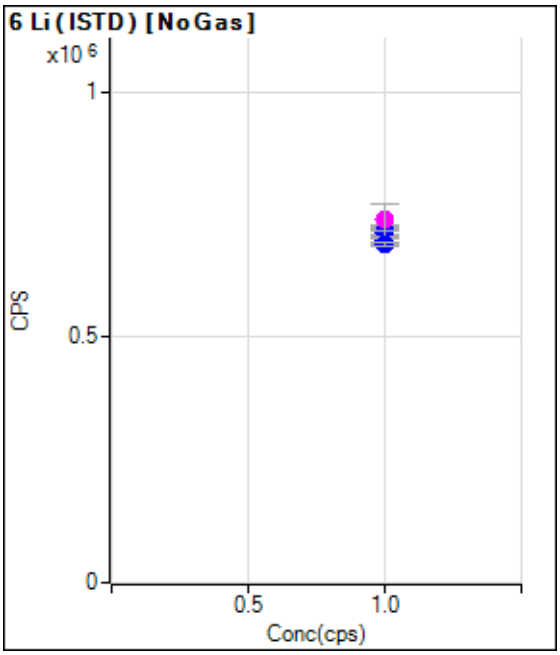


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.55	0.0000	P	93.1
2	☐	1.000	0.781	13633.76	0.0032	P	0.9
3	☐	50.000	40.711	713401.80	0.1647	P	1.4
4	☐	125.000	124.904	2198711.51	0.5052	A	1.1
5	☐	250.000	250.131	4419760.04	1.0116	A	0.3
6	☐	500.000	513.339	9121726.53	2.0761	A	0.6
7	☐	1000.000	993.775	18147326.26	4.0192	A	1.4
8	☐			486.68	0.0001	P	9.9

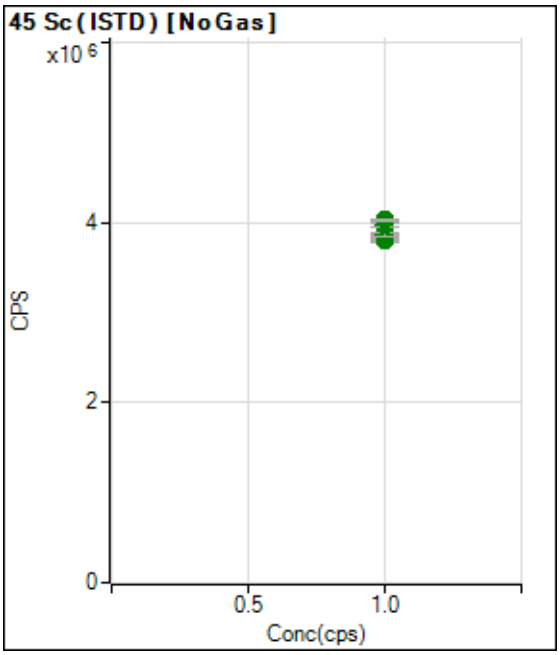
y = 0.0040 * x + 6.0005E-006
R = 0.9998
DL = 0.004146
BEC = 0.001484

Weight: <None>
Min Conc: <None>

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

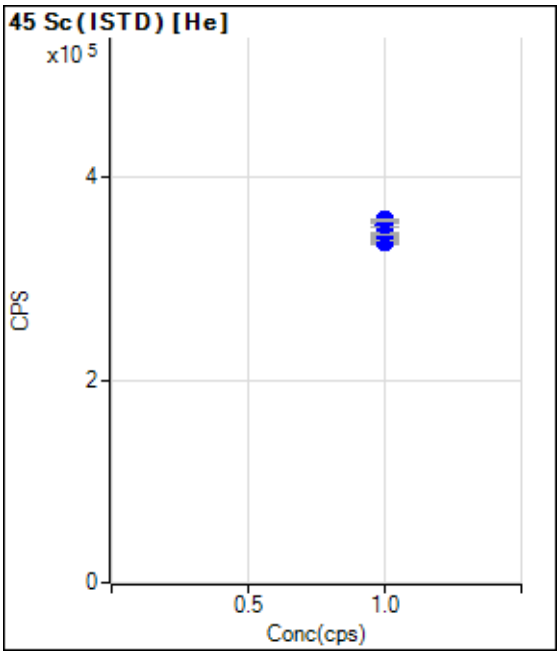


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		695221.85		P	1.9
2	☐	1.000		717632.20		P	0.4
3	☐	1.000		712647.32		P	0.7
4	☐	1.000		725217.43		P	0.4
5	☐	1.000		717926.68		P	0.4
6	☐	1.000		716914.36		P	0.4
7	☐	1.000		738940.54		M	9.1
8	☐	1.000		689338.02		P	1.4

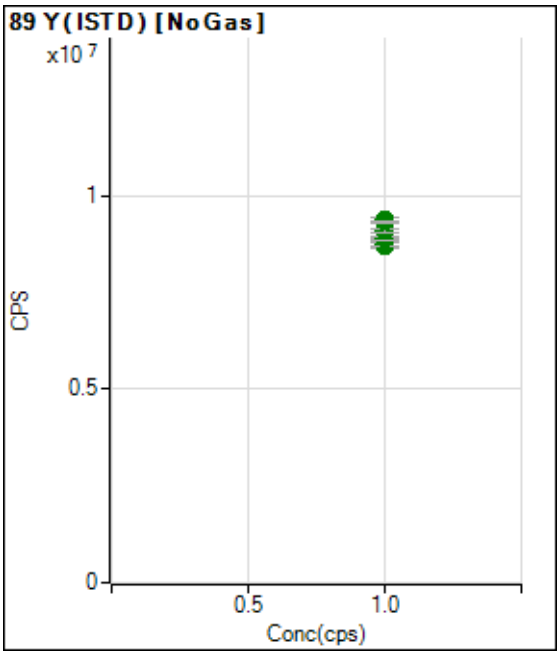


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3809887.97		A	1.7
2	☐	1.000		3882910.26		A	0.6
3	☐	1.000		3821963.45		A	0.5
4	☐	1.000		3862800.22		A	1.0
5	☐	1.000		3835496.19		A	0.7
6	☐	1.000		3867901.29		A	1.3
7	☐	1.000		3985852.51		A	1.0
8	☐	1.000		4033523.41		A	0.3

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

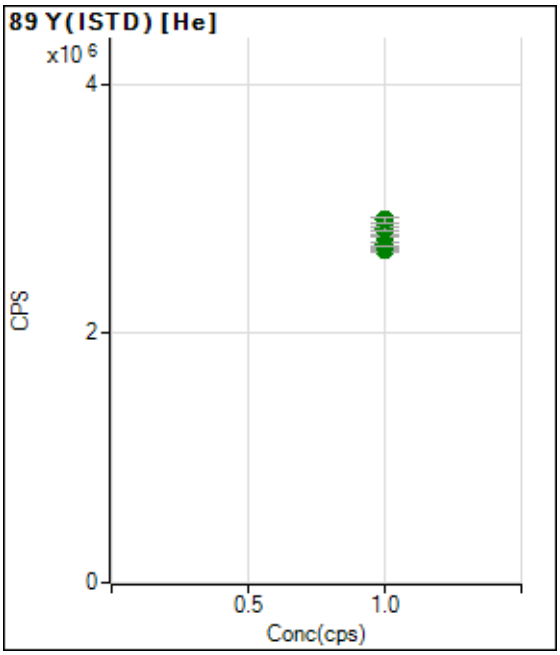


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		339546.26		P	0.2
2	☐	1.000		342193.98		P	0.6
3	☐	1.000		335707.87		P	0.4
4	☐	1.000		339486.81		P	0.6
5	☐	1.000		338755.50		P	0.2
6	☐	1.000		345126.76		P	0.3
7	☐	1.000		352999.99		P	1.3
8	☐	1.000		358457.78		P	0.5

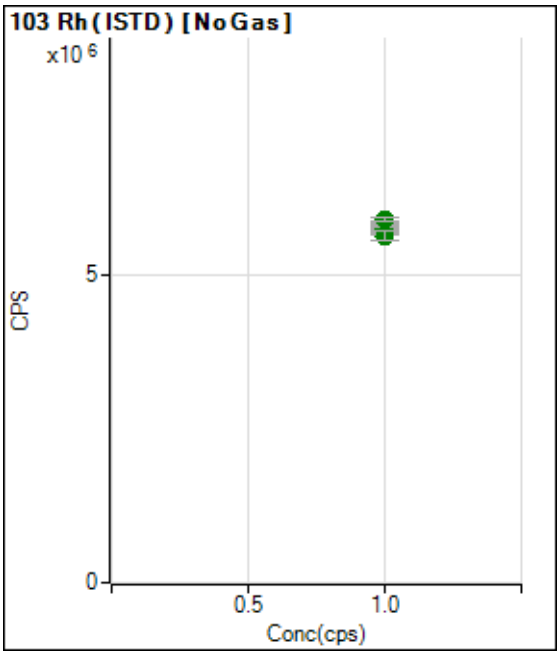


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8713011.33		A	1.7
2	☐	1.000		8834629.59		A	1.1
3	☐	1.000		8776556.60		A	1.8
4	☐	1.000		8942162.99		A	0.3
5	☐	1.000		8919389.11		A	1.2
6	☐	1.000		9107606.74		A	0.8
7	☐	1.000		9385985.07		A	1.2
8	☐	1.000		9335334.65		A	0.6

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

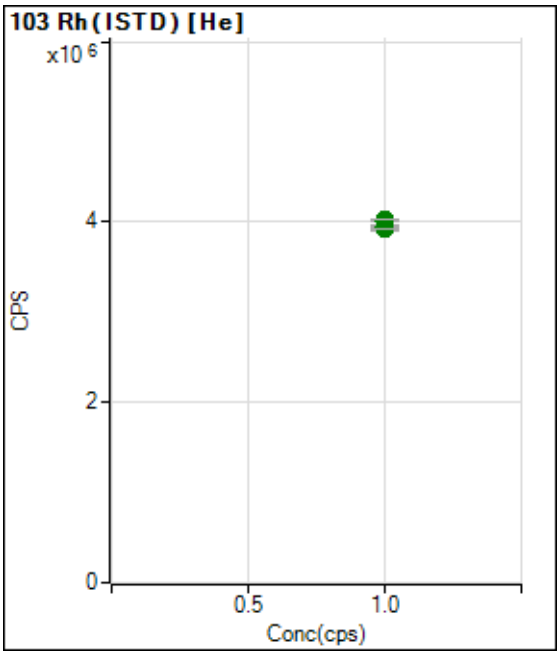


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2673239.98		A	1.0
2	☐	1.000		2672256.37		A	0.4
3	☐	1.000		2666523.52		A	0.7
4	☐	1.000		2705055.98		A	1.8
5	☐	1.000		2710957.35		A	1.3
6	☐	1.000		2782300.37		A	0.5
7	☐	1.000		2835814.33		A	1.1
8	☐	1.000		2910597.14		A	1.3

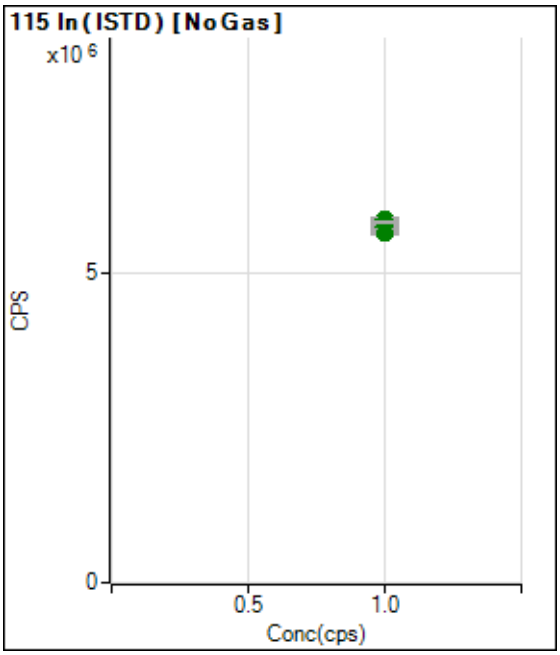


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5662794.92		A	0.5
2	☐	1.000		5776814.01		A	1.4
3	☐	1.000		5737998.66		A	1.5
4	☐	1.000		5729109.15		A	1.1
5	☐	1.000		5737273.38		A	0.8
6	☐	1.000		5788972.69		A	0.7
7	☐	1.000		5883645.47		A	1.0
8	☐	1.000		5625418.25		A	2.5

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

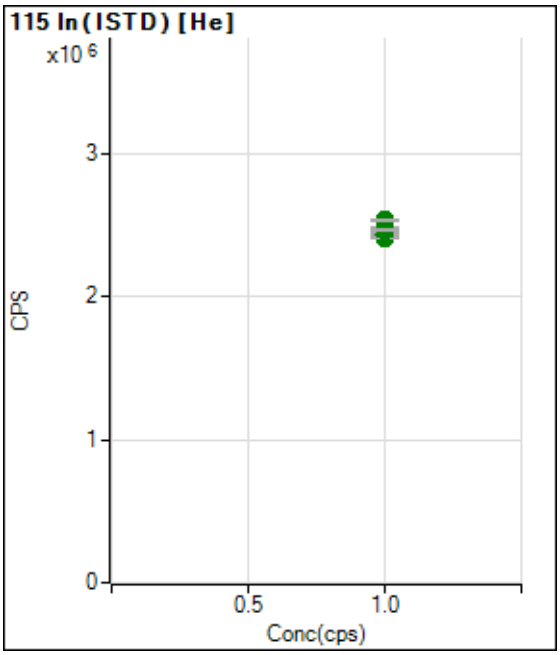


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3913961.92		A	0.8
2	☐	1.000		3935127.03		A	0.8
3	☐	1.000		3921728.48		A	0.9
4	☐	1.000		3930992.27		A	1.6
5	☐	1.000		3938998.62		A	1.1
6	☐	1.000		4023360.84		A	0.5
7	☐	1.000		4001219.11		A	1.5
8	☐	1.000		3915874.35		A	0.1

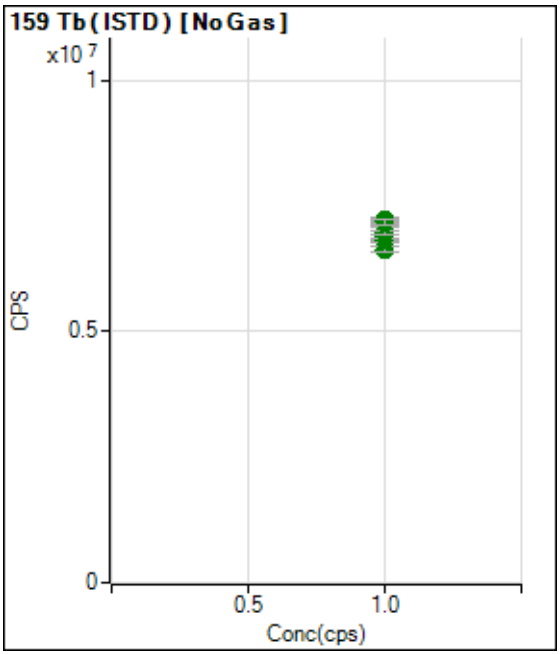


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5623931.55		A	1.0
2	☐	1.000		5702567.44		A	0.8
3	☐	1.000		5664736.16		A	0.4
4	☐	1.000		5741980.59		A	1.0
5	☐	1.000		5836559.91		A	0.4
6	☐	1.000		5826257.03		A	0.6
7	☐	1.000		5845039.39		A	1.2
8	☐	1.000		5808319.47		A	0.4

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

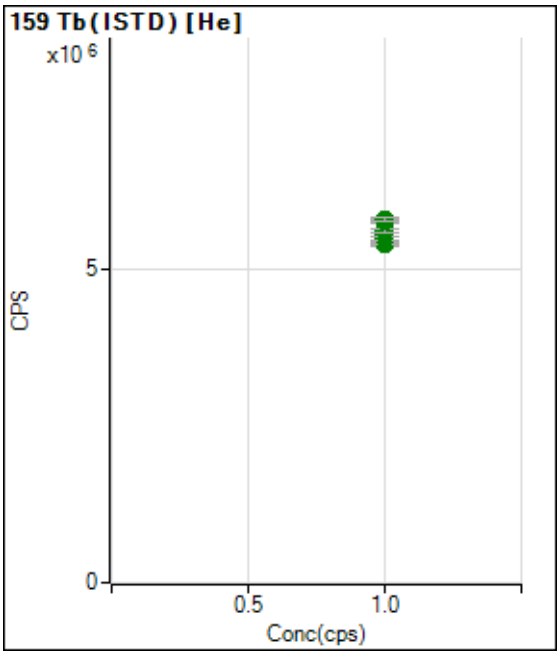


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2407553.10		A	0.3
2	☐	1.000		2416662.87		A	0.4
3	☐	1.000		2407895.91		A	0.8
4	☐	1.000		2459239.33		A	1.9
5	☐	1.000		2429737.51		A	1.7
6	☐	1.000		2470840.74		A	1.2
7	☐	1.000		2463112.44		A	0.9
8	☐	1.000		2534627.51		A	0.7

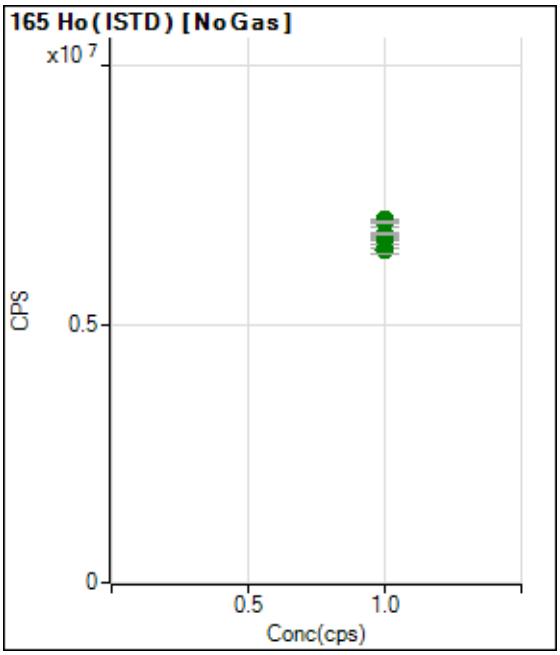


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6646344.35		A	2.0
2	☐	1.000		6813910.32		A	0.4
3	☐	1.000		6808058.09		A	1.0
4	☐	1.000		6894870.45		A	1.0
5	☐	1.000		6969678.09		A	1.1
6	☐	1.000		7150394.13		A	1.4
7	☐	1.000		7228162.18		A	1.5
8	☐	1.000		7187597.74		A	1.4

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

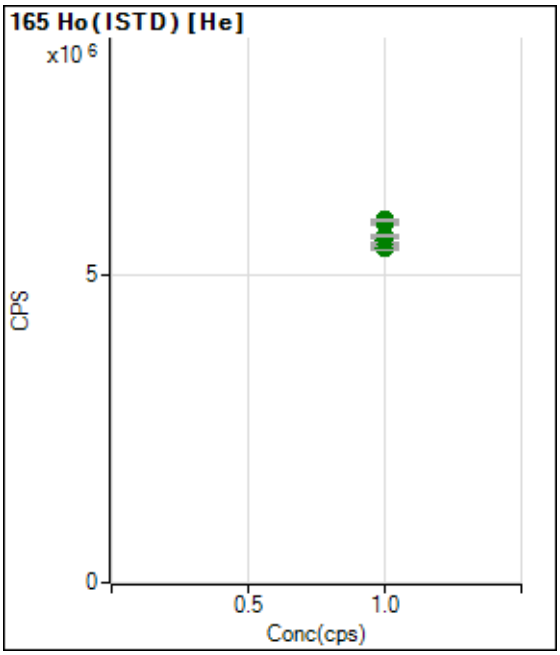


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5397586.31		A	0.7
2	☐	1.000		5464482.35		A	2.1
3	☐	1.000		5435728.60		A	0.5
4	☐	1.000		5507256.45		A	1.3
5	☐	1.000		5562961.58		A	1.1
6	☐	1.000		5623805.26		A	1.2
7	☐	1.000		5777150.82		A	0.9
8	☐	1.000		5801980.26		A	0.9

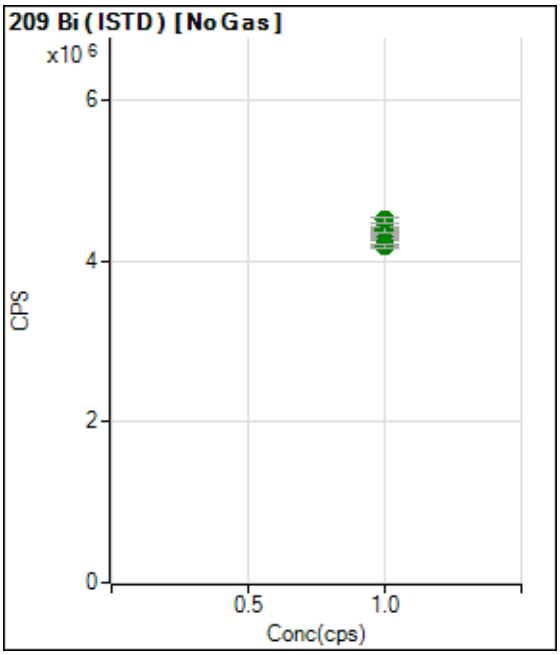


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6428138.86		A	2.0
2	☐	1.000		6552346.99		A	0.3
3	☐	1.000		6655827.26		A	1.1
4	☐	1.000		6692053.23		A	0.8
5	☐	1.000		6745817.40		A	0.8
6	☐	1.000		7023031.49		A	0.9
7	☐	1.000		6952237.81		A	1.5
8	☐	1.000		6982681.35		A	0.3

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

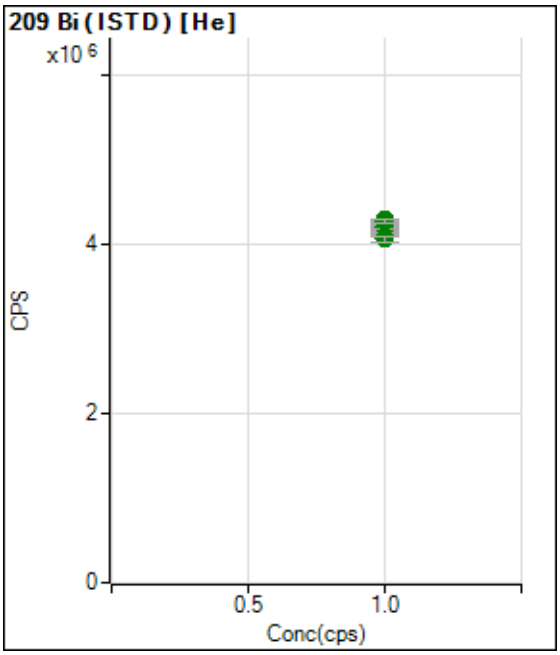


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5500088.46		A	1.0
2	☐	1.000		5407556.65		A	0.6
3	☐	1.000		5429282.18		A	1.1
4	☐	1.000		5538805.40		A	1.2
5	☐	1.000		5622777.97		A	0.7
6	☐	1.000		5833494.08		A	0.8
7	☐	1.000		5856947.90		A	1.5
8	☐	1.000		5878527.13		A	0.5



	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

US EPA Tune Check Report

Reviewed By:Janv
On:7/24/2025 2:40 PM
Inst Id :P7
LB :LB136601

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

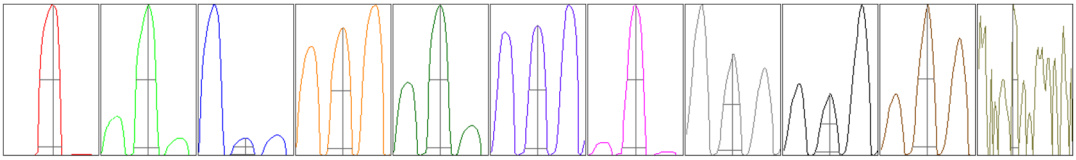
US EPA Tune Check Report

Reviewed By:Janv
On:7/24/2025 2:40
PM
Inst Id :P7
LB :LB136601

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

Reviewed By:Janv
On:7/24/2025 2:40 PM
Inst Id :P7
LB :LB136601

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	8.3 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

US EPA Tune Check Report

Reviewed By:Janv
On:7/24/2025 2:40
PM
Inst Id :P7
LB :LB136601

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

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
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 :	Q2555-02DL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	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 :	Q2555-02DL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	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 :	Q2555-02DL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	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 :	Q2555-02DUPDL4X100	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 :	Q2555-02DUPDL4X100	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 :	Q2555-02DUPDL4X100	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 :	Q2555-02LDL4X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	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 :	Q2555-02LDL4X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	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 :	Q2555-02LDL4X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	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 :	Q2555-02MSDL4X100	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 :	Q2555-02MSDL4X100	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 :	Q2555-02MSDL4X100	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 :	Q2555-02MSDDL4X100	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 :	Q2555-02MSDDL4X100	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 :	Q2555-02MSDDL4X100	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 :	Q2555-02ADL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	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 :	Q2555-02ADL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	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 :	Q2555-02ADL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	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 :	Q2555-04DL4X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	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 :	Q2555-04DL4X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	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 :	Q2555-04DL4X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	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 :	Q2638-04DLX50	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 :	Q2638-04DLX50	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 :	Q2638-04DLX50	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 :	Q2638-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:50:11	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1894.03	1914.06	1922.67	1910.25	0.77	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	6.68	ppb
Arsenic	75-2	1.60	1.56	1.63	1.60	2.33	ppb
Barium	135-1	2.53	2.66	2.55	2.58	2.81	ppb
Barium	137-1	2.46	2.60	2.50	2.52	2.92	ppb
Beryllium	9-1	0.32	0.32	0.32	0.32	0.21	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.22	0.12	0.17	28.60	ppb
Cadmium	106-1	-3.44	-1.31	-1.78	-2.18		ppb
Cadmium	111-1	0.19	0.18	0.21	0.19	6.17	ppb
Calcium	43-1	4175.96	4229.29	4173.69	4192.98	0.75	ppb
Calcium	44-1	4612.69	4752.56	4714.60	4693.29	1.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.18	1.11	1.11	1.13	3.62	ppb
Cobalt	59-2	4.35	4.28	4.29	4.31	0.84	ppb
Copper	63-2	9.07	9.20	9.06	9.11	0.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	400.07	403.38	409.29	404.25	1.16	ppb
Iron	57-2	381.09	387.97	386.08	385.04	0.92	ppb
Iron	54-2	367.19	369.14	364.01	366.78	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 :	Q2638-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:50:11	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.21	2.14	2.23	2.19	2.22	ppb
Lead	207-1	1.98	2.10	2.01	2.03	3.20	ppb
Lead	208-1	2.05	2.10	2.08	2.08	1.26	ppb
Lithium	6-1				97		%
Magnesium	24-2	634.27	643.64	646.45	641.45	0.99	ppb
Manganese	55-2	290.90	293.34	294.61	292.95	0.64	ppb
Molybdenum	94-1	0.10	0.09	0.13	0.10	20.85	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	1.79	ppb
Molybdenum	96-1	0.03	0.04	0.05	0.04	25.40	ppb
Molybdenum	97-1	0.00	0.00	0.01	0.00	266.71	ppb
Molybdenum	98-1	0.01	0.03	0.00	0.01	101.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.77	3.88	4.02	3.89	3.27	ppb
Phosphorus	31-2	113.77	118.28	133.02	121.69	8.27	ppb
Potassium	39-2	982.71	993.57	989.68	988.65	0.56	ppb
Rhodium	103-1				110		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				105		%
Selenium	82-1	-0.56	-0.03	0.60	0.00	11823.21	ppb
Selenium	77-2	2.43	1.76	3.62	2.61	36.11	ppb
Selenium	78-2	2.04	-0.01	-0.76	0.42	342.27	ppb
Silicon	28-1	76.75	79.16	79.97	78.63	2.13	ppb
Silver	107-1	0.01	0.01	0.01	0.01	5.07	ppb
Silver	109-1	0.00	0.00	0.00	0.00	8.74	ppb
Sodium	23-2	244.24	245.76	247.61	245.87	0.68	ppb
Strontium	86-1	14.47	14.34	14.43	14.41	0.47	ppb
Strontium	88-1	13.86	14.22	14.16	14.08	1.35	ppb
Sulfur	34-1	8197.62	8702.65	8229.52	8376.60	3.38	ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.03	0.03	0.03	0.03	2.53	ppb
Thallium	205-1	0.03	0.04	0.04	0.04	11.78	ppb
Tin	118-1	-0.02	-0.01	-0.01	-0.02		ppb
Titanium	47-1	0.66	0.60	0.65	0.64	5.26	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 :	Q2638-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:50:11	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.40	0.44	0.41	0.42	4.40	ppb
Vanadium	51-2	2.84	3.02	2.99	2.95	3.24	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	32.43	31.96	32.96	32.45	1.54	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	7.79	ppb
Zirconium	91-1	0.06	0.05	0.10	0.07	39.32	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 :	Q2638-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:53:26	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1491.74	1500.33	1481.39	1491.15	0.64	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	14.71	ppb
Arsenic	75-2	1.01	1.03	1.02	1.02	1.07	ppb
Barium	135-1	2.67	2.59	2.78	2.68	3.59	ppb
Barium	137-1	2.83	2.83	2.90	2.85	1.58	ppb
Beryllium	9-1	0.40	0.37	0.33	0.37	9.48	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.28	0.37	0.40	0.35	17.82	ppb
Cadmium	106-1	-1.63	-1.45	-1.15	-1.41		ppb
Cadmium	111-1	0.30	0.26	0.26	0.28	8.05	ppb
Calcium	43-1	5620.13	5683.36	5570.85	5624.78	1.00	ppb
Calcium	44-1	6120.42	6406.64	6276.82	6267.96	2.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.75	0.74	0.67	0.72	5.96	ppb
Cobalt	59-2	4.97	5.08	5.00	5.02	1.13	ppb
Copper	63-2	4.60	4.71	4.61	4.64	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				105		%
Indium	115-1				109		%
Indium	115-2				109		%
Iron	56-2	178.02	177.48	176.82	177.44	0.34	ppb
Iron	57-2	208.00	203.65	204.57	205.41	1.12	ppb
Iron	54-2	185.60	184.12	177.26	182.33	2.44	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 :	Q2638-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:53:26	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.08	1.06	1.11	1.08	2.37	ppb
Lead	207-1	1.11	1.04	1.08	1.08	3.19	ppb
Lead	208-1	1.06	1.04	1.06	1.05	1.35	ppb
Lithium	6-1				95		%
Magnesium	24-2	877.34	873.43	864.06	871.61	0.78	ppb
Manganese	55-2	385.57	388.02	380.32	384.64	1.02	ppb
Molybdenum	94-1	0.06	0.06	0.07	0.07	6.48	ppb
Molybdenum	95-1	0.03	0.01	0.02	0.02	41.37	ppb
Molybdenum	96-1	0.04	0.03	0.04	0.04	14.02	ppb
Molybdenum	97-1	0.02	0.01	0.02	0.02	32.00	ppb
Molybdenum	98-1	0.01	0.01	0.02	0.01	23.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.13	4.15	4.12	4.13	0.43	ppb
Phosphorus	31-2	41.81	36.62	47.02	41.82	12.43	ppb
Potassium	39-2	1309.11	1316.77	1283.54	1303.14	1.34	ppb
Rhodium	103-1				110		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	0.23	-0.35	-1.23	-0.45		ppb
Selenium	77-2	1.78	1.09	0.86	1.24	38.90	ppb
Selenium	78-2	-0.05	1.04	0.95	0.65	93.94	ppb
Silicon	28-1	74.30	76.13	74.78	75.07	1.26	ppb
Silver	107-1	0.00	0.00	0.00	0.00	16.46	ppb
Silver	109-1	0.00	0.00	0.00	0.00	76.31	ppb
Sodium	23-2	316.14	323.02	318.57	319.24	1.09	ppb
Strontium	86-1	20.34	20.63	20.44	20.47	0.73	ppb
Strontium	88-1	19.81	20.03	19.76	19.87	0.71	ppb
Sulfur	34-1	7502.44	7640.55	7248.42	7463.80	2.66	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.03	0.04	0.03	0.03	18.28	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	13.71	ppb
Tin	118-1	0.02	-0.01	0.00	0.00	1391.72	ppb
Titanium	47-1	2.73	2.62	2.85	2.73	4.28	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 :	Q2638-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:53:26	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.14	0.15	0.14	0.14	4.17	ppb
Vanadium	51-2	1.52	1.58	1.58	1.56	2.14	ppb
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	38.60	38.58	38.04	38.41	0.83	ppb
Zirconium	90-1	0.04	0.04	0.05	0.04	10.45	ppb
Zirconium	91-1	0.02	0.04	0.04	0.03	30.88	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 :	Q2638-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:56:44	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1566.34	1522.46	1522.91	1537.24	1.64	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	23.57	ppb
Arsenic	75-2	1.01	1.07	1.02	1.03	3.18	ppb
Barium	135-1	1.86	1.95	1.86	1.89	2.56	ppb
Barium	137-1	2.05	2.00	1.98	2.01	1.64	ppb
Beryllium	9-1	0.32	0.32	0.27	0.30	9.73	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.22	0.37	0.44	0.34	31.95	ppb
Cadmium	106-1	-1.66	-2.23	-2.68	-2.19		ppb
Cadmium	111-1	0.33	0.26	0.22	0.27	20.29	ppb
Calcium	43-1	3139.26	3129.79	3090.59	3119.88	0.83	ppb
Calcium	44-1	3615.29	3562.79	3573.07	3583.72	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.21	3.25	3.24	3.23	0.53	ppb
Cobalt	59-2	4.07	4.08	4.07	4.07	0.14	ppb
Copper	63-2	24.92	24.68	24.65	24.75	0.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	997.08	1001.71	987.30	995.36	0.74	ppb
Iron	57-2	922.19	896.45	905.52	908.05	1.44	ppb
Iron	54-2	910.26	899.18	906.91	905.45	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 :	Q2638-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:56:44	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.95	5.05	5.02	5.01	0.96	ppb
Lead	207-1	4.50	4.78	4.65	4.64	3.00	ppb
Lead	208-1	4.77	4.87	4.73	4.79	1.55	ppb
Lithium	6-1				96		%
Magnesium	24-2	539.50	538.44	524.59	534.18	1.56	ppb
Manganese	55-2	243.46	241.19	239.92	241.52	0.74	ppb
Molybdenum	94-1	0.06	0.06	0.07	0.06	11.72	ppb
Molybdenum	95-1	0.03	0.02	0.01	0.02	33.68	ppb
Molybdenum	96-1	0.03	0.02	0.03	0.02	34.36	ppb
Molybdenum	97-1	0.02	0.03	0.01	0.02	53.62	ppb
Molybdenum	98-1	0.01	0.00	0.02	0.01	61.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.58	4.34	4.13	4.35	5.25	ppb
Phosphorus	31-2	206.13	217.19	210.46	211.26	2.64	ppb
Potassium	39-2	568.50	561.95	555.78	562.08	1.13	ppb
Rhodium	103-1				112		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	-0.62	-0.61	-1.00	-0.74		ppb
Selenium	77-2	2.23	1.76	2.48	2.16	17.03	ppb
Selenium	78-2	-0.49	1.20	-0.56	0.05	1851.81	ppb
Silicon	28-1	77.71	75.69	77.66	77.02	1.50	ppb
Silver	107-1	0.00	0.00	0.00	0.00	54.65	ppb
Silver	109-1	0.00	0.00	0.00	0.00	38.65	ppb
Sodium	23-2	147.80	145.90	145.91	146.53	0.75	ppb
Strontium	86-1	8.88	8.76	8.83	8.82	0.72	ppb
Strontium	88-1	8.50	8.63	8.66	8.60	0.99	ppb
Sulfur	34-1	7715.80	7928.44	7426.00	7690.08	3.28	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.03	0.03	0.02	0.03	23.51	ppb
Thallium	205-1	0.02	0.03	0.02	0.03	14.41	ppb
Tin	118-1	-0.02	-0.02	-0.03	-0.02		ppb
Titanium	47-1	1.42	1.35	1.30	1.36	4.35	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 :	Q2638-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:56:44	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.86	0.88	0.83	0.86	2.75	ppb
Vanadium	51-2	4.24	4.22	4.25	4.24	0.33	ppb
Yttrium	89-1				114		%
Yttrium	89-2				110		%
Zinc	66-2	34.95	34.45	33.86	34.42	1.59	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	3.29	ppb
Zirconium	91-1	0.04	0.02	0.03	0.03	35.93	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 :	Q2638-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:59:58	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1470.42	1492.08	1493.24	1485.25	0.87	ppb
Antimony	121-1	0.00	0.01	0.01	0.01	41.69	ppb
Arsenic	75-2	1.00	1.07	1.06	1.05	3.80	ppb
Barium	135-1	1.92	2.06	1.85	1.94	5.42	ppb
Barium	137-1	2.03	2.02	1.94	2.00	2.50	ppb
Beryllium	9-1	0.28	0.24	0.29	0.27	9.87	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.44	0.41	0.28	0.38	21.80	ppb
Cadmium	106-1	-1.22	-1.92	-1.21	-1.45		ppb
Cadmium	111-1	0.26	0.24	0.26	0.25	5.08	ppb
Calcium	43-1	3157.45	3228.52	3191.19	3192.39	1.11	ppb
Calcium	44-1	3236.88	3662.76	3644.76	3514.80	6.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.53	3.39	3.59	3.50	2.87	ppb
Cobalt	59-2	4.01	4.04	4.02	4.02	0.48	ppb
Copper	63-2	26.41	26.71	26.43	26.52	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				109		%
Holmium	165-2				105		%
Indium	115-1				111		%
Indium	115-2				109		%
Iron	56-2	988.33	975.91	1016.30	993.51	2.08	ppb
Iron	57-2	900.14	893.22	890.39	894.58	0.56	ppb
Iron	54-2	890.31	891.89	902.79	894.99	0.76	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 :	Q2638-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:59:58	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.26	5.50	5.33	5.36	2.34	ppb
Lead	207-1	4.82	5.12	4.87	4.94	3.29	ppb
Lead	208-1	5.00	5.24	5.03	5.09	2.60	ppb
Lithium	6-1				96		%
Magnesium	24-2	539.78	545.87	544.88	543.51	0.60	ppb
Manganese	55-2	238.05	238.05	239.00	238.37	0.23	ppb
Molybdenum	94-1	0.05	0.04	0.04	0.05	9.90	ppb
Molybdenum	95-1	0.03	0.02	0.01	0.02	44.96	ppb
Molybdenum	96-1	0.03	0.02	0.02	0.02	40.57	ppb
Molybdenum	97-1	0.03	0.03	0.01	0.02	62.67	ppb
Molybdenum	98-1	0.03	0.00	0.02	0.02	68.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.26	4.36	4.16	4.26	2.35	ppb
Phosphorus	31-2	229.57	229.54	235.58	231.56	1.50	ppb
Potassium	39-2	563.94	563.07	569.51	565.51	0.62	ppb
Rhodium	103-1				113		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	-0.25	-0.23	-0.19	-0.22		ppb
Selenium	77-2	1.51	3.18	4.00	2.90	43.74	ppb
Selenium	78-2	0.34	0.65	0.96	0.65	47.67	ppb
Silicon	28-1	77.04	78.00	79.80	78.28	1.79	ppb
Silver	107-1	0.00	0.00	0.00	0.00	69.73	ppb
Silver	109-1	0.00	0.00	0.00	0.00	46.75	ppb
Sodium	23-2	149.81	150.71	149.92	150.15	0.33	ppb
Strontium	86-1	9.09	8.95	9.06	9.04	0.82	ppb
Strontium	88-1	8.74	8.78	8.60	8.71	1.05	ppb
Sulfur	34-1	7700.66	7656.83	7701.81	7686.43	0.33	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.02	0.03	0.03	0.03	21.23	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	11.94	ppb
Tin	118-1	-0.02	0.02	-0.02	-0.01		ppb
Titanium	47-1	1.32	1.35	1.27	1.31	2.92	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 :	Q2638-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:59:58	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.93	0.93	0.89	0.92	2.33	ppb
Vanadium	51-2	4.10	4.07	4.11	4.10	0.48	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	34.64	35.69	34.80	35.04	1.62	ppb
Zirconium	90-1	0.03	0.02	0.03	0.03	15.13	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	13.33	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 :	Q2638-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:03:13	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1707.45	1721.08	1705.71	1711.42	0.49	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	27.66	ppb
Arsenic	75-2	1.08	1.08	1.14	1.10	3.10	ppb
Barium	135-1	1.90	1.86	1.92	1.89	1.69	ppb
Barium	137-1	1.98	1.95	2.14	2.02	5.03	ppb
Beryllium	9-1	0.30	0.36	0.38	0.34	11.72	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.53	0.38	0.54	0.48	18.97	ppb
Cadmium	106-1	-1.62	-1.82	-1.43	-1.62		ppb
Cadmium	111-1	0.30	0.28	0.41	0.33	21.38	ppb
Calcium	43-1	3509.19	3531.35	3608.59	3549.71	1.47	ppb
Calcium	44-1	4075.35	3924.46	4032.85	4010.89	1.94	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.73	3.70	3.71	3.71	0.46	ppb
Cobalt	59-2	4.45	4.54	4.43	4.47	1.24	ppb
Copper	63-2	30.27	30.45	29.97	30.23	0.82	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				107		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	1005.80	989.36	1014.61	1003.25	1.28	ppb
Iron	57-2	889.35	919.25	880.34	896.32	2.27	ppb
Iron	54-2	900.99	899.82	897.80	899.54	0.18	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 :	Q2638-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:03:13	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.96	6.04	5.87	5.96	1.38	ppb
Lead	207-1	5.42	5.56	5.37	5.45	1.77	ppb
Lead	208-1	5.52	5.66	5.60	5.59	1.22	ppb
Lithium	6-1				95		%
Magnesium	24-2	600.71	605.89	599.30	601.97	0.58	ppb
Manganese	55-2	272.92	276.24	275.59	274.92	0.64	ppb
Molybdenum	94-1	0.08	0.08	0.05	0.07	22.63	ppb
Molybdenum	95-1	0.01	0.02	0.01	0.02	22.19	ppb
Molybdenum	96-1	0.02	0.01	0.02	0.02	35.45	ppb
Molybdenum	97-1	0.03	0.02	0.02	0.02	15.66	ppb
Molybdenum	98-1	0.01	0.01	0.00	0.00	139.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.79	4.68	4.68	4.72	1.30	ppb
Phosphorus	31-2	251.82	274.90	267.81	264.84	4.46	ppb
Potassium	39-2	622.55	625.50	622.21	623.42	0.29	ppb
Rhodium	103-1				113		%
Rhodium	103-2				111		%
Scandium	45-1				112		%
Scandium	45-2				106		%
Selenium	82-1	-0.34	0.30	-0.76	-0.26		ppb
Selenium	77-2	2.41	1.70	1.96	2.02	17.85	ppb
Selenium	78-2	0.26	0.87	0.62	0.58	52.47	ppb
Silicon	28-1	83.52	84.56	85.18	84.42	0.99	ppb
Silver	107-1	0.00	0.01	0.01	0.00	52.29	ppb
Silver	109-1	0.00	0.00	0.00	0.00	42.98	ppb
Sodium	23-2	157.11	160.60	158.17	158.63	1.13	ppb
Strontium	86-1	10.21	10.42	10.15	10.26	1.39	ppb
Strontium	88-1	9.94	9.84	10.03	9.94	0.92	ppb
Sulfur	34-1	8042.76	7966.47	7866.12	7958.45	1.11	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.02	0.02	0.03	0.02	30.38	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	23.20	ppb
Tin	118-1	-0.02	-0.01	0.00	-0.01		ppb
Titanium	47-1	1.29	1.49	1.41	1.40	7.16	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 :	Q2638-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:03:13	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.97	0.98	0.97	0.97	0.94	ppb
Vanadium	51-2	4.55	4.71	4.70	4.65	1.95	ppb
Yttrium	89-1				115		%
Yttrium	89-2				113		%
Zinc	66-2	38.41	38.40	37.92	38.24	0.74	ppb
Zirconium	90-1	0.04	0.02	0.03	0.03	24.77	ppb
Zirconium	91-1	0.03	0.02	0.04	0.03	39.16	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 :	Q2639-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:06:26	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1811.18	1825.90	1794.85	1810.64	0.86	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	15.17	ppb
Arsenic	75-2	0.94	1.13	1.16	1.08	10.78	ppb
Barium	135-1	1.93	2.04	1.93	1.97	3.17	ppb
Barium	137-1	1.98	1.98	1.92	1.96	1.85	ppb
Beryllium	9-1	0.33	0.34	0.39	0.35	9.65	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.44	0.65	0.61	0.57	20.60	ppb
Cadmium	106-1	-0.08	-1.29	-1.47	-0.95		ppb
Cadmium	111-1	0.34	0.39	0.38	0.37	6.38	ppb
Calcium	43-1	4311.69	4412.54	4177.77	4300.66	2.74	ppb
Calcium	44-1	4689.39	4815.70	4747.47	4750.85	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.94	3.80	3.85	3.86	1.92	ppb
Cobalt	59-2	5.40	5.46	5.37	5.41	0.86	ppb
Copper	63-2	31.33	31.90	31.59	31.60	0.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				108		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	866.43	881.85	850.17	866.15	1.83	ppb
Iron	57-2	791.58	813.85	802.85	802.76	1.39	ppb
Iron	54-2	783.44	785.74	769.88	779.69	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 :	Q2639-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:06:26	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.52	5.64	5.52	5.56	1.26	ppb
Lead	207-1	5.24	5.21	5.08	5.17	1.64	ppb
Lead	208-1	5.26	5.38	5.23	5.29	1.50	ppb
Lithium	6-1				94		%
Magnesium	24-2	623.34	623.87	625.22	624.14	0.16	ppb
Manganese	55-2	306.48	310.93	304.71	307.38	1.04	ppb
Molybdenum	94-1	0.03	0.05	0.06	0.05	35.41	ppb
Molybdenum	95-1	0.02	0.01	0.03	0.02	62.98	ppb
Molybdenum	96-1	0.02	0.03	0.03	0.03	29.10	ppb
Molybdenum	97-1	0.01	0.00	0.01	0.01	101.48	ppb
Molybdenum	98-1	0.01	0.02	0.00	0.01	59.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.35	5.52	5.35	5.41	1.81	ppb
Phosphorus	31-2	240.01	235.97	237.07	237.68	0.88	ppb
Potassium	39-2	689.31	695.87	687.48	690.88	0.64	ppb
Rhodium	103-1				116		%
Rhodium	103-2				111		%
Scandium	45-1				113		%
Scandium	45-2				107		%
Selenium	82-1	-0.26	-0.46	-0.11	-0.28		ppb
Selenium	77-2	2.07	3.56	3.28	2.97	26.62	ppb
Selenium	78-2	0.37	1.56	-1.02	0.30	425.26	ppb
Silicon	28-1	89.14	93.56	85.11	89.27	4.73	ppb
Silver	107-1	0.00	0.00	0.00	0.00	31.77	ppb
Silver	109-1	0.00	0.00	0.00	0.00	59.23	ppb
Sodium	23-2	175.50	178.58	173.49	175.86	1.46	ppb
Strontium	86-1	12.43	12.24	12.14	12.27	1.18	ppb
Strontium	88-1	11.98	11.95	11.78	11.91	0.90	ppb
Sulfur	34-1	7965.55	8116.50	7071.20	7717.75	7.32	ppb
Terbium	159-1				112		%
Terbium	159-2				110		%
Thallium	203-1	0.02	0.02	0.02	0.02	22.56	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	4.10	ppb
Tin	118-1	0.01	-0.01	-0.02	-0.01		ppb
Titanium	47-1	0.93	1.05	0.89	0.96	9.07	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 :	Q2639-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:06:26	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.89	0.87	0.89	0.88	1.25	ppb
Vanadium	51-2	4.81	4.96	4.80	4.85	1.85	ppb
Yttrium	89-1				118		%
Yttrium	89-2				114		%
Zinc	66-2	41.87	41.98	41.95	41.93	0.13	ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	14.50	ppb
Zirconium	91-1	0.04	0.03	0.02	0.03	24.91	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 :	Q2639-04DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:09:41	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1594.66	1599.17	1579.17	1591.00	0.66	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	3.85	ppb
Arsenic	75-2	1.04	1.12	1.23	1.13	8.41	ppb
Barium	135-1	1.79	1.97	1.92	1.90	4.94	ppb
Barium	137-1	1.80	1.96	1.94	1.90	4.72	ppb
Beryllium	9-1	0.23	0.39	0.24	0.29	31.19	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.22	0.31	0.31	0.28	19.47	ppb
Cadmium	106-1	-0.16	-1.60	-0.67	-0.81		ppb
Cadmium	111-1	0.31	0.28	0.33	0.31	7.37	ppb
Calcium	43-1	3392.99	3407.83	3441.86	3414.22	0.73	ppb
Calcium	44-1	3847.88	3818.46	3856.40	3840.91	0.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.70	3.69	3.59	3.66	1.76	ppb
Cobalt	59-2	4.40	4.23	4.33	4.32	1.98	ppb
Copper	63-2	26.19	25.99	26.38	26.19	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				107		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	1075.30	1081.95	1083.97	1080.40	0.42	ppb
Iron	57-2	985.52	975.14	978.44	979.70	0.54	ppb
Iron	54-2	984.76	971.47	971.17	975.80	0.80	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 :	Q2639-04DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:09:41	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.67	5.63	5.70	5.66	0.62	ppb
Lead	207-1	5.23	5.19	5.14	5.19	0.88	ppb
Lead	208-1	5.39	5.29	5.36	5.35	0.89	ppb
Lithium	6-1				93		%
Magnesium	24-2	566.05	572.10	562.52	566.89	0.85	ppb
Manganese	55-2	247.32	246.66	247.58	247.19	0.19	ppb
Molybdenum	94-1	0.04	0.06	0.04	0.05	26.25	ppb
Molybdenum	95-1	0.01	0.00	0.02	0.01	72.73	ppb
Molybdenum	96-1	0.02	0.05	0.02	0.03	58.15	ppb
Molybdenum	97-1	0.02	0.02	0.02	0.02	0.88	ppb
Molybdenum	98-1	0.00	0.00	0.01	0.00	205.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.60	4.88	4.63	4.70	3.28	ppb
Phosphorus	31-2	246.15	245.89	252.84	248.29	1.59	ppb
Potassium	39-2	598.01	598.29	589.52	595.27	0.84	ppb
Rhodium	103-1				114		%
Rhodium	103-2				111		%
Scandium	45-1				113		%
Scandium	45-2				107		%
Selenium	82-1	-0.54	-0.93	0.31	-0.38		ppb
Selenium	77-2	2.60	2.83	1.50	2.31	30.84	ppb
Selenium	78-2	1.05	2.03	-0.60	0.83	161.36	ppb
Silicon	28-1	81.17	81.25	80.83	81.08	0.28	ppb
Silver	107-1	0.01	0.00	0.01	0.01	46.51	ppb
Silver	109-1	0.00	0.00	0.00	0.00	15.91	ppb
Sodium	23-2	149.12	145.78	144.88	146.59	1.52	ppb
Strontium	86-1	9.91	9.80	9.51	9.74	2.13	ppb
Strontium	88-1	9.46	9.45	9.18	9.37	1.68	ppb
Sulfur	34-1	7692.94	7839.25	7489.87	7674.02	2.29	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.02	0.02	0.02	0.02	9.33	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	7.61	ppb
Tin	118-1	0.02	5.91	-0.02	1.97	173.06	ppb
Titanium	47-1	1.51	1.59	1.44	1.51	5.00	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 :	Q2639-04DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:09:41	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.85	0.87	0.85	0.86	1.10	ppb
Vanadium	51-2	4.49	4.58	4.59	4.55	1.23	ppb
Yttrium	89-1				117		%
Yttrium	89-2				113		%
Zinc	66-2	36.71	36.50	36.48	36.56	0.35	ppb
Zirconium	90-1	0.04	0.03	0.03	0.03	25.79	ppb
Zirconium	91-1	0.03	0.05	0.03	0.04	40.08	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 :	Q2639-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:12:55	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1759.54	1742.63	1763.55	1755.24	0.63	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	17.35	ppb
Arsenic	75-2	1.21	1.07	0.99	1.09	10.31	ppb
Barium	135-1	1.88	1.94	2.05	1.96	4.24	ppb
Barium	137-1	2.00	2.04	1.87	1.97	4.54	ppb
Beryllium	9-1	0.34	0.30	0.37	0.33	10.19	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.28	0.35	0.35	0.33	11.84	ppb
Cadmium	106-1	-0.44	-0.53	-2.16	-1.04		ppb
Cadmium	111-1	0.33	0.34	0.35	0.34	3.86	ppb
Calcium	43-1	3724.96	3607.17	3617.82	3649.99	1.78	ppb
Calcium	44-1	4140.54	4105.43	4047.83	4097.93	1.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.50	3.51	3.54	3.52	0.51	ppb
Cobalt	59-2	4.77	4.81	4.90	4.83	1.42	ppb
Copper	63-2	30.11	30.29	29.99	30.13	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				107		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	929.19	937.47	949.64	938.77	1.10	ppb
Iron	57-2	856.10	856.60	853.68	855.46	0.18	ppb
Iron	54-2	853.05	844.73	852.45	850.08	0.55	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 :	Q2639-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:12:55	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.61	5.63	5.57	5.60	0.53	ppb
Lead	207-1	5.23	5.14	5.12	5.16	1.19	ppb
Lead	208-1	5.39	5.28	5.28	5.32	1.25	ppb
Lithium	6-1				93		%
Magnesium	24-2	565.41	563.32	567.54	565.43	0.37	ppb
Manganese	55-2	268.98	267.40	268.66	268.35	0.31	ppb
Molybdenum	94-1	0.04	0.04	0.03	0.03	16.73	ppb
Molybdenum	95-1	0.02	0.03	0.03	0.03	24.12	ppb
Molybdenum	96-1	0.01	0.03	0.03	0.02	42.56	ppb
Molybdenum	97-1	0.00	0.03	0.00	0.01	125.35	ppb
Molybdenum	98-1	0.02	0.01	0.01	0.01	55.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.77	5.02	4.79	4.86	2.87	ppb
Phosphorus	31-2	225.71	224.38	227.09	225.73	0.60	ppb
Potassium	39-2	637.87	635.37	638.48	637.24	0.26	ppb
Rhodium	103-1				115		%
Rhodium	103-2				111		%
Scandium	45-1				113		%
Scandium	45-2				107		%
Selenium	82-1	-0.02	-0.29	-0.69	-0.33		ppb
Selenium	77-2	3.28	2.42	3.85	3.18	22.50	ppb
Selenium	78-2	1.50	1.91	0.38	1.26	62.93	ppb
Silicon	28-1	86.38	83.30	84.34	84.67	1.85	ppb
Silver	107-1	0.00	0.00	0.00	0.00	58.66	ppb
Silver	109-1	0.00	0.00	0.00	0.00	74.48	ppb
Sodium	23-2	159.79	155.88	156.98	157.55	1.28	ppb
Strontium	86-1	10.59	10.52	10.42	10.51	0.79	ppb
Strontium	88-1	10.21	10.01	10.11	10.11	0.95	ppb
Sulfur	34-1	7836.43	7255.38	7081.10	7390.97	5.35	ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	0.01	0.02	0.02	0.02	13.73	ppb
Thallium	205-1	0.02	0.02	0.01	0.02	13.78	ppb
Tin	118-1	0.00	-0.01	-0.01	-0.01		ppb
Titanium	47-1	1.22	1.11	1.10	1.15	5.66	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 :	Q2639-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:12:55	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.00	0.95	0.93	0.96	3.78	ppb
Vanadium	51-2	4.53	4.45	4.60	4.53	1.61	ppb
Yttrium	89-1				118		%
Yttrium	89-2				114		%
Zinc	66-2	39.02	38.89	38.74	38.88	0.37	ppb
Zirconium	90-1	0.04	0.02	0.03	0.03	23.34	ppb
Zirconium	91-1	0.03	0.05	0.04	0.04	18.83	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 :	Q2639-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:16:09	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1715.99	1711.66	1757.10	1728.25	1.45	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	25.92	ppb
Arsenic	75-2	1.02	1.22	1.43	1.22	16.73	ppb
Barium	135-1	2.08	2.21	1.98	2.09	5.59	ppb
Barium	137-1	2.08	2.02	2.09	2.06	1.71	ppb
Beryllium	9-1	0.32	0.29	0.35	0.32	9.49	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.57	0.53	0.46	0.52	10.50	ppb
Cadmium	106-1	-0.15	-0.74	-2.46	-1.12		ppb
Cadmium	111-1	0.32	0.32	0.28	0.31	8.19	ppb
Calcium	43-1	3365.53	3482.24	3340.41	3396.06	2.23	ppb
Calcium	44-1	3857.87	3941.24	3919.66	3906.26	1.11	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.98	3.95	4.04	3.99	1.07	ppb
Cobalt	59-2	4.58	4.66	4.77	4.67	1.96	ppb
Copper	63-2	29.58	29.28	29.63	29.50	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				111		%
Holmium	165-2				107		%
Indium	115-1				115		%
Indium	115-2				112		%
Iron	56-2	1185.13	1170.41	1180.58	1178.70	0.64	ppb
Iron	57-2	1076.40	1058.40	1070.06	1068.29	0.85	ppb
Iron	54-2	1067.42	1058.16	1070.35	1065.31	0.60	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 :	Q2639-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:16:09	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	6.13	5.98	6.23	6.11	2.09	ppb
Lead	207-1	5.42	5.44	5.71	5.53	2.86	ppb
Lead	208-1	5.69	5.72	5.83	5.75	1.29	ppb
Lithium	6-1				92		%
Magnesium	24-2	581.35	571.38	581.56	578.09	1.01	ppb
Manganese	55-2	278.37	273.57	276.49	276.14	0.88	ppb
Molybdenum	94-1	0.02	0.04	0.05	0.04	34.82	ppb
Molybdenum	95-1	0.00	0.02	0.03	0.02	68.22	ppb
Molybdenum	96-1	0.02	0.03	0.02	0.03	32.06	ppb
Molybdenum	97-1	0.01	0.04	0.03	0.03	72.67	ppb
Molybdenum	98-1	0.01	0.01	0.00	0.01	71.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.08	4.94	5.01	5.01	1.41	ppb
Phosphorus	31-2	291.76	219.33	238.06	249.71	15.06	ppb
Potassium	39-2	621.00	620.86	631.59	624.48	0.99	ppb
Rhodium	103-1				114		%
Rhodium	103-2				112		%
Scandium	45-1				113		%
Scandium	45-2				107		%
Selenium	82-1	-0.37	-0.47	-0.84	-0.56		ppb
Selenium	77-2	3.05	3.44	5.31	3.93	30.78	ppb
Selenium	78-2	-0.77	2.20	1.32	0.92	166.84	ppb
Silicon	28-1	86.62	90.95	89.74	89.10	2.50	ppb
Silver	107-1	0.00	0.01	0.00	0.00	62.78	ppb
Silver	109-1	0.00	0.00	0.00	0.00	257.40	ppb
Sodium	23-2	139.85	138.62	142.09	140.19	1.26	ppb
Strontium	86-1	9.48	9.82	9.75	9.68	1.84	ppb
Strontium	88-1	9.45	9.63	9.45	9.51	1.08	ppb
Sulfur	34-1	7781.26	8103.59	8060.31	7981.72	2.19	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.01	0.02	0.02	0.02	15.95	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	10.15	ppb
Tin	118-1	-0.01	0.00	0.00	0.00		ppb
Titanium	47-1	1.47	1.63	1.66	1.58	6.37	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 :	Q2639-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:16:09	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.96	0.94	0.97	0.96	1.92	ppb
Vanadium	51-2	5.03	4.77	5.08	4.96	3.33	ppb
Yttrium	89-1				119		%
Yttrium	89-2				114		%
Zinc	66-2	36.42	35.28	36.54	36.08	1.93	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	31.16	ppb
Zirconium	91-1	0.04	0.03	0.03	0.03	16.58	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 :	Q2639-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1240.59	1253.09	1260.82	1251.50	0.82	ppb
Antimony	121-1	0.01	0.00	0.01	0.01	44.75	ppb
Arsenic	75-2	1.08	1.01	1.09	1.06	4.18	ppb
Barium	135-1	2.68	2.79	2.70	2.72	2.09	ppb
Barium	137-1	2.71	2.87	2.80	2.79	2.73	ppb
Beryllium	9-1	0.39	0.31	0.35	0.35	11.77	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.38	0.32	0.34	0.35	9.08	ppb
Cadmium	106-1	-0.79	-1.83	-1.80	-1.47		ppb
Cadmium	111-1	0.32	0.32	0.27	0.30	8.95	ppb
Calcium	43-1	6993.57	7272.30	7071.74	7112.54	2.02	ppb
Calcium	44-1	7870.72	7981.33	8029.53	7960.53	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.75	0.79	0.70	0.74	6.07	ppb
Cobalt	59-2	5.05	5.18	5.12	5.12	1.29	ppb
Copper	63-2	3.29	3.49	3.29	3.35	3.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				107		%
Indium	115-1				112		%
Indium	115-2				112		%
Iron	56-2	171.51	171.53	172.29	171.78	0.26	ppb
Iron	57-2	209.89	212.36	212.74	211.66	0.73	ppb
Iron	54-2	172.56	171.34	174.38	172.76	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 :	Q2639-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.43	1.48	1.45	1.46	1.53	ppb
Lead	207-1	1.45	1.48	1.43	1.45	1.78	ppb
Lead	208-1	1.42	1.41	1.43	1.42	0.75	ppb
Lithium	6-1				91		%
Magnesium	24-2	1070.99	1077.90	1074.00	1074.30	0.32	ppb
Manganese	55-2	427.47	424.86	430.25	427.53	0.63	ppb
Molybdenum	94-1	0.05	0.06	0.04	0.05	20.90	ppb
Molybdenum	95-1	0.01	0.02	0.02	0.02	18.43	ppb
Molybdenum	96-1	0.02	0.03	0.02	0.02	27.99	ppb
Molybdenum	97-1	-0.01	0.00	0.02	0.01	228.23	ppb
Molybdenum	98-1	0.00	0.01	-0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.13	4.32	4.16	4.20	2.40	ppb
Phosphorus	31-2	7.00	26.18	29.33	20.84	57.99	ppb
Potassium	39-2	1399.87	1416.63	1416.29	1410.93	0.68	ppb
Rhodium	103-1				115		%
Rhodium	103-2				112		%
Scandium	45-1				111		%
Scandium	45-2				107		%
Selenium	82-1	0.15	-0.38	0.02	-0.07		ppb
Selenium	77-2	0.14	2.35	1.04	1.18	94.63	ppb
Selenium	78-2	-0.28	-0.20	1.71	0.41	275.40	ppb
Silicon	28-1	66.24	67.54	67.88	67.22	1.28	ppb
Silver	107-1	0.00	0.00	0.00	0.00	314.42	ppb
Silver	109-1	0.00	0.00	0.00	0.00	43.68	ppb
Sodium	23-2	337.65	347.19	343.99	342.94	1.42	ppb
Strontium	86-1	26.15	26.04	26.09	26.10	0.21	ppb
Strontium	88-1	25.25	25.41	25.21	25.29	0.42	ppb
Sulfur	34-1	7522.93	7820.42	7686.74	7676.70	1.94	ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	0.02	0.02	0.02	0.02	6.92	ppb
Thallium	205-1	0.01	0.02	0.02	0.02	31.08	ppb
Tin	118-1	-0.03	0.00	0.00	-0.01		ppb
Titanium	47-1	0.27	0.27	0.25	0.26	4.70	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 :	Q2639-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.08	0.08	0.07	0.08	3.16	ppb
Vanadium	51-2	1.47	1.45	1.46	1.46	0.58	ppb
Yttrium	89-1				115		%
Yttrium	89-2				114		%
Zinc	66-2	42.94	44.09	44.73	43.92	2.06	ppb
Zirconium	90-1	0.03	0.04	0.03	0.03	22.97	ppb
Zirconium	91-1	0.04	0.04	0.03	0.03	17.62	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 :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:22:41	DataFile Name :	044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49007.45	47985.84	47886.68	48293.32	1.28	ppb
Antimony	121-1	513.81	510.05	514.02	512.63	0.44	ppb
Arsenic	75-2	498.39	497.25	499.16	498.27	0.19	ppb
Barium	135-1	2576.89	2557.41	2562.97	2565.75	0.39	ppb
Barium	137-1	2555.51	2573.02	2552.28	2560.27	0.44	ppb
Beryllium	9-1	529.65	542.22	535.58	535.82	1.17	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	513.69	517.57	523.43	518.23	0.95	ppb
Cadmium	106-1	521.61	522.01	528.01	523.88	0.68	ppb
Cadmium	111-1	522.04	517.68	520.97	520.23	0.44	ppb
Calcium	43-1	237841.31	242452.61	245566.83	241953.58	1.61	ppb
Calcium	44-1	238297.42	246222.46	245742.35	243420.74	1.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	513.21	510.60	510.50	511.44	0.30	ppb
Cobalt	59-2	504.54	503.95	513.01	507.17	1.00	ppb
Copper	63-2	5137.84	5097.88	5210.43	5148.72	1.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				108		%
Indium	115-1				113		%
Indium	115-2				108		%
Iron	56-2	126385.47	123777.89	126078.80	125414.05	1.14	ppb
Iron	57-2	125127.55	126964.10	125011.75	125701.13	0.87	ppb
Iron	54-2	127042.34	125895.20	126127.46	126355.00	0.48	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 :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:22:41	DataFile Name :	044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2533.54	2588.36	2560.04	2560.65	1.07	ppb
Lead	207-1	2533.03	2553.66	2568.04	2551.58	0.69	ppb
Lead	208-1	2517.18	2565.36	2545.79	2542.78	0.95	ppb
Lithium	6-1				97		%
Magnesium	24-2	244423.95	240659.92	248280.85	244454.91	1.56	ppb
Manganese	55-2	5184.42	5052.21	5099.83	5112.15	1.31	ppb
Molybdenum	94-1	5048.50	5067.78	5182.84	5099.71	1.42	ppb
Molybdenum	95-1	5036.98	5095.97	5097.83	5076.93	0.68	ppb
Molybdenum	96-1	4982.47	5066.25	5008.08	5018.93	0.86	ppb
Molybdenum	97-1	4979.66	5009.46	5042.67	5010.59	0.63	ppb
Molybdenum	98-1	5009.78	4978.94	5056.72	5015.15	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	483.29	482.01	486.19	483.83	0.44	ppb
Phosphorus	31-2	10215.98	9922.62	10164.64	10101.08	1.55	ppb
Potassium	39-2	120363.96	117322.04	119476.45	119054.15	1.31	ppb
Rhodium	103-1				113		%
Rhodium	103-2				105		%
Scandium	45-1				116		%
Scandium	45-2				109		%
Selenium	82-1	480.74	482.84	487.31	483.63	0.69	ppb
Selenium	77-2	483.49	505.14	489.73	492.79	2.26	ppb
Selenium	78-2	485.00	473.07	484.99	481.02	1.43	ppb
Silicon	28-1	503.00	516.36	524.95	514.77	2.15	ppb
Silver	107-1	536.47	533.30	530.17	533.32	0.59	ppb
Silver	109-1	525.20	530.68	522.70	526.20	0.78	ppb
Sodium	23-2	243508.86	245693.07	241683.87	243628.60	0.82	ppb
Strontium	86-1	445.48	453.30	451.12	449.97	0.90	ppb
Strontium	88-1	510.93	503.44	510.88	508.42	0.85	ppb
Sulfur	34-1	8759.17	8661.52	8528.06	8649.58	1.34	ppb
Terbium	159-1				115		%
Terbium	159-2				112		%
Thallium	203-1	518.39	525.14	528.49	524.01	0.98	ppb
Thallium	205-1	513.02	529.03	524.07	522.04	1.57	ppb
Tin	118-1	522.82	507.98	516.17	515.66	1.44	ppb
Titanium	47-1	4947.43	5037.93	5018.74	5001.37	0.95	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 :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:22:41	DataFile Name :	044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	496.35	506.65	498.04	500.35	1.10	ppb
Vanadium	51-2	519.04	505.41	508.65	511.03	1.39	ppb
Yttrium	89-1				118		%
Yttrium	89-2				111		%
Zinc	66-2	5194.46	5067.42	5163.49	5141.79	1.29	ppb
Zirconium	90-1	506.94	508.64	506.32	507.30	0.24	ppb
Zirconium	91-1	448.73	450.48	454.12	451.11	0.61	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 :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:26:41	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.74	-0.57	-0.71	-0.67		ppb
Antimony	121-1	0.08	0.07	0.07	0.07	7.63	ppb
Arsenic	75-2	0.05	-0.02	-0.02	0.01	625.39	ppb
Barium	135-1	0.01	0.01	0.02	0.02	45.84	ppb
Barium	137-1	0.02	0.01	0.02	0.01	46.48	ppb
Beryllium	9-1	0.02	0.00	0.00	0.01	183.85	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.13	0.12	0.06	0.10	35.30	ppb
Cadmium	106-1	-2.35	-2.24	-2.73	-2.44		ppb
Cadmium	111-1	-0.01	-0.03	-0.02	-0.02		ppb
Calcium	43-1	0.10	-2.18	-1.95	-1.35		ppb
Calcium	44-1	11.57	8.95	11.04	10.52	13.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.01	-0.02	0.00	26523.06	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	130.23	ppb
Copper	63-2	-0.06	-0.08	-0.07	-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				104		%
Indium	115-1				110		%
Indium	115-2				107		%
Iron	56-2	1.07	0.87	1.07	1.00	11.63	ppb
Iron	57-2	1.35	0.35	-0.36	0.45	191.19	ppb
Iron	54-2	0.16	1.13	0.62	0.64	76.09	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 :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:26:41	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.04	0.05	0.05	24.67	ppb
Lead	207-1	0.07	0.05	0.06	0.06	12.73	ppb
Lead	208-1	0.05	0.04	0.05	0.05	10.21	ppb
Lithium	6-1				95		%
Magnesium	24-2	1.73	1.07	1.53	1.44	23.42	ppb
Manganese	55-2	0.67	0.57	0.64	0.63	7.61	ppb
Molybdenum	94-1	0.11	0.13	0.12	0.12	6.25	ppb
Molybdenum	95-1	0.09	0.08	0.09	0.09	8.19	ppb
Molybdenum	96-1	0.09	0.10	0.10	0.10	8.49	ppb
Molybdenum	97-1	0.08	0.09	0.09	0.08	8.98	ppb
Molybdenum	98-1	0.10	0.07	0.06	0.08	30.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.05	-0.03	-0.04		ppb
Phosphorus	31-2	-144.38	-133.66	-137.65	-138.56		ppb
Potassium	39-2	15.68	13.34	13.53	14.18	9.15	ppb
Rhodium	103-1				110		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	-0.17	-0.45	-0.63	-0.42		ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	1.12	-1.27	0.55	0.13	943.98	ppb
Silicon	28-1	-0.04	-0.77	-0.43	-0.42		ppb
Silver	107-1	0.02	0.01	0.02	0.02	14.41	ppb
Silver	109-1	0.01	0.02	0.01	0.01	19.60	ppb
Sodium	23-2	29.28	29.48	28.09	28.95	2.59	ppb
Strontium	86-1	0.00	-0.04	0.02	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	22.03	ppb
Sulfur	34-1	-1870.46	-1833.96	-1783.88	-1829.43		ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	0.05	0.03	0.03	0.04	22.59	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	2.20	ppb
Tin	118-1	0.00	-0.01	0.01	0.00	350.13	ppb
Titanium	47-1	0.03	0.07	0.04	0.05	42.40	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 :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:26:41	DataFile Name :	045CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	54.13	ppb
Vanadium	51-2	0.00	0.00	-0.01	0.00		ppb
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	-0.08	-0.12	-0.25	-0.15		ppb
Zirconium	90-1	0.03	0.04	0.04	0.04	5.27	ppb
Zirconium	91-1	0.04	0.04	0.03	0.04	20.96	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 :	Q2639-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:30:43	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1561.88	1552.68	1553.72	1556.09	0.32	ppb
Antimony	121-1	0.01	0.03	0.02	0.02	36.17	ppb
Arsenic	75-2	1.63	1.39	1.57	1.53	8.07	ppb
Barium	135-1	2.92	2.82	2.99	2.91	2.94	ppb
Barium	137-1	3.04	2.95	2.97	2.99	1.52	ppb
Beryllium	9-1	0.37	0.34	0.33	0.35	5.49	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.38	0.65	0.37	0.47	34.52	ppb
Cadmium	106-1	-1.37	-1.84	-0.88	-1.36		ppb
Cadmium	111-1	0.27	0.21	0.30	0.26	15.97	ppb
Calcium	43-1	6552.87	6693.33	6529.22	6591.81	1.35	ppb
Calcium	44-1	7350.96	7412.04	7542.94	7435.31	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.99	0.94	0.93	0.95	3.46	ppb
Cobalt	59-2	4.78	4.96	4.74	4.83	2.45	ppb
Copper	63-2	4.69	4.72	4.80	4.73	1.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				108		%
Indium	115-1				111		%
Indium	115-2				109		%
Iron	56-2	293.65	294.66	293.19	293.84	0.26	ppb
Iron	57-2	330.24	330.02	327.20	329.15	0.52	ppb
Iron	54-2	299.07	299.65	299.28	299.33	0.10	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 :	Q2639-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:30:43	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.46	1.58	1.55	1.53	3.89	ppb
Lead	207-1	1.37	1.48	1.45	1.43	3.85	ppb
Lead	208-1	1.40	1.49	1.49	1.46	3.43	ppb
Lithium	6-1				97		%
Magnesium	24-2	998.71	987.09	976.40	987.40	1.13	ppb
Manganese	55-2	382.21	379.03	379.07	380.10	0.48	ppb
Molybdenum	94-1	0.13	0.11	0.14	0.12	10.23	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	9.93	ppb
Molybdenum	96-1	0.05	0.04	0.04	0.04	19.38	ppb
Molybdenum	97-1	0.04	0.04	0.02	0.03	44.00	ppb
Molybdenum	98-1	0.04	0.03	0.03	0.03	24.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.56	4.61	4.51	4.56	1.09	ppb
Phosphorus	31-2	123.49	115.72	127.87	122.36	5.03	ppb
Potassium	39-2	1220.58	1231.36	1227.41	1226.45	0.44	ppb
Rhodium	103-1				112		%
Rhodium	103-2				110		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	82-1	-0.47	-0.27	-1.09	-0.61		ppb
Selenium	77-2	1.76	1.49	1.08	1.45	23.50	ppb
Selenium	78-2	1.14	-0.21	0.47	0.46	145.43	ppb
Silicon	28-1	67.33	68.91	68.93	68.39	1.34	ppb
Silver	107-1	0.01	0.01	0.01	0.01	8.24	ppb
Silver	109-1	0.01	0.01	0.01	0.01	36.77	ppb
Sodium	23-2	335.87	337.79	336.90	336.85	0.28	ppb
Strontium	86-1	22.82	23.74	23.31	23.29	1.99	ppb
Strontium	88-1	22.11	22.69	22.46	22.42	1.30	ppb
Sulfur	34-1	8747.92	9396.43	8890.30	9011.55	3.78	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.04	0.03	0.03	0.04	14.49	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	4.25	ppb
Tin	118-1	0.02	0.00	-0.02	0.00		ppb
Titanium	47-1	0.36	0.44	0.32	0.37	16.97	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 :	Q2639-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:30:43	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.14	0.14	0.13	0.13	5.20	ppb
Vanadium	51-2	2.34	2.36	2.35	2.35	0.31	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	126.54	127.87	124.58	126.33	1.31	ppb
Zirconium	90-1	0.05	0.07	0.07	0.06	13.05	ppb
Zirconium	91-1	0.05	0.08	0.06	0.06	18.00	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 :	Q2639-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:34:00	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1282.60	1289.99	1283.44	1285.34	0.31	ppb
Antimony	121-1	0.01	0.01	0.02	0.01	18.23	ppb
Arsenic	75-2	1.19	1.45	1.30	1.31	9.72	ppb
Barium	135-1	2.47	2.68	2.55	2.57	4.05	ppb
Barium	137-1	2.65	2.62	2.71	2.66	1.68	ppb
Beryllium	9-1	0.26	0.29	0.23	0.26	13.00	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.12	0.31	0.32	0.25	44.38	ppb
Cadmium	106-1	-0.47	-2.15	-2.02	-1.55		ppb
Cadmium	111-1	0.22	0.21	0.17	0.20	13.24	ppb
Calcium	43-1	6486.32	6320.40	6342.24	6382.99	1.41	ppb
Calcium	44-1	7213.52	7079.65	7115.17	7136.11	0.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.83	0.78	0.74	0.79	5.93	ppb
Cobalt	59-2	3.60	3.55	3.64	3.60	1.16	ppb
Copper	63-2	3.86	4.02	4.00	3.96	2.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				112		%
Indium	115-2				111		%
Iron	56-2	335.19	337.75	337.03	336.66	0.39	ppb
Iron	57-2	368.22	368.45	376.21	370.96	1.23	ppb
Iron	54-2	333.87	349.14	341.83	341.61	2.24	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 :	Q2639-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:34:00	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.37	1.41	1.33	1.37	2.95	ppb
Lead	207-1	1.27	1.20	1.26	1.24	3.09	ppb
Lead	208-1	1.29	1.26	1.29	1.28	1.34	ppb
Lithium	6-1				98		%
Magnesium	24-2	1430.26	1444.77	1444.29	1439.78	0.57	ppb
Manganese	55-2	277.51	283.25	283.73	281.49	1.23	ppb
Molybdenum	94-1	0.09	0.07	0.10	0.09	17.17	ppb
Molybdenum	95-1	0.03	0.01	0.03	0.02	32.30	ppb
Molybdenum	96-1	0.03	0.02	0.04	0.03	37.41	ppb
Molybdenum	97-1	0.03	0.01	0.01	0.02	57.47	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	105.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.35	3.34	3.42	3.37	1.35	ppb
Phosphorus	31-2	75.56	77.10	82.53	78.40	4.67	ppb
Potassium	39-2	949.71	954.38	957.34	953.81	0.40	ppb
Rhodium	103-1				112		%
Rhodium	103-2				108		%
Scandium	45-1				110		%
Scandium	45-2				106		%
Selenium	82-1	-0.67	-0.51	0.38	-0.27		ppb
Selenium	77-2	0.84	1.51	2.01	1.46	40.34	ppb
Selenium	78-2	0.52	-0.07	-0.13	0.11	333.12	ppb
Silicon	28-1	60.59	59.02	57.87	59.16	2.31	ppb
Silver	107-1	0.01	0.00	0.01	0.00	67.43	ppb
Silver	109-1	0.00	0.00	0.00	0.00	31.36	ppb
Sodium	23-2	265.90	269.22	270.57	268.56	0.90	ppb
Strontium	86-1	19.50	18.55	18.93	18.99	2.51	ppb
Strontium	88-1	18.71	17.98	18.56	18.42	2.11	ppb
Sulfur	34-1	9267.86	8803.26	8548.77	8873.30	4.11	ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	0.04	0.02	0.02	0.03	41.92	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	20.19	ppb
Tin	118-1	-0.02	0.00	-0.02	-0.01		ppb
Titanium	47-1	0.42	0.39	0.36	0.39	7.60	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 :	Q2639-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:34:00	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.13	0.12	0.13	0.13	6.20	ppb
Vanadium	51-2	2.26	2.14	2.13	2.18	3.17	ppb
Yttrium	89-1				115		%
Yttrium	89-2				110		%
Zinc	66-2	36.82	37.06	37.64	37.17	1.12	ppb
Zirconium	90-1	0.05	0.05	0.04	0.04	15.73	ppb
Zirconium	91-1	0.07	0.07	0.05	0.06	11.88	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 :	Q2639-14DUPDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:37:19	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1255.45	1259.84	1267.08	1260.79	0.47	ppb
Antimony	121-1	0.01	0.00	0.01	0.01	27.34	ppb
Arsenic	75-2	1.23	1.29	1.37	1.30	5.29	ppb
Barium	135-1	2.61	2.76	2.69	2.69	2.79	ppb
Barium	137-1	2.60	2.77	2.61	2.66	3.48	ppb
Beryllium	9-1	0.21	0.27	0.26	0.25	12.68	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.46	0.41	0.15	0.34	48.01	ppb
Cadmium	106-1	-1.17	-1.79	-1.28	-1.41		ppb
Cadmium	111-1	0.20	0.21	0.20	0.20	3.57	ppb
Calcium	43-1	6290.76	6192.81	6225.71	6236.43	0.80	ppb
Calcium	44-1	7150.32	6964.16	7209.99	7108.16	1.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.82	0.85	0.81	0.82	2.40	ppb
Cobalt	59-2	3.63	3.63	3.68	3.65	0.81	ppb
Copper	63-2	3.81	3.94	3.98	3.91	2.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				106		%
Indium	115-1				114		%
Indium	115-2				110		%
Iron	56-2	335.53	332.29	336.16	334.66	0.62	ppb
Iron	57-2	369.20	370.99	370.58	370.26	0.25	ppb
Iron	54-2	336.51	337.60	344.54	339.55	1.28	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 :	Q2639-14DUPDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:37:19	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.32	1.40	1.39	1.37	3.06	ppb
Lead	207-1	1.28	1.30	1.19	1.26	4.37	ppb
Lead	208-1	1.28	1.30	1.27	1.28	1.21	ppb
Lithium	6-1				98		%
Magnesium	24-2	1410.22	1391.83	1429.82	1410.63	1.35	ppb
Manganese	55-2	281.01	279.07	283.02	281.03	0.70	ppb
Molybdenum	94-1	0.07	0.07	0.06	0.07	6.51	ppb
Molybdenum	95-1	0.02	0.01	0.00	0.01	102.73	ppb
Molybdenum	96-1	0.02	0.03	0.02	0.02	28.62	ppb
Molybdenum	97-1	0.02	0.02	0.01	0.02	17.92	ppb
Molybdenum	98-1	0.00	0.00	0.01	0.00	195.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.31	3.45	3.44	3.40	2.33	ppb
Phosphorus	31-2	86.57	78.67	94.90	86.71	9.36	ppb
Potassium	39-2	939.02	944.29	950.83	944.71	0.63	ppb
Rhodium	103-1				114		%
Rhodium	103-2				110		%
Scandium	45-1				112		%
Scandium	45-2				106		%
Selenium	82-1	-0.67	-0.60	0.07	-0.40		ppb
Selenium	77-2	0.60	0.82	1.05	0.82	27.63	ppb
Selenium	78-2	0.48	0.15	-1.51	-0.29		ppb
Silicon	28-1	58.92	57.57	58.46	58.32	1.18	ppb
Silver	107-1	0.00	0.00	0.00	0.00	49.79	ppb
Silver	109-1	0.00	0.00	0.00	0.00	29.26	ppb
Sodium	23-2	262.36	269.49	264.52	265.46	1.38	ppb
Strontium	86-1	18.86	18.74	18.55	18.71	0.84	ppb
Strontium	88-1	18.29	18.11	18.10	18.17	0.60	ppb
Sulfur	34-1	8585.53	8642.03	8376.32	8534.63	1.64	ppb
Terbium	159-1				112		%
Terbium	159-2				109		%
Thallium	203-1	0.02	0.02	0.02	0.02	11.23	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	8.55	ppb
Tin	118-1	-0.01	-0.03	-0.03	-0.02		ppb
Titanium	47-1	0.31	0.33	0.31	0.32	4.53	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 :	Q2639-14DUPDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:37:19	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.12	0.13	0.12	0.12	3.82	ppb
Vanadium	51-2	2.12	2.22	2.10	2.14	2.98	ppb
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	36.84	38.17	38.15	37.72	2.02	ppb
Zirconium	90-1	0.04	0.04	0.04	0.04	6.18	ppb
Zirconium	91-1	0.04	0.03	0.05	0.04	21.72	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 :	Q2639-14LDLX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-24 13:40:36	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	255.10	258.14	255.37	256.20	0.66	ppb
Antimony	121-1	0.01	0.00	0.00	0.00	95.39	ppb
Arsenic	75-2	0.25	0.24	0.42	0.31	32.73	ppb
Barium	135-1	0.56	0.43	0.54	0.51	13.42	ppb
Barium	137-1	0.53	0.52	0.58	0.54	6.35	ppb
Beryllium	9-1	0.07	0.05	0.06	0.06	15.65	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.06	0.12	0.07	68.24	ppb
Cadmium	106-1	-1.38	-2.33	-2.35	-2.02		ppb
Cadmium	111-1	0.03	0.04	0.02	0.03	32.88	ppb
Calcium	43-1	1269.49	1261.07	1303.19	1277.91	1.74	ppb
Calcium	44-1	1283.43	1285.84	1311.87	1293.72	1.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.19	0.11	0.18	0.16	29.20	ppb
Cobalt	59-2	0.75	0.72	0.70	0.72	3.01	ppb
Copper	63-2	0.66	0.69	0.68	0.68	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				110		%
Holmium	165-2				104		%
Indium	115-1				112		%
Indium	115-2				108		%
Iron	56-2	67.93	68.13	68.63	68.23	0.53	ppb
Iron	57-2	75.63	77.65	74.03	75.77	2.39	ppb
Iron	54-2	69.15	67.98	68.03	68.38	0.97	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 :	Q2639-14LDLX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-24 13:40:36	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.29	0.28	0.28	0.28	1.49	ppb
Lead	207-1	0.29	0.28	0.29	0.28	2.66	ppb
Lead	208-1	0.29	0.27	0.27	0.28	3.13	ppb
Lithium	6-1				96		%
Magnesium	24-2	287.87	289.23	287.19	288.10	0.36	ppb
Manganese	55-2	57.27	58.81	58.25	58.11	1.35	ppb
Molybdenum	94-1	0.02	0.03	0.00	0.02	91.80	ppb
Molybdenum	95-1	0.01	-0.01	0.02	0.01	180.19	ppb
Molybdenum	96-1	0.00	0.00	0.02	0.01	177.95	ppb
Molybdenum	97-1	0.01	0.01	0.00	0.01	44.78	ppb
Molybdenum	98-1	-0.01	0.01	-0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.63	0.57	0.71	0.64	10.67	ppb
Phosphorus	31-2	-87.68	-95.58	-91.53	-91.60		ppb
Potassium	39-2	199.11	199.73	199.12	199.32	0.18	ppb
Rhodium	103-1				113		%
Rhodium	103-2				108		%
Scandium	45-1				111		%
Scandium	45-2				104		%
Selenium	82-1	-0.47	-0.53	-0.58	-0.53		ppb
Selenium	77-2	0.38	0.15	0.85	0.46	78.11	ppb
Selenium	78-2	0.63	-0.43	1.61	0.60	168.49	ppb
Silicon	28-1	15.23	16.52	16.06	15.94	4.12	ppb
Silver	107-1	0.00	0.00	0.00	0.00	68.01	ppb
Silver	109-1	0.01	0.00	0.00	0.00	131.33	ppb
Sodium	23-2	64.57	65.28	64.86	64.91	0.55	ppb
Strontium	86-1	3.72	3.75	3.63	3.70	1.68	ppb
Strontium	88-1	3.73	3.71	3.63	3.69	1.51	ppb
Sulfur	34-1	0.22	16.06	269.89	95.39	158.65	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.01	0.01	0.02	0.01	57.17	ppb
Thallium	205-1	0.00	0.01	0.01	0.01	44.67	ppb
Tin	118-1	-0.01	0.00	-0.03	-0.01		ppb
Titanium	47-1	0.07	0.13	0.06	0.08	46.44	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 :	Q2639-14LDLX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-24 13:40:36	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.02	0.02	2.97	ppb
Vanadium	51-2	0.41	0.42	0.38	0.40	5.37	ppb
Yttrium	89-1				115		%
Yttrium	89-2				109		%
Zinc	66-2	7.12	7.23	7.22	7.19	0.81	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	10.16	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	11.72	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 :	Q2639-14MSDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:43:57	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1308.82	1302.53	1295.09	1302.15	0.53	ppb
Antimony	121-1	8.44	8.55	8.55	8.51	0.75	ppb
Arsenic	75-2	11.17	11.20	11.68	11.35	2.50	ppb
Barium	135-1	38.76	39.02	40.26	39.35	2.04	ppb
Barium	137-1	40.01	40.68	40.68	40.46	0.96	ppb
Beryllium	9-1	10.94	11.28	11.39	11.20	2.06	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.45	9.79	9.58	9.94	4.57	ppb
Cadmium	106-1	7.64	7.83	10.37	8.61	17.69	ppb
Cadmium	111-1	10.15	10.47	10.20	10.27	1.69	ppb
Calcium	43-1	6557.40	6803.25	6451.66	6604.10	2.73	ppb
Calcium	44-1	7408.42	7493.58	7329.95	7410.65	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.15	9.43	9.50	9.36	1.96	ppb
Cobalt	59-2	12.13	12.17	12.16	12.15	0.19	ppb
Copper	63-2	91.74	91.88	91.30	91.64	0.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				108		%
Indium	115-1				113		%
Indium	115-2				112		%
Iron	56-2	779.74	766.56	764.97	770.42	1.05	ppb
Iron	57-2	723.56	733.71	733.34	730.20	0.79	ppb
Iron	54-2	694.69	705.92	703.53	701.38	0.84	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 :	Q2639-14MSDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:43:57	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	41.44	40.90	42.40	41.58	1.82	ppb
Lead	207-1	41.42	41.10	41.24	41.25	0.39	ppb
Lead	208-1	41.12	41.17	41.13	41.14	0.07	ppb
Lithium	6-1				94		%
Magnesium	24-2	2088.25	2077.78	2070.31	2078.78	0.43	ppb
Manganese	55-2	341.00	345.44	342.33	342.92	0.66	ppb
Molybdenum	94-1	39.14	39.61	39.56	39.44	0.65	ppb
Molybdenum	95-1	30.13	30.10	30.61	30.28	0.94	ppb
Molybdenum	96-1	31.99	31.84	31.90	31.91	0.24	ppb
Molybdenum	97-1	30.63	30.16	30.54	30.44	0.81	ppb
Molybdenum	98-1	30.59	30.16	31.04	30.60	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.07	13.08	12.95	13.03	0.56	ppb
Phosphorus	31-2	66.45	61.15	74.47	67.36	9.96	ppb
Potassium	39-2	1240.79	1236.08	1244.66	1240.51	0.35	ppb
Rhodium	103-1				114		%
Rhodium	103-2				112		%
Scandium	45-1				111		%
Scandium	45-2				107		%
Selenium	82-1	9.65	9.76	9.74	9.72	0.58	ppb
Selenium	77-2	9.82	8.97	12.80	10.53	19.09	ppb
Selenium	78-2	9.53	12.19	11.38	11.04	12.35	ppb
Silicon	28-1	53.74	55.49	68.19	59.14	13.34	ppb
Silver	107-1	1.40	1.43	1.45	1.43	1.69	ppb
Silver	109-1	1.44	1.45	1.51	1.47	2.56	ppb
Sodium	23-2	1024.02	1012.51	1013.18	1016.57	0.64	ppb
Strontium	86-1	28.06	27.53	27.71	27.77	0.98	ppb
Strontium	88-1	27.16	27.07	26.58	26.94	1.16	ppb
Sulfur	34-1	8080.75	8210.56	7783.21	8024.84	2.73	ppb
Terbium	159-1				113		%
Terbium	159-2				110		%
Thallium	203-1	8.15	8.19	8.23	8.19	0.50	ppb
Thallium	205-1	8.12	8.13	8.05	8.10	0.50	ppb
Tin	118-1	7.52	7.72	8.02	7.76	3.26	ppb
Titanium	47-1	0.62	0.53	0.62	0.59	8.75	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 :	Q2639-14MSDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:43:57	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.67	7.58	7.71	7.65	0.90	ppb
Vanadium	51-2	10.98	10.84	10.83	10.88	0.74	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-2	127.08	125.95	127.68	126.90	0.69	ppb
Zirconium	90-1	7.97	7.95	8.08	8.00	0.85	ppb
Zirconium	91-1	8.41	8.41	8.63	8.48	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 :	Q2639-14MSDDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:49:07	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1311.53	1293.19	1287.44	1297.39	0.97	ppb
Antimony	121-1	8.83	8.64	8.54	8.67	1.71	ppb
Arsenic	75-2	11.15	11.71	11.10	11.32	2.99	ppb
Barium	135-1	40.37	41.76	40.41	40.85	1.94	ppb
Barium	137-1	41.76	41.62	41.69	41.69	0.17	ppb
Beryllium	9-1	11.12	10.59	10.59	10.77	2.86	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.19	10.62	10.66	10.16	8.24	ppb
Cadmium	106-1	8.04	7.40	7.79	7.74	4.19	ppb
Cadmium	111-1	10.58	10.60	10.31	10.50	1.51	ppb
Calcium	43-1	6639.22	6594.81	6521.06	6585.03	0.91	ppb
Calcium	44-1	7517.25	7549.27	7357.70	7474.74	1.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.21	9.35	9.30	9.29	0.77	ppb
Cobalt	59-2	12.37	12.24	12.01	12.21	1.48	ppb
Copper	63-2	92.10	91.93	91.67	91.90	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				112		%
Holmium	165-2				107		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	793.71	771.95	772.48	779.38	1.59	ppb
Iron	57-2	725.39	715.37	719.72	720.16	0.70	ppb
Iron	54-2	720.00	704.58	701.22	708.60	1.41	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 :	Q2639-14MSDDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:49:07	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	40.49	42.63	42.61	41.91	2.94	ppb
Lead	207-1	40.35	41.14	41.64	41.05	1.58	ppb
Lead	208-1	40.25	41.11	41.31	40.89	1.37	ppb
Lithium	6-1				95		%
Magnesium	24-2	2089.63	2069.45	2060.99	2073.36	0.71	ppb
Manganese	55-2	349.62	343.25	344.89	345.92	0.96	ppb
Molybdenum	94-1	40.56	39.64	39.89	40.03	1.18	ppb
Molybdenum	95-1	30.73	30.77	31.43	30.98	1.26	ppb
Molybdenum	96-1	32.09	30.94	32.45	31.83	2.48	ppb
Molybdenum	97-1	30.63	30.08	30.91	30.54	1.39	ppb
Molybdenum	98-1	30.95	30.71	31.43	31.03	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.02	13.11	12.88	13.00	0.88	ppb
Phosphorus	31-2	77.32	38.19	55.77	57.10	34.33	ppb
Potassium	39-2	1250.41	1228.67	1240.24	1239.78	0.88	ppb
Rhodium	103-1				115		%
Rhodium	103-2				111		%
Scandium	45-1				113		%
Scandium	45-2				108		%
Selenium	82-1	11.00	10.06	9.43	10.16	7.81	ppb
Selenium	77-2	13.60	11.24	11.65	12.16	10.35	ppb
Selenium	78-2	9.60	8.49	9.33	9.14	6.29	ppb
Silicon	28-1	53.92	54.58	54.11	54.20	0.62	ppb
Silver	107-1	1.52	1.54	1.56	1.54	1.10	ppb
Silver	109-1	1.53	1.51	1.52	1.52	0.85	ppb
Sodium	23-2	1018.96	1001.70	997.08	1005.91	1.15	ppb
Strontium	86-1	27.88	27.68	28.29	27.95	1.11	ppb
Strontium	88-1	27.19	26.40	27.11	26.90	1.61	ppb
Sulfur	34-1	7800.25	7690.31	7668.70	7719.75	0.91	ppb
Terbium	159-1				111		%
Terbium	159-2				111		%
Thallium	203-1	8.11	8.10	8.48	8.23	2.60	ppb
Thallium	205-1	8.03	8.09	8.14	8.09	0.63	ppb
Tin	118-1	7.79	7.70	7.90	7.80	1.28	ppb
Titanium	47-1	0.31	0.37	0.38	0.35	9.71	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 :	Q2639-14MSDDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:49:07	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.48	7.54	7.68	7.57	1.39	ppb
Vanadium	51-2	11.13	10.89	10.93	10.98	1.17	ppb
Yttrium	89-1				116		%
Yttrium	89-2				114		%
Zinc	66-2	126.11	125.96	123.98	125.35	0.95	ppb
Zirconium	90-1	8.08	8.08	8.19	8.12	0.78	ppb
Zirconium	91-1	8.40	8.36	8.70	8.49	2.24	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 :	Q2639-14ADLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:52:22	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1348.67	1343.30	1343.83	1345.27	0.22	ppb
Antimony	121-1	8.72	8.92	8.92	8.85	1.31	ppb
Arsenic	75-2	12.31	11.07	12.23	11.87	5.84	ppb
Barium	135-1	41.28	42.29	41.63	41.73	1.23	ppb
Barium	137-1	41.80	42.84	42.83	42.49	1.41	ppb
Beryllium	9-1	11.47	11.23	11.44	11.38	1.16	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.71	8.78	10.07	9.85	9.98	ppb
Cadmium	106-1	8.40	9.46	9.36	9.07	6.47	ppb
Cadmium	111-1	10.65	10.90	10.82	10.79	1.15	ppb
Calcium	43-1	6756.97	6923.33	6939.21	6873.17	1.47	ppb
Calcium	44-1	7684.76	7778.92	7734.85	7732.84	0.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.62	9.60	9.84	9.69	1.40	ppb
Cobalt	59-2	12.60	12.44	12.68	12.57	0.98	ppb
Copper	63-2	96.02	95.36	94.03	95.13	1.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				109		%
Indium	115-1				115		%
Indium	115-2				112		%
Iron	56-2	811.58	806.63	785.48	801.23	1.73	ppb
Iron	57-2	748.96	743.15	744.74	745.62	0.40	ppb
Iron	54-2	720.37	733.17	722.58	725.37	0.94	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 :	Q2639-14ADLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:52:22	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	42.69	43.11	42.33	42.71	0.91	ppb
Lead	207-1	42.39	43.36	42.42	42.72	1.29	ppb
Lead	208-1	41.75	42.52	42.40	42.23	0.98	ppb
Lithium	6-1				94		%
Magnesium	24-2	2115.26	2135.13	2111.80	2120.73	0.59	ppb
Manganese	55-2	357.14	359.11	354.45	356.90	0.66	ppb
Molybdenum	94-1	40.75	41.60	41.79	41.38	1.34	ppb
Molybdenum	95-1	31.45	32.10	31.39	31.64	1.24	ppb
Molybdenum	96-1	32.26	33.07	32.11	32.48	1.58	ppb
Molybdenum	97-1	31.28	31.52	31.98	31.60	1.13	ppb
Molybdenum	98-1	31.57	31.82	31.27	31.56	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.45	13.63	13.66	13.58	0.82	ppb
Phosphorus	31-2	74.10	75.41	64.12	71.21	8.68	ppb
Potassium	39-2	1276.83	1295.28	1274.06	1282.06	0.90	ppb
Rhodium	103-1				116		%
Rhodium	103-2				112		%
Scandium	45-1				113		%
Scandium	45-2				108		%
Selenium	82-1	10.57	10.60	9.92	10.37	3.69	ppb
Selenium	77-2	11.21	13.65	11.10	11.99	12.00	ppb
Selenium	78-2	9.41	10.35	12.32	10.69	13.89	ppb
Silicon	28-1	56.26	56.95	56.54	56.58	0.61	ppb
Silver	107-1	1.49	1.59	1.56	1.55	3.33	ppb
Silver	109-1	1.50	1.64	1.60	1.58	4.74	ppb
Sodium	23-2	1034.25	1049.32	1036.46	1040.01	0.78	ppb
Strontium	86-1	29.01	28.84	29.20	29.02	0.63	ppb
Strontium	88-1	27.34	27.93	27.87	27.71	1.17	ppb
Sulfur	34-1	8129.44	8512.05	8470.14	8370.54	2.51	ppb
Terbium	159-1				113		%
Terbium	159-2				110		%
Thallium	203-1	8.36	8.69	8.59	8.55	1.98	ppb
Thallium	205-1	8.14	8.38	8.45	8.32	1.91	ppb
Tin	118-1	7.75	8.07	7.98	7.93	2.13	ppb
Titanium	47-1	0.40	0.32	0.45	0.39	16.62	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 :	Q2639-14ADLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:52:22	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.80	8.07	7.85	7.91	1.83	ppb
Vanadium	51-2	11.15	11.21	11.04	11.13	0.75	ppb
Yttrium	89-1				117		%
Yttrium	89-2				115		%
Zinc	66-2	129.94	128.54	129.59	129.36	0.56	ppb
Zirconium	90-1	8.37	8.54	8.45	8.45	1.00	ppb
Zirconium	91-1	8.74	8.72	8.73	8.73	0.10	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 :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:06:30	DataFile Name :	056CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45286.99	44143.49	46516.42	45315.63	2.62	ppb
Antimony	121-1	496.30	513.04	502.69	504.01	1.68	ppb
Arsenic	75-2	496.18	492.65	501.76	496.86	0.92	ppb
Barium	135-1	2468.13	2554.49	2455.55	2492.72	2.16	ppb
Barium	137-1	2483.94	2509.47	2498.13	2497.18	0.51	ppb
Beryllium	9-1	521.48	522.79	521.36	521.87	0.15	ppb
Bismuth	209-1				109		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	484.33	485.66	484.20	484.73	0.17	ppb
Cadmium	106-1	481.25	493.92	490.73	488.63	1.35	ppb
Cadmium	111-1	481.70	484.10	481.90	482.56	0.28	ppb
Calcium	43-1	226264.62	232696.50	235030.39	231330.50	1.96	ppb
Calcium	44-1	228119.16	233003.08	229009.13	230043.79	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	506.25	508.24	509.00	507.83	0.28	ppb
Cobalt	59-2	498.73	485.88	496.40	493.67	1.39	ppb
Copper	63-2	5135.60	5180.21	5282.53	5199.45	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				115		%
Holmium	165-2				110		%
Indium	115-1				113		%
Indium	115-2				108		%
Iron	56-2	119790.97	117404.20	119734.72	118976.63	1.14	ppb
Iron	57-2	117849.09	115737.16	117648.79	117078.34	1.00	ppb
Iron	54-2	118402.58	117035.26	118785.49	118074.45	0.78	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 :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:06:30	DataFile Name :	056CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2569.11	2558.34	2504.17	2543.87	1.37	ppb
Lead	207-1	2498.86	2474.28	2416.37	2463.17	1.72	ppb
Lead	208-1	2479.93	2468.07	2455.15	2467.72	0.50	ppb
Lithium	6-1				102		%
Magnesium	24-2	229169.48	226510.53	229042.46	228240.82	0.66	ppb
Manganese	55-2	5413.09	5385.48	5469.85	5422.81	0.79	ppb
Molybdenum	94-1	4958.46	4963.24	5023.33	4981.68	0.73	ppb
Molybdenum	95-1	4972.85	4914.25	5017.02	4968.04	1.04	ppb
Molybdenum	96-1	4908.04	4939.89	4990.47	4946.13	0.84	ppb
Molybdenum	97-1	4894.07	4917.41	4930.56	4914.01	0.38	ppb
Molybdenum	98-1	4912.59	4942.62	5006.99	4954.06	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	471.67	467.11	471.83	470.20	0.57	ppb
Phosphorus	31-2	9702.43	9649.86	9795.32	9715.87	0.76	ppb
Potassium	39-2	113514.85	112821.14	115381.07	113905.69	1.16	ppb
Rhodium	103-1				112		%
Rhodium	103-2				107		%
Scandium	45-1				114		%
Scandium	45-2				109		%
Selenium	82-1	472.76	475.18	471.56	473.17	0.39	ppb
Selenium	77-2	477.02	470.91	488.85	478.93	1.90	ppb
Selenium	78-2	475.38	486.03	477.24	479.55	1.19	ppb
Silicon	28-1	42.74	45.22	45.74	44.57	3.60	ppb
Silver	107-1	508.90	511.89	509.81	510.20	0.30	ppb
Silver	109-1	513.88	511.08	505.02	509.99	0.89	ppb
Sodium	23-2	229988.53	230561.36	232004.47	230851.45	0.45	ppb
Strontium	86-1	446.38	451.20	449.52	449.03	0.55	ppb
Strontium	88-1	507.18	517.26	510.76	511.73	1.00	ppb
Sulfur	34-1	7844.16	8289.69	8411.82	8181.89	3.65	ppb
Terbium	159-1				116		%
Terbium	159-2				111		%
Thallium	203-1	516.99	527.25	505.65	516.63	2.09	ppb
Thallium	205-1	512.15	519.35	507.82	513.11	1.14	ppb
Tin	118-1	493.49	498.80	499.45	497.25	0.66	ppb
Titanium	47-1	4798.89	4827.05	4938.96	4854.97	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 :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:06:30	DataFile Name :	056CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	505.52	507.83	494.80	502.72	1.38	ppb
Vanadium	51-2	510.97	502.50	499.42	504.30	1.19	ppb
Yttrium	89-1				118		%
Yttrium	89-2				112		%
Zinc	66-2	5180.67	5151.11	5191.78	5174.52	0.41	ppb
Zirconium	90-1	491.27	496.16	496.49	494.64	0.59	ppb
Zirconium	91-1	431.96	436.96	434.23	434.38	0.58	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 :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:09:47	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.24	0.33	-0.24	0.11	281.80	ppb
Antimony	121-1	0.12	0.12	0.11	0.11	4.18	ppb
Arsenic	75-2	0.02	-0.02	-0.01	0.00		ppb
Barium	135-1	0.00	0.04	0.03	0.02	75.62	ppb
Barium	137-1	0.01	0.05	0.03	0.03	65.97	ppb
Beryllium	9-1	0.02	0.01	0.02	0.02	24.01	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.03	0.06	0.04	47.42	ppb
Cadmium	106-1	-2.76	-3.45	-2.92	-3.04		ppb
Cadmium	111-1	0.00	-0.01	0.01	0.00	2353.60	ppb
Calcium	43-1	2.06	1.38	2.86	2.10	35.14	ppb
Calcium	44-1	12.66	15.98	14.16	14.27	11.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.01	-0.02	0.00		ppb
Cobalt	59-2	0.01	0.02	0.01	0.01	28.40	ppb
Copper	63-2	0.08	0.06	0.03	0.06	38.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				103		%
Indium	115-1				108		%
Indium	115-2				105		%
Iron	56-2	3.17	2.32	1.49	2.33	36.23	ppb
Iron	57-2	2.87	2.04	1.63	2.18	28.92	ppb
Iron	54-2	3.02	2.28	1.41	2.24	36.02	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 :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:09:47	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.12	0.12	0.11	12.08	ppb
Lead	207-1	0.09	0.13	0.10	0.11	21.02	ppb
Lead	208-1	0.10	0.11	0.11	0.11	8.73	ppb
Lithium	6-1				98		%
Magnesium	24-2	5.21	3.65	2.00	3.62	44.36	ppb
Manganese	55-2	0.64	0.61	0.64	0.63	3.10	ppb
Molybdenum	94-1	0.15	0.20	0.20	0.18	16.57	ppb
Molybdenum	95-1	0.15	0.19	0.12	0.15	20.36	ppb
Molybdenum	96-1	0.14	0.14	0.14	0.14	1.22	ppb
Molybdenum	97-1	0.14	0.16	0.14	0.15	7.11	ppb
Molybdenum	98-1	0.12	0.18	0.14	0.15	20.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.01	-0.06	-0.04		ppb
Phosphorus	31-2	-146.13	-137.72	-140.80	-141.55		ppb
Potassium	39-2	29.56	28.10	27.47	28.37	3.78	ppb
Rhodium	103-1				107		%
Rhodium	103-2				104		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	82-1	-0.37	-0.17	-0.72	-0.42		ppb
Selenium	77-2	-0.09	-0.09	-0.09	-0.09		ppb
Selenium	78-2	1.93	1.64	1.11	1.56	26.54	ppb
Silicon	28-1	-0.35	-0.31	-0.72	-0.46		ppb
Silver	107-1	0.02	0.03	0.03	0.03	17.76	ppb
Silver	109-1	0.02	0.03	0.03	0.03	11.79	ppb
Sodium	23-2	71.95	68.45	66.17	68.86	4.23	ppb
Strontium	86-1	-0.01	-0.02	-0.07	-0.03		ppb
Strontium	88-1	0.00	0.01	0.00	0.01	49.05	ppb
Sulfur	34-1	-1742.68	-1576.38	-1724.55	-1681.20		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.08	0.08	0.07	0.08	4.58	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	1.61	ppb
Tin	118-1	0.04	0.02	0.04	0.03	36.53	ppb
Titanium	47-1	0.02	0.09	0.08	0.06	59.00	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 :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:09:47	DataFile Name :	057CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.01	0.01	0.00	52.21	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				110		%
Yttrium	89-2				104		%
Zinc	66-2	0.05	-0.09	-0.13	-0.06		ppb
Zirconium	90-1	0.04	0.05	0.05	0.05	12.98	ppb
Zirconium	91-1	0.04	0.04	0.04	0.04	6.57	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

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
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

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
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 :	Q2555-02DL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	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 :	Q2555-02DL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	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 :	Q2555-02DL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925DL	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 :	Q2555-02DUPDL4X100	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 :	Q2555-02DUPDL4X100	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 :	Q2555-02DUPDL4X100	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 :	Q2555-02LDL4X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	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 :	Q2555-02LDL4X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	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 :	Q2555-02LDL4X500	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925LDL	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 :	Q2555-02MSDL4X100	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 :	Q2555-02MSDL4X100	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 :	Q2555-02MSDL4X100	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 :	Q2555-02MSDDL4X100	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 :	Q2555-02MSDDL4X100	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 :	Q2555-02MSDDL4X100	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 :	Q2555-02ADL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	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 :	Q2555-02ADL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	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 :	Q2555-02ADL4X100	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-29-070925ADL	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 :	Q2555-04DL4X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	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 :	Q2555-04DL4X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	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 :	Q2555-04DL4X50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-30-070925DL	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 :	Q2638-04DLX50	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 :	Q2638-04DLX50	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 :	Q2638-04DLX50	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

Reviewed By:Janvi
On:7/24/2025 2:40:05 PM
Inst Id :P7
LB :LB136601

LB Number :	LB136601	Operator :	Jaswal
Lab Sample ID :	Q2638-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:50:11	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	383804	381158	385391	383451	0.56	cps
Antimony	121-1	147	157	163	156	5.39	cps
Arsenic	75-2	637	613	640	630	2.31	cps
Barium	135-1	3671	3924	3744	3779	3.45	cps
Barium	137-1	6105	6555	6275	6311	3.60	cps
Beryllium	9-1	243	243	247	244	0.79	cps
Bismuth	209-1	4530876	4468170	4603739	4534262	1.50	cps
Bismuth	209-2	4463175	4347897	4421509	4410861	1.32	cps
Bromine	81-1	10250	10187	10440	10293	1.28	cps
Bromine	81-2	260	337	263	287	15.12	cps
Cadmium	108-1	20	27	17	21	24.12	cps
Cadmium	106-1	1813	2150	2074	2012	8.77	cps
Cadmium	111-1	491	490	519	500	3.33	cps
Calcium	43-1	87202	86022	86334	86519	0.71	cps
Calcium	44-1	1546917	1551723	1565634	1554758	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6261	5901	5968	6043	3.17	cps
Cobalt	59-2	23468	22707	22908	23028	1.71	cps
Copper	63-2	37614	37460	37176	37417	0.59	cps
Dysprosium	156-1	8649	8883	8539	8691	2.02	cps
Dysprosium	156-2	9083	8886	9203	9057	1.77	cps
Erbium	164-1	9170	8866	8820	8952	2.12	cps
Erbium	164-2	7392	7209	7625	7409	2.82	cps
Gadolinium	160-1	8419	8319	8463	8400	0.88	cps
Gadolinium	160-2	7629	7312	7789	7577	3.20	cps
Holmium	165-1	7118010	6899910	6974751	6997557	1.58	cps
Holmium	165-2	5817570	5790367	5767358	5791765	0.43	cps
Indium	115-1	6187697	6111580	6209582	6169619	0.83	cps
Indium	115-2	2594020	2594385	2637321	2608575	0.95	cps
Iron	56-2	1393361	1380454	1409591	1394469	1.05	cps
Iron	57-2	33584	33574	33638	33599	0.10	cps
Iron	54-2	71054	70183	69701	70312	0.98	cps
Krypton	83-1	560	490	430	493	13.19	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 :	Q2638-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:50:11	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10594	10127	10871	10531	3.57	cps
Lead	207-1	8476	8866	8753	8698	2.31	cps
Lead	208-1	40123	40534	41295	40651	1.46	cps
Lithium	6-1	669528	667094	676234	670952	0.71	cps
Magnesium	24-2	229195	228561	231067	229608	0.57	cps
Manganese	55-2	779381	772307	780730	777473	0.58	cps
Molybdenum	94-1	503	473	567	514	9.26	cps
Molybdenum	95-1	303	307	303	304	0.63	cps
Molybdenum	96-1	377	420	453	417	9.23	cps
Molybdenum	97-1	173	180	207	187	9.45	cps
Molybdenum	98-1	423	543	387	451	18.17	cps
Neodymium	150-1	13196	13019	13473	13230	1.73	cps
Neodymium	150-2	9353	9393	9677	9474	1.86	cps
Nickel	60-2	5278	5318	5534	5377	2.57	cps
Phosphorus	31-2	2710	2704	2854	2756	3.08	cps
Potassium	39-2	473084	469304	470806	471064	0.40	cps
Rhodium	103-1	6267425	6215720	6188893	6224013	0.64	cps
Rhodium	103-2	4219485	4221046	4243118	4227883	0.31	cps
Scandium	45-1	4190466	4081816	4151017	4141100	1.33	cps
Scandium	45-2	358986	352783	355105	355625	0.88	cps
Selenium	82-1	100	164	237	167	40.76	cps
Selenium	77-2	37	27	53	39	34.63	cps
Selenium	78-2	620	517	480	539	13.47	cps
Silicon	28-1	4813852	4815305	4940093	4856416	1.49	cps
Silver	107-1	87	83	87	86	2.25	cps
Silver	109-1	60	63	67	63	5.27	cps
Sodium	23-2	154865	152997	154996	154286	0.72	cps
Strontium	86-1	30933	30702	30558	30731	0.61	cps
Strontium	88-1	257850	264888	261035	261258	1.35	cps
Sulfur	34-1	424464	425289	421228	423661	0.51	cps
Terbium	159-1	7182878	7292386	7266098	7247121	0.79	cps
Terbium	159-2	5754625	5830165	5672269	5752353	1.37	cps
Thallium	203-1	283	273	280	279	1.83	cps
Thallium	205-1	733	833	773	780	6.45	cps
Tin	118-1	1090	1150	1153	1131	3.15	cps
Titanium	47-1	717	640	703	687	5.97	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 :	Q2638-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-33-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:50:11	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7422	7942	7659	7675	3.39	cps
Vanadium	51-2	8392	8759	8743	8631	2.40	cps
Yttrium	89-1	9884082	9899683	9796899	9860221	0.56	cps
Yttrium	89-2	2970746	2942984	2935077	2949602	0.64	cps
Zinc	66-2	23479	22748	23592	23273	1.97	cps
Zirconium	90-1	870	893	947	903	4.35	cps
Zirconium	91-1	210	180	307	232	28.50	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 :	Q2638-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:53:26	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	301265	298998	297699	299321	0.60	cps
Antimony	121-1	113	97	103	104	8.03	cps
Arsenic	75-2	397	403	400	400	0.83	cps
Barium	135-1	3951	3857	4184	3997	4.21	cps
Barium	137-1	7149	7189	7462	7266	2.35	cps
Beryllium	9-1	297	280	247	274	9.28	cps
Bismuth	209-1	4346982	4478118	4433934	4419678	1.51	cps
Bismuth	209-2	4406421	4343111	4345670	4365067	0.82	cps
Bromine	81-1	10087	10544	10324	10318	2.22	cps
Bromine	81-2	277	323	263	288	10.95	cps
Cadmium	108-1	33	43	47	41	16.89	cps
Cadmium	106-1	2114	2150	2217	2160	2.43	cps
Cadmium	111-1	655	608	609	624	4.27	cps
Calcium	43-1	115527	115335	115670	115511	0.15	cps
Calcium	44-1	2013813	2079935	2085419	2059722	1.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4774	4684	4484	4647	3.20	cps
Cobalt	59-2	26704	26938	26754	26798	0.46	cps
Copper	63-2	20017	20167	19950	20045	0.55	cps
Dysprosium	156-1	5441	5334	5331	5369	1.17	cps
Dysprosium	156-2	6185	5968	5941	6031	2.21	cps
Erbium	164-1	5718	5504	5534	5586	2.07	cps
Erbium	164-2	4774	4487	4421	4561	4.12	cps
Gadolinium	160-1	5258	5491	5434	5394	2.26	cps
Gadolinium	160-2	4924	4854	4791	4856	1.37	cps
Holmium	165-1	6945528	6847258	6985351	6926045	1.03	cps
Holmium	165-2	5790996	5812728	5704946	5769557	0.99	cps
Indium	115-1	6131291	6111670	6204053	6149005	0.79	cps
Indium	115-2	2624990	2639525	2634802	2633106	0.28	cps
Iron	56-2	629551	619400	622360	623770	0.84	cps
Iron	57-2	18922	18311	18542	18592	1.66	cps
Iron	54-2	37146	36384	35425	36318	2.37	cps
Krypton	83-1	417	490	593	500	17.75	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 :	Q2638-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:53:26	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5154	5224	5401	5260	2.42	cps
Lead	207-1	4711	4578	4701	4663	1.59	cps
Lead	208-1	20750	20933	21190	20958	1.06	cps
Lithium	6-1	659538	660322	660809	660223	0.10	cps
Magnesium	24-2	315774	310220	309462	311818	1.11	cps
Manganese	55-2	1027905	1020775	1008958	1019213	0.94	cps
Molybdenum	94-1	420	410	437	422	3.19	cps
Molybdenum	95-1	310	250	297	286	11.03	cps
Molybdenum	96-1	410	370	407	396	5.61	cps
Molybdenum	97-1	223	200	223	216	6.25	cps
Molybdenum	98-1	423	420	453	432	4.25	cps
Neodymium	150-1	8029	8082	7969	8027	0.71	cps
Neodymium	150-2	5688	5675	5715	5692	0.36	cps
Nickel	60-2	5708	5658	5661	5676	0.49	cps
Phosphorus	31-2	2050	1977	2087	2038	2.75	cps
Potassium	39-2	605184	600298	591762	599081	1.13	cps
Rhodium	103-1	6292690	6261758	6216474	6256974	0.61	cps
Rhodium	103-2	4220801	4242206	4214660	4225889	0.34	cps
Scandium	45-1	4128636	4076028	4170244	4124969	1.14	cps
Scandium	45-2	357663	352944	355896	355501	0.67	cps
Selenium	82-1	192	124	21	112	76.37	cps
Selenium	77-2	27	17	13	19	36.75	cps
Selenium	78-2	510	560	553	541	5.02	cps
Silicon	28-1	4613525	4649975	4685638	4649713	0.78	cps
Silver	107-1	67	67	60	64	5.98	cps
Silver	109-1	37	63	43	48	29.04	cps
Sodium	23-2	193194	194319	193547	193686	0.30	cps
Strontium	86-1	42648	42872	43203	42908	0.65	cps
Strontium	88-1	364351	365131	366522	365335	0.30	cps
Sulfur	34-1	401730	399842	399699	400423	0.28	cps
Terbium	159-1	7326861	7363720	7442226	7377602	0.80	cps
Terbium	159-2	5802525	5826296	5795897	5808239	0.28	cps
Thallium	203-1	287	340	270	299	12.23	cps
Thallium	205-1	697	747	630	691	8.47	cps
Tin	118-1	1327	1167	1233	1242	6.47	cps
Titanium	47-1	2700	2564	2850	2705	5.30	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 :	Q2638-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-34-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:53:26	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2457	2724	2520	2567	5.43	cps
Vanadium	51-2	4487	4591	4637	4572	1.68	cps
Yttrium	89-1	9773326	9688311	9855749	9772462	0.86	cps
Yttrium	89-2	2915759	2907266	2894632	2905886	0.37	cps
Zinc	66-2	27703	27325	27175	27401	0.99	cps
Zirconium	90-1	760	807	867	811	6.59	cps
Zirconium	91-1	110	150	153	138	17.50	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 :	Q2638-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:56:44	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	314429	307668	309267	310455	1.14	cps
Antimony	121-1	120	117	93	110	13.21	cps
Arsenic	75-2	400	427	403	410	3.54	cps
Barium	135-1	2727	2904	2794	2808	3.18	cps
Barium	137-1	5108	5094	5064	5089	0.44	cps
Beryllium	9-1	247	243	207	232	9.56	cps
Bismuth	209-1	4508275	4481011	4623823	4537703	1.67	cps
Bismuth	209-2	4482884	4482655	4354703	4440081	1.67	cps
Bromine	81-1	10250	10430	10154	10278	1.37	cps
Bromine	81-2	217	243	237	232	5.98	cps
Cadmium	108-1	27	43	50	40	30.04	cps
Cadmium	106-1	2077	2034	1977	2029	2.47	cps
Cadmium	111-1	682	600	549	610	11.00	cps
Calcium	43-1	64537	64084	64332	64318	0.35	cps
Calcium	44-1	1197862	1176097	1198931	1190964	1.08	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13109	13309	13346	13255	0.96	cps
Cobalt	59-2	21733	21933	21993	21886	0.62	cps
Copper	63-2	98769	98488	98861	98706	0.20	cps
Dysprosium	156-1	9150	8643	8890	8894	2.85	cps
Dysprosium	156-2	9233	9550	9026	9270	2.85	cps
Erbium	164-1	9103	8750	9113	8989	2.30	cps
Erbium	164-2	7759	7492	7542	7598	1.87	cps
Gadolinium	160-1	8893	8880	9146	8973	1.68	cps
Gadolinium	160-2	7869	7986	8069	7975	1.26	cps
Holmium	165-1	7041396	7096411	7134309	7090705	0.66	cps
Holmium	165-2	5952307	5779482	5762363	5831384	1.80	cps
Indium	115-1	6220381	6251626	6210350	6227452	0.35	cps
Indium	115-2	2624757	2573315	2627236	2608436	1.17	cps
Iron	56-2	3407705	3446224	3413609	3422513	0.61	cps
Iron	57-2	78443	76802	77944	77730	1.08	cps
Iron	54-2	170395	169476	171746	170539	0.67	cps
Krypton	83-1	593	543	583	573	4.61	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 :	Q2638-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:56:44	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23110	23397	24015	23507	1.97	cps
Lead	207-1	18716	19731	19805	19417	3.13	cps
Lead	208-1	90654	91932	92088	91558	0.86	cps
Lithium	6-1	671765	667287	670302	669785	0.34	cps
Magnesium	24-2	193113	194020	189960	192364	1.11	cps
Manganese	55-2	646642	644939	644689	645423	0.16	cps
Molybdenum	94-1	413	413	440	422	3.65	cps
Molybdenum	95-1	303	290	257	283	8.48	cps
Molybdenum	96-1	380	317	357	351	9.12	cps
Molybdenum	97-1	213	240	200	218	9.35	cps
Molybdenum	98-1	453	397	477	442	9.30	cps
Neodymium	150-1	13660	13767	14017	13815	1.33	cps
Neodymium	150-2	9803	9523	9176	9501	3.31	cps
Nickel	60-2	6235	5971	5734	5980	4.18	cps
Phosphorus	31-2	3514	3637	3594	3582	1.75	cps
Potassium	39-2	299695	299007	297924	298876	0.30	cps
Rhodium	103-1	6325025	6331113	6358185	6338108	0.28	cps
Rhodium	103-2	4236082	4269137	4298630	4267950	0.73	cps
Scandium	45-1	4120845	4104280	4172192	4132439	0.86	cps
Scandium	45-2	355538	357906	359659	357701	0.58	cps
Selenium	82-1	94	95	49	79	33.38	cps
Selenium	77-2	33	27	37	32	15.80	cps
Selenium	78-2	493	577	487	519	9.66	cps
Silicon	28-1	4784695	4659227	4841769	4761897	1.96	cps
Silver	107-1	47	70	73	63	22.94	cps
Silver	109-1	53	67	47	56	18.33	cps
Sodium	23-2	101502	101150	101653	101435	0.25	cps
Strontium	86-1	19443	19096	19136	19225	0.99	cps
Strontium	88-1	159297	160946	160673	160305	0.55	cps
Sulfur	34-1	406017	409394	404138	406516	0.66	cps
Terbium	159-1	7216827	7352904	7387416	7319049	1.23	cps
Terbium	159-2	5864395	5817922	5711738	5798018	1.35	cps
Thallium	203-1	270	300	237	269	11.78	cps
Thallium	205-1	617	703	633	651	7.06	cps
Tin	118-1	1127	1147	1097	1123	2.24	cps
Titanium	47-1	1437	1367	1340	1381	3.62	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 :	Q2638-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-35-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:56:44	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15633	15990	15619	15747	1.33	cps
Vanadium	51-2	12382	12415	12559	12452	0.75	cps
Yttrium	89-1	9954164	9910866	9850989	9905340	0.52	cps
Yttrium	89-2	2937946	2954526	2917634	2936702	0.63	cps
Zinc	66-2	25004	24821	24524	24783	0.98	cps
Zirconium	90-1	743	740	713	732	2.25	cps
Zirconium	91-1	153	103	133	130	19.36	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 :	Q2638-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:59:58	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	295957	297116	297836	296969	0.32	cps
Antimony	121-1	70	103	107	93	21.72	cps
Arsenic	75-2	403	423	430	419	3.31	cps
Barium	135-1	2847	3044	2724	2871	5.62	cps
Barium	137-1	5151	5098	4874	5041	2.91	cps
Beryllium	9-1	210	183	223	206	9.91	cps
Bismuth	209-1	4529794	4433102	4564072	4508989	1.51	cps
Bismuth	209-2	4404589	4366753	4400593	4390645	0.47	cps
Bromine	81-1	10120	10334	10327	10260	1.18	cps
Bromine	81-2	220	303	273	266	15.90	cps
Cadmium	108-1	50	47	33	43	20.36	cps
Cadmium	106-1	2170	2064	2154	2129	2.70	cps
Cadmium	111-1	602	567	589	586	3.02	cps
Calcium	43-1	64952	66776	65711	65813	1.39	cps
Calcium	44-1	1075895	1220794	1209480	1168723	6.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14230	13603	14284	14039	2.70	cps
Cobalt	59-2	21462	21429	21319	21403	0.35	cps
Copper	63-2	104848	104857	103959	104555	0.49	cps
Dysprosium	156-1	8883	9096	8773	8917	1.84	cps
Dysprosium	156-2	9093	9390	9256	9246	1.61	cps
Erbium	164-1	9100	9196	9193	9163	0.60	cps
Erbium	164-2	7415	7385	7379	7393	0.26	cps
Gadolinium	160-1	8950	8746	8923	8873	1.25	cps
Gadolinium	160-2	7776	7909	8076	7920	1.90	cps
Holmium	165-1	7104780	6895888	7073593	7024754	1.60	cps
Holmium	165-2	5878190	5724523	5758208	5786974	1.40	cps
Indium	115-1	6273496	6204361	6184358	6220738	0.75	cps
Indium	115-2	2641882	2652828	2598598	2631103	1.09	cps
Iron	56-2	3386637	3308786	3450518	3381980	2.10	cps
Iron	57-2	76798	75408	75298	75835	1.10	cps
Iron	54-2	167148	165658	167926	166910	0.69	cps
Krypton	83-1	527	543	523	531	2.02	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 :	Q2638-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:59:58	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	24626	25197	25127	24983	1.25	cps
Lead	207-1	20102	20893	20476	20490	1.93	cps
Lead	208-1	95338	97758	96631	96576	1.25	cps
Lithium	6-1	669571	669930	672954	670819	0.28	cps
Magnesium	24-2	193710	193809	193776	193765	0.03	cps
Manganese	55-2	633999	627233	630772	630668	0.54	cps
Molybdenum	94-1	387	373	377	379	1.83	cps
Molybdenum	95-1	317	300	257	291	10.64	cps
Molybdenum	96-1	380	330	323	344	8.99	cps
Molybdenum	97-1	240	253	197	230	12.88	cps
Molybdenum	98-1	507	397	477	460	12.36	cps
Neodymium	150-1	13330	13764	13620	13571	1.63	cps
Neodymium	150-2	9793	9353	9143	9430	3.52	cps
Nickel	60-2	5845	5908	5671	5808	2.11	cps
Phosphorus	31-2	3734	3694	3754	3727	0.82	cps
Potassium	39-2	298602	295073	298168	297281	0.65	cps
Rhodium	103-1	6420803	6375818	6355641	6384087	0.52	cps
Rhodium	103-2	4291419	4249750	4233310	4258160	0.70	cps
Scandium	45-1	4123563	4146462	4127880	4132635	0.29	cps
Scandium	45-2	356449	352657	353239	354115	0.58	cps
Selenium	82-1	136	141	146	141	3.38	cps
Selenium	77-2	23	47	60	43	42.83	cps
Selenium	78-2	540	543	573	552	3.32	cps
Silicon	28-1	4752271	4829797	4903323	4828464	1.56	cps
Silver	107-1	77	43	67	62	27.50	cps
Silver	109-1	33	37	40	37	9.10	cps
Sodium	23-2	102848	102234	101982	102354	0.44	cps
Strontium	86-1	19553	19506	19917	19659	1.14	cps
Strontium	88-1	161049	163772	161985	162269	0.85	cps
Sulfur	34-1	405927	407138	406379	406481	0.15	cps
Terbium	159-1	7315970	7299314	7254062	7289782	0.44	cps
Terbium	159-2	5724769	5779410	5873051	5792410	1.29	cps
Thallium	203-1	233	290	280	268	11.30	cps
Thallium	205-1	627	560	563	583	6.44	cps
Tin	118-1	1123	1300	1100	1175	9.31	cps
Titanium	47-1	1340	1380	1300	1340	2.99	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 :	Q2638-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-36-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 12:59:58	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17024	16684	16484	16731	1.63	cps
Vanadium	51-2	12018	11808	11938	11921	0.89	cps
Yttrium	89-1	9788373	9910638	10000723	9899911	1.08	cps
Yttrium	89-2	2978538	2917096	2996487	2964040	1.40	cps
Zinc	66-2	24847	25311	24737	24965	1.22	cps
Zirconium	90-1	657	630	737	674	8.23	cps
Zirconium	91-1	127	143	150	140	8.58	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 :	Q2638-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:03:13	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	348520	349006	345981	347835	0.47	cps
Antimony	121-1	120	133	93	116	17.62	cps
Arsenic	75-2	437	447	460	448	2.61	cps
Barium	135-1	2864	2764	2824	2817	1.79	cps
Barium	137-1	5091	4954	5368	5138	4.10	cps
Beryllium	9-1	227	263	287	259	11.68	cps
Bismuth	209-1	4484008	4478680	4472645	4478444	0.13	cps
Bismuth	209-2	4482551	4414912	4428357	4441940	0.81	cps
Bromine	81-1	10267	10074	10857	10399	3.93	cps
Bromine	81-2	253	247	260	253	2.63	cps
Cadmium	108-1	60	43	60	54	17.68	cps
Cadmium	106-1	2147	2090	2124	2120	1.34	cps
Cadmium	111-1	659	629	797	695	12.90	cps
Calcium	43-1	74060	75567	76954	75527	1.92	cps
Calcium	44-1	1383479	1351877	1383807	1373054	1.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15121	14904	14971	14999	0.74	cps
Cobalt	59-2	24186	24487	23933	24202	1.15	cps
Copper	63-2	121583	121509	119621	120905	0.92	cps
Dysprosium	156-1	10484	10314	10491	10430	0.96	cps
Dysprosium	156-2	11378	11121	10761	11087	2.80	cps
Erbium	164-1	10374	10464	10968	10602	3.02	cps
Erbium	164-2	8923	8903	8506	8777	2.68	cps
Gadolinium	160-1	10634	10497	10608	10580	0.69	cps
Gadolinium	160-2	9350	9303	8860	9171	2.95	cps
Holmium	165-1	7068675	7187876	7152952	7136501	0.86	cps
Holmium	165-2	5920415	5820544	5846489	5862482	0.88	cps
Indium	115-1	6407066	6350996	6468002	6408688	0.91	cps
Indium	115-2	2678490	2692934	2621600	2664342	1.42	cps
Iron	56-2	3495508	3416308	3503819	3471878	1.39	cps
Iron	57-2	76983	79003	75740	77242	2.13	cps
Iron	54-2	171544	170208	169875	170542	0.52	cps
Krypton	83-1	507	480	533	507	5.26	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 :	Q2638-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:03:13	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	27592	27882	27097	27524	1.44	cps
Lead	207-1	22335	22873	22095	22434	1.78	cps
Lead	208-1	104055	106455	105210	105240	1.14	cps
Lithium	6-1	664266	651982	667826	661358	1.26	cps
Magnesium	24-2	218638	219081	216756	218158	0.57	cps
Manganese	55-2	736676	740743	739192	738871	0.28	cps
Molybdenum	94-1	463	457	400	440	7.91	cps
Molybdenum	95-1	263	287	267	272	4.64	cps
Molybdenum	96-1	353	310	327	330	6.62	cps
Molybdenum	97-1	237	227	227	230	2.51	cps
Molybdenum	98-1	410	440	367	406	9.09	cps
Neodymium	150-1	16166	16153	16493	16271	1.18	cps
Neodymium	150-2	11461	11078	11268	11269	1.70	cps
Nickel	60-2	6595	6415	6425	6478	1.56	cps
Phosphorus	31-2	3991	4174	4111	4092	2.28	cps
Potassium	39-2	327174	326256	324985	326139	0.34	cps
Rhodium	103-1	6538513	6387836	6296725	6407691	1.91	cps
Rhodium	103-2	4368319	4343335	4310473	4340709	0.67	cps
Scandium	45-1	4232410	4291577	4277157	4267048	0.72	cps
Scandium	45-2	361557	359199	359289	360015	0.37	cps
Selenium	82-1	128	206	79	138	46.66	cps
Selenium	77-2	37	27	30	31	16.37	cps
Selenium	78-2	540	580	557	559	3.60	cps
Silicon	28-1	5229757	5359997	5375742	5321832	1.51	cps
Silver	107-1	53	83	87	74	24.66	cps
Silver	109-1	40	33	37	37	9.10	cps
Sodium	23-2	108315	109506	108211	108677	0.66	cps
Strontium	86-1	22217	22905	22384	22502	1.59	cps
Strontium	88-1	186084	186349	190285	187573	1.25	cps
Sulfur	34-1	424951	429013	425108	426358	0.54	cps
Terbium	159-1	7440611	7343910	7260634	7348385	1.23	cps
Terbium	159-2	5925214	5891697	5749085	5855332	1.60	cps
Thallium	203-1	210	230	283	241	15.72	cps
Thallium	205-1	607	483	557	549	11.30	cps
Tin	118-1	1133	1173	1233	1180	4.27	cps
Titanium	47-1	1347	1563	1487	1466	7.50	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 :	Q2638-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-37-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:03:13	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17558	17849	17575	17661	0.92	cps
Vanadium	51-2	13519	13910	13880	13770	1.58	cps
Yttrium	89-1	9948964	10056312	10081385	10028887	0.70	cps
Yttrium	89-2	3000807	3056462	2996096	3017788	1.11	cps
Zinc	66-2	27869	27679	27349	27632	0.95	cps
Zirconium	90-1	777	610	700	696	11.99	cps
Zirconium	91-1	127	103	157	129	20.75	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 :	Q2639-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:06:26	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	375496	371513	369312	372107	0.84	cps
Antimony	121-1	137	163	170	157	11.26	cps
Arsenic	75-2	403	453	473	443	8.13	cps
Barium	135-1	2887	3050	2937	2958	2.83	cps
Barium	137-1	5081	5061	4978	5040	1.09	cps
Beryllium	9-1	240	253	293	262	10.59	cps
Bismuth	209-1	4572979	4588338	4624530	4595283	0.58	cps
Bismuth	209-2	4513165	4406442	4412519	4444042	1.35	cps
Bromine	81-1	10591	10594	10871	10685	1.51	cps
Bromine	81-2	250	237	243	243	2.74	cps
Cadmium	108-1	50	73	70	64	19.58	cps
Cadmium	106-1	2360	2180	2184	2241	4.59	cps
Cadmium	111-1	718	780	773	757	4.50	cps
Calcium	43-1	91917	92590	92242	92250	0.37	cps
Calcium	44-1	1605210	1621987	1682597	1636598	2.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16105	15305	15641	15684	2.56	cps
Cobalt	59-2	29793	29559	29389	29580	0.69	cps
Copper	63-2	127757	127606	127800	127721	0.08	cps
Dysprosium	156-1	11628	11705	11628	11654	0.38	cps
Dysprosium	156-2	12215	12099	11918	12078	1.24	cps
Erbium	164-1	11368	11832	11031	11410	3.52	cps
Erbium	164-2	9380	9563	9613	9519	1.29	cps
Gadolinium	160-1	11255	11351	10931	11179	1.97	cps
Gadolinium	160-2	10047	9847	9580	9825	2.38	cps
Holmium	165-1	7143497	7172778	7120621	7145632	0.37	cps
Holmium	165-2	5991234	5935208	5963097	5963179	0.47	cps
Indium	115-1	6421945	6473822	6403874	6433214	0.56	cps
Indium	115-2	2688319	2658499	2676080	2674299	0.56	cps
Iron	56-2	3061678	3057906	2982003	3033862	1.48	cps
Iron	57-2	69764	70354	70203	70107	0.44	cps
Iron	54-2	151885	149494	148181	149854	1.25	cps
Krypton	83-1	490	557	550	532	6.90	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 :	Q2639-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:06:26	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	26079	26736	26379	26398	1.25	cps
Lead	207-1	22028	21965	21604	21865	1.05	cps
Lead	208-1	101106	103749	101722	102192	1.35	cps
Lithium	6-1	649003	649540	660959	653168	1.03	cps
Magnesium	24-2	230443	226355	229396	228731	0.93	cps
Manganese	55-2	839828	836144	828715	834896	0.68	cps
Molybdenum	94-1	353	400	443	399	11.28	cps
Molybdenum	95-1	290	247	330	289	14.43	cps
Molybdenum	96-1	337	390	403	377	9.37	cps
Molybdenum	97-1	217	187	207	203	7.51	cps
Molybdenum	98-1	463	500	417	460	9.08	cps
Neodymium	150-1	16797	17144	16900	16947	1.05	cps
Neodymium	150-2	12356	11962	11765	12027	2.50	cps
Nickel	60-2	7422	7499	7369	7430	0.88	cps
Phosphorus	31-2	3944	3834	3887	3888	1.42	cps
Potassium	39-2	360446	356462	356968	357959	0.61	cps
Rhodium	103-1	6585533	6610429	6566304	6587422	0.34	cps
Rhodium	103-2	4406743	4294560	4337545	4346282	1.30	cps
Scandium	45-1	4278446	4211613	4430750	4306937	2.61	cps
Scandium	45-2	367261	360439	364495	364065	0.94	cps
Selenium	82-1	140	117	161	139	15.68	cps
Selenium	77-2	33	53	50	46	23.52	cps
Selenium	78-2	573	600	483	552	11.07	cps
Silicon	28-1	5594654	5745958	5565097	5635236	1.72	cps
Silver	107-1	53	57	67	59	11.79	cps
Silver	109-1	43	33	47	41	16.89	cps
Sodium	23-2	120242	119684	118230	119385	0.87	cps
Strontium	86-1	27342	27372	27285	27333	0.16	cps
Strontium	88-1	228499	231526	229299	229775	0.68	cps
Sulfur	34-1	427678	424646	420161	424161	0.89	cps
Terbium	159-1	7395077	7388092	7489807	7424326	0.77	cps
Terbium	159-2	6067581	5807989	5898175	5924582	2.22	cps
Thallium	203-1	253	217	210	227	10.30	cps
Thallium	205-1	513	530	517	520	1.70	cps
Tin	118-1	1273	1210	1140	1208	5.52	cps
Titanium	47-1	1000	1110	997	1036	6.23	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 :	Q2639-02DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-38-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:06:26	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16480	16203	16707	16464	1.53	cps
Vanadium	51-2	14507	14681	14364	14517	1.09	cps
Yttrium	89-1	10129834	10294827	10338142	10254268	1.07	cps
Yttrium	89-2	3153768	2984945	3035237	3057983	2.83	cps
Zinc	66-2	30795	30297	30621	30571	0.83	cps
Zirconium	90-1	770	703	683	719	6.31	cps
Zirconium	91-1	160	143	123	142	12.91	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 :	Q2639-04DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:09:41	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	328154	329554	325380	327696	0.65	cps
Antimony	121-1	107	110	103	107	3.13	cps
Arsenic	75-2	430	460	500	463	7.58	cps
Barium	135-1	2670	2964	2844	2826	5.22	cps
Barium	137-1	4574	5034	4898	4835	4.89	cps
Beryllium	9-1	173	290	180	214	30.55	cps
Bismuth	209-1	4545944	4532874	4569212	4549344	0.40	cps
Bismuth	209-2	4417326	4434746	4415182	4422418	0.24	cps
Bromine	81-1	10744	11011	11151	10969	1.88	cps
Bromine	81-2	280	290	310	293	5.21	cps
Cadmium	108-1	27	37	37	33	17.32	cps
Cadmium	106-1	2334	2144	2240	2239	4.24	cps
Cadmium	111-1	668	635	685	663	3.81	cps
Calcium	43-1	72352	72803	74063	73073	1.21	cps
Calcium	44-1	1321150	1313718	1336171	1323680	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15148	15128	14757	15011	1.46	cps
Cobalt	59-2	24109	23211	23742	23688	1.91	cps
Copper	63-2	106341	105677	107225	106414	0.73	cps
Dysprosium	156-1	9967	9667	9653	9762	1.82	cps
Dysprosium	156-2	10240	9977	10351	10189	1.88	cps
Erbium	164-1	9663	9627	9897	9729	1.51	cps
Erbium	164-2	7842	8136	7712	7897	2.75	cps
Gadolinium	160-1	9493	9537	9513	9514	0.23	cps
Gadolinium	160-2	8459	8423	8599	8494	1.10	cps
Holmium	165-1	7017052	7191841	7196397	7135096	1.43	cps
Holmium	165-2	5894184	5917594	5778472	5863417	1.27	cps
Indium	115-1	6371492	6432635	6398402	6400843	0.48	cps
Indium	115-2	2693463	2691986	2634422	2673290	1.26	cps
Iron	56-2	3765739	3794322	3800700	3786920	0.49	cps
Iron	57-2	85837	85069	85337	85415	0.46	cps
Iron	54-2	188746	186505	186414	187221	0.71	cps
Krypton	83-1	600	580	463	548	13.47	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 :	Q2639-04DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:09:41	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	26596	26349	26887	26611	1.01	cps
Lead	207-1	21868	21617	21604	21696	0.68	cps
Lead	208-1	102909	100899	102973	102260	1.15	cps
Lithium	6-1	647333	648526	653651	649837	0.52	cps
Magnesium	24-2	207701	210220	206668	208196	0.88	cps
Manganese	55-2	673363	672537	674909	673603	0.18	cps
Molybdenum	94-1	387	423	377	396	6.21	cps
Molybdenum	95-1	257	230	290	259	11.61	cps
Molybdenum	96-1	333	443	350	376	15.79	cps
Molybdenum	97-1	223	223	230	226	1.70	cps
Molybdenum	98-1	400	360	473	411	13.98	cps
Neodymium	150-1	14511	14287	14317	14372	0.84	cps
Neodymium	150-2	10487	10327	10044	10286	2.18	cps
Nickel	60-2	6415	6778	6455	6549	3.04	cps
Phosphorus	31-2	3971	3974	4037	3994	0.94	cps
Potassium	39-2	319566	320138	316413	318705	0.63	cps
Rhodium	103-1	6446243	6482527	6480088	6469619	0.31	cps
Rhodium	103-2	4325755	4413778	4237732	4325755	2.03	cps
Scandium	45-1	4275812	4283855	4315065	4291577	0.48	cps
Scandium	45-2	364478	365000	364936	364805	0.08	cps
Selenium	82-1	106	58	216	127	63.68	cps
Selenium	77-2	40	43	23	36	30.14	cps
Selenium	78-2	587	633	500	573	11.80	cps
Silicon	28-1	5154391	5168523	5182788	5168567	0.27	cps
Silver	107-1	80	60	97	79	23.27	cps
Silver	109-1	53	50	57	53	6.25	cps
Sodium	23-2	104784	103089	102576	103483	1.12	cps
Strontium	86-1	21987	21693	21736	21805	0.73	cps
Strontium	88-1	180589	179850	180310	180250	0.21	cps
Sulfur	34-1	420725	425113	419558	421799	0.69	cps
Terbium	159-1	7348360	7415788	7286621	7350256	0.88	cps
Terbium	159-2	5924500	5886345	5934077	5914974	0.43	cps
Thallium	203-1	223	243	230	232	4.39	cps
Thallium	205-1	573	533	570	559	3.97	cps
Tin	118-1	1327	31825	1143	11432	154.49	cps
Titanium	47-1	1580	1667	1527	1591	4.44	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 :	Q2639-04DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-39-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:09:41	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15709	15946	15756	15804	0.79	cps
Vanadium	51-2	13436	13740	13750	13642	1.31	cps
Yttrium	89-1	10138181	10107696	10428862	10224913	1.73	cps
Yttrium	89-2	3045132	3036199	3011517	3030949	0.57	cps
Zinc	66-2	26884	26771	26754	26803	0.26	cps
Zirconium	90-1	863	677	713	751	13.17	cps
Zirconium	91-1	133	197	137	156	22.91	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 :	Q2639-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:12:55	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	360904	356059	359877	358946	0.71	cps
Antimony	121-1	107	107	90	101	9.52	cps
Arsenic	75-2	493	430	417	447	9.17	cps
Barium	135-1	2800	2834	3030	2888	4.30	cps
Barium	137-1	5074	5098	4731	4968	4.13	cps
Beryllium	9-1	247	220	270	246	10.19	cps
Bismuth	209-1	4474122	4558973	4566985	4533360	1.14	cps
Bismuth	209-2	4465423	4416743	4392914	4425027	0.84	cps
Bromine	81-1	11028	11158	11268	11151	1.08	cps
Bromine	81-2	280	237	303	273	12.38	cps
Cadmium	108-1	33	40	40	38	10.19	cps
Cadmium	106-1	2287	2240	2030	2186	6.26	cps
Cadmium	111-1	692	693	725	703	2.68	cps
Calcium	43-1	77979	78599	78928	78502	0.61	cps
Calcium	44-1	1394173	1438893	1420841	1417969	1.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14400	14370	14444	14405	0.26	cps
Cobalt	59-2	26023	26136	26610	26256	1.19	cps
Copper	63-2	121533	121774	120431	121246	0.59	cps
Dysprosium	156-1	10444	11288	10828	10853	3.89	cps
Dysprosium	156-2	11295	11361	11321	11326	0.30	cps
Erbium	164-1	10844	11578	10974	11132	3.52	cps
Erbium	164-2	8783	9000	9096	8960	1.79	cps
Gadolinium	160-1	10978	10681	10894	10851	1.41	cps
Gadolinium	160-2	9790	9653	9613	9686	0.96	cps
Holmium	165-1	7027899	7095229	7165820	7096316	0.97	cps
Holmium	165-2	5886254	5906613	5896052	5896307	0.17	cps
Indium	115-1	6373794	6405898	6390084	6389925	0.25	cps
Indium	115-2	2688468	2672414	2644818	2668567	0.83	cps
Iron	56-2	3246821	3262907	3300827	3270185	0.85	cps
Iron	57-2	74524	74279	73938	74247	0.40	cps
Iron	54-2	163364	161174	162417	162318	0.68	cps
Krypton	83-1	513	543	593	550	7.35	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 :	Q2639-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:12:55	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	25905	26496	26269	26223	1.14	cps
Lead	207-1	21531	21567	21490	21529	0.18	cps
Lead	208-1	101416	101163	101368	101316	0.13	cps
Lithium	6-1	640691	645835	647536	644687	0.55	cps
Magnesium	24-2	206815	205257	206534	206202	0.40	cps
Manganese	55-2	729670	722614	725104	725796	0.49	cps
Molybdenum	94-1	370	380	350	367	4.17	cps
Molybdenum	95-1	293	343	330	322	8.04	cps
Molybdenum	96-1	317	400	377	364	11.80	cps
Molybdenum	97-1	193	263	197	218	18.13	cps
Molybdenum	98-1	497	427	453	459	7.70	cps
Neodymium	150-1	16830	16410	16513	16584	1.32	cps
Neodymium	150-2	11648	11535	11768	11650	1.00	cps
Nickel	60-2	6612	6902	6602	6705	2.54	cps
Phosphorus	31-2	3770	3744	3764	3759	0.37	cps
Potassium	39-2	335168	332834	333705	333902	0.35	cps
Rhodium	103-1	6558759	6541425	6491001	6530395	0.54	cps
Rhodium	103-2	4387022	4274050	4334334	4331802	1.30	cps
Scandium	45-1	4199239	4370294	4375689	4315074	2.33	cps
Scandium	45-2	363336	361932	361478	362249	0.27	cps
Selenium	82-1	171	139	89	133	30.78	cps
Selenium	77-2	50	37	60	49	23.94	cps
Selenium	78-2	607	617	567	597	4.44	cps
Silicon	28-1	5342519	5387808	5452295	5394207	1.02	cps
Silver	107-1	63	43	57	54	18.71	cps
Silver	109-1	37	47	33	39	17.85	cps
Sodium	23-2	110319	107754	108217	108763	1.26	cps
Strontium	86-1	23632	23889	23395	23639	1.05	cps
Strontium	88-1	196341	195943	195473	195919	0.22	cps
Sulfur	34-1	416649	419047	415188	416961	0.47	cps
Terbium	159-1	7328081	7217935	7306131	7284049	0.80	cps
Terbium	159-2	5819650	5945023	5815631	5860101	1.26	cps
Thallium	203-1	197	223	203	208	6.68	cps
Thallium	205-1	543	523	490	519	5.19	cps
Tin	118-1	1220	1160	1160	1180	2.94	cps
Titanium	47-1	1270	1213	1203	1229	2.93	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 :	Q2639-06DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-40-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:12:55	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18119	17538	17195	17617	2.65	cps
Vanadium	51-2	13529	13236	13650	13472	1.58	cps
Yttrium	89-1	10220441	10394514	10272412	10295789	0.87	cps
Yttrium	89-2	3032971	2984472	3116274	3044572	2.19	cps
Zinc	66-2	28444	28237	28097	28259	0.62	cps
Zirconium	90-1	787	633	700	707	10.88	cps
Zirconium	91-1	143	183	160	162	12.39	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 :	Q2639-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:16:09	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	354444	352848	355767	354353	0.41	cps
Antimony	121-1	103	120	90	104	14.39	cps
Arsenic	75-2	420	507	580	502	15.95	cps
Barium	135-1	3074	3304	2994	3124	5.15	cps
Barium	137-1	5238	5164	5394	5265	2.23	cps
Beryllium	9-1	233	213	257	234	9.25	cps
Bismuth	209-1	4561470	4620597	4580742	4587603	0.66	cps
Bismuth	209-2	4490917	4512437	4326960	4443438	2.28	cps
Bromine	81-1	11138	11368	11298	11268	1.05	cps
Bromine	81-2	253	297	230	260	13.01	cps
Cadmium	108-1	63	60	53	59	8.65	cps
Cadmium	106-1	2314	2257	2030	2200	6.82	cps
Cadmium	111-1	677	690	636	668	4.27	cps
Calcium	43-1	72372	73798	72274	72815	1.17	cps
Calcium	44-1	1335635	1344384	1364924	1348315	1.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16182	16042	16045	16090	0.50	cps
Cobalt	59-2	25198	25582	25682	25487	1.00	cps
Copper	63-2	120269	118848	118116	119078	0.92	cps
Dysprosium	156-1	10431	10444	10808	10561	2.03	cps
Dysprosium	156-2	11271	11308	10764	11114	2.73	cps
Erbium	164-1	10351	10688	10404	10481	1.73	cps
Erbium	164-2	8820	8803	8749	8791	0.42	cps
Gadolinium	160-1	10434	10167	10758	10453	2.83	cps
Gadolinium	160-2	9707	9190	9517	9471	2.76	cps
Holmium	165-1	7071610	7158099	7188905	7139538	0.85	cps
Holmium	165-2	5941918	5952574	5813510	5902667	1.31	cps
Indium	115-1	6492593	6254887	6624536	6457339	2.90	cps
Indium	115-2	2704189	2716064	2665027	2695094	0.99	cps
Iron	56-2	4164070	4104452	4066347	4111623	1.20	cps
Iron	57-2	93975	92244	91587	92602	1.33	cps
Iron	54-2	205137	202978	201637	203251	0.87	cps
Krypton	83-1	570	563	567	567	0.59	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 :	Q2639-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:16:09	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	28854	28493	29429	28925	1.63	cps
Lead	207-1	22736	23120	24008	23288	2.80	cps
Lead	208-1	108991	110976	112113	110693	1.43	cps
Lithium	6-1	639321	642798	641065	641061	0.27	cps
Magnesium	24-2	214125	210039	209977	211381	1.12	cps
Manganese	55-2	760298	745761	740291	748783	1.38	cps
Molybdenum	94-1	347	380	417	381	9.19	cps
Molybdenum	95-1	240	300	323	288	14.94	cps
Molybdenum	96-1	360	400	347	369	7.52	cps
Molybdenum	97-1	200	277	257	244	16.27	cps
Molybdenum	98-1	460	433	403	432	6.56	cps
Neodymium	150-1	16283	15862	16667	16271	2.47	cps
Neodymium	150-2	11421	11558	11508	11496	0.60	cps
Nickel	60-2	7045	6852	6818	6905	1.77	cps
Phosphorus	31-2	4407	3730	3834	3991	9.14	cps
Potassium	39-2	330434	329717	328273	329475	0.33	cps
Rhodium	103-1	6416891	6370554	6599236	6462227	1.87	cps
Rhodium	103-2	4428112	4364775	4357529	4383472	0.89	cps
Scandium	45-1	4311729	4249984	4338202	4299972	1.05	cps
Scandium	45-2	365876	365149	358660	363229	1.09	cps
Selenium	82-1	129	116	72	105	28.42	cps
Selenium	77-2	47	53	80	60	29.40	cps
Selenium	78-2	497	653	597	582	13.62	cps
Silicon	28-1	5499023	5656008	5705909	5620313	1.92	cps
Silver	107-1	67	87	50	68	27.09	cps
Silver	109-1	27	67	23	39	62.01	cps
Sodium	23-2	100056	99177	99298	99510	0.48	cps
Strontium	86-1	21509	21953	22260	21908	1.72	cps
Strontium	88-1	183963	185014	185340	184773	0.39	cps
Sulfur	34-1	426445	428199	436010	430218	1.18	cps
Terbium	159-1	7279242	7373803	7463933	7372326	1.25	cps
Terbium	159-2	5938245	6009504	5892560	5946770	0.99	cps
Thallium	203-1	200	210	230	213	7.16	cps
Thallium	205-1	497	547	507	517	5.12	cps
Tin	118-1	1147	1253	1253	1218	5.06	cps
Titanium	47-1	1553	1687	1753	1665	6.12	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 :	Q2639-08DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-41-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:16:09	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17775	17542	18056	17791	1.45	cps
Vanadium	51-2	15121	14324	14978	14807	2.87	cps
Yttrium	89-1	10345135	10210643	10420417	10325399	1.03	cps
Yttrium	89-2	3041921	3092147	3027461	3053843	1.11	cps
Zinc	66-2	26781	25913	26337	26343	1.65	cps
Zirconium	90-1	547	617	723	629	14.15	cps
Zirconium	91-1	163	143	137	148	9.39	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 :	Q2639-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	257034	256835	257684	257184	0.17	cps
Antimony	121-1	93	63	77	78	19.33	cps
Arsenic	75-2	443	420	447	437	3.33	cps
Barium	135-1	3941	4077	4054	4024	1.82	cps
Barium	137-1	6808	7152	7182	7047	2.94	cps
Beryllium	9-1	277	220	247	248	11.44	cps
Bismuth	209-1	4477223	4463487	4454226	4464979	0.26	cps
Bismuth	209-2	4428148	4350353	4395057	4391186	0.89	cps
Bromine	81-1	11341	11812	11418	11523	2.19	cps
Bromine	81-2	263	317	220	267	18.16	cps
Cadmium	108-1	43	37	40	40	8.32	cps
Cadmium	106-1	2217	2057	2114	2129	3.81	cps
Cadmium	111-1	668	670	620	653	4.34	cps
Calcium	43-1	148469	151939	150112	150173	1.16	cps
Calcium	44-1	2668249	2662697	2721308	2684085	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4898	4961	4637	4832	3.55	cps
Cobalt	59-2	27833	28250	27803	27962	0.89	cps
Copper	63-2	15288	15885	15051	15408	2.79	cps
Dysprosium	156-1	3737	3711	3764	3737	0.71	cps
Dysprosium	156-2	4237	4391	4461	4363	2.62	cps
Erbium	164-1	3871	4057	3871	3933	2.74	cps
Erbium	164-2	3304	3460	3444	3403	2.53	cps
Gadolinium	160-1	3667	3831	3684	3727	2.41	cps
Gadolinium	160-2	3550	3320	3317	3396	3.94	cps
Holmium	165-1	7102988	7186846	7114140	7134658	0.64	cps
Holmium	165-2	5870565	5893269	5853561	5872465	0.34	cps
Indium	115-1	6305636	6322193	6335672	6321167	0.24	cps
Indium	115-2	2725875	2697894	2682228	2701999	0.82	cps
Iron	56-2	622858	616248	617105	618737	0.58	cps
Iron	57-2	19569	19570	19546	19562	0.07	cps
Iron	54-2	35619	35007	35478	35368	0.91	cps
Krypton	83-1	500	540	487	509	5.45	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 :	Q2639-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6942	7122	6989	7017	1.33	cps
Lead	207-1	6252	6322	6101	6225	1.81	cps
Lead	208-1	27978	27781	28105	27955	0.58	cps
Lithium	6-1	628574	631036	628262	629291	0.24	cps
Magnesium	24-2	395293	393570	391038	393300	0.54	cps
Manganese	55-2	1168370	1148783	1160008	1159054	0.85	cps
Molybdenum	94-1	403	417	370	397	6.06	cps
Molybdenum	95-1	263	280	283	276	3.89	cps
Molybdenum	96-1	327	377	357	353	7.12	cps
Molybdenum	97-1	170	190	227	196	14.70	cps
Molybdenum	98-1	353	413	317	361	13.51	cps
Neodymium	150-1	5735	5574	5518	5609	2.00	cps
Neodymium	150-2	3787	4017	3974	3926	3.11	cps
Nickel	60-2	5848	6025	5811	5895	1.94	cps
Phosphorus	31-2	1780	1937	1960	1892	5.17	cps
Potassium	39-2	658855	658755	656749	658119	0.18	cps
Rhodium	103-1	6456823	6538162	6521125	6505370	0.66	cps
Rhodium	103-2	4374232	4387004	4368424	4376553	0.22	cps
Scandium	45-1	4266016	4198720	4265637	4243458	0.91	cps
Scandium	45-2	366823	362886	361859	363856	0.72	cps
Selenium	82-1	188	124	173	161	20.53	cps
Selenium	77-2	3	37	17	19	88.83	cps
Selenium	78-2	520	530	617	556	9.57	cps
Silicon	28-1	4326181	4327727	4415278	4356395	1.17	cps
Silver	107-1	37	37	43	39	9.89	cps
Silver	109-1	53	43	67	54	21.51	cps
Sodium	23-2	210080	213060	210708	211282	0.74	cps
Strontium	86-1	56066	55789	56160	56005	0.34	cps
Strontium	88-1	476962	479573	477994	478176	0.27	cps
Sulfur	34-1	415599	416211	419572	417127	0.51	cps
Terbium	159-1	7264089	7228807	7415751	7302882	1.36	cps
Terbium	159-2	5989638	5762079	5735848	5829188	2.39	cps
Thallium	203-1	230	217	230	226	3.41	cps
Thallium	205-1	450	600	527	526	14.27	cps
Tin	118-1	1087	1213	1227	1176	6.57	cps
Titanium	47-1	347	337	323	336	3.49	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 :	Q2639-10DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-42-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:19:23	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1440	1390	1347	1392	3.35	cps
Vanadium	51-2	4441	4344	4367	4384	1.15	cps
Yttrium	89-1	10036130	10028012	10076103	10046749	0.26	cps
Yttrium	89-2	3036606	3072699	3031536	3046947	0.74	cps
Zinc	66-2	31527	32001	32362	31963	1.31	cps
Zirconium	90-1	670	857	743	757	12.43	cps
Zirconium	91-1	163	153	133	150	10.18	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 :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:22:41	DataFile Name :	044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10249342	10047551	9882719	10059871	1.83	cps
Antimony	121-1	3182863	3207838	3243741	3211481	0.95	cps
Arsenic	75-2	195714	193995	192157	193955	0.92	cps
Barium	135-1	3920066	3949841	3971804	3947237	0.66	cps
Barium	137-1	6639670	6787217	6755287	6727391	1.15	cps
Beryllium	9-1	398763	410657	409924	406448	1.64	cps
Bismuth	209-1	4488919	4488857	4509627	4495801	0.27	cps
Bismuth	209-2	4279821	4245440	4296741	4274001	0.61	cps
Bromine	81-1	10914	10507	10971	10797	2.34	cps
Bromine	81-2	123	140	170	144	16.37	cps
Cadmium	108-1	55961	57246	58089	57099	1.88	cps
Cadmium	106-1	80881	82177	83374	82144	1.52	cps
Cadmium	111-1	738442	743455	750707	744201	0.83	cps
Calcium	43-1	5253950	5317316	5375117	5315461	1.14	cps
Calcium	44-1	83410927	85564585	85231392	84735635	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1821614	1814533	1788091	1808079	0.98	cps
Cobalt	59-2	2803790	2803790	2813203	2806927	0.19	cps
Copper	63-2	20811608	20674133	20826907	20770883	0.41	cps
Dysprosium	156-1	170	210	210	197	11.74	cps
Dysprosium	156-2	310	313	363	329	9.08	cps
Erbium	164-1	303	363	373	347	10.92	cps
Erbium	164-2	263	357	297	306	15.48	cps
Gadolinium	160-1	187	197	173	186	6.31	cps
Gadolinium	160-2	557	503	440	500	11.68	cps
Holmium	165-1	7434398	7415793	7463984	7438058	0.33	cps
Holmium	165-2	6105269	5899064	5890162	5964832	2.04	cps
Indium	115-1	6394025	6320621	6333458	6349368	0.62	cps
Indium	115-2	2640255	2597857	2575040	2604384	1.27	cps
Iron	56-2	447839727	439118540	440854193	442604153	1.04	cps
Iron	57-2	10901063	11074107	10747171	10907447	1.50	cps
Iron	54-2	24413335	24221500	23917514	24184117	1.03	cps
Krypton	83-1	527	613	490	543	11.66	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 :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:22:41	DataFile Name :	044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11557194	11807089	11731972	11698752	1.10	cps
Lead	207-1	10279125	10362720	10469276	10370374	0.92	cps
Lead	208-1	46666050	47558446	47413999	47212831	1.01	cps
Lithium	6-1	670616	674612	681749	675659	0.83	cps
Magnesium	24-2	91163232	89865399	91379029	90802553	0.90	cps
Manganese	55-2	14281989	13934330	13863538	14026619	1.60	cps
Molybdenum	94-1	12247130	12454640	12683258	12461676	1.75	cps
Molybdenum	95-1	17604564	18043603	17973471	17873879	1.32	cps
Molybdenum	96-1	19006261	19578564	19271496	19285440	1.49	cps
Molybdenum	97-1	10786180	10992594	11018442	10932405	1.16	cps
Molybdenum	98-1	27952409	28143537	28461717	28185888	0.91	cps
Neodymium	150-1	180	210	160	183	13.73	cps
Neodymium	150-2	67	103	83	84	21.74	cps
Nickel	60-2	625159	624242	620605	623336	0.39	cps
Phosphorus	31-2	97452	94815	95691	95986	1.40	cps
Potassium	39-2	51254956	50020421	50205763	50493713	1.32	cps
Rhodium	103-1	6369046	6315358	6473526	6385976	1.26	cps
Rhodium	103-2	4172324	4085564	4105425	4121104	1.10	cps
Scandium	45-1	4447735	4415769	4407165	4423556	0.48	cps
Scandium	45-2	370905	371343	366008	369419	0.80	cps
Selenium	82-1	59046	60078	60375	59833	1.17	cps
Selenium	77-2	7112	7382	7062	7185	2.40	cps
Selenium	78-2	24036	23305	23562	23635	1.57	cps
Silicon	28-1	29413270	29957751	30384718	29918580	1.63	cps
Silver	107-1	4487224	4528865	4517515	4511201	0.48	cps
Silver	109-1	4213163	4322121	4271523	4268935	1.28	cps
Sodium	23-2	136656381	138044835	133841481	136180899	1.57	cps
Strontium	86-1	958058	987619	978679	974785	1.56	cps
Strontium	88-1	9818156	9800794	9903356	9840768	0.56	cps
Sulfur	34-1	464858	459042	454772	459557	1.10	cps
Terbium	159-1	7566398	7681933	7707902	7652078	0.98	cps
Terbium	159-2	6087935	6013560	5998913	6033469	0.79	cps
Thallium	203-1	2868910	2906245	2938292	2904482	1.20	cps
Thallium	205-1	6849603	7063365	7029418	6980795	1.65	cps
Tin	118-1	2759634	2722292	2775520	2752482	0.99	cps
Titanium	47-1	5136594	5192969	5163103	5164222	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 :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:22:41	DataFile Name :	044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9011256	9198014	9083645	9097638	1.04	cps
Vanadium	51-2	1578698	1539048	1526660	1548135	1.76	cps
Yttrium	89-1	10213822	10347369	10303385	10288192	0.66	cps
Yttrium	89-2	3002356	2982826	2943212	2976131	1.01	cps
Zinc	66-2	3765749	3678009	3693871	3712543	1.26	cps
Zirconium	90-1	6145454	6246653	6191738	6194615	0.82	cps
Zirconium	91-1	1162546	1182334	1186823	1177234	1.10	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 :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:26:41	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	280	313	283	292	6.28	cps
Antimony	121-1	507	467	443	472	6.78	cps
Arsenic	75-2	33	7	7	16	98.94	cps
Barium	135-1	43	40	60	48	22.43	cps
Barium	137-1	80	57	87	74	21.16	cps
Beryllium	9-1	17	7	0	8	107.84	cps
Bismuth	209-1	4488545	4478763	4458638	4475315	0.34	cps
Bismuth	209-2	4397659	4357450	4364360	4373156	0.49	cps
Bromine	81-1	10107	9903	9800	9937	1.57	cps
Bromine	81-2	180	203	183	189	6.68	cps
Cadmium	108-1	17	17	10	14	26.66	cps
Cadmium	106-1	1977	2010	1923	1970	2.22	cps
Cadmium	111-1	219	199	205	208	4.93	cps
Calcium	43-1	293	247	247	262	10.28	cps
Calcium	44-1	29632	28801	28924	29119	1.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2270	2114	2067	2150	4.95	cps
Cobalt	59-2	83	63	80	76	14.18	cps
Copper	63-2	1790	1677	1713	1727	3.35	cps
Dysprosium	156-1	7	0	10	6	91.64	cps
Dysprosium	156-2	0	10	3	4	114.60	cps
Erbium	164-1	37	43	80	53	43.75	cps
Erbium	164-2	40	27	13	27	50.01	cps
Gadolinium	160-1	37	43	43	41	9.35	cps
Gadolinium	160-2	313	353	323	330	6.31	cps
Holmium	165-1	6961426	7054854	7047896	7021392	0.74	cps
Holmium	165-2	5794599	5762764	5629323	5728895	1.53	cps
Indium	115-1	6271541	6072289	6139191	6161007	1.65	cps
Indium	115-2	2643082	2583349	2529978	2585470	2.19	cps
Iron	56-2	24393	23652	24243	24096	1.63	cps
Iron	57-2	1530	1443	1380	1451	5.19	cps
Iron	54-2	2727	2894	2790	2804	3.00	cps
Krypton	83-1	463	507	537	502	7.34	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 :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:26:41	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	690	580	657	642	8.78	cps
Lead	207-1	640	583	587	603	5.27	cps
Lead	208-1	2737	2560	2687	2661	3.42	cps
Lithium	6-1	658969	670803	659227	663000	1.02	cps
Magnesium	24-2	837	603	763	734	16.25	cps
Manganese	55-2	5614	5354	5494	5488	2.37	cps
Molybdenum	94-1	523	563	543	543	3.68	cps
Molybdenum	95-1	500	477	527	501	4.99	cps
Molybdenum	96-1	563	613	630	602	5.76	cps
Molybdenum	97-1	330	353	367	350	5.30	cps
Molybdenum	98-1	890	737	667	764	14.94	cps
Neodymium	150-1	0	0	3	1	173.21	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	480	483	507	490	2.97	cps
Phosphorus	31-2	360	453	417	410	11.47	cps
Potassium	39-2	73188	72023	71835	72349	1.01	cps
Rhodium	103-1	6286479	6140276	6193876	6206877	1.19	cps
Rhodium	103-2	4306420	4188992	4256943	4250785	1.39	cps
Scandium	45-1	4131313	4134508	4056478	4107433	1.08	cps
Scandium	45-2	349970	348865	347593	348809	0.34	cps
Selenium	82-1	143	112	92	115	22.30	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	560	443	520	508	11.68	cps
Silicon	28-1	679085	640788	646461	655445	3.15	cps
Silver	107-1	190	153	180	174	10.86	cps
Silver	109-1	133	167	123	141	16.08	cps
Sodium	23-2	37165	37155	36289	36870	1.36	cps
Strontium	86-1	813	743	867	808	7.66	cps
Strontium	88-1	150	140	137	142	4.88	cps
Sulfur	34-1	179763	180769	178523	179685	0.63	cps
Terbium	159-1	7210180	7274679	7215532	7233464	0.49	cps
Terbium	159-2	5719099	5736693	5681563	5712452	0.49	cps
Thallium	203-1	367	303	277	316	14.65	cps
Thallium	205-1	713	713	693	707	1.63	cps
Tin	118-1	1213	1190	1273	1226	3.51	cps
Titanium	47-1	100	137	110	116	16.40	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 :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 13:26:41	DataFile Name :	045CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	93	57	68	32.74	cps
Vanadium	51-2	20	13	10	14	35.26	cps
Yttrium	89-1	9598145	9710009	9763317	9690490	0.87	cps
Yttrium	89-2	2889970	2855165	2816219	2853785	1.29	cps
Zinc	66-2	657	627	533	606	10.62	cps
Zirconium	90-1	723	760	780	754	3.81	cps
Zirconium	91-1	150	167	130	149	12.33	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 :	Q2639-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:30:43	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	314528	311907	312575	313004	0.44	cps
Antimony	121-1	120	210	197	176	27.67	cps
Arsenic	75-2	643	563	610	606	6.64	cps
Barium	135-1	4324	4234	4504	4354	3.16	cps
Barium	137-1	7669	7559	7649	7625	0.77	cps
Beryllium	9-1	283	260	253	266	5.93	cps
Bismuth	209-1	4691566	4454663	4458846	4535025	2.99	cps
Bismuth	209-2	4501864	4475288	4410999	4462717	1.05	cps
Bromine	81-1	10370	9857	10300	10176	2.74	cps
Bromine	81-2	253	220	247	240	7.35	cps
Cadmium	108-1	43	73	43	53	32.48	cps
Cadmium	106-1	2147	2110	2260	2172	3.60	cps
Cadmium	111-1	604	543	659	602	9.64	cps
Calcium	43-1	137564	136797	136593	136985	0.37	cps
Calcium	44-1	2465696	2420350	2520633	2468893	2.03	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5568	5391	5348	5435	2.15	cps
Cobalt	59-2	25632	26533	25385	25850	2.34	cps
Copper	63-2	20294	20357	20711	20454	1.10	cps
Dysprosium	156-1	4711	4574	4931	4739	3.80	cps
Dysprosium	156-2	5458	5524	5444	5476	0.78	cps
Erbium	164-1	5011	5371	4964	5115	4.35	cps
Erbium	164-2	4267	4271	4317	4285	0.65	cps
Gadolinium	160-1	4798	4924	4858	4860	1.30	cps
Gadolinium	160-2	4671	4624	4741	4679	1.26	cps
Holmium	165-1	7028433	7038746	7121231	7062803	0.72	cps
Holmium	165-2	5963592	5895690	5983018	5947433	0.77	cps
Indium	115-1	6254630	6174085	6316924	6248546	1.15	cps
Indium	115-2	2645383	2661087	2590389	2632286	1.41	cps
Iron	56-2	1021760	1022689	1019195	1021215	0.18	cps
Iron	57-2	29108	29018	28824	28984	0.50	cps
Iron	54-2	58008	57971	57988	57989	0.03	cps
Krypton	83-1	520	520	580	540	6.41	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 :	Q2639-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:30:43	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7415	7562	7425	7468	1.10	cps
Lead	207-1	6201	6322	6195	6239	1.14	cps
Lead	208-1	29079	29202	29239	29174	0.29	cps
Lithium	6-1	678179	669650	673370	673733	0.63	cps
Magnesium	24-2	358420	353380	350071	353957	1.19	cps
Manganese	55-2	1016157	1005230	1006840	1009409	0.58	cps
Molybdenum	94-1	577	530	597	568	6.03	cps
Molybdenum	95-1	310	303	323	312	3.26	cps
Molybdenum	96-1	460	410	393	421	8.24	cps
Molybdenum	97-1	267	260	213	247	11.78	cps
Molybdenum	98-1	603	510	533	549	8.85	cps
Neodymium	150-1	7072	6902	6978	6984	1.22	cps
Neodymium	150-2	5191	5028	4828	5015	3.63	cps
Nickel	60-2	6225	6265	6151	6214	0.93	cps
Phosphorus	31-2	2780	2704	2817	2767	2.09	cps
Potassium	39-2	567292	570291	569521	569035	0.27	cps
Rhodium	103-1	6387959	6314463	6313954	6338792	0.67	cps
Rhodium	103-2	4339615	4259259	4340229	4313035	1.08	cps
Scandium	45-1	4217920	4106592	4203303	4175938	1.45	cps
Scandium	45-2	356664	355785	356310	356253	0.12	cps
Selenium	82-1	113	134	39	95	52.80	cps
Selenium	77-2	27	23	17	22	22.91	cps
Selenium	78-2	573	520	533	542	5.12	cps
Silicon	28-1	4336153	4304943	4407506	4349534	1.21	cps
Silver	107-1	113	103	110	109	4.67	cps
Silver	109-1	73	70	107	83	24.33	cps
Sodium	23-2	203302	203833	203653	203596	0.13	cps
Strontium	86-1	49028	49801	49530	49453	0.79	cps
Strontium	88-1	417686	418637	419579	418634	0.23	cps
Sulfur	34-1	440566	444222	442474	442420	0.41	cps
Terbium	159-1	7314674	7423055	7451014	7396248	0.97	cps
Terbium	159-2	5924050	5820870	5805811	5850243	1.10	cps
Thallium	203-1	373	300	307	327	12.41	cps
Thallium	205-1	720	703	720	714	1.35	cps
Tin	118-1	1307	1237	1150	1231	6.38	cps
Titanium	47-1	427	497	387	437	12.75	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 :	Q2639-12DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-43-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:30:43	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2610	2554	2310	2491	6.40	cps
Vanadium	51-2	6882	6905	6882	6889	0.20	cps
Yttrium	89-1	10037598	9804169	9927380	9923049	1.18	cps
Yttrium	89-2	2952732	3017060	2909972	2959922	1.82	cps
Zinc	66-2	88920	89621	87464	88668	1.24	cps
Zirconium	90-1	970	1117	1117	1068	7.93	cps
Zirconium	91-1	197	250	223	223	11.94	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 :	Q2639-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:34:00	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	261858	261085	257702	260215	0.85	cps
Antimony	121-1	113	123	140	126	10.73	cps
Arsenic	75-2	470	577	510	519	10.39	cps
Barium	135-1	3691	3977	3741	3803	4.03	cps
Barium	137-1	6772	6645	6765	6727	1.06	cps
Beryllium	9-1	197	230	177	201	13.40	cps
Bismuth	209-1	4532687	4615810	4661347	4603281	1.42	cps
Bismuth	209-2	4505569	4454080	4366774	4442141	1.58	cps
Bromine	81-1	10684	10304	10687	10558	2.09	cps
Bromine	81-2	233	297	263	264	11.98	cps
Cadmium	108-1	17	37	37	30	38.49	cps
Cadmium	106-1	2300	2044	2030	2125	7.16	cps
Cadmium	111-1	542	535	467	515	8.00	cps
Calcium	43-1	132490	131928	134729	133049	1.11	cps
Calcium	44-1	2354701	2361955	2415730	2377462	1.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5111	4888	4711	4903	4.09	cps
Cobalt	59-2	19553	19156	19449	19386	1.06	cps
Copper	63-2	17290	17761	17567	17539	1.35	cps
Dysprosium	156-1	4324	4151	4161	4212	2.31	cps
Dysprosium	156-2	4587	4381	4644	4537	3.06	cps
Erbium	164-1	4417	4521	4607	4515	2.11	cps
Erbium	164-2	3704	3814	3781	3766	1.50	cps
Gadolinium	160-1	4091	4164	4244	4166	1.84	cps
Gadolinium	160-2	3844	3724	3891	3819	2.25	cps
Holmium	165-1	7100472	7061602	7080608	7080894	0.27	cps
Holmium	165-2	5863607	5856077	5764346	5828010	0.95	cps
Indium	115-1	6239588	6309990	6286593	6278724	0.57	cps
Indium	115-2	2643251	2683763	2684034	2670349	0.88	cps
Iron	56-2	1179027	1177575	1165799	1174134	0.62	cps
Iron	57-2	32726	32462	32853	32680	0.61	cps
Iron	54-2	65308	67578	65696	66194	1.83	cps
Krypton	83-1	593	517	417	509	17.41	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 :	Q2639-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:34:00	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6742	7059	6745	6848	2.66	cps
Lead	207-1	5575	5374	5671	5540	2.73	cps
Lead	208-1	26003	25860	26611	26158	1.52	cps
Lithium	6-1	672126	687202	681393	680240	1.12	cps
Magnesium	24-2	520135	520863	516563	519187	0.44	cps
Manganese	55-2	748851	757649	752914	753138	0.58	cps
Molybdenum	94-1	487	450	503	480	5.68	cps
Molybdenum	95-1	300	273	313	296	6.89	cps
Molybdenum	96-1	370	347	427	381	10.80	cps
Molybdenum	97-1	233	210	203	216	7.31	cps
Molybdenum	98-1	377	390	403	390	3.42	cps
Neodymium	150-1	6048	6041	6008	6032	0.36	cps
Neodymium	150-2	4514	4401	4217	4377	3.42	cps
Nickel	60-2	4784	4727	4794	4769	0.75	cps
Phosphorus	31-2	2380	2374	2404	2386	0.66	cps
Potassium	39-2	462700	460616	458173	460496	0.49	cps
Rhodium	103-1	6384222	6264758	6437226	6362068	1.39	cps
Rhodium	103-2	4318509	4233450	4172938	4241632	1.72	cps
Scandium	45-1	4103958	4193577	4267880	4188472	1.96	cps
Scandium	45-2	361486	358358	355517	358454	0.83	cps
Selenium	82-1	87	111	214	137	49.35	cps
Selenium	77-2	13	23	30	22	37.76	cps
Selenium	78-2	540	520	507	522	3.21	cps
Silicon	28-1	3864547	3864667	3869973	3866396	0.08	cps
Silver	107-1	93	47	90	77	33.96	cps
Silver	109-1	63	53	47	54	15.40	cps
Sodium	23-2	167784	168135	167525	167815	0.18	cps
Strontium	86-1	41121	40800	40579	40833	0.67	cps
Strontium	88-1	345933	346245	348550	346910	0.41	cps
Sulfur	34-1	440909	439355	440907	440390	0.20	cps
Terbium	159-1	7383943	7346933	7235041	7321972	1.06	cps
Terbium	159-2	5871906	5838915	5823104	5844642	0.43	cps
Thallium	203-1	340	243	230	271	22.14	cps
Thallium	205-1	640	530	607	592	9.52	cps
Tin	118-1	1120	1237	1097	1151	6.52	cps
Titanium	47-1	477	453	437	456	4.41	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 :	Q2639-14DLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:34:00	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2497	2254	2477	2409	5.61	cps
Vanadium	51-2	6725	6331	6251	6436	3.94	cps
Yttrium	89-1	9822721	10233597	9978568	10011629	2.07	cps
Yttrium	89-2	2931458	2978457	2916297	2942071	1.10	cps
Zinc	66-2	26744	26681	26868	26764	0.36	cps
Zirconium	90-1	870	933	760	854	10.26	cps
Zirconium	91-1	227	233	197	219	8.92	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 :	Q2639-14DUPDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:37:19	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	254549	256323	254652	255175	0.39	cps
Antimony	121-1	87	70	90	82	13.03	cps
Arsenic	75-2	497	520	550	522	5.12	cps
Barium	135-1	3984	4101	4034	4040	1.45	cps
Barium	137-1	6788	7022	6668	6826	2.63	cps
Beryllium	9-1	163	213	200	192	13.47	cps
Bismuth	209-1	4589504	4553353	4612189	4585015	0.65	cps
Bismuth	209-2	4511750	4472353	4417763	4467289	1.06	cps
Bromine	81-1	10937	10454	10734	10708	2.27	cps
Bromine	81-2	250	257	267	258	3.25	cps
Cadmium	108-1	53	47	20	40	44.09	cps
Cadmium	106-1	2247	2097	2187	2177	3.47	cps
Cadmium	111-1	527	534	528	530	0.65	cps
Calcium	43-1	131710	131804	132954	132156	0.52	cps
Calcium	44-1	2392523	2369384	2460428	2407445	1.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5014	5134	4944	5031	1.91	cps
Cobalt	59-2	19603	19643	19690	19645	0.22	cps
Copper	63-2	17006	17550	17507	17355	1.74	cps
Dysprosium	156-1	4271	4287	4267	4275	0.25	cps
Dysprosium	156-2	4541	4481	4718	4580	2.69	cps
Erbium	164-1	4551	4514	4557	4541	0.51	cps
Erbium	164-2	3507	3654	3604	3588	2.08	cps
Gadolinium	160-1	4214	4137	3874	4075	4.38	cps
Gadolinium	160-2	4011	3887	3537	3812	6.44	cps
Holmium	165-1	7164886	7292913	7283705	7247168	0.99	cps
Holmium	165-2	5900704	5769417	5793837	5821319	1.20	cps
Indium	115-1	6417552	6479717	6419581	6438950	0.55	cps
Indium	115-2	2633783	2617332	2676175	2642430	1.15	cps
Iron	56-2	1172021	1164924	1163902	1166949	0.38	cps
Iron	57-2	32582	32846	32412	32613	0.67	cps
Iron	54-2	65348	65777	66255	65793	0.69	cps
Krypton	83-1	557	510	420	496	14.02	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 :	Q2639-14DUPDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:37:19	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6602	6898	6962	6821	2.82	cps
Lead	207-1	5675	5718	5358	5583	3.52	cps
Lead	208-1	26073	26270	26037	26127	0.48	cps
Lithium	6-1	674517	689339	682857	682238	1.09	cps
Magnesium	24-2	509301	504403	511850	508518	0.74	cps
Manganese	55-2	753006	750423	751713	751714	0.17	cps
Molybdenum	94-1	447	437	433	439	1.58	cps
Molybdenum	95-1	290	263	217	257	14.46	cps
Molybdenum	96-1	323	377	343	348	7.75	cps
Molybdenum	97-1	223	220	213	219	2.33	cps
Molybdenum	98-1	383	373	413	390	5.34	cps
Neodymium	150-1	6158	6255	6251	6221	0.88	cps
Neodymium	150-2	4011	4044	4194	4083	2.39	cps
Nickel	60-2	4701	4894	4824	4806	2.04	cps
Phosphorus	31-2	2464	2400	2517	2460	2.37	cps
Potassium	39-2	455097	458851	455927	456625	0.43	cps
Rhodium	103-1	6428523	6441506	6571971	6480667	1.22	cps
Rhodium	103-2	4317860	4284822	4334247	4312309	0.58	cps
Scandium	45-1	4206330	4275741	4290302	4257458	1.05	cps
Scandium	45-2	358984	360226	355837	358349	0.63	cps
Selenium	82-1	88	99	179	122	40.82	cps
Selenium	77-2	10	13	17	13	25.01	cps
Selenium	78-2	550	533	453	512	10.09	cps
Silicon	28-1	3870853	3860534	3922741	3884709	0.86	cps
Silver	107-1	57	73	53	61	17.53	cps
Silver	109-1	63	67	50	60	14.70	cps
Sodium	23-2	164704	169159	164421	166095	1.60	cps
Strontium	86-1	40309	40740	40161	40403	0.74	cps
Strontium	88-1	342530	344813	343204	343515	0.34	cps
Sulfur	34-1	435435	444007	438977	439473	0.98	cps
Terbium	159-1	7548805	7352153	7402532	7434496	1.37	cps
Terbium	159-2	5997712	5919243	5799220	5905391	1.69	cps
Thallium	203-1	217	237	240	231	5.46	cps
Thallium	205-1	570	600	560	577	3.61	cps
Tin	118-1	1200	1103	1077	1127	5.76	cps
Titanium	47-1	373	407	387	389	4.31	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 :	Q2639-14DUPDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725DUPI	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:37:19	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2290	2390	2250	2310	3.12	cps
Vanadium	51-2	6255	6578	6155	6329	3.50	cps
Yttrium	89-1	9949159	10117754	10075418	10047444	0.87	cps
Yttrium	89-2	2995835	2992754	2993650	2994080	0.05	cps
Zinc	66-2	26570	27602	27248	27140	1.93	cps
Zirconium	90-1	820	810	867	832	3.63	cps
Zirconium	91-1	173	147	193	171	13.68	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 :	Q2639-14LDLX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-24 13:40:36	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	51677	51921	50988	51529	0.94	cps
Antimony	121-1	90	43	73	69	34.33	cps
Arsenic	75-2	110	107	173	130	28.90	cps
Barium	135-1	847	657	813	772	13.14	cps
Barium	137-1	1377	1333	1500	1403	6.16	cps
Beryllium	9-1	53	40	47	47	14.28	cps
Bismuth	209-1	4554623	4631731	4528046	4571467	1.18	cps
Bismuth	209-2	4432644	4430521	4294452	4385872	1.81	cps
Bromine	81-1	10210	10214	10751	10392	2.99	cps
Bromine	81-2	187	273	213	224	19.78	cps
Cadmium	108-1	7	10	17	11	45.82	cps
Cadmium	106-1	2150	2003	2003	2052	4.13	cps
Cadmium	111-1	284	300	272	285	4.93	cps
Calcium	43-1	26987	26840	27238	27022	0.74	cps
Calcium	44-1	453934	455247	455743	454975	0.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2854	2544	2784	2727	5.96	cps
Cobalt	59-2	4057	3897	3771	3908	3.68	cps
Copper	63-2	4611	4684	4604	4633	0.96	cps
Dysprosium	156-1	863	827	850	847	2.19	cps
Dysprosium	156-2	843	940	877	887	5.54	cps
Erbium	164-1	900	853	810	854	5.27	cps
Erbium	164-2	690	743	697	710	4.09	cps
Gadolinium	160-1	933	827	927	896	6.67	cps
Gadolinium	160-2	997	1097	960	1018	6.95	cps
Holmium	165-1	7065415	7058419	7165343	7096392	0.84	cps
Holmium	165-2	5820925	5776756	5606485	5734722	1.97	cps
Indium	115-1	6280334	6356174	6265199	6300569	0.77	cps
Indium	115-2	2616471	2630514	2570272	2605752	1.21	cps
Iron	56-2	252394	251322	251133	251616	0.27	cps
Iron	57-2	7772	7885	7529	7729	2.36	cps
Iron	54-2	15508	15184	15081	15258	1.46	cps
Krypton	83-1	510	513	513	512	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 :	Q2639-14LDLX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-24 13:40:36	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1750	1740	1723	1738	0.78	cps
Lead	207-1	1573	1537	1537	1549	1.37	cps
Lead	208-1	7184	6987	6911	7027	2.01	cps
Lithium	6-1	662389	666399	663765	664185	0.31	cps
Magnesium	24-2	103362	103123	101638	102707	0.91	cps
Manganese	55-2	155438	158412	155773	156541	1.04	cps
Molybdenum	94-1	333	357	277	322	12.77	cps
Molybdenum	95-1	237	200	300	246	20.60	cps
Molybdenum	96-1	260	260	357	292	19.10	cps
Molybdenum	97-1	207	207	193	202	3.81	cps
Molybdenum	98-1	337	407	340	361	10.94	cps
Neodymium	150-1	1260	1203	1253	1239	2.50	cps
Neodymium	150-2	910	820	900	877	5.63	cps
Nickel	60-2	1340	1260	1417	1339	5.85	cps
Phosphorus	31-2	877	800	830	836	4.62	cps
Potassium	39-2	149425	148634	147285	148448	0.73	cps
Rhodium	103-1	6432032	6340201	6382380	6384871	0.72	cps
Rhodium	103-2	4281962	4248223	4208502	4246229	0.87	cps
Scandium	45-1	4233195	4237946	4163195	4211445	0.99	cps
Scandium	45-2	356258	353771	351143	353724	0.72	cps
Selenium	82-1	112	105	100	106	5.69	cps
Selenium	77-2	7	3	13	8	65.47	cps
Selenium	78-2	547	493	587	542	8.64	cps
Silicon	28-1	1524369	1596405	1543934	1554903	2.40	cps
Silver	107-1	50	73	50	58	23.31	cps
Silver	109-1	70	37	30	46	47.04	cps
Sodium	23-2	56854	56838	56192	56628	0.67	cps
Strontium	86-1	8623	8719	8549	8630	0.99	cps
Strontium	88-1	70002	69678	68847	69509	0.86	cps
Sulfur	34-1	229643	230286	232289	230739	0.60	cps
Terbium	159-1	7326466	7300385	7307558	7311469	0.18	cps
Terbium	159-2	5902700	5813209	5648347	5788085	2.23	cps
Thallium	203-1	193	150	230	191	20.95	cps
Thallium	205-1	343	420	437	400	12.44	cps
Tin	118-1	1190	1210	1057	1152	7.23	cps
Titanium	47-1	140	200	127	156	25.11	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 :	Q2639-14LDLX250	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725LDL	Dilution Factor :	250
Date & Time Acquired :	2025-07-24 13:40:36	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	500	497	470	489	3.36	cps
Vanadium	51-2	1220	1247	1117	1195	5.75	cps
Yttrium	89-1	9949094	9972227	10072174	9997832	0.65	cps
Yttrium	89-2	2939789	2921335	2908407	2923177	0.54	cps
Zinc	66-2	5681	5714	5664	5687	0.45	cps
Zirconium	90-1	513	553	537	534	3.76	cps
Zirconium	91-1	120	120	110	117	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 :	Q2639-14MSDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:43:57	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	269117	268073	267371	268187	0.33	cps
Antimony	121-1	52218	52967	52318	52501	0.78	cps
Arsenic	75-2	4431	4417	4531	4460	1.39	cps
Barium	135-1	58881	59367	60458	59569	1.36	cps
Barium	137-1	103789	105723	104316	104609	0.96	cps
Beryllium	9-1	7939	8222	8399	8187	2.84	cps
Bismuth	209-1	4485777	4581075	4532396	4533082	1.05	cps
Bismuth	209-2	4451853	4550689	4437909	4480151	1.37	cps
Bromine	81-1	10631	10804	10167	10534	3.13	cps
Bromine	81-2	237	243	270	250	7.05	cps
Cadmium	108-1	1140	1070	1033	1081	5.01	cps
Cadmium	106-1	3570	3604	3934	3703	5.43	cps
Cadmium	111-1	14570	15053	14478	14700	2.10	cps
Calcium	43-1	136393	141812	137308	138505	2.09	cps
Calcium	44-1	2461928	2495495	2492577	2483333	0.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	34089	35101	35432	34874	2.01	cps
Cobalt	59-2	66213	66520	66647	66460	0.34	cps
Copper	63-2	366798	367689	366532	367006	0.17	cps
Dysprosium	156-1	3741	3937	3924	3867	2.84	cps
Dysprosium	156-2	4397	4347	4234	4326	1.93	cps
Erbium	164-1	4104	4241	4047	4131	2.41	cps
Erbium	164-2	3440	3524	3330	3432	2.83	cps
Gadolinium	160-1	3751	3897	3907	3852	2.28	cps
Gadolinium	160-2	3527	3510	3537	3525	0.38	cps
Holmium	165-1	6949855	7024201	7178706	7050921	1.66	cps
Holmium	165-2	5939897	5915306	5883928	5913044	0.47	cps
Indium	115-1	6285295	6270665	6502569	6352843	2.04	cps
Indium	115-2	2737984	2656996	2684349	2693110	1.53	cps
Iron	56-2	2733638	2690274	2693064	2705659	0.90	cps
Iron	57-2	63343	64270	64438	64017	0.92	cps
Iron	54-2	133829	136072	136042	135314	0.95	cps
Krypton	83-1	560	563	513	546	5.12	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 :	Q2639-14MSDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:43:57	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	189325	190810	195683	191939	1.73	cps
Lead	207-1	168325	170578	169352	169418	0.67	cps
Lead	208-1	763453	780730	771650	771944	1.12	cps
Lithium	6-1	645866	649224	656735	650608	0.86	cps
Magnesium	24-2	764757	761623	761241	762541	0.25	cps
Manganese	55-2	925860	938735	933199	932598	0.69	cps
Molybdenum	94-1	91487	94339	94157	93327	1.71	cps
Molybdenum	95-1	101365	103201	104853	103139	1.69	cps
Molybdenum	96-1	117481	119157	119305	118648	0.85	cps
Molybdenum	97-1	63909	64143	64887	64313	0.79	cps
Molybdenum	98-1	164348	165120	169772	166413	1.76	cps
Neodymium	150-1	5541	5524	5464	5510	0.73	cps
Neodymium	150-2	4127	3971	3851	3983	3.48	cps
Nickel	60-2	17143	17177	17060	17127	0.35	cps
Phosphorus	31-2	2314	2267	2397	2326	2.83	cps
Potassium	39-2	587520	586092	591504	588372	0.48	cps
Rhodium	103-1	6403574	6428435	6524056	6452022	0.99	cps
Rhodium	103-2	4386759	4392829	4324035	4367874	0.87	cps
Scandium	45-1	4179157	4188504	4275994	4214552	1.27	cps
Scandium	45-2	364077	364413	365542	364677	0.21	cps
Selenium	82-1	1302	1339	1336	1326	1.57	cps
Selenium	77-2	147	133	187	156	17.84	cps
Selenium	78-2	997	1120	1063	1060	5.82	cps
Silicon	28-1	3568390	3670113	4443262	3893922	12.29	cps
Silver	107-1	11758	12002	12022	11927	1.23	cps
Silver	109-1	11571	11671	11988	11744	1.85	cps
Sodium	23-2	586542	580734	582906	583394	0.50	cps
Strontium	86-1	58753	58747	59092	58864	0.34	cps
Strontium	88-1	501507	509316	499752	503525	1.01	cps
Sulfur	34-1	420516	424577	422958	422683	0.48	cps
Terbium	159-1	7552147	7564746	7465341	7527411	0.72	cps
Terbium	159-2	5940348	5919149	5892297	5917265	0.41	cps
Thallium	203-1	45185	46382	46111	45893	1.37	cps
Thallium	205-1	108559	111012	108829	109467	1.23	cps
Tin	118-1	40871	42001	43015	41962	2.56	cps
Titanium	47-1	673	590	693	652	8.40	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 :	Q2639-14MSDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:43:57	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	139253	140408	141345	140335	0.75	cps
Vanadium	51-2	32796	32425	32495	32572	0.60	cps
Yttrium	89-1	9812174	9999255	9991300	9934243	1.06	cps
Yttrium	89-2	3023190	3005665	2957770	2995541	1.13	cps
Zinc	66-2	91153	90432	91945	91177	0.83	cps
Zirconium	90-1	93207	94670	96115	94664	1.54	cps
Zirconium	91-1	21002	21379	21937	21439	2.19	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 :	Q2639-14MSDDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:49:07	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	269306	268054	268494	268618	0.24	cps
Antimony	121-1	53198	52479	51943	52540	1.20	cps
Arsenic	75-2	4437	4614	4477	4510	2.05	cps
Barium	135-1	59698	62249	60337	60761	2.18	cps
Barium	137-1	105458	105935	106314	105902	0.40	cps
Beryllium	9-1	8146	7919	7879	7981	1.80	cps
Bismuth	209-1	4628630	4590565	4524487	4581227	1.15	cps
Bismuth	209-2	4557953	4441426	4543967	4514449	1.41	cps
Bromine	81-1	11154	11208	10781	11048	2.11	cps
Bromine	81-2	273	293	280	282	3.61	cps
Cadmium	108-1	977	1137	1143	1086	8.69	cps
Cadmium	106-1	3534	3467	3530	3510	1.07	cps
Cadmium	111-1	14778	14923	14554	14751	1.26	cps
Calcium	43-1	140497	142489	141874	141620	0.72	cps
Calcium	44-1	2541219	2605491	2557645	2568118	1.30	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	34256	35078	35087	34807	1.37	cps
Cobalt	59-2	67461	67377	66540	67126	0.76	cps
Copper	63-2	367757	370512	371767	370012	0.55	cps
Dysprosium	156-1	3784	4044	3891	3906	3.35	cps
Dysprosium	156-2	4077	4247	4197	4174	2.09	cps
Erbium	164-1	4224	4167	4407	4266	2.94	cps
Erbium	164-2	3437	3394	3544	3458	2.23	cps
Gadolinium	160-1	3921	3757	3857	3845	2.14	cps
Gadolinium	160-2	3370	3537	3584	3497	3.21	cps
Holmium	165-1	7009923	7296039	7220454	7175472	2.07	cps
Holmium	165-2	5882003	5940336	5857640	5893326	0.72	cps
Indium	115-1	6283644	6389494	6492585	6388575	1.64	cps
Indium	115-2	2659112	2698199	2687322	2681544	0.75	cps
Iron	56-2	2778429	2728379	2746917	2751242	0.92	cps
Iron	57-2	63414	63149	63912	63491	0.61	cps
Iron	54-2	138414	136789	136984	137396	0.65	cps
Krypton	83-1	487	583	483	518	10.97	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 :	Q2639-14MSDDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:49:07	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	190876	199289	196345	195504	2.18	cps
Lead	207-1	169219	171116	170685	170340	0.58	cps
Lead	208-1	771299	781259	773639	775399	0.67	cps
Lithium	6-1	652046	666062	662131	660080	1.10	cps
Magnesium	24-2	764220	763987	765517	764574	0.11	cps
Manganese	55-2	947862	939473	949692	945676	0.58	cps
Molybdenum	94-1	97100	97136	95744	96660	0.82	cps
Molybdenum	95-1	105934	108529	108583	107682	1.41	cps
Molybdenum	96-1	120723	119135	122384	120747	1.35	cps
Molybdenum	97-1	65482	65801	66236	65840	0.57	cps
Molybdenum	98-1	170342	172966	173398	172236	0.96	cps
Neodymium	150-1	5851	5491	5328	5557	4.82	cps
Neodymium	150-2	3784	4094	4127	4002	4.73	cps
Nickel	60-2	17066	17333	17150	17183	0.79	cps
Phosphorus	31-2	2410	2070	2247	2242	7.58	cps
Potassium	39-2	590729	587160	595649	591179	0.72	cps
Rhodium	103-1	6421716	6520547	6630062	6524108	1.60	cps
Rhodium	103-2	4326930	4347598	4375232	4349920	0.56	cps
Scandium	45-1	4251960	4341201	4371247	4321469	1.44	cps
Scandium	45-2	363581	367014	369258	366618	0.78	cps
Selenium	82-1	1496	1414	1309	1407	6.66	cps
Selenium	77-2	203	167	177	182	10.40	cps
Selenium	78-2	1003	940	1003	982	3.72	cps
Silicon	28-1	3640396	3753145	3753078	3715539	1.75	cps
Silver	107-1	12415	12622	12812	12617	1.57	cps
Silver	109-1	11965	11862	12018	11948	0.67	cps
Sodium	23-2	582959	578881	579836	580558	0.37	cps
Strontium	86-1	59811	60775	60815	60467	0.94	cps
Strontium	88-1	514258	511054	513931	513081	0.34	cps
Sulfur	34-1	420997	427093	429507	425866	1.03	cps
Terbium	159-1	7351608	7410474	7423149	7395077	0.52	cps
Terbium	159-2	6019343	5898663	5984849	5967619	1.04	cps
Thallium	203-1	46412	45967	47403	46594	1.58	cps
Thallium	205-1	110902	110750	109765	110472	0.56	cps
Tin	118-1	41165	41032	42131	41443	1.45	cps
Titanium	47-1	387	453	460	433	9.36	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 :	Q2639-14MSDDLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725MSDl	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:49:07	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	140004	140063	140613	140227	0.24	cps
Vanadium	51-2	33207	32792	33136	33045	0.67	cps
Yttrium	89-1	10051911	10286692	10075891	10138165	1.27	cps
Yttrium	89-2	3034324	3004279	3074068	3037557	1.15	cps
Zinc	66-2	90338	91079	90214	90544	0.52	cps
Zirconium	90-1	96787	99035	98330	98051	1.17	cps
Zirconium	91-1	21472	21866	22307	21882	1.91	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 :	Q2639-14ADLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:52:22	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	281140	278607	279297	279681	0.47	cps
Antimony	121-1	54055	54516	54423	54331	0.45	cps
Arsenic	75-2	4961	4464	4881	4769	5.59	cps
Barium	135-1	62811	63457	62339	62869	0.89	cps
Barium	137-1	108639	109807	109521	109323	0.56	cps
Beryllium	9-1	8476	8172	8412	8353	1.92	cps
Bismuth	209-1	4588234	4538369	4574186	4566930	0.56	cps
Bismuth	209-2	4502385	4492978	4468877	4488080	0.39	cps
Bromine	81-1	11211	11151	11121	11161	0.41	cps
Bromine	81-2	250	290	317	286	11.75	cps
Cadmium	108-1	1170	947	1083	1067	10.56	cps
Cadmium	106-1	3691	3797	3774	3754	1.49	cps
Cadmium	111-1	15315	15442	15301	15353	0.51	cps
Calcium	43-1	145423	147877	146735	146678	0.84	cps
Calcium	44-1	2641570	2653511	2612285	2635789	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36197	35966	36888	36351	1.32	cps
Cobalt	59-2	69761	68512	69989	69421	1.15	cps
Copper	63-2	389127	384546	379967	384547	1.19	cps
Dysprosium	156-1	4091	4174	4117	4127	1.03	cps
Dysprosium	156-2	4291	4571	4351	4404	3.35	cps
Erbium	164-1	4301	4104	4261	4222	2.46	cps
Erbium	164-2	3791	3661	3477	3643	4.32	cps
Gadolinium	160-1	4014	3877	4264	4052	4.84	cps
Gadolinium	160-2	3701	3821	3707	3743	1.80	cps
Holmium	165-1	7229299	7117609	7117400	7154769	0.90	cps
Holmium	165-2	6000670	6045811	5947065	5997849	0.82	cps
Indium	115-1	6416160	6399068	6539134	6451454	1.18	cps
Indium	115-2	2719979	2660727	2679523	2686743	1.13	cps
Iron	56-2	2883789	2851863	2783412	2839688	1.81	cps
Iron	57-2	66423	65586	65860	65956	0.65	cps
Iron	54-2	140593	142320	140597	141170	0.71	cps
Krypton	83-1	463	487	507	486	4.47	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 :	Q2639-14ADLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:52:22	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	199463	199213	197166	198614	0.63	cps
Lead	207-1	176177	178250	175763	176730	0.75	cps
Lead	208-1	792971	798801	802852	798208	0.62	cps
Lithium	6-1	657695	647917	654695	653436	0.77	cps
Magnesium	24-2	785377	788751	781755	785294	0.45	cps
Manganese	55-2	982924	983326	972643	979631	0.62	cps
Molybdenum	94-1	99213	100482	101230	100309	1.02	cps
Molybdenum	95-1	110241	111605	109462	110436	0.98	cps
Molybdenum	96-1	123422	125507	122256	123729	1.33	cps
Molybdenum	97-1	68007	67977	69176	68387	1.00	cps
Molybdenum	98-1	176710	176659	174142	175837	0.83	cps
Neodymium	150-1	5598	5868	5778	5748	2.39	cps
Neodymium	150-2	4181	4087	4021	4096	1.96	cps
Nickel	60-2	17881	18021	18091	17998	0.59	cps
Phosphorus	31-2	2417	2417	2317	2384	2.42	cps
Potassium	39-2	610913	615595	607922	611476	0.63	cps
Rhodium	103-1	6683417	6541214	6520283	6581638	1.35	cps
Rhodium	103-2	4439762	4364266	4372863	4392297	0.94	cps
Scandium	45-1	4324510	4292012	4249157	4288560	0.88	cps
Scandium	45-2	369121	367257	368021	368133	0.25	cps
Selenium	82-1	1469	1460	1382	1437	3.32	cps
Selenium	77-2	170	207	167	181	12.25	cps
Selenium	78-2	1007	1053	1140	1067	6.34	cps
Silicon	28-1	3832363	3841309	3780329	3818000	0.86	cps
Silver	107-1	12495	13143	12893	12844	2.54	cps
Silver	109-1	12035	13016	12672	12574	3.96	cps
Sodium	23-2	600379	605723	599818	601973	0.54	cps
Strontium	86-1	63262	62382	63349	62998	0.85	cps
Strontium	88-1	525931	532975	533352	530753	0.79	cps
Sulfur	34-1	436350	442495	437055	438633	0.77	cps
Terbium	159-1	7565873	7461285	7444461	7490539	0.88	cps
Terbium	159-2	5966279	5973546	5952215	5964013	0.18	cps
Thallium	203-1	47419	48744	48586	48250	1.50	cps
Thallium	205-1	111439	113439	115197	113359	1.66	cps
Tin	118-1	42128	43255	42663	42682	1.32	cps
Titanium	47-1	483	397	520	467	13.57	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 :	Q2639-14ADLX50	Instrumnet Name :	P7
Client Sample ID :	OU4-TS-44-071725ADL	Dilution Factor :	50
Date & Time Acquired :	2025-07-24 13:52:22	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	144735	148142	145205	146027	1.26	cps
Vanadium	51-2	33771	33774	33350	33632	0.73	cps
Yttrium	89-1	10222788	10141442	10171421	10178550	0.40	cps
Yttrium	89-2	3071558	3072650	3042475	3062227	0.56	cps
Zinc	66-2	94474	92998	93941	93804	0.80	cps
Zirconium	90-1	101925	103146	102340	102470	0.61	cps
Zirconium	91-1	22721	22497	22591	22603	0.50	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 :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:06:30	DataFile Name :	056CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9436144	9262541	9687927	9462204	2.26	cps
Antimony	121-1	3106721	3231209	3187199	3175043	1.99	cps
Arsenic	75-2	196466	193411	195334	195071	0.79	cps
Barium	135-1	3794058	3950965	3823335	3856119	2.16	cps
Barium	137-1	6521492	6629057	6643226	6597925	1.01	cps
Beryllium	9-1	415241	418937	416098	416759	0.46	cps
Bismuth	209-1	4559514	4600264	4632335	4597371	0.79	cps
Bismuth	209-2	4349729	4361508	4333600	4348279	0.32	cps
Bromine	81-1	9980	9873	10254	10036	1.95	cps
Bromine	81-2	180	247	210	212	15.73	cps
Cadmium	108-1	53318	53793	53990	53700	0.64	cps
Cadmium	106-1	75596	77998	78028	77207	1.81	cps
Cadmium	111-1	688559	696238	697709	694169	0.71	cps
Calcium	43-1	4932878	5029704	5028880	4997154	1.11	cps
Calcium	44-1	78805334	79803490	77644472	78751099	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1790286	1809949	1799171	1799802	0.55	cps
Cobalt	59-2	2761202	2709003	2747066	2739090	0.99	cps
Copper	63-2	20725343	21052304	21308611	21028752	1.39	cps
Dysprosium	156-1	173	140	150	154	11.08	cps
Dysprosium	156-2	327	263	317	302	11.27	cps
Erbium	164-1	330	340	323	331	2.53	cps
Erbium	164-2	290	280	250	273	7.62	cps
Gadolinium	160-1	207	180	213	200	8.82	cps
Gadolinium	160-2	510	483	427	473	8.99	cps
Holmium	165-1	7386093	7408721	7405384	7400066	0.17	cps
Holmium	165-2	6155671	6006446	5966033	6042717	1.65	cps
Indium	115-1	6320253	6346204	6398535	6354997	0.63	cps
Indium	115-2	2596803	2606054	2607629	2603496	0.22	cps
Iron	56-2	422898660	417386340	422509447	420931483	0.73	cps
Iron	57-2	10228959	10116284	10206969	10184071	0.59	cps
Iron	54-2	22668831	22564576	22731873	22655093	0.37	cps
Krypton	83-1	440	547	487	491	10.89	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 :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:06:30	DataFile Name :	056CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11903764	11959788	11788164	11883905	0.74	cps
Lead	207-1	10299945	10289787	10119028	10236253	0.99	cps
Lead	208-1	46698401	46890552	46970315	46853089	0.30	cps
Lithium	6-1	709276	713788	710902	711322	0.32	cps
Magnesium	24-2	85156615	84760187	85071029	84995944	0.25	cps
Manganese	55-2	14856419	14884571	15005400	14915463	0.53	cps
Molybdenum	94-1	11982240	12107249	12256598	12115362	1.13	cps
Molybdenum	95-1	17313265	17271126	17636279	17406890	1.15	cps
Molybdenum	96-1	18650055	18948622	19146993	18915223	1.32	cps
Molybdenum	97-1	10559858	10710570	10741654	10670694	0.91	cps
Molybdenum	98-1	27304238	27731044	28098542	27711275	1.43	cps
Neodymium	150-1	160	157	143	153	5.75	cps
Neodymium	150-2	73	100	67	80	22.05	cps
Nickel	60-2	607877	606234	607802	607304	0.15	cps
Phosphorus	31-2	92297	92451	93122	92623	0.47	cps
Potassium	39-2	48163043	48205604	48931619	48433422	0.89	cps
Rhodium	103-1	6310656	6361747	6340324	6337576	0.40	cps
Rhodium	103-2	4197729	4148778	4208186	4184898	0.76	cps
Scandium	45-1	4389577	4352034	4308114	4349908	0.94	cps
Scandium	45-2	369529	372126	369362	370339	0.42	cps
Selenium	82-1	57843	58690	58256	58263	0.73	cps
Selenium	77-2	7075	6925	7128	7043	1.50	cps
Selenium	78-2	23766	24080	23455	23767	1.31	cps
Silicon	28-1	3128847	3240583	3236703	3202044	1.98	cps
Silver	107-1	4301353	4353256	4364514	4339708	0.78	cps
Silver	109-1	4165595	4168386	4146505	4160162	0.29	cps
Sodium	23-2	128591185	129817495	129659628	129356103	0.52	cps
Strontium	86-1	956279	975746	972343	968123	1.07	cps
Strontium	88-1	9708414	9995149	9871718	9858427	1.46	cps
Sulfur	34-1	435729	443129	441677	440178	0.89	cps
Terbium	159-1	7645882	7692899	7744348	7694376	0.64	cps
Terbium	159-2	5936461	6042889	5962524	5980625	0.93	cps
Thallium	203-1	2906162	2990329	2887817	2928102	1.87	cps
Thallium	205-1	6945598	7106176	6996811	7016195	1.17	cps
Tin	118-1	2632252	2676898	2698353	2669168	1.26	cps
Titanium	47-1	4917231	4903786	4966833	4929283	0.67	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 :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:06:30	DataFile Name :	056CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9322108	9448402	9270115	9346875	0.98	cps
Vanadium	51-2	1548385	1533425	1512700	1531504	1.17	cps
Yttrium	89-1	10174371	10270619	10272950	10239313	0.55	cps
Yttrium	89-2	3027330	3001573	2976403	3001769	0.85	cps
Zinc	66-2	3741818	3746618	3748150	3745529	0.09	cps
Zirconium	90-1	5932465	6048208	6053544	6011406	1.14	cps
Zirconium	91-1	1114781	1138344	1131498	1128207	1.07	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 :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:09:47	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	463	477	370	437	13.31	cps
Antimony	121-1	757	717	683	719	5.11	cps
Arsenic	75-2	20	7	10	12	56.76	cps
Barium	135-1	30	77	60	56	42.57	cps
Barium	137-1	70	170	110	117	43.14	cps
Beryllium	9-1	20	13	17	17	20.01	cps
Bismuth	209-1	4540783	4521678	4437098	4499853	1.23	cps
Bismuth	209-2	4380322	4334141	4275035	4329833	1.22	cps
Bromine	81-1	9977	9893	9773	9881	1.04	cps
Bromine	81-2	153	170	163	162	5.17	cps
Cadmium	108-1	7	7	10	8	24.71	cps
Cadmium	106-1	1933	1803	1867	1868	3.48	cps
Cadmium	111-1	242	219	253	238	7.29	cps
Calcium	43-1	327	310	343	327	5.10	cps
Calcium	44-1	29365	30123	29896	29795	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2180	2074	2054	2102	3.24	cps
Cobalt	59-2	130	153	117	133	13.92	cps
Copper	63-2	2250	2184	2087	2174	3.78	cps
Dysprosium	156-1	7	3	7	6	34.70	cps
Dysprosium	156-2	0	7	10	6	91.64	cps
Erbium	164-1	27	43	40	37	24.04	cps
Erbium	164-2	13	23	47	28	61.59	cps
Gadolinium	160-1	40	10	40	30	57.74	cps
Gadolinium	160-2	280	263	293	279	5.39	cps
Holmium	165-1	6928028	6877320	6921375	6908908	0.40	cps
Holmium	165-2	5712705	5672768	5579035	5654836	1.21	cps
Indium	115-1	6116441	6094995	5993650	6068362	1.08	cps
Indium	115-2	2545484	2527495	2489159	2520712	1.14	cps
Iron	56-2	30718	27752	25255	27908	9.80	cps
Iron	57-2	1617	1540	1520	1559	3.27	cps
Iron	54-2	3170	3020	2890	3027	4.63	cps
Krypton	83-1	450	433	520	468	9.83	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 :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:09:47	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	870	960	967	932	5.79	cps
Lead	207-1	740	920	777	812	11.71	cps
Lead	208-1	3590	3904	3760	3751	4.18	cps
Lithium	6-1	689704	679710	680744	683386	0.80	cps
Magnesium	24-2	2017	1470	913	1467	37.62	cps
Manganese	55-2	5418	5301	5434	5384	1.35	cps
Molybdenum	94-1	600	723	707	677	9.89	cps
Molybdenum	95-1	720	827	607	718	15.33	cps
Molybdenum	96-1	753	767	753	758	1.02	cps
Molybdenum	97-1	460	503	463	476	5.07	cps
Molybdenum	98-1	1003	1303	1063	1123	14.13	cps
Neodymium	150-1	10	13	13	12	15.73	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	487	513	463	488	5.13	cps
Phosphorus	31-2	337	407	383	376	9.49	cps
Potassium	39-2	76960	75891	76270	76374	0.71	cps
Rhodium	103-1	6078395	6106871	6026584	6070617	0.67	cps
Rhodium	103-2	4108302	4083388	4051105	4080932	0.70	cps
Scandium	45-1	4045688	4006238	4053241	4035056	0.63	cps
Scandium	45-2	341981	339761	342567	341437	0.43	cps
Selenium	82-1	120	143	79	114	28.63	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	567	563	543	558	2.26	cps
Silicon	28-1	649252	644538	631173	641654	1.46	cps
Silver	107-1	237	303	237	259	14.87	cps
Silver	109-1	220	267	243	243	9.59	cps
Sodium	23-2	58393	56216	55496	56702	2.66	cps
Strontium	86-1	793	783	670	749	9.15	cps
Strontium	88-1	177	273	183	211	25.57	cps
Sulfur	34-1	179004	181083	179761	179949	0.58	cps
Terbium	159-1	7270773	7150375	7103057	7174735	1.21	cps
Terbium	159-2	5663199	5527217	5650187	5613534	1.34	cps
Thallium	203-1	557	573	523	551	4.62	cps
Thallium	205-1	1373	1383	1377	1378	0.37	cps
Tin	118-1	1404	1293	1397	1365	4.52	cps
Titanium	47-1	90	153	143	129	26.42	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 :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired :	2025-07-24 14:09:47	DataFile Name :	057CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67	160	127	118	40.16	cps
Vanadium	51-2	37	23	20	27	33.08	cps
Yttrium	89-1	9622728	9663320	9481488	9589179	1.00	cps
Yttrium	89-2	2739095	2785197	2804906	2776399	1.22	cps
Zinc	66-2	723	630	607	653	9.45	cps
Zirconium	90-1	793	857	917	856	7.21	cps
Zirconium	91-1	147	153	157	152	3.35	cps

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168959

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 07/21/2025 **Time :** 13:30 **Temp :** 94 °C

End Digest Date: 07/21/2025 **Time :** 15:30 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86433
CCV	30mL	MP86435
CRA	30mL	MP86437
Blank Spike	0.48mL	MP86425
Matrix Spike	0.48mL	MP86425

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	MP86426
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86428
2.5 ppb	S2.5	30mL	MP86429
5.0 ppb	S5.0	30mL	MP86430
7.5 ppb	S7.5	30mL	MP86431
10.0 ppb	S10.0	30mL	MP86432
ICV	ICV	30mL	MP86433
ICB	ICB	30mL	MP86434
CCV	CCV	30mL	MP86435
CCB	CCB	30mL	MP86436
CRI	CRI	30mL	MP86437
CHK STD	CHK STD	30mL	MP86438

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/2025 15:45	MB (Metal Digestion)	MB (Metal Lab)
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB168959

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168959BL	PBW959	30	30	<2	N/A	3-1
PB168959BS	LCS959	30	30	<2	MP86425	2
PB168959TB	~~LEB959~~ PB168916TB	30	30	<2	N/A	3
Q2638-02	OU4-TS-31-071725	30	30	<2	N/A	4
Q2638-04	OU4-TS-32-071725	30	30	<2	N/A	5
Q2638-06	OU4-TS-33-071725	30	30	<2	N/A	6
Q2638-08	OU4-TS-34-071725	30	30	<2	N/A	7
Q2638-10	OU4-TS-35-071725	30	30	<2	N/A	8
Q2638-12	OU4-TS-36-071725	30	30	<2	N/A	9
Q2638-14	OU4-TS-37-071725	30	30	<2	N/A	10
Q2639-02	OU4-TS-38-071725	30	30	<2	N/A	11
Q2639-04	OU4-TS-39-071725	30	30	<2	N/A	12
Q2639-06	OU4-TS-40-071725	30	30	<2	N/A	13
Q2639-08	OU4-TS-41-071725	30	30	<2	N/A	14
Q2639-10	OU4-TS-42-071725	30	30	<2	N/A	15
Q2639-12	OU4-TS-43-071725	30	30	<2	N/A	16
Q2639-14	OU4-TS-44-071725	30	30	<2	N/A	17
Q2639-14DUP	OU4-TS-44-071725DUP	30	30	<2	N/A	18
Q2639-14MS	OU4-TS-44-071725MS	30	30	<2	MP86425	19
Q2639-14MSD	OU4-TS-44-071725MSD	30	30	<2	MP86425	20

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168916

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 / T-2

TCLP Filter ID : 115525

Start Prep Date : 07/18/2025 **Time :** 17:00

End Prep Date : 07/19/2025 **Time :** 11:25

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 70

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : SHG. 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	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	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2639-14 is used for MS-MSD..

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 10:00	JP / Cold Room	SHG. / Dry Dig.
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168937

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 07/21/2025 **Time :** 11:30 **Temp :** 96 °C

End Digest Date: 07/21/2025 **Time :** 13:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKS.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP86442
Spike Sol 2	1.00	MP86443
Spike Sol 3	1.00	MP86444
Spike Sol 4	1.00	MP86445
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C.
MP86444,MP86445,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 14:32	SKS. metals	metalslab
	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
PB168937BL	PBW937	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	30
PB168937BS	LCS937	<2	50	50	Colorless	Colorless	Clear	Clear	MP86442,MP86443,X*	31
PB168937TB	LEB937	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	49
Q2638-02	OU4-TS-31-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	32
Q2638-04	OU4-TS-32-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	33
Q2638-06	OU4-TS-33-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	34
Q2638-08	OU4-TS-34-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	35
Q2638-10	OU4-TS-35-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	36
Q2638-12	OU4-TS-36-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	37
Q2638-14	OU4-TS-37-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	38
Q2639-02	OU4-TS-38-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	39
Q2639-04	OU4-TS-39-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	40
Q2639-06	OU4-TS-40-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	41
Q2639-08	OU4-TS-41-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	42
Q2639-10	OU4-TS-42-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	43
Q2639-12	OU4-TS-43-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	44
Q2639-14	OU4-TS-44-071725	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	45
Q2639-14MS	OU4-TS-44-071725MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86442,MP86443,X*	47
Q2639-14MSD	OU4-TS-44-071725MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86442,MP86443,X*	48
Q2639-14DUP	OU4-TS-44-071725DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	46

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168916

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 P(
PB168916TB	LEB916	15	N/A	2000	N/A	N/A	N/A	4.24	1.0	T-2
Q2638-02	OU4-TS-31-071725	01	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2638-04	OU4-TS-32-071725	02	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2638-06	OU4-TS-33-071725	03	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2638-08	OU4-TS-34-071725	04	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2638-10	OU4-TS-35-071725	05	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2638-12	OU4-TS-36-071725	06	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2638-14	OU4-TS-37-071725	07	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2639-02	OU4-TS-38-071725	08	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2639-04	OU4-TS-39-071725	09	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2639-06	OU4-TS-40-071725	10	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2639-08	OU4-TS-41-071725	11	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2639-10	OU4-TS-42-071725	12	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-2
Q2639-12	OU4-TS-43-071725	13	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2639-14	OU4-TS-44-071725	14	100.01	2000	N/A	N/A	N/A	5.0	1.5	T-2

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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP864276MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/22/25 14:29		MOHAN	OK
2	S0.2	S0.2	CAL2	07/22/25 14:31		MOHAN	OK
3	S2.5	S2.5	CAL3	07/22/25 14:34		MOHAN	OK
4	S5	S5	CAL4	07/22/25 14:36		MOHAN	OK
5	S7.5	S7.5	CAL5	07/22/25 14:38		MOHAN	OK
6	S10	S10	CAL6	07/22/25 14:52		MOHAN	OK
7	ICV36	ICV36	ICV	07/22/25 15:13		MOHAN	OK
8	ICB36	ICB36	ICB	07/22/25 15:15		MOHAN	OK
9	CCV34	CCV34	CCV	07/22/25 15:17		MOHAN	OK
10	CCB34	CCB34	CCB	07/22/25 15:20		MOHAN	OK
11	CRA	CRA	CRDL	07/22/25 15:22		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/22/25 15:24		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/22/25 15:26		MOHAN	OK
14	PB168959BL	PB168959BL	MB	07/22/25 15:32		MOHAN	OK
15	PB168959BS	PB168959BS	LCS	07/22/25 15:37		MOHAN	OK
16	Q2638-02	OU4-TS-31-071725	SAM	07/22/25 15:39		MOHAN	OK
17	Q2638-04	OU4-TS-32-071725	SAM	07/22/25 15:42		MOHAN	OK
18	Q2638-06	OU4-TS-33-071725	SAM	07/22/25 15:44		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP864276MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

19	Q2638-08	OU4-TS-34-071725	SAM	07/22/25 15:46		MOHAN	OK
20	Q2638-10	OU4-TS-35-071725	SAM	07/22/25 15:48		MOHAN	OK
21	CCV35	CCV35	CCV	07/22/25 15:54		MOHAN	OK
22	CCB35	CCB35	CCB	07/22/25 15:59		MOHAN	OK
23	Q2638-12	OU4-TS-36-071725	SAM	07/22/25 16:01		MOHAN	OK
24	Q2638-14	OU4-TS-37-071725	SAM	07/22/25 16:03		MOHAN	OK
25	Q2639-02	OU4-TS-38-071725	SAM	07/22/25 16:06		MOHAN	OK
26	Q2639-04	OU4-TS-39-071725	SAM	07/22/25 16:08		MOHAN	OK
27	Q2639-06	OU4-TS-40-071725	SAM	07/22/25 16:10		MOHAN	OK
28	Q2639-08	OU4-TS-41-071725	SAM	07/22/25 16:12		MOHAN	OK
29	Q2639-10	OU4-TS-42-071725	SAM	07/22/25 16:15		MOHAN	OK
30	Q2639-12	OU4-TS-43-071725	SAM	07/22/25 16:17		MOHAN	OK
31	Q2639-14	OU4-TS-44-071725	SAM	07/22/25 16:19		MOHAN	OK
32	Q2639-14DUP	OU4-TS-44-071725DU	DUP	07/22/25 16:22		MOHAN	OK
33	CCV36	CCV36	CCV	07/22/25 16:28		MOHAN	OK
34	CCB36	CCB36	CCB	07/22/25 16:30		MOHAN	OK
35	Q2639-14MS	OU4-TS-44-071725MS	MS	07/22/25 16:32		MOHAN	OK
36	Q2639-14MSD	OU4-TS-44-071725MS	MSD	07/22/25 16:35		MOHAN	OK
37	PB168960BL	PB168960BL	MB	07/22/25 16:37		MOHAN	OK
38	PB168960BS	PB168960BS	LCS	07/22/25 16:42		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP864276MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

39	Q2641-02	P001-CONCRETE001	SAM	07/22/25 16:44		MOHAN	OK
40	Q2645-03	RW5B-CARBON-2025	SAM	07/22/25 16:46		MOHAN	OK
41	Q2646-03	FRAC TANK	SAM	07/22/25 16:49		MOHAN	OK
42	Q2649-04	WC-1	SAM	07/22/25 16:51		MOHAN	OK
43	Q2649-08	WC-2	SAM	07/22/25 16:53		MOHAN	OK
44	Q2649-12	WC-3	SAM	07/22/25 16:56		MOHAN	OK
45	CCV37	CCV37	CCV	07/22/25 16:58		MOHAN	OK
46	CCB37	CCB37	CCB	07/22/25 17:00		MOHAN	OK
47	Q2649-16	WC-4	SAM	07/22/25 17:02		MOHAN	OK
48	Q2649-20	WC-5	SAM	07/22/25 17:05		MOHAN	OK
49	Q2649-24	WC-6	SAM	07/22/25 17:07		MOHAN	OK
50	Q2649-24DUP	WC-6DUP	DUP	07/22/25 17:09		MOHAN	OK
51	Q2649-24MS	WC-6MS	MS	07/22/25 17:11		MOHAN	OK
52	Q2649-24MSD	WC-6MSD	MSD	07/22/25 17:14		MOHAN	OK
53	PB168961BL	PB168961BL	MB	07/22/25 17:21		MOHAN	OK
54	PB168961BS	PB168961BS	LCS	07/22/25 17:24		MOHAN	OK
55	Q2640-01	ELMORA-WATER	SAM	07/22/25 17:26		MOHAN	OK
56	Q2640-01DUP	ELMORA-WATERDUP	DUP	07/22/25 17:28		MOHAN	OK
57	CCV38	CCV38	CCV	07/22/25 17:31		MOHAN	OK
58	CCB38	CCB38	CCB	07/22/25 17:33		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 # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP864276MP86428,MP86429,MP86430,MP86431,MP86432
ICV Standard	MP86433
CCV Standard	MP86435
ICSA Standard	
CRI Standard	MP86437
LCS Standard	
Chk Standard	MP86434,MP86436,MP8646538,MP86423

59	Q2640-01MS	ELMORA-WATERMS	MS	07/22/25 17:35		MOHAN	OK
60	Q2640-01MSD	ELMORA-WATERMSI	MSD	07/22/25 17:37		MOHAN	OK
61	Q2646-01	FRAC TANK	SAM	07/22/25 17:40		MOHAN	OK
62	Q2655-03	71125	SAM	07/22/25 17:42	Hg high	MOHAN	Dilution
63	Q2655-04	71425	SAM	07/22/25 17:44		MOHAN	OK
64	Q2660-05	MOO-25-0220	SAM	07/22/25 17:48		MOHAN	OK
65	PB168959TB	PB168959TB	MB	07/22/25 17:53		MOHAN	OK
66	PB168919TB	PB168919TB	MB	07/22/25 17:55		MOHAN	OK
67	PB168926TB	PB168926TB	MB	07/22/25 17:57		MOHAN	OK
68	CCV39	CCV39	CCV	07/22/25 18:15		MOHAN	OK
69	CCB39	CCB39	CCB	07/22/25 18:20		MOHAN	OK
70	Q2639-14L	OU4-TS-44-071725L	SD	07/22/25 18:22		MOHAN	OK
71	Q2639-14A	OU4-TS-44-071725A	PS	07/22/25 18:24		MOHAN	OK
72	Q2649-24L	WC-6L	SD	07/22/25 18:27		MOHAN	OK
73	Q2649-24A	WC-6A	PS	07/22/25 18:29		MOHAN	OK
74	Q2640-01L	ELMORA-WATERL	SD	07/22/25 18:31		MOHAN	OK
75	Q2640-01A	ELMORA-WATERA	PS	07/22/25 18:33		MOHAN	OK
76	Q2655-03DL	71125DL	SAM	07/22/25 18:48	10X for Hg	MOHAN	Confirms
77	CCV40	CCV40	CCV	07/22/25 18:56		MOHAN	OK
78	CCB40	CCB40	CCB	07/22/25 18:58		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 # LB136576

Review By	Janvi	Review On	7/24/2025 2:58:34 PM
Supervise By	jaswal	Supervise On	7/24/2025 3:00:02 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	07/22/25 14:09		Jaswal	OK
2	S0	S0	CAL1	07/22/25 14:42		Jaswal	OK
3	S2	S2	CAL3	07/22/25 14:48		Jaswal	OK
4	S3	S3	CAL4	07/22/25 14:51		Jaswal	OK
5	S4	S4	CAL5	07/22/25 14:55		Jaswal	OK
6	S5	S5	CAL6	07/22/25 14:58		Jaswal	OK
7	S6	S6	CAL7	07/22/25 15:00		Jaswal	OK
8	S7	S7	CAL8	07/22/25 15:03		Jaswal	OK
9	S8	S8	CAL9	07/22/25 15:06		Jaswal	OK
10	ICV01	ICV01	ICV	07/22/25 16:39		Jaswal	OK
11	LLICV01	LLICV01	LLICV	07/22/25 16:42		Jaswal	OK
12	ICB01	ICB01	ICB	07/22/25 16:45		Jaswal	OK
13	ICSA01	ICSA01	ICSA	07/22/25 16:48		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	07/22/25 16:55		Jaswal	OK
15	CCV01	CCV01	CCV	07/22/25 16:58		Jaswal	OK
16	CCB01	CCB01	CCB	07/22/25 17:09		Jaswal	OK
17	CRI	CRI	CRDL	07/22/25 17:12		Jaswal	OK
18	PB168937BL	PB168937BL	MB	07/22/25 17:15		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 # LB136576

Review By	Janvi	Review On	7/24/2025 2:58:34 PM
Supervise By	jaswal	Supervise On	7/24/2025 3:00:02 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	PB168937BS	PB168937BS	LCS	07/22/25 17:19		Jaswal	OK
20	Q2638-02DL	OU4-TS-31-071725DL	SAM	07/22/25 17:21	IntStd89Y(1),209Bi(1) fail	Jaswal	Dilution
21	Q2638-04DL	OU4-TS-32-071725DL	SAM	07/22/25 17:25	IntStd89Y(1)(2)209Bi(1) fail	Jaswal	Dilution
22	Q2638-06DL	OU4-TS-33-071725DL	SAM	07/22/25 17:28	IntStd89Y(1)209Bi(1) fail	Jaswal	Dilution
23	Q2638-08DL	OU4-TS-34-071725DL	SAM	07/22/25 17:31	IntStd89Y(1)209Bi(1) fail	Jaswal	Dilution
24	Q2638-10DL	OU4-TS-35-071725DL	SAM	07/22/25 17:34	IntStd89Y(1)209Bi(1) fail	Jaswal	Dilution
25	Q2638-12DL	OU4-TS-36-071725DL	SAM	07/22/25 17:37	IntStd89Y(1)209Bi(1) fail	Jaswal	Dilution
26	Q2638-14DL	OU4-TS-37-071725DL	SAM	07/22/25 17:40	IntStd89Y(1)209Bi(1) fail	Jaswal	Dilution
27	CCV02	CCV02	CCV	07/22/25 17:48		Jaswal	OK
28	CCB02	CCB02	CCB	07/22/25 18:04		Jaswal	OK
29	Q2639-02DL	OU4-TS-38-071725DL	SAM	07/22/25 18:07	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
30	Q2639-04DL	OU4-TS-39-071725DL	SAM	07/22/25 18:11	IntStd89Y(1),209Bi(1) fail	Jaswal	Dilution
31	Q2639-06DL	OU4-TS-40-071725DL	SAM	07/22/25 18:14	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
32	Q2639-08DL	OU4-TS-41-071725DL	SAM	07/22/25 18:17	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
33	Q2639-10DL	OU4-TS-42-071725DL	SAM	07/22/25 18:20	IntStd89Y(1),209Bi(1) fail	Jaswal	Dilution
34	Q2639-12DL	OU4-TS-43-071725DL	SAM	07/22/25 18:23	IntStd89Y(1),209Bi(1) fail	Jaswal	Dilution
35	Q2639-14DL	OU4-TS-44-071725DL	SAM	07/22/25 18:26	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
36	Q2639-14DUPDL	OU4-TS-44-071725DL	DUP	07/22/25 18:29	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136576

Review By	Janvi	Review On	7/24/2025 2:58:34 PM
Supervise By	jaswal	Supervise On	7/24/2025 3:00:02 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

37	Q2639-14LDL	OU4-TS-44-071725LD	SD	07/22/25 18:33	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
38	Q2639-14MSDL	OU4-TS-44-071725MS	MS	07/22/25 18:36	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
39	CCV03	CCV03	CCV	07/22/25 19:00		Jaswal	OK
40	CCB03	CCB03	CCB	07/22/25 19:13		Jaswal	OK
41	Q2639-14MSDDL	OU4-TS-44-071725MS	MSD	07/22/25 19:18	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
42	Q2639-14ADL	OU4-TS-44-071725AD	PS	07/22/25 19:21	IntStd89Y(1&2),209Bi(1) fail	Jaswal	Dilution
43	PB168937TB	PB168937TB	MB	07/22/25 19:24		Jaswal	OK
44	Q2555-02DL2	OU4-TS-29-070925DL	SAM	07/22/25 19:27	Not Use	Jaswal	Not Ok
45	Q2555-02DUPDL2	OU4-TS-29-070925DU	DUP	07/22/25 19:31	Not Use	Jaswal	Not Ok
46	Q2555-02LDL2	OU4-TS-29-070925LD	SD	07/22/25 19:34	Not Use	Jaswal	Not Ok
47	Q2555-02MSDL2	OU4-TS-29-070925MS	MS	07/22/25 19:37	Not Use	Jaswal	Not Ok
48	Q2555-02MSDDL2	OU4-TS-29-070925MS	MSD	07/22/25 19:40	Not Use	Jaswal	Not Ok
49	Q2555-02ADL2	OU4-TS-29-070925AD	PS	07/22/25 19:43	Not Use	Jaswal	Not Ok
50	Q2555-04DL2	OU4-TS-30-070925DL	SAM	07/22/25 19:46	Not Use	Jaswal	Not Ok
51	CCV04	CCV04	CCV	07/22/25 19:53		Jaswal	OK
52	CCB04	CCB04	CCB	07/22/25 20:03		Jaswal	OK
53	Q2558-02DL2	OU4-TS-Denali-07092	SAM	07/22/25 20:06	10X For INT_STD 89Y(1)	Jaswal	Confirms
54	Q2555-02DL2RE	OU4-TS-29-070925DL	SAM	07/22/25 20:10	Not Use	Jaswal	Not Ok
55	Q2555-02DUPDL2RE	OU4-TS-29-070925DU	DUP	07/22/25 20:13	Not Use	Jaswal	Not 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 # LB136576

Review By	Janvi	Review On	7/24/2025 2:58:34 PM
Supervise By	jaswal	Supervise On	7/24/2025 3:00:02 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

56	Q2555-02DL3RE	OU4-TS-29-070925DL	SAM	07/22/25 20:25	Not Use	Jaswal	Not Ok
57	Q2555-02DUPDL3RE	OU4-TS-29-070925DU	DUP	07/22/25 20:28	Not Use	Jaswal	Not Ok
58	Q2555-02LDL3RE	OU4-TS-29-070925LD	SD	07/22/25 20:32	Not Use	Jaswal	Not Ok
59	Q2555-02MSDL3RE	OU4-TS-29-070925MS	MS	07/22/25 20:35	Not Use	Jaswal	Not Ok
60	Q2555-02MSDDL3RE	OU4-TS-29-070925MS	MSD	07/22/25 20:38	Not Use	Jaswal	Not Ok
61	Q2555-02ADL3RE	OU4-TS-29-070925AD	PS	07/22/25 20:41	Not Use	Jaswal	Not Ok
62	CCV05	CCV05	CCV	07/22/25 21:02		Jaswal	OK
63	CCB05	CCB05	CCB	07/22/25 21:09		Jaswal	OK
64	Q2555-02DL3	OU4-TS-29-070925DL	SAM	07/22/25 21:12	Not Use	Jaswal	Not Ok
65	Q2555-02DUPDL3	OU4-TS-29-070925DU	DUP	07/22/25 21:16	Not Use	Jaswal	Not Ok
66	Q2555-02LDL3	OU4-TS-29-070925LD	SD	07/22/25 21:19	Not Use	Jaswal	Not Ok
67	Q2555-02MSDL3	OU4-TS-29-070925MS	MS	07/22/25 21:22	Not Use	Jaswal	Not Ok
68	Q2555-02MSDDL3	OU4-TS-29-070925MS	MSD	07/22/25 21:25	Not Use	Jaswal	Not Ok
69	Q2555-02ADL3	OU4-TS-29-070925AD	PS	07/22/25 21:28	Not Use	Jaswal	Not Ok
70	Q2639-02DL2	OU4-TS-38-071725DL	SAM	07/22/25 21:32	Not Use	Jaswal	Not Ok
71	Q2639-04DL2	OU4-TS-39-071725DL	SAM	07/22/25 21:35	Not Use	Jaswal	Not Ok
72	Q2639-06DL2	OU4-TS-40-071725DL	SAM	07/22/25 21:38	Not Use	Jaswal	Not Ok
73	Q2639-08DL2	OU4-TS-41-071725DL	SAM	07/22/25 21:41	Not Use	Jaswal	Not Ok
74	CCV06	CCV06	CCV	07/22/25 22:04		Jaswal	OK
75	CCB06	CCB06	CCB	07/22/25 22:11		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 # LB136576

Review By	Janvi	Review On	7/24/2025 2:58:34 PM
Supervise By	jaswal	Supervise On	7/24/2025 3:00:02 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

76	Q2638-02DL2	OU4-TS-31-071725DL	SAM	07/22/25 22:15	25X For INT_STD 89Y(1),209Bi(1)	Jaswal	Confirms
77	Q2638-04DL2	OU4-TS-32-071725DL	SAM	07/22/25 22:18	25X For 89Y(1&2),209Bi(1) , Still 89Y(1&2)Fail	Jaswal	Dilution
78	Q2638-06DL2	OU4-TS-33-071725DL	SAM	07/22/25 22:21	25X For 89Y(1),209Bi(1) , Still 89Y(1)Fail	Jaswal	Dilution
79	Q2638-14DL2	OU4-TS-37-071725DL	SAM	07/22/25 22:24	25X For 89Y(1),209Bi(1) , Still 89Y(1)Fail	Jaswal	Dilution
80	CCV07	CCV07	CCV	07/22/25 22:28		Jaswal	OK
81	CCB07	CCB07	CCB	07/22/25 22:30		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	Q2555-02DL4	OU4-TS-29-070925DL	SAM	07/24/25 12:04	100X For INT_STD 89Y(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	Q2555-02DUPDL4	OU4-TS-29-070925DU	DUP	07/24/25 12:07	100X For INT_STD 89Y(1&2)	Jaswal	Confirms
20	Q2555-02LDL4	OU4-TS-29-070925LD	SD	07/24/25 12:11	500X For INT_STD 89Y(1&2)	Jaswal	Confirms
21	Q2555-02MSDL4	OU4-TS-29-070925MS	MS	07/24/25 12:14	100X For INT_STD 89Y(1&2)	Jaswal	Confirms
22	Q2555-02MSDDL4	OU4-TS-29-070925MS	MSD	07/24/25 12:17	100X For INT_STD 89Y(1&2)	Jaswal	Confirms
23	Q2555-02ADL4	OU4-TS-29-070925AD	PS	07/24/25 12:20	Not Use	Jaswal	Not Ok
24	Q2555-04DL4	OU4-TS-30-070925DL	SAM	07/24/25 12:24	50X For INT_STD 89Y(1&2)	Jaswal	Confirms
25	Q2638-02DL	OU4-TS-31-071725DL	SAM	07/24/25 12:31	Not Use	Jaswal	Not Ok
26	Q2638-04DL	OU4-TS-32-071725DL	SAM	07/24/25 12:34	50X For INT_STD 89Y(1&2)	Jaswal	Confirms
27	CCV02	CCV02	CCV	07/24/25 12:39		Jaswal	OK
28	CCB02	CCB02	CCB	07/24/25 12:45		Jaswal	OK
29	Q2638-06DL	OU4-TS-33-071725DL	SAM	07/24/25 12:50	50X for INT_STD 89Y(1)	Jaswal	Confirms
30	Q2638-08DL	OU4-TS-34-071725DL	SAM	07/24/25 12:53	50X for INT_STD 89Y(1),209Bi(1)	Jaswal	Confirms
31	Q2638-10DL	OU4-TS-35-071725DL	SAM	07/24/25 12:56	50X for INT_STD 89Y(1),209Bi(1)	Jaswal	Confirms
32	Q2638-12DL	OU4-TS-36-071725DL	SAM	07/24/25 12:59	50X for INT_STD 89Y(1),209Bi(1)	Jaswal	Confirms
33	Q2638-14DL	OU4-TS-37-071725DL	SAM	07/24/25 13:03	50X for INT_STD 89Y(1)	Jaswal	Confirms
34	Q2639-02DL	OU4-TS-38-071725DL	SAM	07/24/25 13:06	50X For IntStd89Y(1&2),209Bi(1)	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

35	Q2639-04DL	OU4-TS-39-071725DL	SAM	07/24/25 13:09	50X For IntStd89Y(1),209Bi(1)	Jaswal	Confirms
36	Q2639-06DL	OU4-TS-40-071725DL	SAM	07/24/25 13:12	50X For IntStd89Y(1&2),209Bi(1)	Jaswal	Confirms
37	Q2639-08DL	OU4-TS-41-071725DL	SAM	07/24/25 13:16	50X For IntStd89Y(1&2),209Bi(1)	Jaswal	Confirms
38	Q2639-10DL	OU4-TS-42-071725DL	SAM	07/24/25 13:19	50X for INT_STD 89Y(1),209Bi(1)	Jaswal	Confirms
39	CCV03	CCV03	CCV	07/24/25 13:22		Jaswal	OK
40	CCB03	CCB03	CCB	07/24/25 13:26		Jaswal	OK
41	Q2639-12DL	OU4-TS-43-071725DL	SAM	07/24/25 13:30	50X for INT_STD 89Y(1),209Bi(1)	Jaswal	Confirms
42	Q2639-14DL	OU4-TS-44-071725DL	SAM	07/24/25 13:34	50X For IntStd89Y(1&2),209Bi(1)	Jaswal	Confirms
43	Q2639-14DUPDL	OU4-TS-44-071725DU	DUP	07/24/25 13:37	50X For IntStd89Y(1&2),209Bi(1)	Jaswal	Confirms
44	Q2639-14LDL	OU4-TS-44-071725LD	SD	07/24/25 13:40	250X For IntStd89Y(1&2),209Bi(1)	Jaswal	Confirms
45	Q2639-14MSDL	OU4-TS-44-071725MS	MS	07/24/25 13:43	50X For IntStd89Y(1&2),209Bi(1)	Jaswal	Confirms
46	Q2639-14MSDDL	OU4-TS-44-071725MS	MSD	07/24/25 13:49	50X For IntStd89Y(1&2),209Bi(1)	Jaswal	Confirms
47	Q2639-14ADL	OU4-TS-44-071725AD	PS	07/24/25 13:52	50X For IntStd 209Bi(1)	Jaswal	Confirms
48	CCV04	CCV04	CCV	07/24/25 14:06		Jaswal	OK
49	CCB04	CCB04	CCB	07/24/25 14:09		Jaswal	OK

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168916

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 / T-2

TCLP Filter ID : 115525

Start Prep Date : 07/18/2025 **Time :** 17:00

End Prep Date : 07/19/2025 **Time :** 11:25

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 70

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : ~~SHG~~. 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	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	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2639-14 is used for MS-MSD..

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 10:00	JP / Cell Room	SHG. / Inorg
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB168916

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
PB168916TB	LEB916	15	N/A	2000	N/A	N/A	N/A	4.24	1.0	T-2
Q2638-02	OU4-TS-31-071725	01	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2638-04	OU4-TS-32-071725	02	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2638-06	OU4-TS-33-071725	03	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2638-08	OU4-TS-34-071725	04	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2638-10	OU4-TS-35-071725	05	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2638-12	OU4-TS-36-071725	06	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2638-14	OU4-TS-37-071725	07	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2639-02	OU4-TS-38-071725	08	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2639-04	OU4-TS-39-071725	09	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2639-06	OU4-TS-40-071725	10	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2639-08	OU4-TS-41-071725	11	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2639-10	OU4-TS-42-071725	12	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-2
Q2639-12	OU4-TS-43-071725	13	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2639-14	OU4-TS-44-071725	14	100.01	2000	N/A	N/A	N/A	5.0	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168916TB	LEB916	N/A	N/A	N/A	N/A	N/A	N/A
Q2638-02	OU4-TS-31-071725	N/A	N/A	N/A	N/A	100	N/A
Q2638-04	OU4-TS-32-071725	N/A	N/A	N/A	N/A	100	N/A
Q2638-06	OU4-TS-33-071725	N/A	N/A	N/A	N/A	100	N/A
Q2638-08	OU4-TS-34-071725	N/A	N/A	N/A	N/A	100	N/A
Q2638-10	OU4-TS-35-071725	N/A	N/A	N/A	N/A	100	N/A
Q2638-12	OU4-TS-36-071725	N/A	N/A	N/A	N/A	100	N/A
Q2638-14	OU4-TS-37-071725	N/A	N/A	N/A	N/A	100	N/A
Q2639-02	OU4-TS-38-071725	N/A	N/A	N/A	N/A	100	N/A
Q2639-04	OU4-TS-39-071725	N/A	N/A	N/A	N/A	100	N/A
Q2639-06	OU4-TS-40-071725	N/A	N/A	N/A	N/A	100	N/A
Q2639-08	OU4-TS-41-071725	N/A	N/A	N/A	N/A	100	N/A
Q2639-10	OU4-TS-42-071725	N/A	N/A	N/A	N/A	100	N/A
Q2639-12	OU4-TS-43-071725	N/A	N/A	N/A	N/A	100	N/A
Q2639-14	OU4-TS-44-071725	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB168916

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
PB168916TB	LEB916	N/A	N/A	N/A	N/A	#1	4.24
Q2638-02	OU4-TS-31-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2638-04	OU4-TS-32-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2638-06	OU4-TS-33-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2638-08	OU4-TS-34-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2638-10	OU4-TS-35-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2638-12	OU4-TS-36-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2638-14	OU4-TS-37-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2639-02	OU4-TS-38-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2639-04	OU4-TS-39-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2639-06	OU4-TS-40-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2639-08	OU4-TS-41-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2639-10	OU4-TS-42-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2639-12	OU4-TS-43-071725	N/A	N/A	N/A	N/A	#1	4.24
Q2639-14	OU4-TS-44-071725	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 : Q2638

Test : SPLP Mercury,SPLP MetalGroup3

Prepbatch ID : PB168937,PB168959,

Sequence ID/Qc Batch ID: LB136570,LB136576,LB136601,

Standard ID :
MP85156,MP85892,MP85893,MP85894,MP85895,MP86423,MP86425,MP864276MP86428,MP86429,MP86430,MP86431,MP86432,MP86433,MP86434,MP86435,MP86436,MP86437,MP86441,MP86442,MP86443,MP86444,MP86445,MP86446,MP86447,MP86448,MP86449,MP86450,MP86451,MP8646538,MP86466,MP86468,MP86469,MP86470,MP86471,MP86472,MP86473,MP86496,MP86497,MP86500,

Chemical ID :
M4371,M4465,M4916,M5062,M5305,M5471,M5519,M5520,M5658,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,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
68	STANNOUS CHLORIDE SOLUTION	MP86423	07/21/2025	07/22/2025	Mohan Bera	None	None	Sarabjit Jaswal 07/23/2025

FROM 450.00000ml of W3112 + 50.00000gram of M5882 + 50.00000ml of M6151 = 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
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP86425	07/21/2025	07/22/2025	Mohan Bera	None	None	Sarabjit Jaswal 07/23/2025

FROM 1.00000ml of M6162 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1342	Hg 2.5 PPB STD	MP86429	07/21/2025	07/22/2025	Mohan Bera	None	None	Sarabjit Jaswal 07/23/2025

FROM 2.50000ml of M6162 + 245.00000ml of W3112 + 2.50000ml of MP86425 = 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
1343	Hg 5.0 PPB STD	MP86430	07/21/2025	07/22/2025	Mohan Bera	None	None	Sarabjit Jaswal 07/23/2025

FROM 2.50000ml of M6162 + 242.50000ml of W3112 + 5.00000ml of MP86425 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1344	Hg 7.5 PPB STD	MP86431	07/21/2025	07/22/2025	Mohan Bera	None	None	Sarabjit Jaswal 07/23/2025

FROM 2.50000ml of M6162 + 240.00000ml of W3112 + 7.50000ml of MP86425 = 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
1345	Hg 10.0 PPB STD	MP86432	07/21/2025	07/22/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/23/2025

FROM 2.50000ml of M6162 + 237.50000ml of W3112 + 10.00000ml of MP86425 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1346	Hg ICV SOLUTION	MP86433	07/21/2025	07/22/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/23/2025

FROM 2.50000ml of M6161 + 2.50000ml of M6162 + 245.00000ml 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
1351	ICB (Hg 0.00 PPB SOLUTION)	MP86434	07/21/2025	07/22/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/23/2025

FROM 2.50000ml of M6162 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1358	CCV (Hg 5.0 PPB SOLUTION)	MP86435	07/21/2025	07/22/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/23/2025

FROM 485.00000ml of W3112 + 5.00000ml of M6162 + 10.00000ml of MP86425 = 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
1352	CCB (Hg 0.00 PPB SOLUTION)	MP86436	07/21/2025	07/22/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/23/2025

FROM 495.00000ml of W3112 + 5.00000ml of M6162 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1349	CRA/CRI (Hg 0.2 PPB SOLUTION)	MP86437	07/21/2025	07/22/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 07/23/2025

FROM 2.50000ml of M6162 + 247.30000ml of W3112 + 0.20000ml of MP86425 = 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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3880	M&B SPIKE-1	MP86442	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 5.00000ml of M5471 + 5.00000ml of M5658 + 5.00000ml of M5798 + 5.00000ml of M5800 + 5.00000ml of M5961 + 5.00000ml of M5962 + 5.00000ml of M5981 + 5.00000ml of M6021 + 5.00000ml of M6023 + 5.00000ml of M6028 + 5.00000ml of M6030 + 5.00000ml of M6079 + 5.00000ml of M6160 + 35.00000ml of MP86441 = Final Quantity: 100.000 ml

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	MP86443	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 10.00000ml of M5942 + 10.00000ml of M5977 + 12.50000ml of M5519 + 12.50000ml of M5811 + 12.50000ml of M6032 + 2.50000ml of M5799 + 2.50000ml of M6137 + 5.00000ml of M6159 + 32.50000ml of MP86441 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3882	M&B SPIKE-3	MP86444	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 0.62500ml of M6026 + 12.50000ml of M5751 + 12.50000ml of M6128 + 12.50000ml of M6145 + 11.87500ml of MP86441 = Final Quantity: 50.000 ml

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	MP86445	07/18/2025	08/08/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/23/2025

FROM 6.25000ml of M6086 + 6.25000ml of M6127 + 6.25000ml of M6144 + 6.25000ml of MP86441 = Final Quantity: 25.000 ml

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

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)	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

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

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)	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

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

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)	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

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

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)	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

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

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
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

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

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
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

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

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	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

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

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
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 / jaswal	07/25/2019 / manojkumar	M4465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3227-05 / Potassium Permanganate (2.5kg)	210800	03/31/2026	11/30/2022 / mohan	07/28/2021 / mohan	M4916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	MSHG-10PPM / MERCURY HCl 125mL 10ug/mL	S2-HG709270	09/22/2026	05/28/2022 / mohan	01/27/2022 / mohan	M5062

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	03/07/2025 / JANVI	04/01/2022 / jaswal	M5305

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	082922	08/29/2025	04/14/2025 / jaswal	03/16/2023 / jaswal	M5471

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 #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

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.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	122223	12/22/2026	04/17/2025 / Janvi	01/03/2024 / jaswal	M5805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	051523	05/15/2026	02/06/2025 / kareem	01/03/2024 / jaswal	M5811

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

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.	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

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

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.	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

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

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.	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

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

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-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

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

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	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 #
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

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)	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

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

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	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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

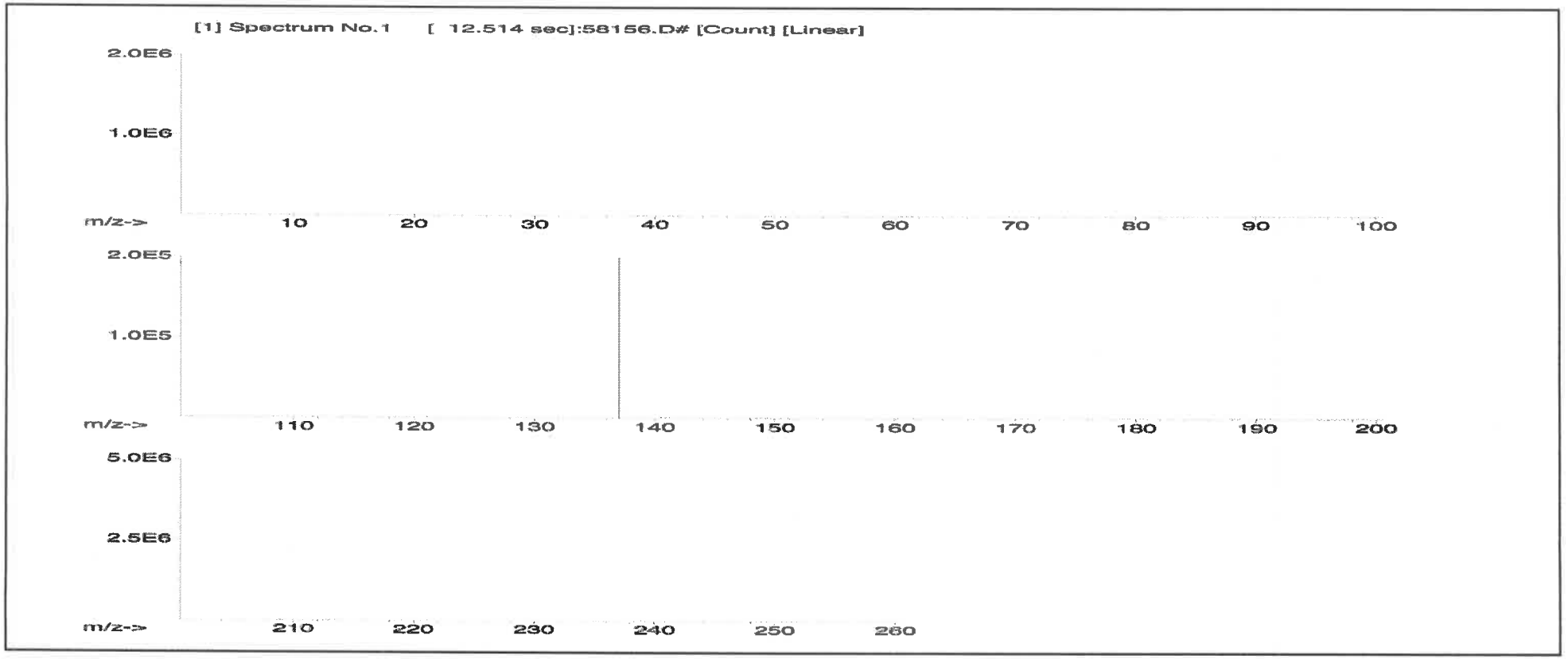
R 8/5/24

CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Solvent:**	24002546	Nitric Acid
Lot Number:	**010924**				
Description:	**Barium (Ba)**			2%	40.0 (mL) Nitric Acid
Expiration Date:	010927				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

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



1001 of 1133
Q2638-METALS

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 Number: 122223
Description: Calcium (Ca)

Expiration Date: 122226
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 4000.0 0.06 Flask Uncertainty

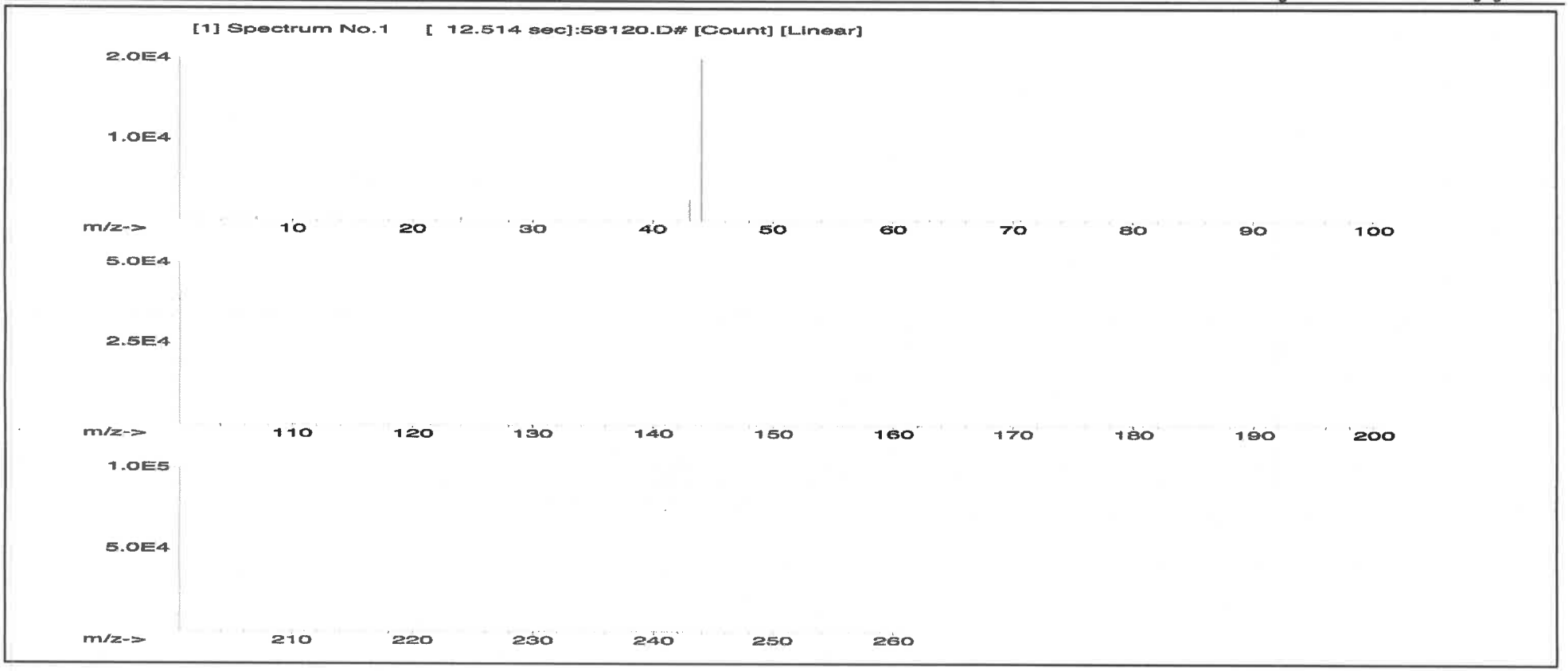
	Lot #		
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	

5E-05 Balance 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 M6085/M6086/M6087

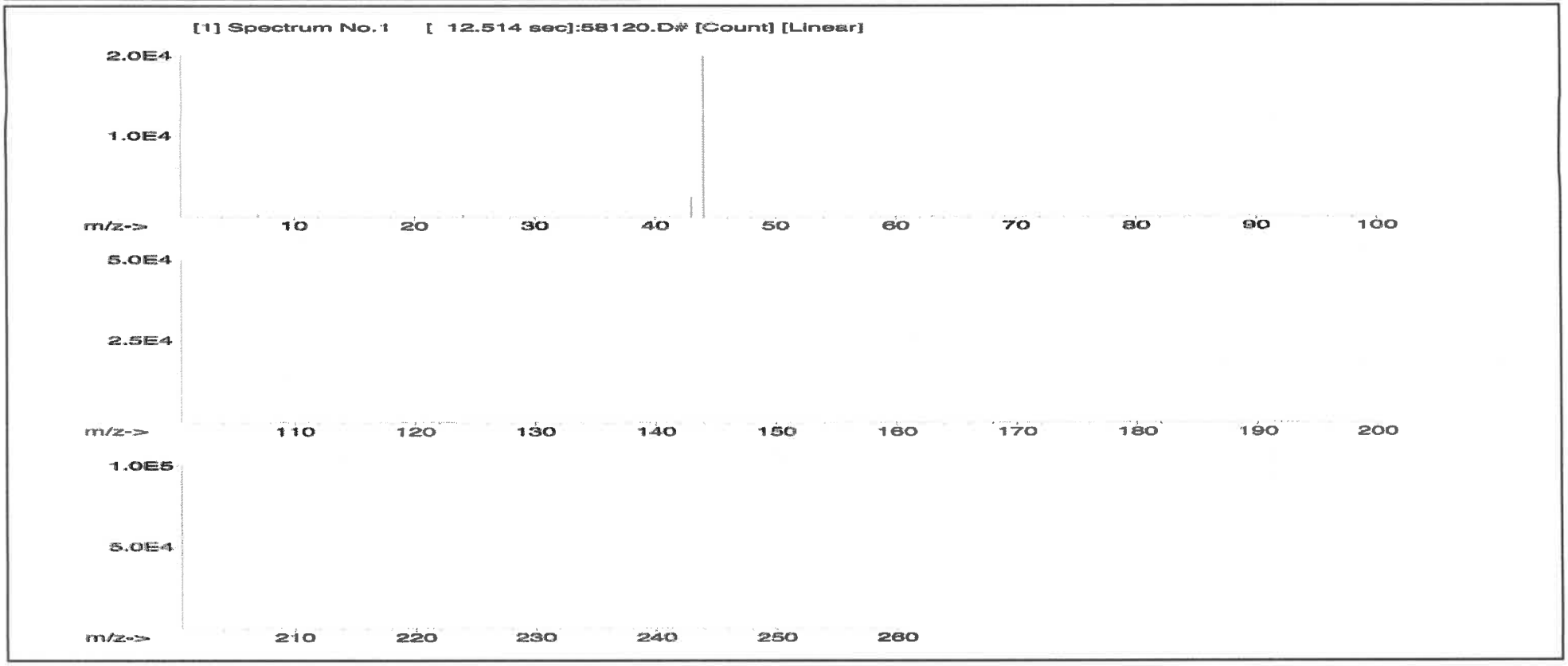
CERTIFIED WEIGHT REPORT:

Part Number:	**58120**		**Solvent:**	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			

Lot #

Giovanni Esposito		
Formulated By:	Giovanni Esposito	082324
Pedro Rentas		
Reviewed By:	Pedro L. Rentas	082324

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	CAD03203B3	10000	99.999	0.10	39.9	100.2537	100.2656	**10001.2**	**20.0**	471-34-1	5 mg/m3	ori-rat >2000mg/kg	3109a



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 8/15/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

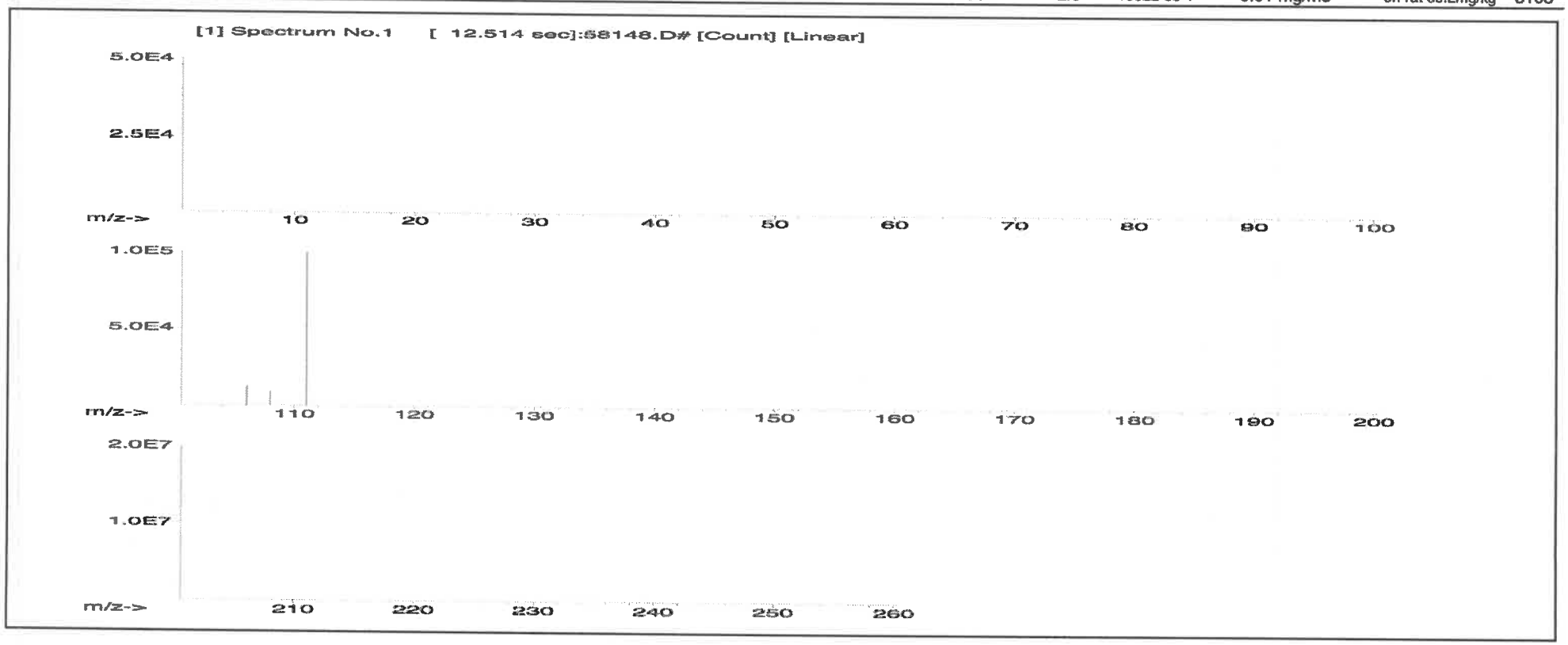
CERTIFIED WEIGHT REPORT:

Part Number:	**57048**			**Lot #**	
Lot Number:	**070124**		**Solvent:**	24002546	Nitric Acid
Description:	**Cadmium (Cd)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
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:

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 : 01/03/24. M5810, M5811

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 051523
Description: Iron (Fe)

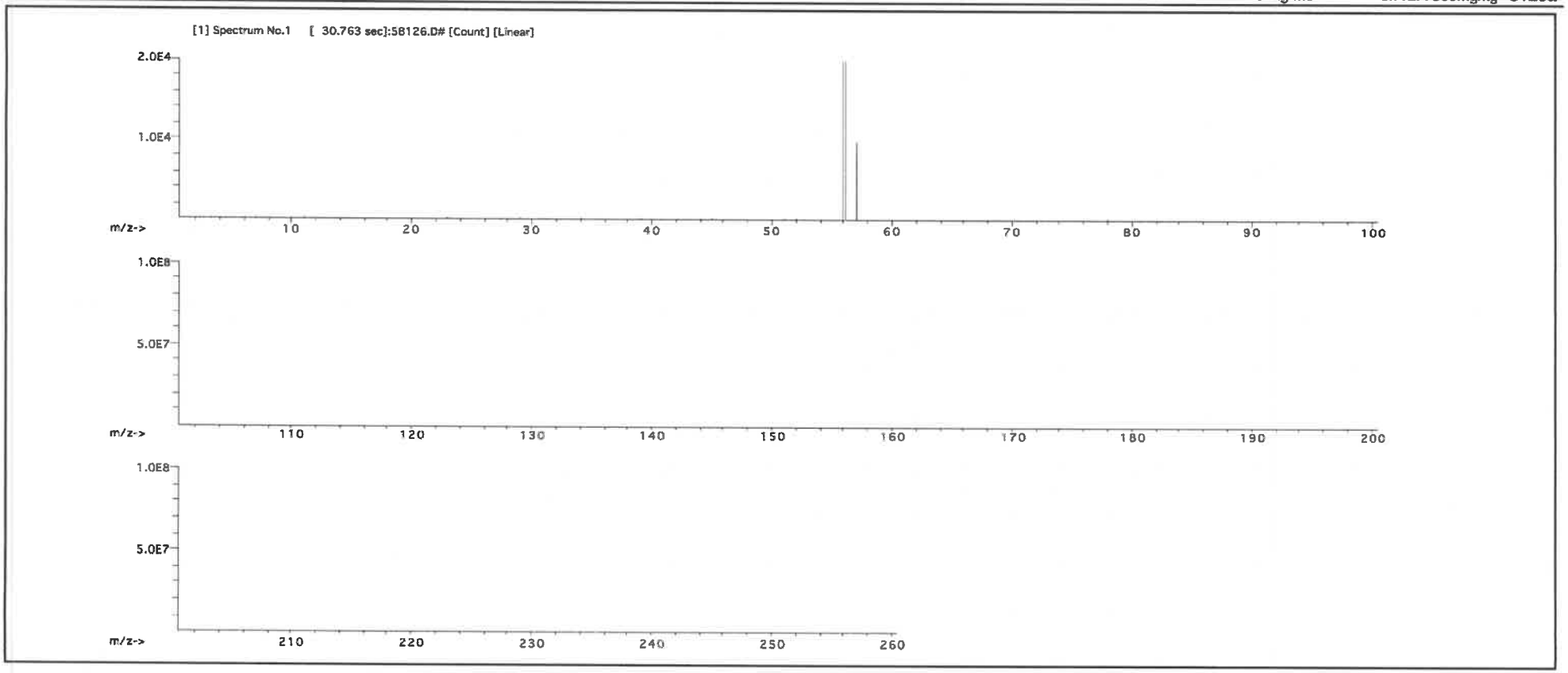
Expiration Date: 051526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 5000.1

	Lot #		
Solvent:	21110221	Nitric Acid	
5.0%	250.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
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

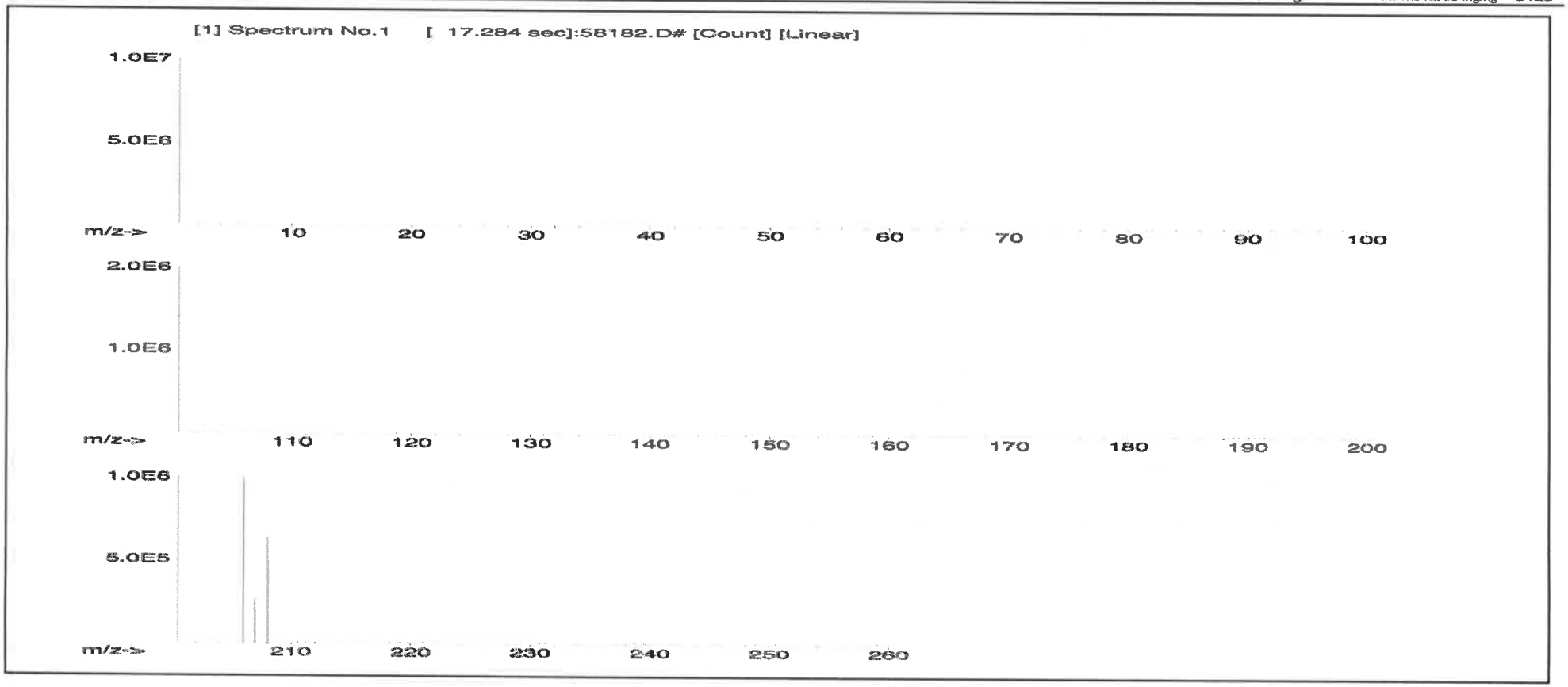
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	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



1011 of 1133
Q2638-METALS

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:

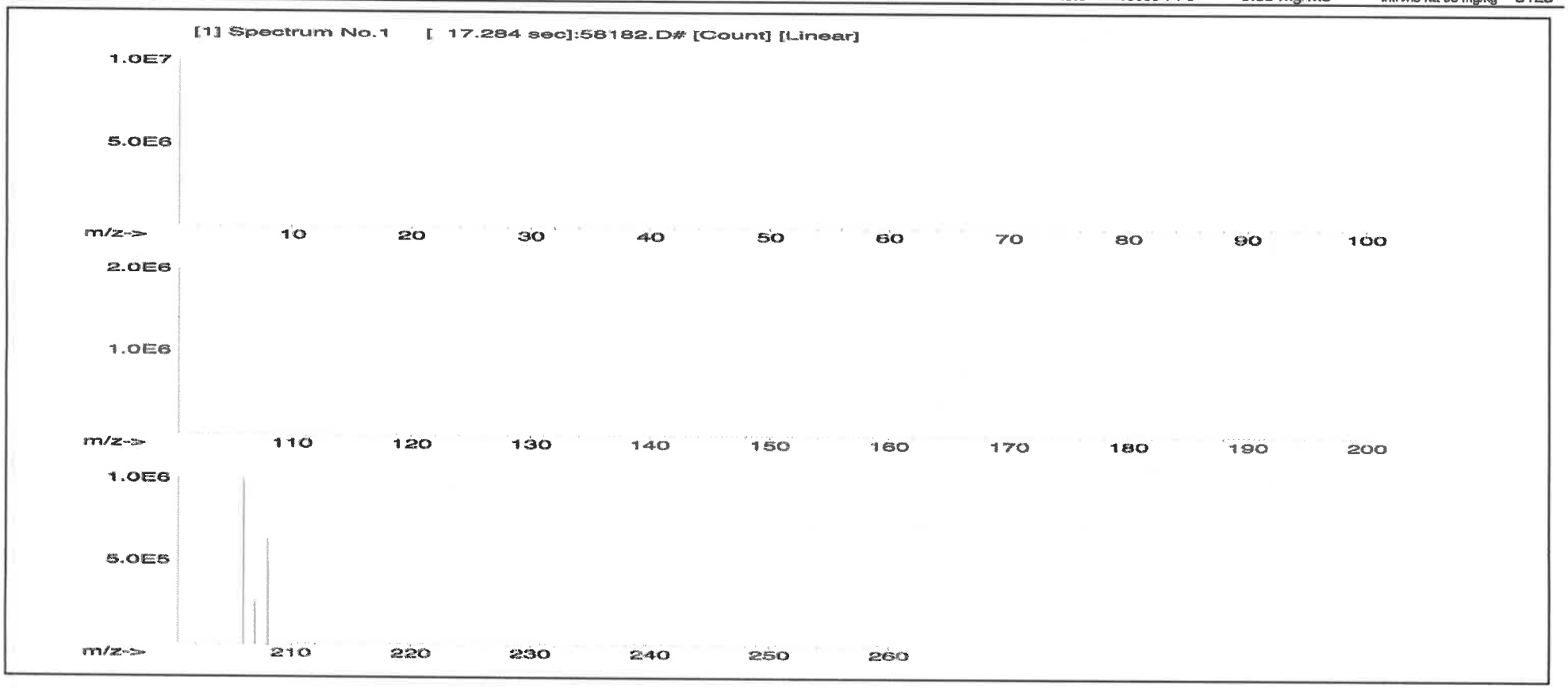
Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

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 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 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

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)

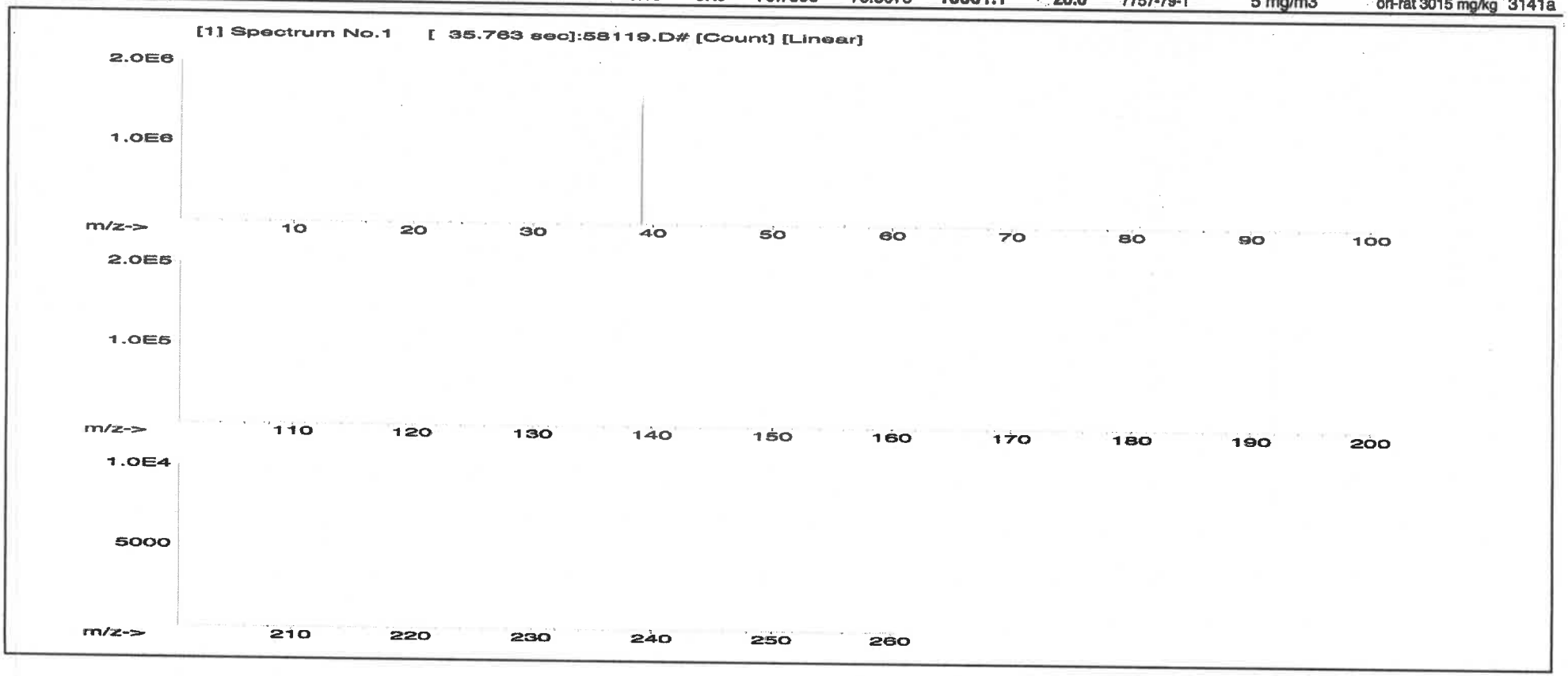
Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.06	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	120822
Reviewed By:	Pedro L. Rentas	120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



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

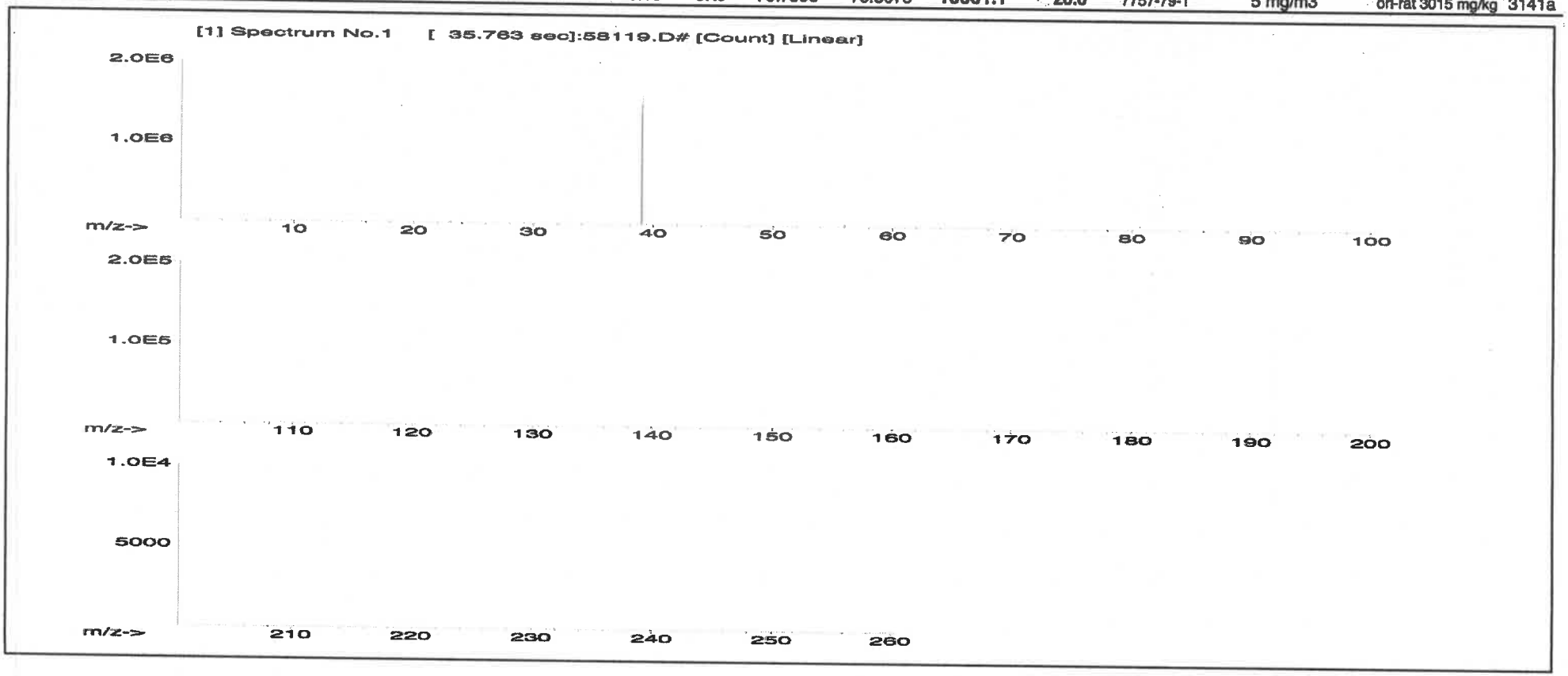
		Lot #	
Solvent:	20510011		Nitric Acid
	2%	60.0 (mL)	Nitric Acid

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

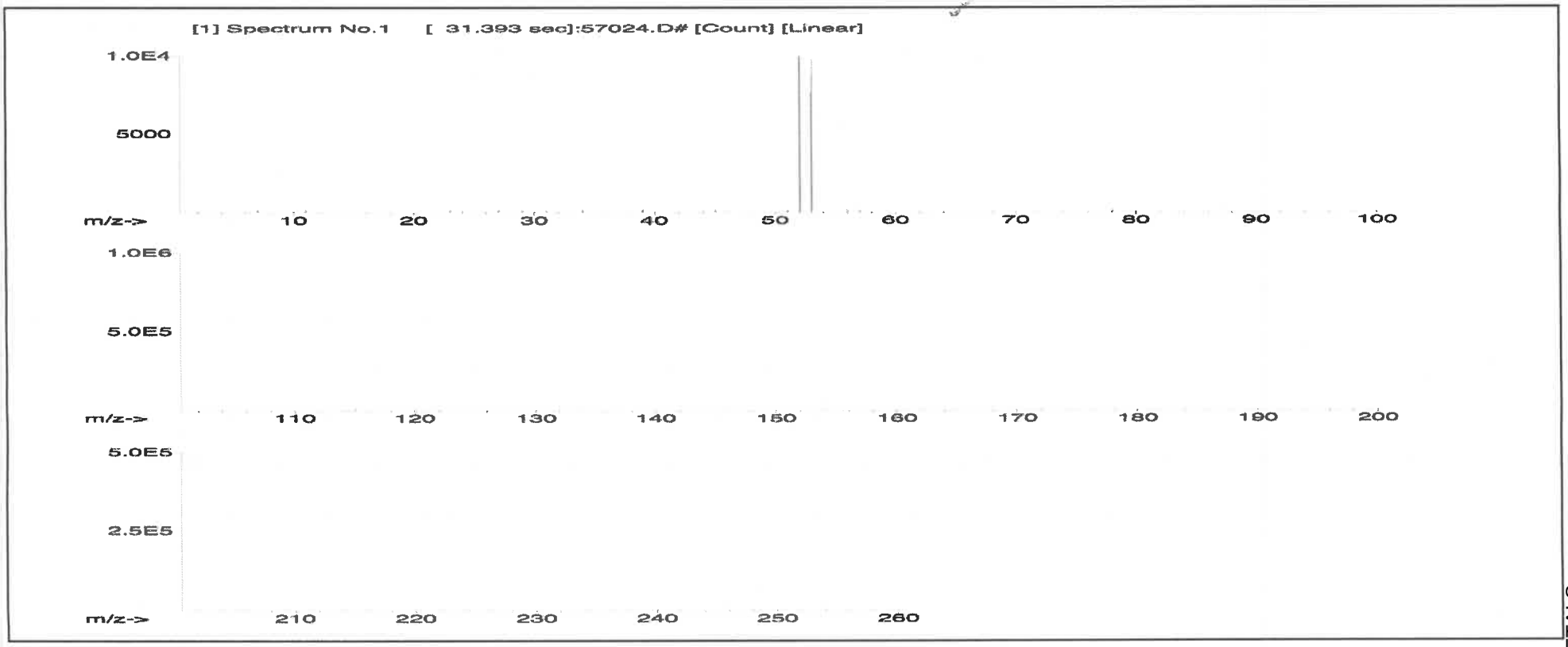
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

R: 8/25/23 M5751

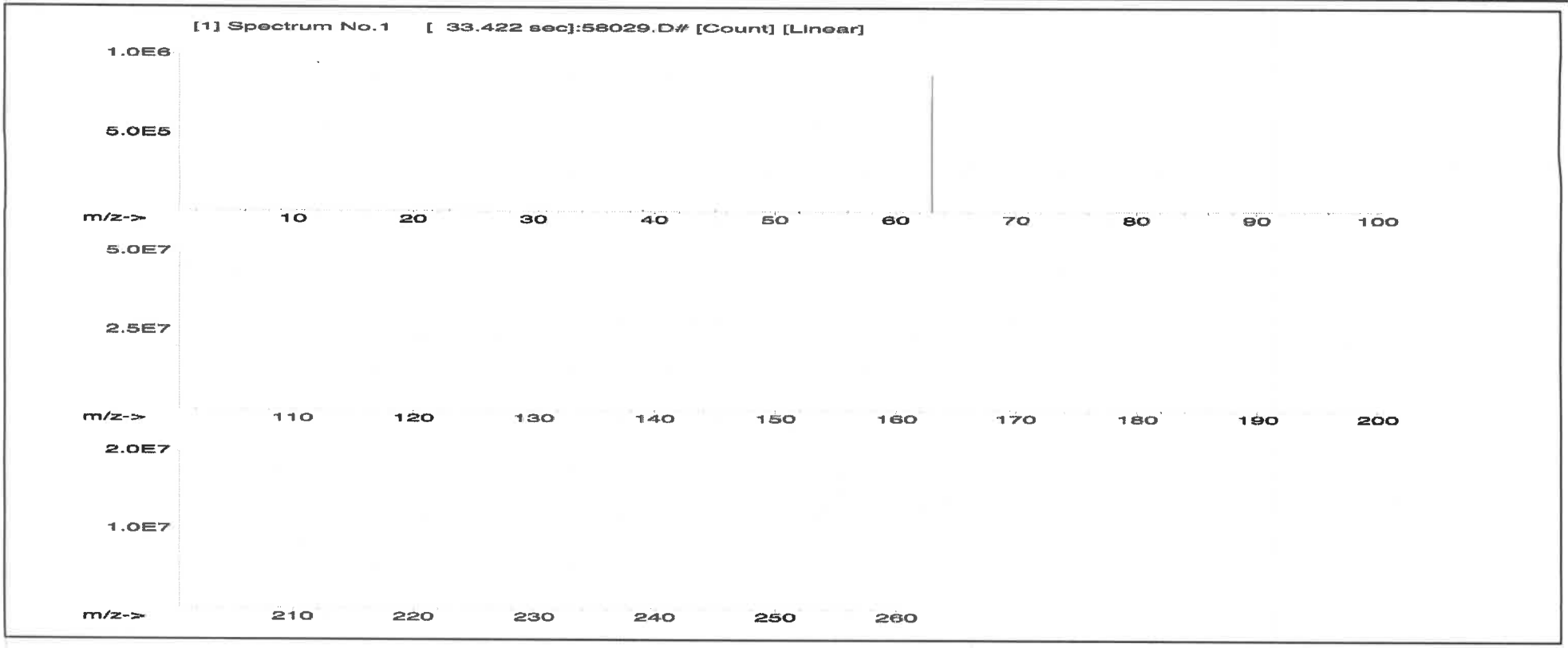
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**58029**		**Lot #**	**Solvent:**	
Lot Number:	**071723**		21110221	Nitric Acid	
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



1031 of 1133
Q2638-METALS

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:

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 M5798

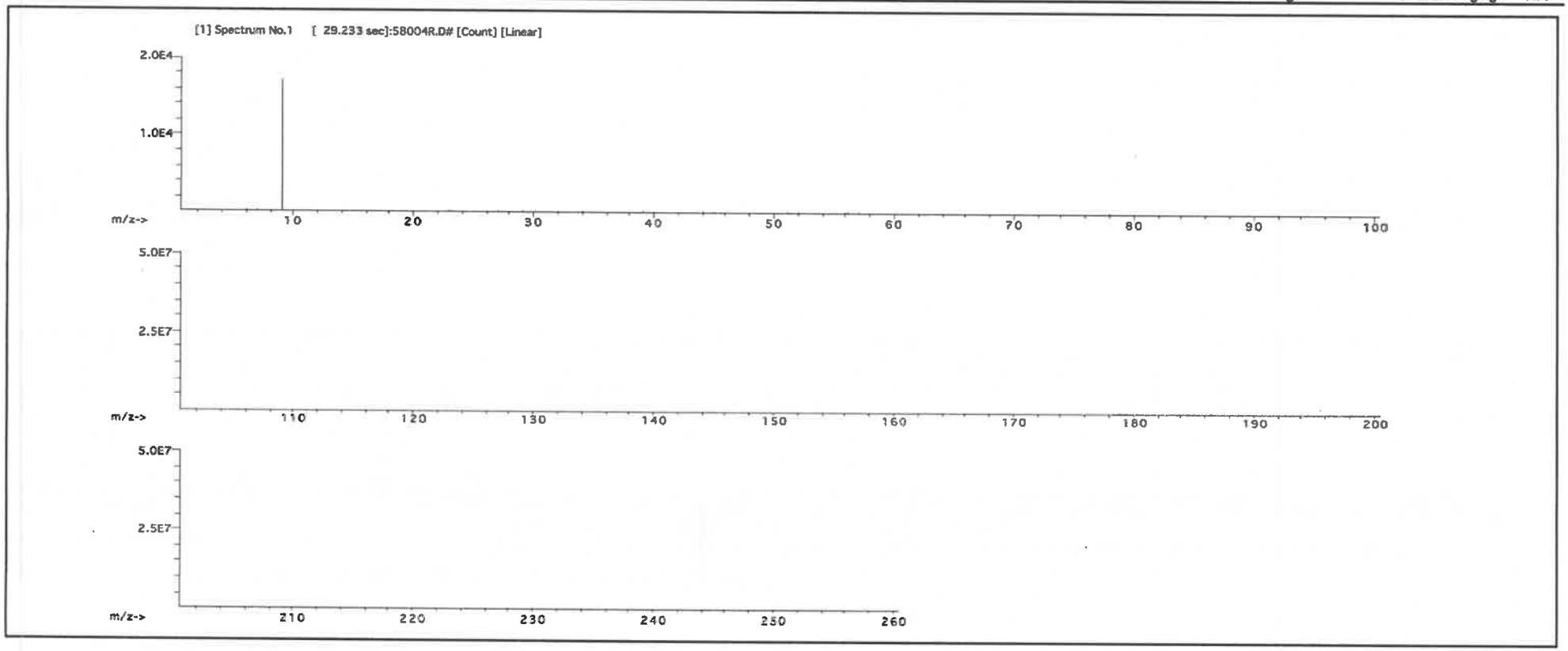
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57004**	24002546	Nitric Acid	
Lot Number:	**102523**			
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	102526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Q12638-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

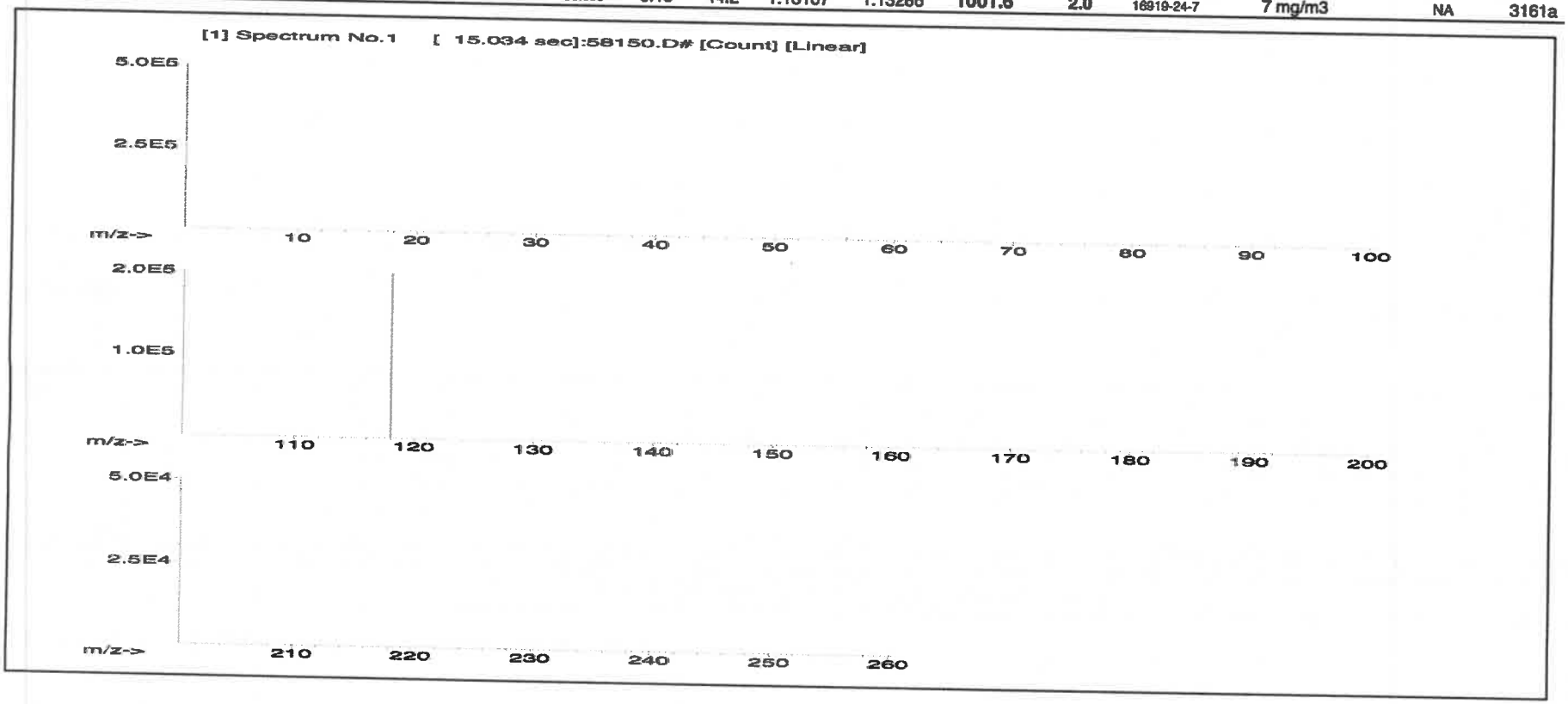
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

	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

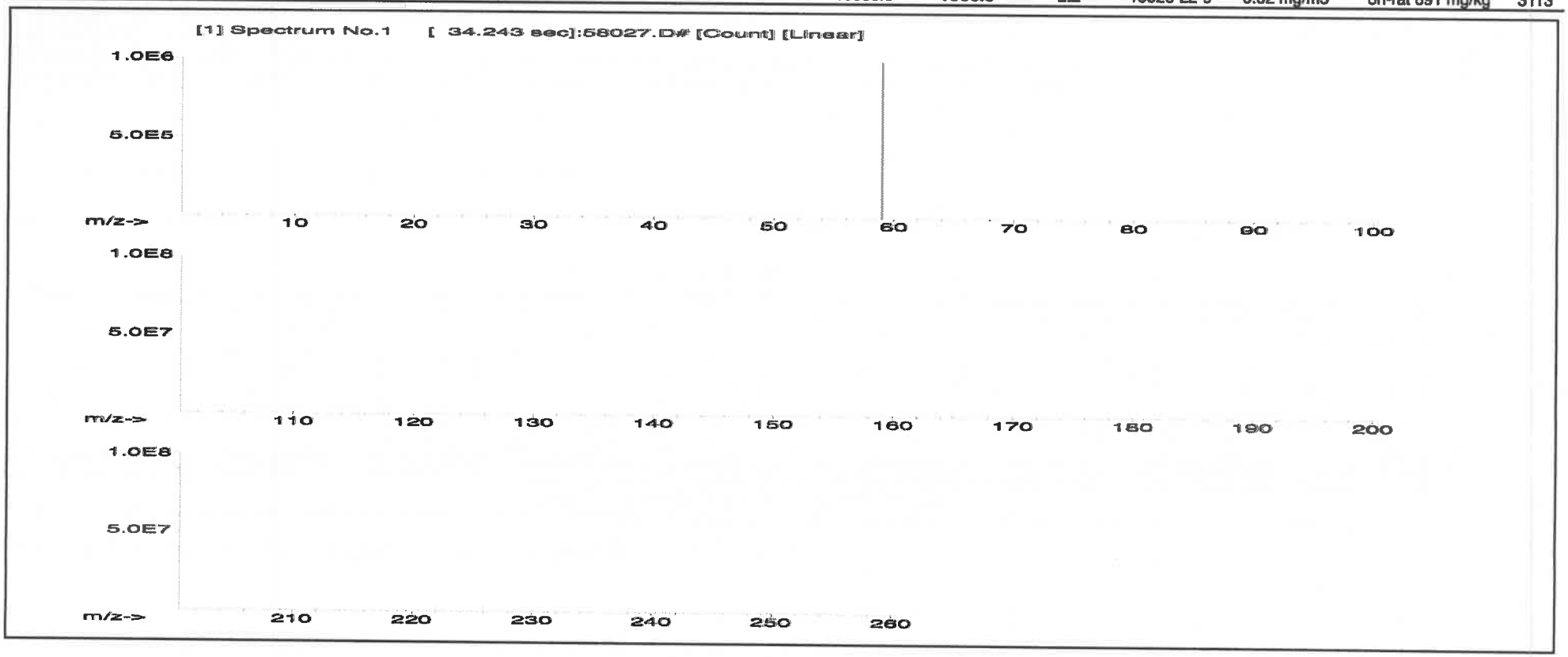
CERTIFIED WEIGHT REPORT:

		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

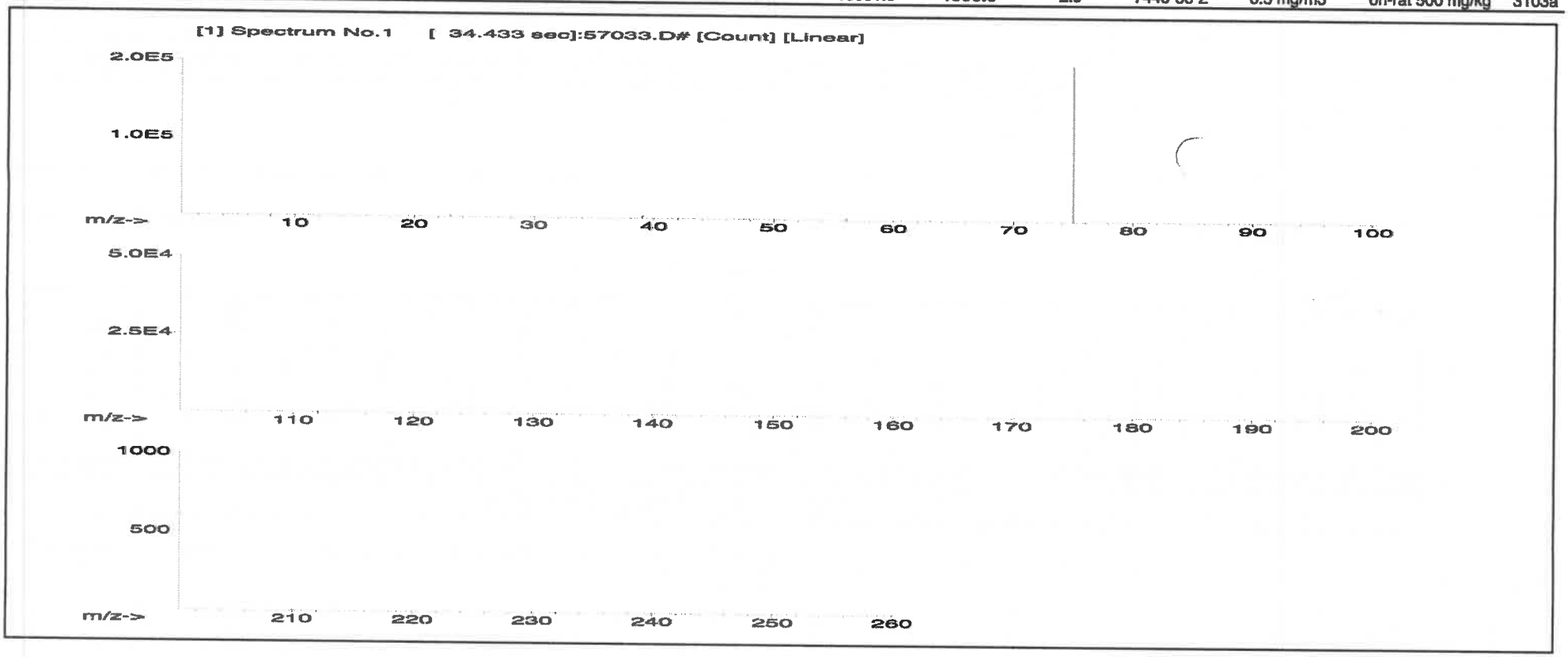
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**				
Lot Number:	**111323**	24002546	Nitric Acid		
Description:	**Arsenic (As)**				
		2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	2.0	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



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. M58165

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57115
Lot Number: 041723
Description: Phosphorous (P)

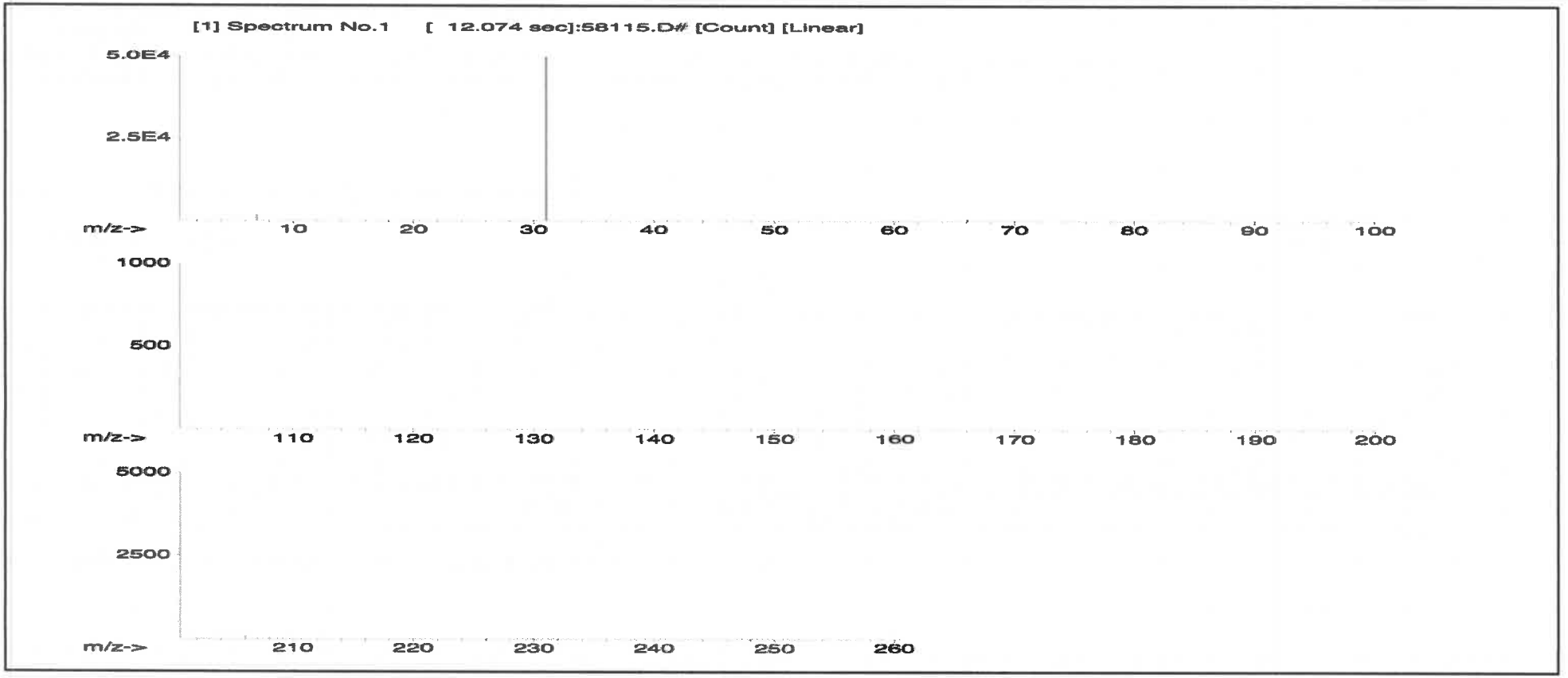
Expiration Date: 041726
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

	Lot #	
Solvent:	21110221	Nitric Acid
2%	40.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



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:

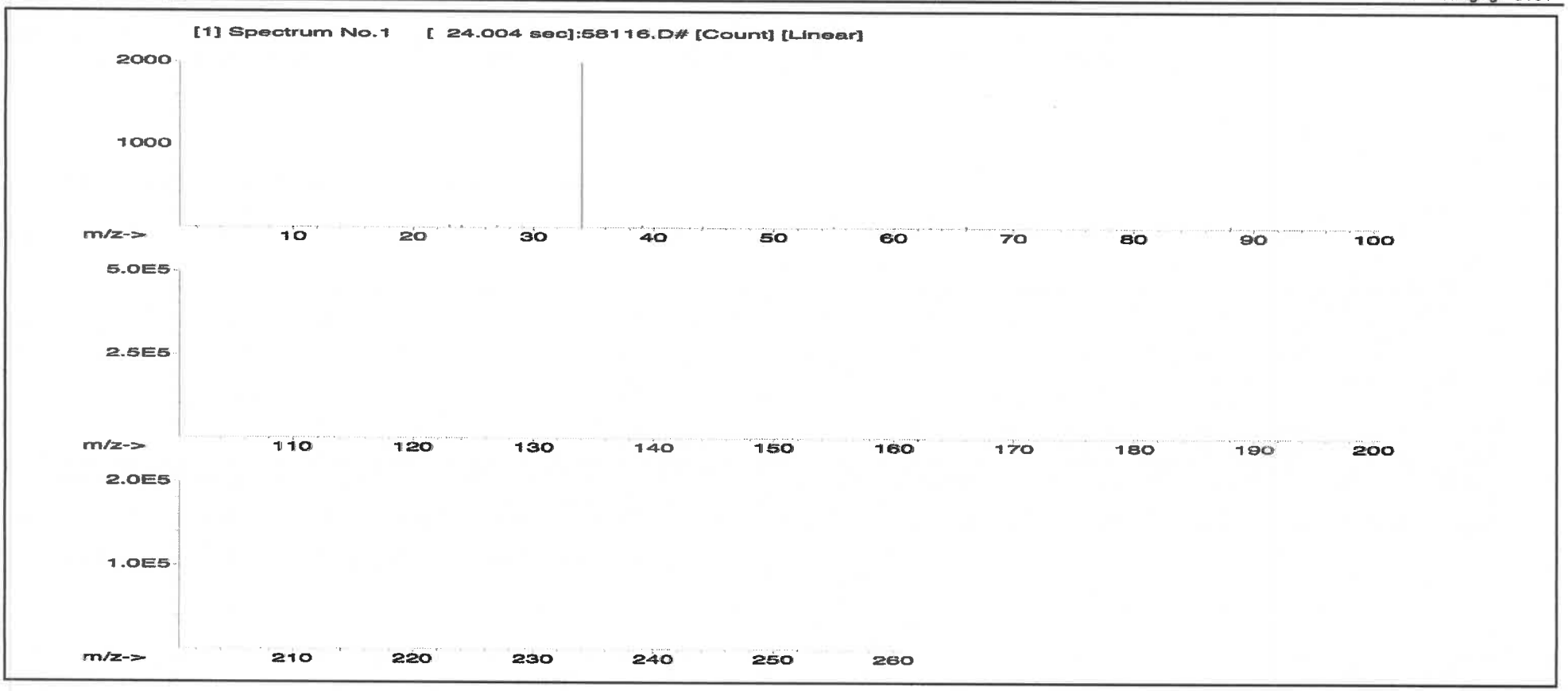
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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:

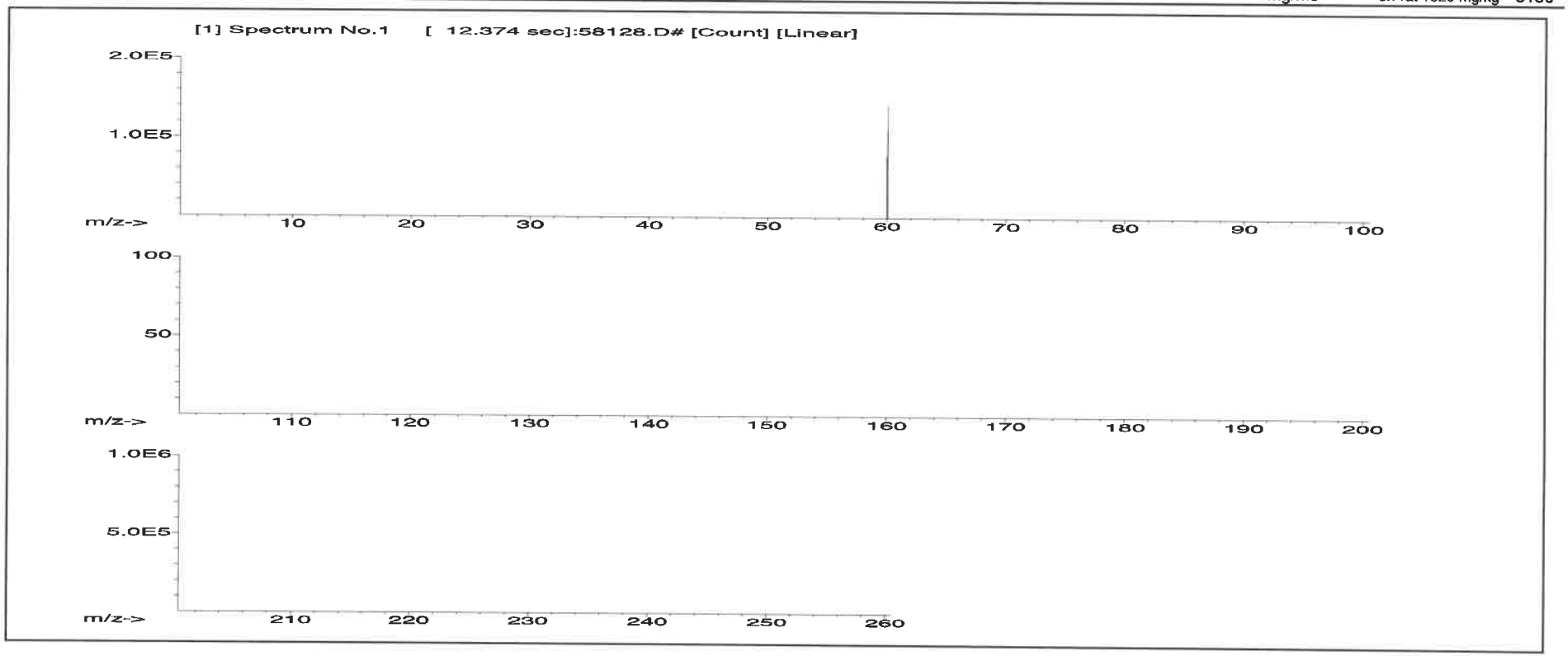
Part Number: 57028
Lot Number: 041124
Description: Nickel (Ni)

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:

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

M5961 R: 6/11/24

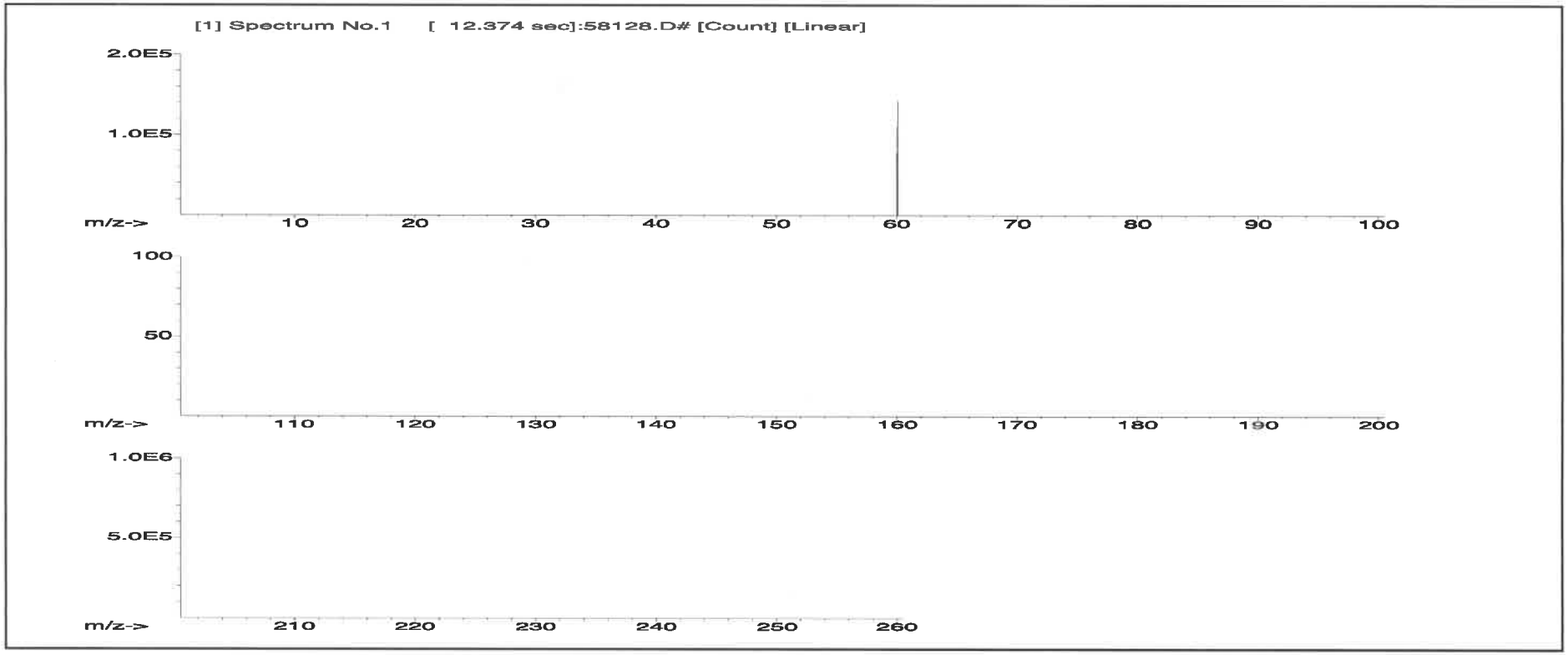
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #		
Part Number:	**57028**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**041124**			
Description:	**Nickel (Ni)**		2% 5.0 (mL)	Nitric Acid
Expiration Date:	041127			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05 Balance Uncertainty		
Weight shown below was diluted to (mL):	249.85	0.002 Flask Uncertainty		

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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.

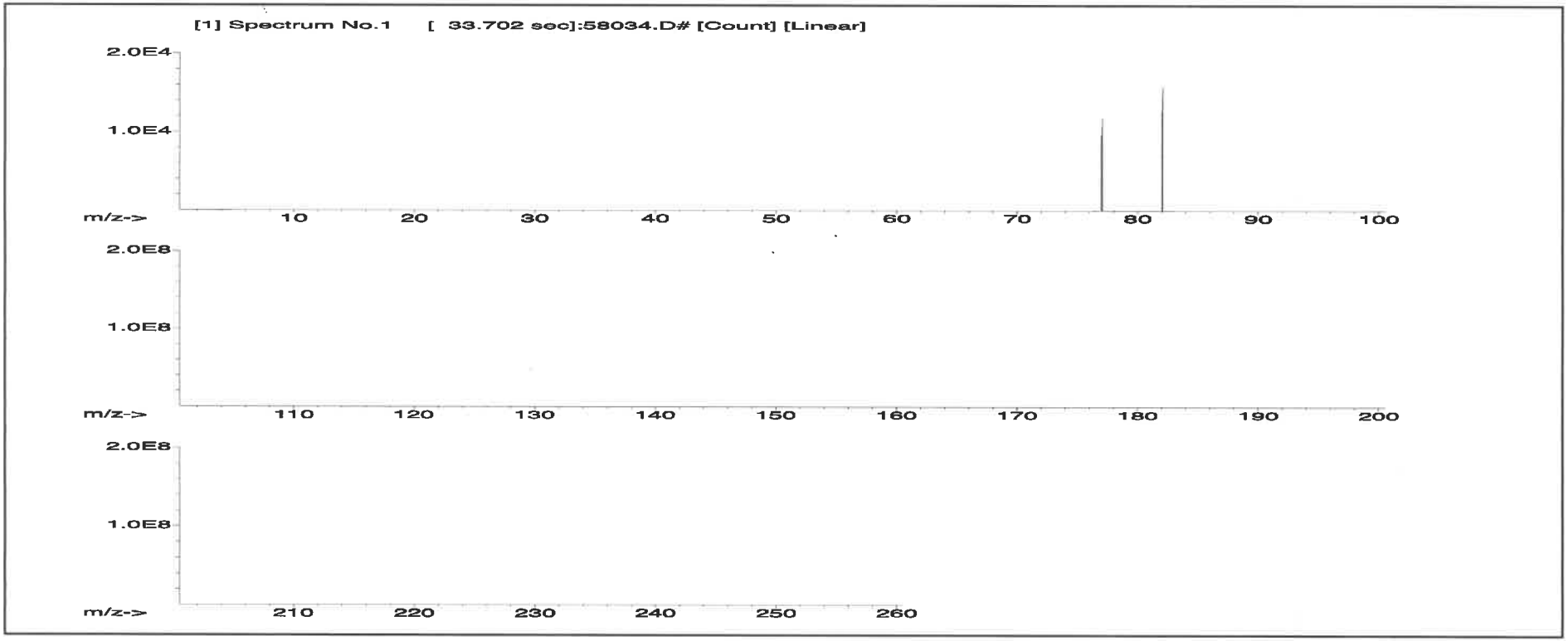
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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		

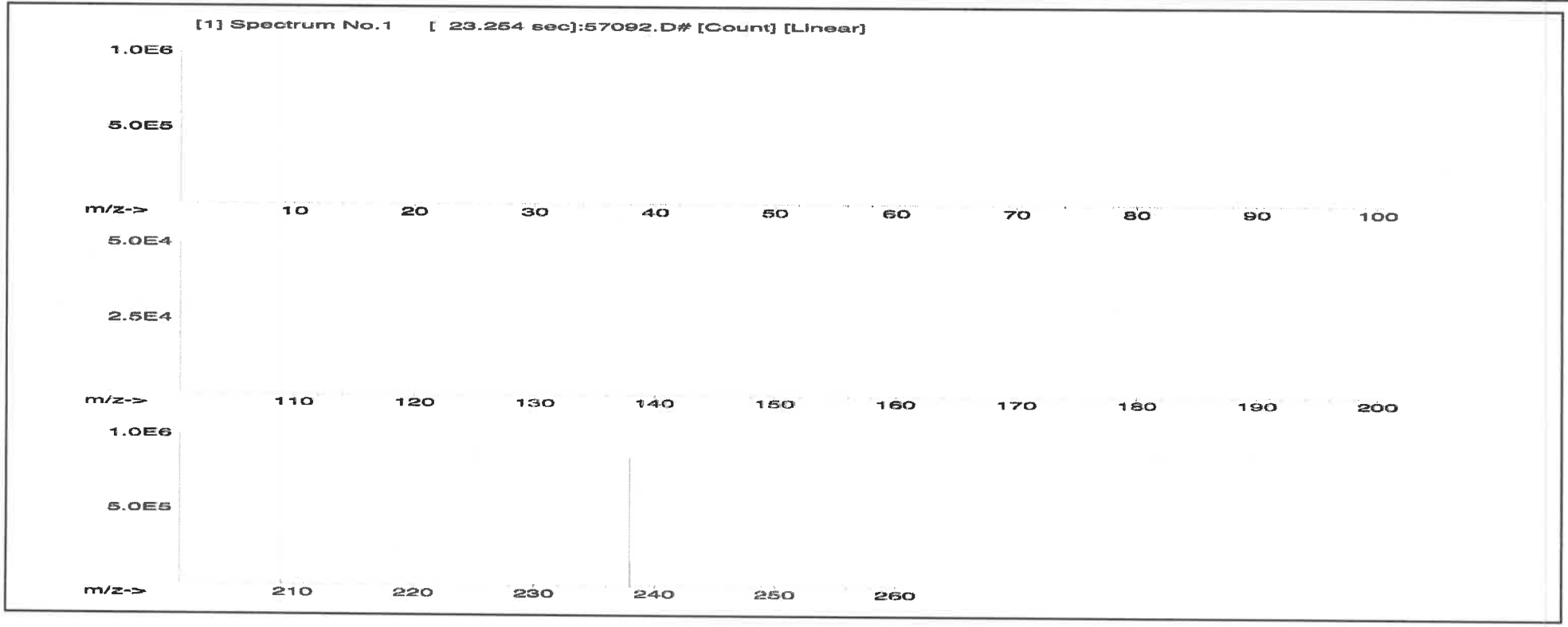
Giovanni Esposito

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



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	T
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

M6079 R: 9/30/24

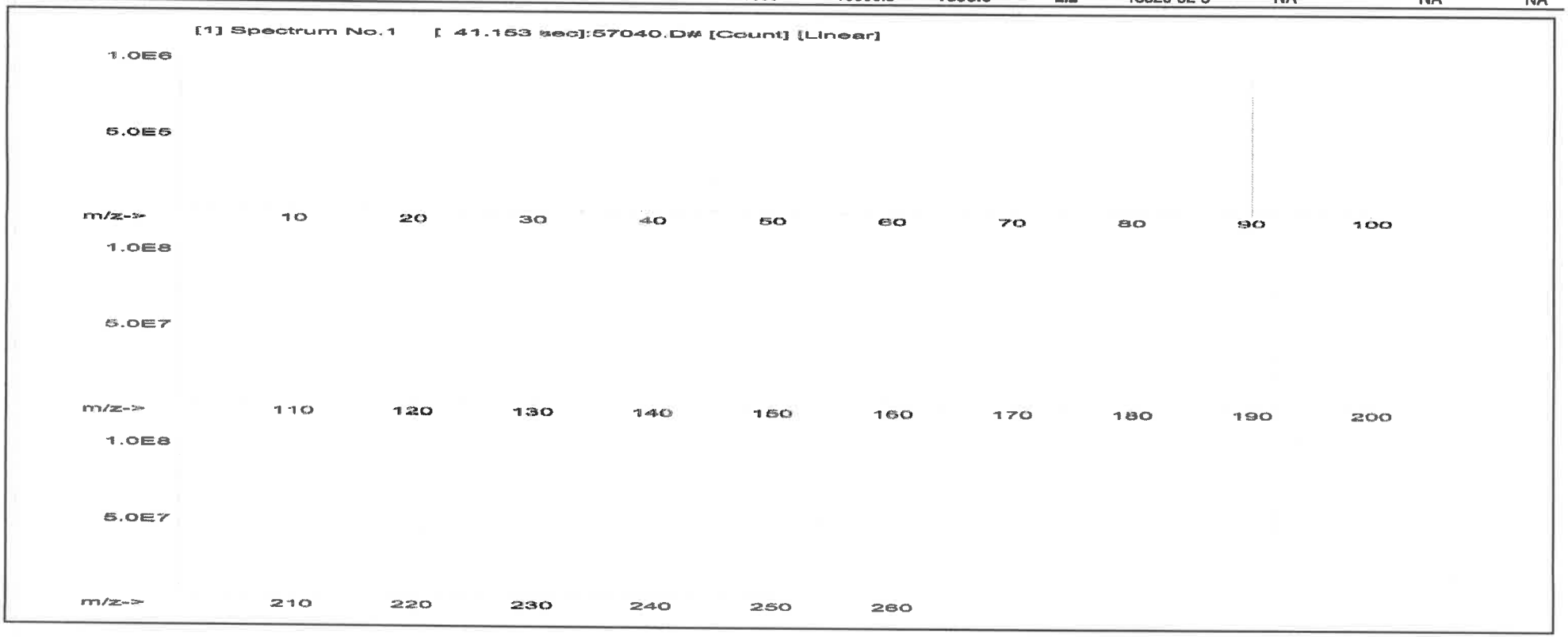
CERTIFIED WEIGHT REPORT:

Part Number:	**57040**
Lot Number:	**071423**
Description:	**Zirconium (Zr)**
Expiration Date:	071426
Recommended Storage:	Ambient (20 °C)
Nominal Concentration (µg/mL):	**1000**
NIST Test Number:	6UTB
Volume shown below was diluted to (mL):	2000.02

Lot #	Solvent:		
21110221	Nitric Acid		
2.0%	40.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
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:

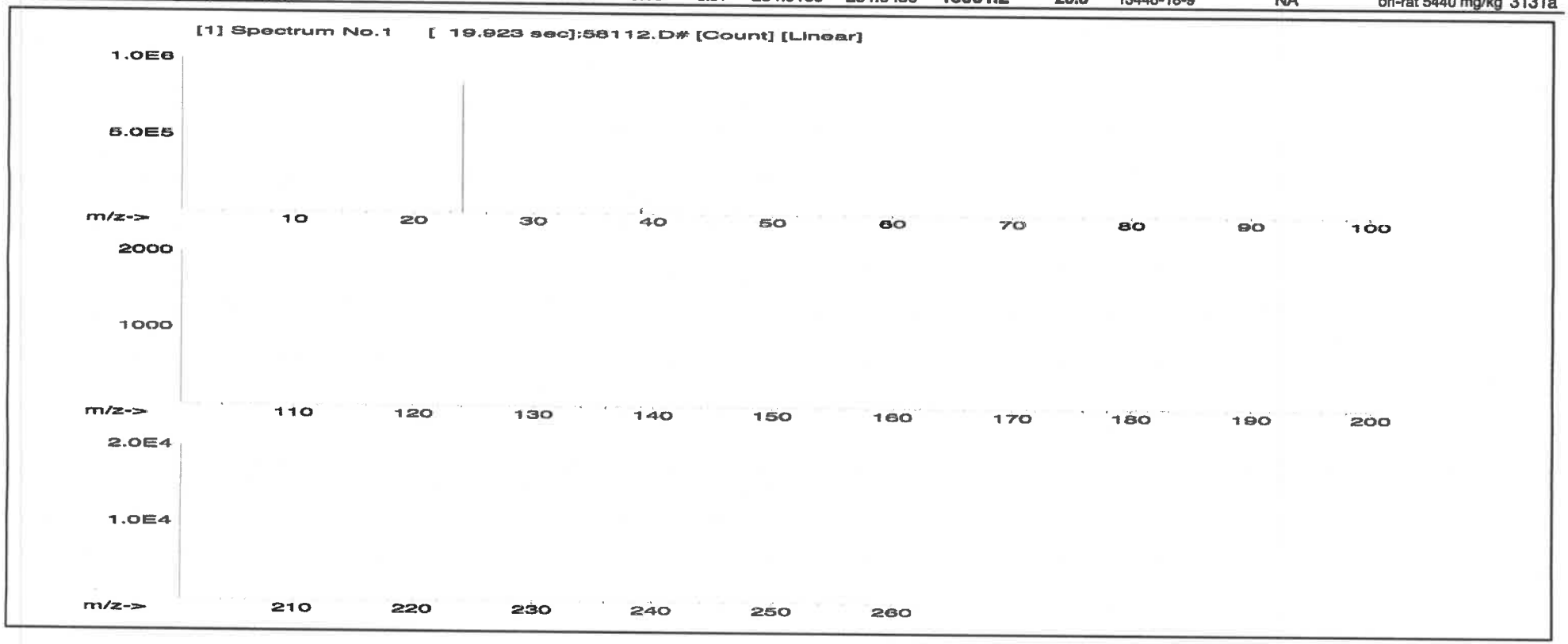
R -> 1/13/25
M 6127

Part Number:	**58112**		**Solvent:**	**Lot #** 24012496	Nitric Acid
Lot Number:	**112124**				
Description:	**Magnesium (Mg)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	112127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	112124
Reviewed By:	Pedro L. Rentas	112124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9183	234.9459	**10001.2**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



1070 of 1133
Q2638-METALS

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:

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
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	

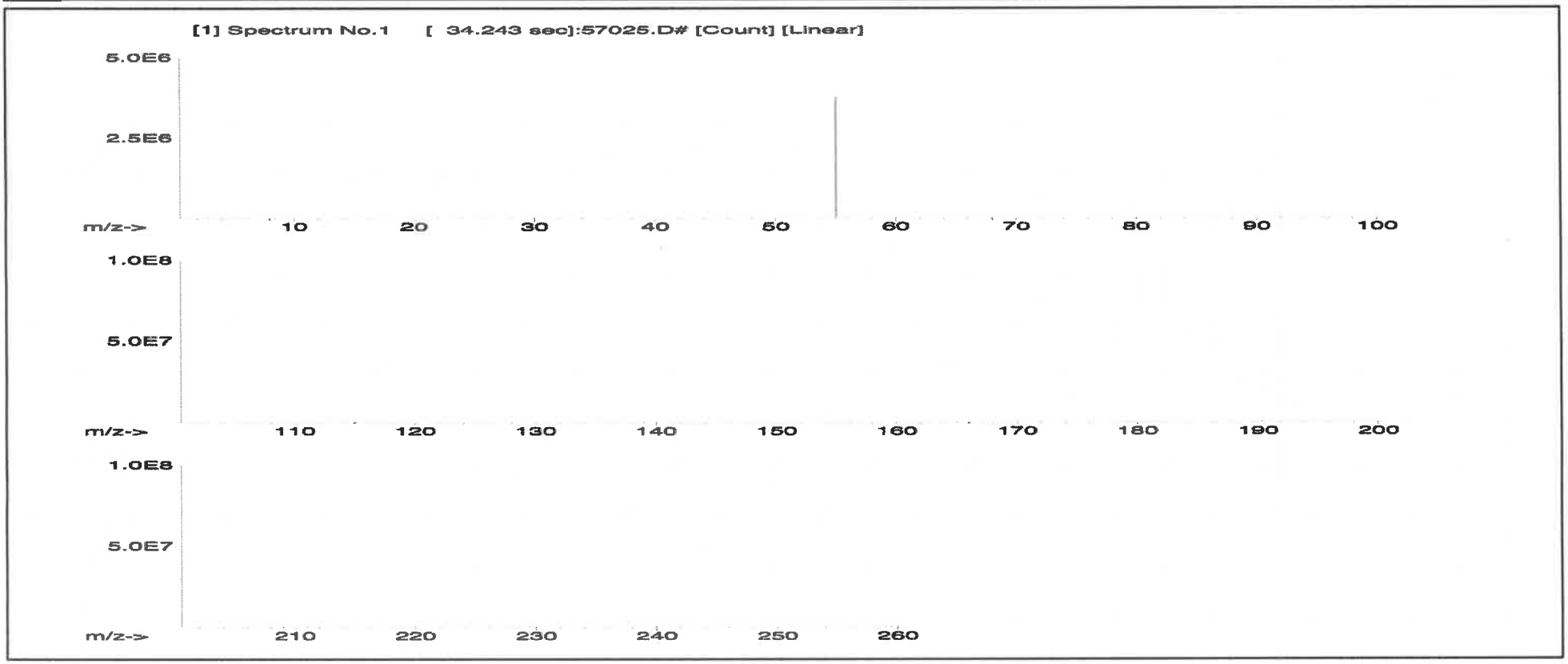
Giovanni Esposito

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:

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

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

M6137 R→10/3/24

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSI1
Lot Number:	V2-SI744713
Matrix:	tr. HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Silicon
Starting Material:	Silica
Starting Material Lot#:	1771
Starting Material Purity:	99.9981%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 999 ± 6 µg/mL

Density: 1.003 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **999 ± 5 µg/mL**
ICP Assay NIST SRM Traceable to 3150 Lot Number: S2-SI702546

Assay Method #2 **1000 ± 7 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000310	M	Eu	<	0.000310	O	Na		0.001656	M	Se	<	0.022000	M	Zn	<	0.002500
M	Al		0.010787	M	Fe	<	0.027000	M	Nb	<	0.001300	s	Si	<		O	Zr	<	0.001900
M	As	<	0.001900	M	Ga	<	0.001300	M	Nd	<	0.000310	M	Sm	<	0.000310				
M	Au	<	0.000910	M	Gd	<	0.000310	M	Ni	<	0.005500	M	Sn		0.000096				
M	B		0.016180	M	Ge	<	0.001900	M	Os	<	0.000610	O	Sr		0.000092				
M	Ba		0.000096	M	Hf		0.000423	i	P	<		M	Ta		0.002542				
O	Be	<	0.000570	M	Hg	<	0.000610	M	Pb	<	0.000310	M	Tb	<	0.000310				
M	Bi	<	0.000310	M	Ho	<	0.000610	M	Pd	<	0.000610	M	Te	<	0.000910				
O	Ca		0.011557	M	In	<	0.000310	M	Pr	<	0.000310	M	Th	<	0.001900				
M	Cd	<	0.000310	M	Ir	<	0.000310	M	Pt	<	0.000310	M	Ti		0.001078				
M	Ce	<	0.000610	O	K		0.000577	M	Rb	<	0.009100	M	Tl	<	0.000310				
M	Co	<	0.001600	M	La	<	0.000310	M	Re	<	0.000310	M	Tm	<	0.000310				
M	Cr	<	0.010000	O	Li	<	0.000460	M	Rh	<	0.000310	M	U	<	0.000310				
M	Cs	<	0.000310	M	Lu	<	0.000310	M	Ru	<	0.000310	O	V	<	0.001300				
M	Cu	<	0.002500	O	Mg		0.001348	O	S	<	0.570000	M	W	<	0.001900				
M	Dy	<	0.000310	M	Mn	<	0.002500	M	Sb	<	0.000310	M	Y	<	0.000310				
M	Er	<	0.000310	M	Mo	<	0.000310	O	Sc	<	0.000590	M	Yb	<	0.000310				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 28.09 +4 6 Si(OH)x(F)y2-

Chemical Compatibility -Soluble in HCl, HF, H3PO4 H2SO4 and HNO3 as the Si(OH)x(F)y2-. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths, or high levels of transition elements unless they are fluorinated. Stable with most inorganic anions with a tendency to hydrolyze forming silicic acid (silicic acid is soluble up to ∼100 ppm in water) in all dilute acids except HF.

Stability - 2-100 ppb levels - stability unknown - (alone or mixed with all other metals) as the Si(OH)x(F)y2-. 1-10,000 ppm single element solutions as the Si(OH)x(F)y2- chemically stable for years in 2-5 % HNO3 / trace HF in a LDPE container.

Si Containing Samples (Preparation and Solution) -Metal (Soluble in 1:1:1 H2O / HF / HNO3); Oxide - SiO2, amorphic (dissolve by heating in 1:1:1 H2O / HF / HNO3); Oxide - quartz (fuse in Pt0 with Na2CO3); Geological Samples(fuse in Pt0with Na2CO3 followed by HCl solution of the fuseate); Organic Matrices containing silicates and non volatile silicon compounds (dry ash at 4500C in Pt0 and dissolve by gently warming with 1:1:1 H2O / HF / H2SO4 or fuse / ash with Na2CO3 and dissolve fuseate with HCl / H2O); Silicone Oils - dimethyl silicones depolymerize to form volatile monomer units when heated (Measure directly in alcoholic KOH / xylene mixture where sample is treated first with the KOH at 60-1000C to "unzip" the Si- O-Si polymeric structure or digest with conc. H2SO4 / H2O2 followed by cooling and dissolution of the dehydrated silica with HF.) Note that the direct analysis of silicone oils in an organic solvent will result in false high results due to high vapor pressure of volatile monomer units like hexamethylcyclotrisiloxane. The KOH forms the K2+Si(CH3)2O= salt which is not volatile at room temperature.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 28 amu	4000 - 8000 ppt	N/A	N2, 12C16O
ICP-OES 212.412 nm	0.02/0.01 µg/mL	1	Hf, Os, Mo, Ta
ICP-OES 251.611 nm	0.012/0.003 µg/mL	1	Ta, U, Zn, Th
ICP-OES 288.158 nm	0.03/0.004 µg/mL	1	Ta, Ce, Cr, Cd, Th

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 10, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **July 10, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

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)**	M6141 M6142 M6143	2%	80.0 (mL)	Nitric Acid
Expiration Date:	103027				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05 Balance Uncertainty			
Weight shown below was diluted to (mL):	4000.1	0.15 Flask Uncertainty			

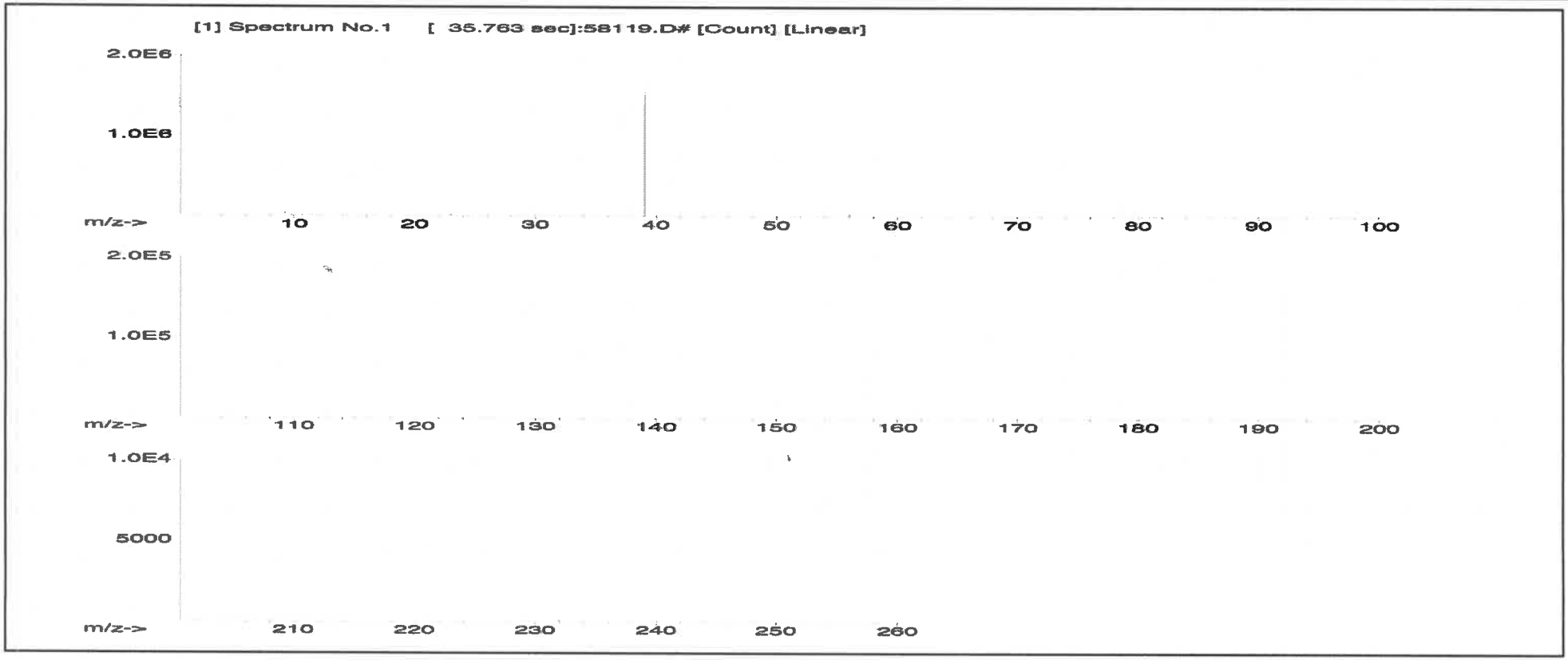
Giovanni Esposito

Formulated By:	Giovanni Esposito	103024

Pedro Rentas

Reviewed By:	Pedro L. Rentas	103024

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD062022A1	10000	99.999	0.10	37.7	106.1040	######	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3750 mg/kg	3141a



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

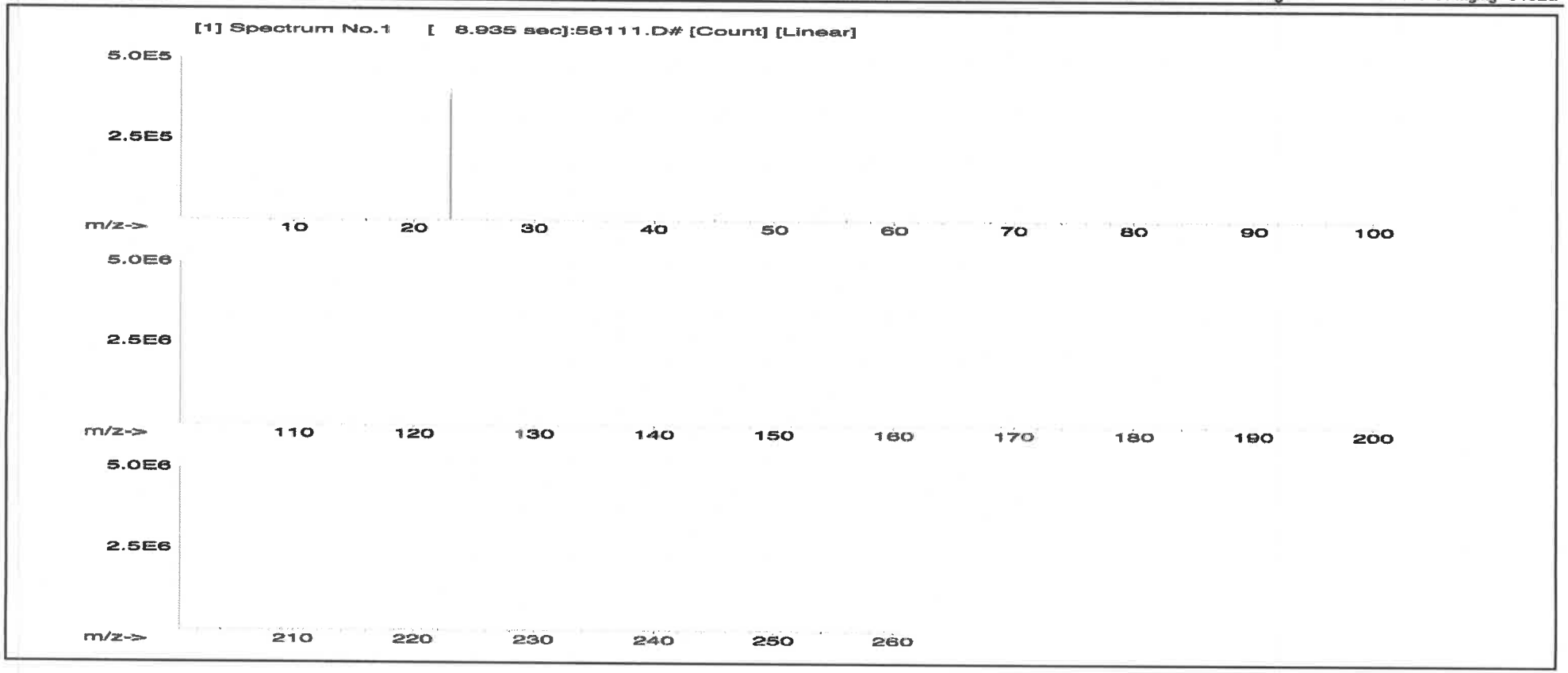
CERTIFIED WEIGHT REPORT:

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

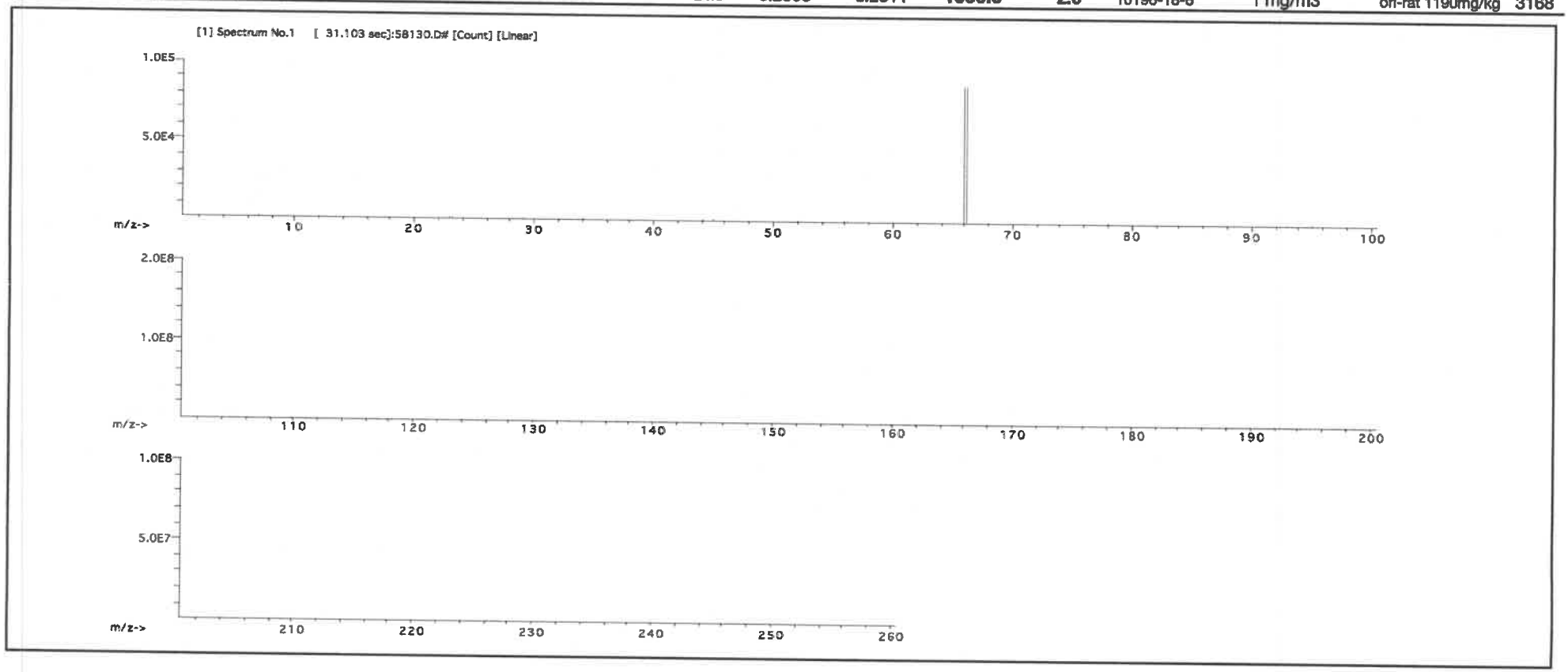
		Lot #	
Solvent:	24012496	Nitric Acid	
	2%	40.0 (mL)	Nitric Acid

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).

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, Bioscience Production

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

M-6162

R. Date :- 04/27/2025

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 386 1700

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	QCP-CICV-1
Lot Number:	V2-MEB744107
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 500 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 1 000 µg/mL ea: Aluminum, Barium, 500 µg/mL ea: Iron, 250 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 125 µg/mL ea: Silver, Copper, 100 µg/mL ea: Chromium, 25 µg/mL ea: Beryllium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	1 000 ± 4 µg/mL	Barium, Ba	1 000 ± 6 µg/mL
Beryllium, Be	24.98 ± 0.12 µg/mL	Calcium, Ca	2 500 ± 8 µg/mL
Chromium, Cr	99.9 ± 0.6 µg/mL	Cobalt, Co	250.2 ± 1.2 µg/mL
Copper, Cu	125.0 ± 0.5 µg/mL	Iron, Fe	500.0 ± 2.2 µg/mL
Magnesium, Mg	2 500 ± 11 µg/mL	Manganese, Mn	249.9 ± 1.1 µg/mL
Nickel, Ni	250.0 ± 1.2 µg/mL	Potassium, K	2 500 ± 11 µg/mL
Silver, Ag	125.0 ± 0.6 µg/mL	Sodium, Na	2 500 ± 11 µg/mL
Vanadium, V	250.0 ± 1.1 µg/mL	Zinc, Zn	249.9 ± 1.1 µg/mL

Density: 1.081 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

May 22, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **May 22, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

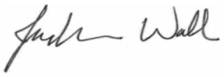
Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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

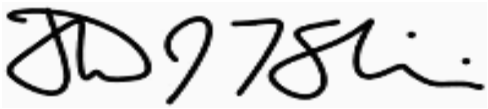
- Sealed TCT Bag Open Date: _____

- 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

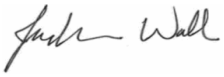
Certificate Prepared By:

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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 03, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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

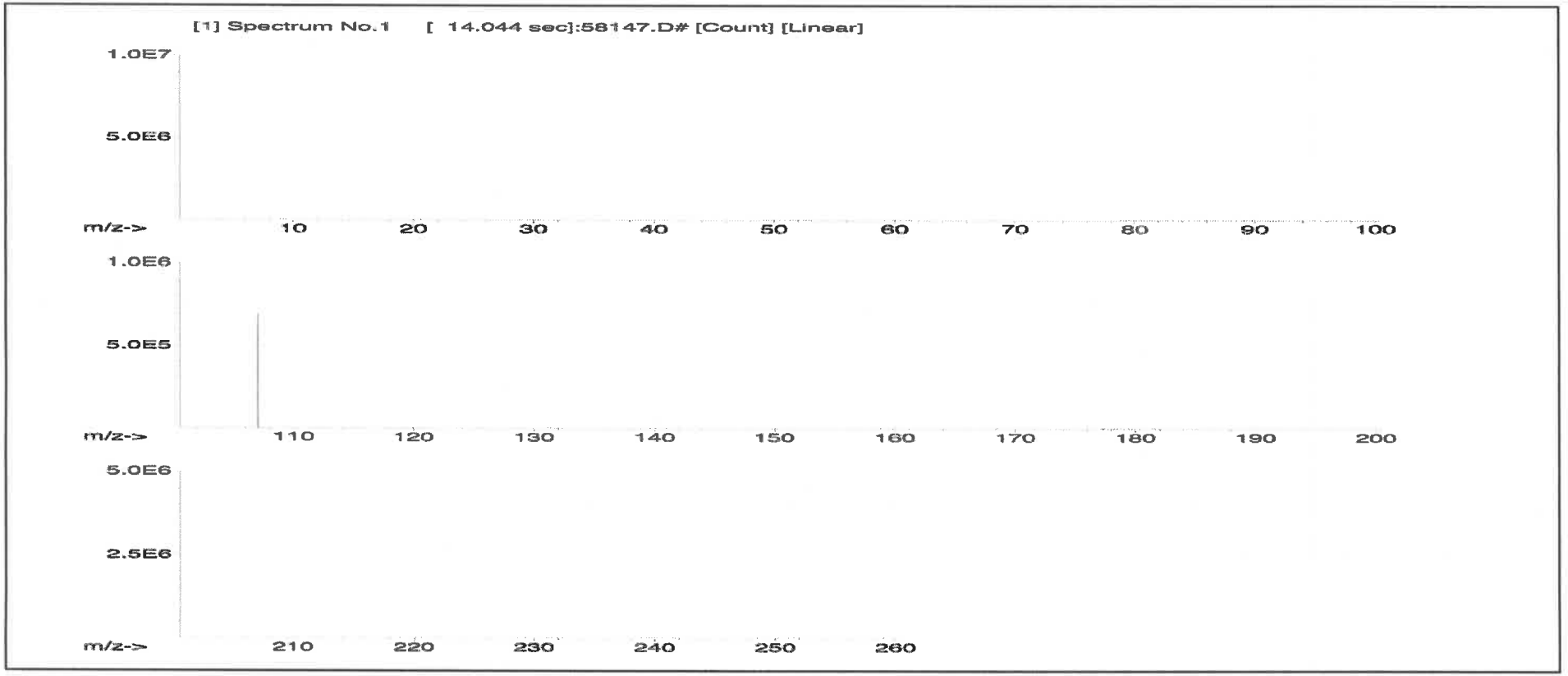
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

	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

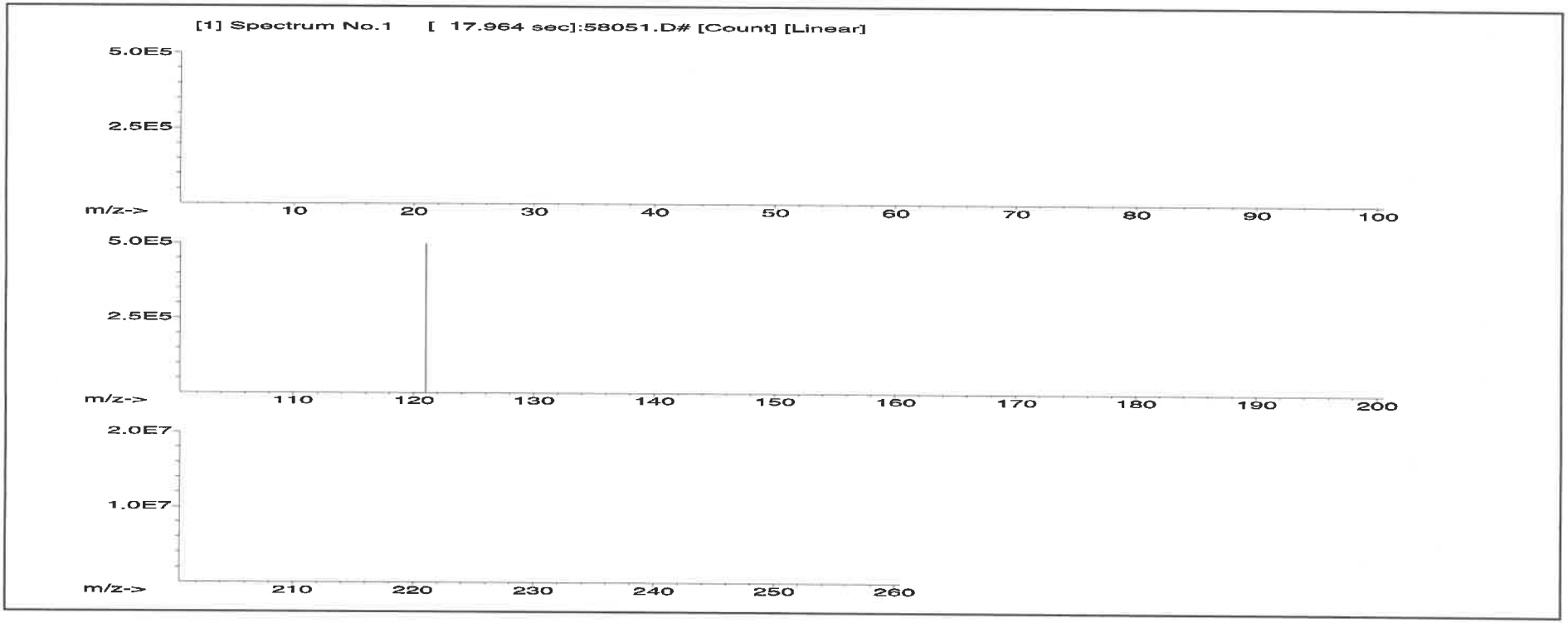
Lot #	Solvent:		
24002546	Nitric Acid		
2.0%	40.0 (mL)	Nitric Acid	

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		

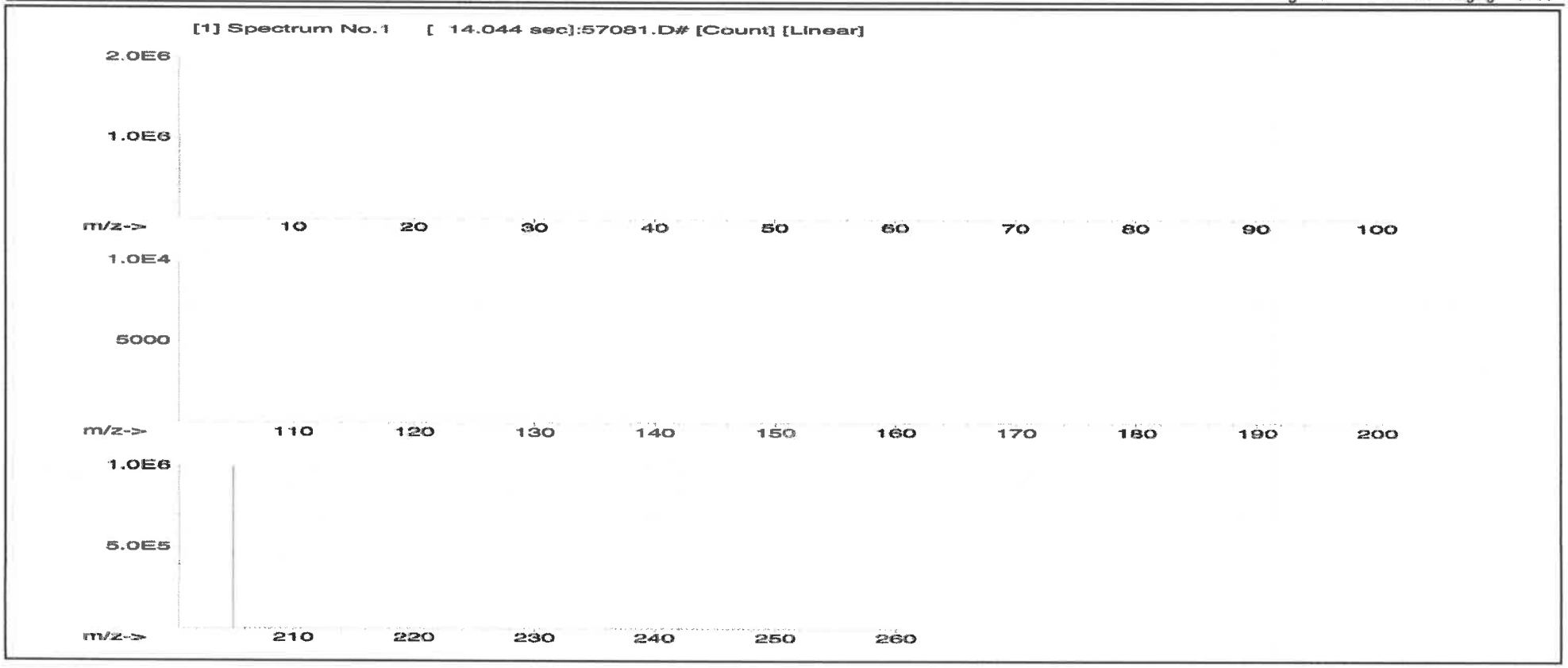
Aleah O'Brady

Formulated By:	Aleah O'Brady	062724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Rc. 8/5/24

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**	24002546	Nitric Acid	
Lot Number:	**062424**			
Description:	**Vanadium (V)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

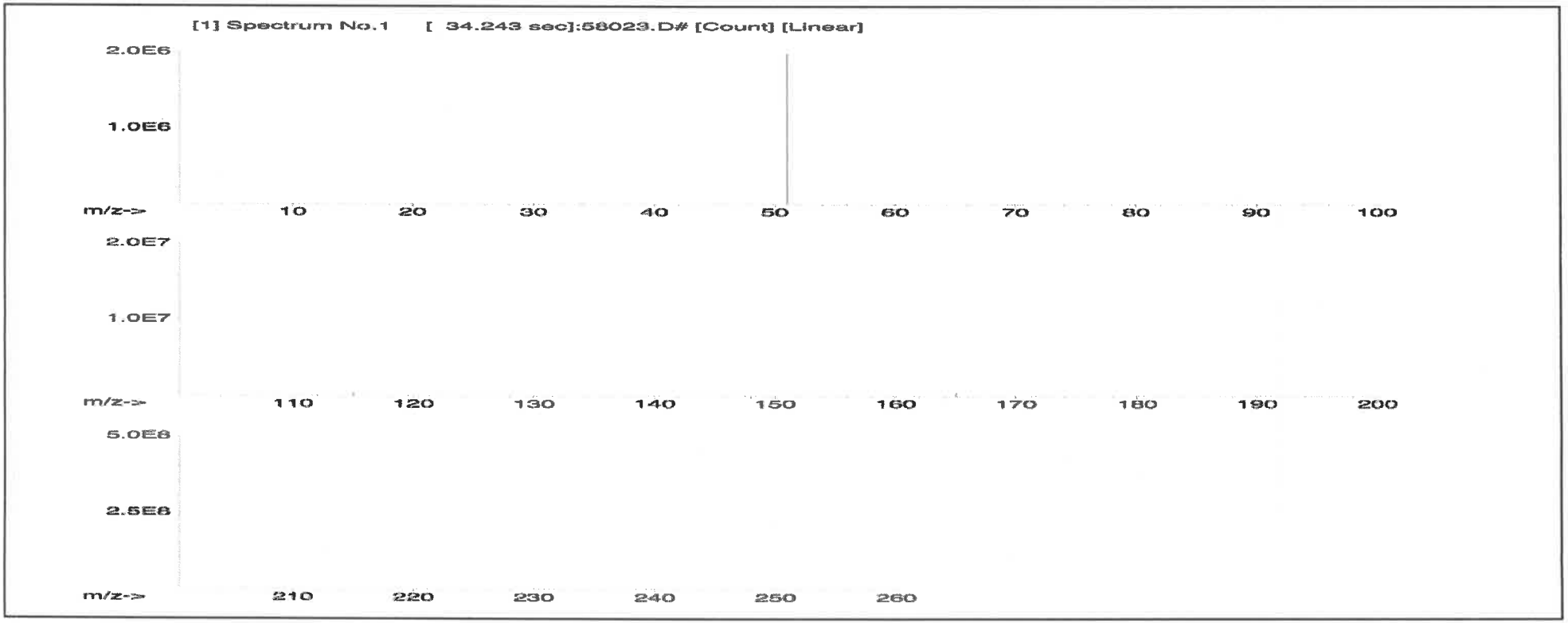
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

SHIPPING DOCUMENTS

Q 2638

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

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:	A. Brittingham

Requested Turnaround Time
5-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-TS-31-071725	7/17/25	10:30	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-32-071725	7/17/25	10:40	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-33-071725	7/17/25	10:50	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-34-071725	7/17/25	11:00	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-35-071725	7/17/25	11:10	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-36-071725	7/17/25	11:20	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-37-071725	7/17/25	11:30	G	SO		3	2					X	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: 7/17/25 1500
Received by: (signature)	Date/Time: 7/18/25 0955
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: 5.1°C - 4.7°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

Alliance TECHNICAL GROUP
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 : Q2638 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:07:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/18/2025 9:55:00 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
Q2638-01	OU4-TS-31-071725	Solid	07/17/2025	10:30					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-03	OU4-TS-32-071725	Solid	07/17/2025	10:40					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-05	OU4-TS-33-071725	Solid	07/17/2025	10:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-07	OU4-TS-34-071725	Solid	07/17/2025	11:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-09	OU4-TS-35-071725	Solid	07/17/2025	11:10					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-11	OU4-TS-36-071725	Solid	07/17/2025	11:20					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-13	OU4-TS-37-071725	Solid	07/17/2025	11:30					
					VOCMS Group3		8260D		5 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2638 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:07:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/18/2025 9:55:00 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

Relinguished By :
Date / Time : 7/18/25 1100

Received By :
Date / Time : 07/18/25 11:20
Storage Area : VOA Refridgerator Room

R4 6
F22