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

DATA PACKAGE

METALS

PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : P3467

ATTENTION : Mary I. Murphy

Laboratory Certification ID # 20012

Table Of Contents for P3467

1) METALS DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 9
7) Chronicle 10
8) Hit Summary 11
9) Sample Data 12
9.1) 919-J-WS-080224 13
10) METALS CALIBRATION DATA 14
10.1) Initial and Continuing Calibration Verification 15
10.2) CRDL Standard For AA & ICP 27
10.3) Initial and Continuing Calibration Blank Summary 28
10.4) Preparation Blank Summary 38
10.5) Interference Check Sample 40
11) METALS QC DATA 42
11.1) Matrix Spike Summary 43
11.2) Post Digest Spike Summary 45
11.3) Duplicate Sample Summary 46
11.4) Laboratory Control Sample Summary 48
11.5) Internal Standard Relative Intensity Summary8A 50
11.6) Internal Standard Relative Intensity Summary8B 58
11.7) ICP Serial Dilutions 66
12) METALS PREPARATION & INSTRUMENT DATA 67
13) PREPARATION & ANALYTICAL SUMMARY 68
13.1) Sample Preparation Summary 69
13.2) Analysis Run Log 71
14) METALS RAW DATA 74
14.1) METALS RAW DATA - ANALYTICAL 75
14.2) LB131960 75
14.3) LB132155 77
14.4) METALS RAW DATA - PREP 890
14.4.1) PB162680 890
14.4.2) PB162950 893

15) Analytical Runlogs 896
16) Standard Prep Logs 907
17) Shipping Document 1052
17.1) Chain Of Custody 1053
17.2) Lab Certificate 1054
17.3) Internal COC 1055

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

Cover Page

Order ID : P3467

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3467-01	919-J-WS-080224
P3467-02	TB-03-080224

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 : N. N. Pandya

APPROVED

Nimisha Pandya QA/QC Supervisor Pandya , 10/30/2024, 11:46:33 AM

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3467
Test Name: Metals Group4,Mercury

A. Number of Samples and Date of Receipt:
2 Water samples were received on 08/02/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. This data package contains results for Metals Group4,Mercury.

C. Analytical Techniques:
The analysis of Metals Group4 was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (923-K1-WS-080124MS) analysis met criteria for all samples except for Silver due to Chemical interference during Digestion Process.
The Matrix Spike Duplicate (923-K1-WS-080124MSD) analysis met criteria for all samples except for Silver due to Chemical interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
This Data Package has been revised due to Parameter List Change.

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

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

Signature N. N. Pandya

APPROVED

Nimisha Pandya QA/QC Supervisor Pandya , 10/30/2024, 11:46:44 AM

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

QA Control # A3040961

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P3467 MATRIX: Water

METHOD: 6020D,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 (923-K1-WS-080124MS) analysis met criteria for all samples except for Silver due to Chemical interference during Digestion Process. The Matrix Spike Duplicate (923-K1-WS-080124MSD) analysis met criteria for all samples except for Silver due to Chemical interference during Digestion Process.			
7.	Sample Duplicate Analysis Met QC Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
8.	Digestion Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

This Data Package has been revised due to Parameter List Change.

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.

S. M. Jodhani

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:22 am, Oct 30, 2024

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3467

	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	✓

1st Level QA Review Signature: SOHIL JODHANI **Date:** 10/14/2024

2nd Level QA Review Signature: N. N. Pandya

APPROVED
Nimisha Pandya QA/QC Supervisor Pandya , 10/30/2024, 11:46:54 AM

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

LAB CHRONICLE

OrderID:	P3467	**OrderDate:**	8/2/2024 4:30:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	**Location:**	D21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3467-01	**919-J-WS-080224**	**Water**			**08/02/24**			**08/02/24**
			Mercury	7470A		08/12/24	08/13/24	
			Metals Group4	6020B		08/23/24	08/25/24	

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

Hit Summary Sheet
SW-846

SDG No.: P3467 **Order ID:** P3467

Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger Site Princeton NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 919-J-WS-080224								
P3467-01	919-J-WS-080224	Water	Aluminum	1150		1.98	20.0	ug/L
P3467-01	919-J-WS-080224	Water	Antimony	0.47	J	0.11	2.00	ug/L
P3467-01	919-J-WS-080224	Water	Arsenic	5.56		0.090	1.00	ug/L
P3467-01	919-J-WS-080224	Water	Barium	76.0		0.30	10.0	ug/L
P3467-01	919-J-WS-080224	Water	Calcium	15800		62.5	500	ug/L
P3467-01	919-J-WS-080224	Water	Chromium	3.52		0.40	2.00	ug/L
P3467-01	919-J-WS-080224	Water	Cobalt	2.15		0.062	1.00	ug/L
P3467-01	919-J-WS-080224	Water	Copper	22.7		0.40	2.00	ug/L
P3467-01	919-J-WS-080224	Water	Iron	10900		9.60	50.0	ug/L
P3467-01	919-J-WS-080224	Water	Lead	16.7		0.11	1.00	ug/L
P3467-01	919-J-WS-080224	Water	Magnesium	2770		26.6	500	ug/L
P3467-01	919-J-WS-080224	Water	Manganese	526		0.24	1.00	ug/L
P3467-01	919-J-WS-080224	Water	Nickel	3.26		0.18	1.00	ug/L
P3467-01	919-J-WS-080224	Water	Mercury	0.25		0.081	0.20	ug/L
P3467-01	919-J-WS-080224	Water	Potassium	2530		46.1	500	ug/L
P3467-01	919-J-WS-080224	Water	Silver	0.23	J	0.077	1.00	ug/L
P3467-01	919-J-WS-080224	Water	Sodium	48000		85.8	500	ug/L
P3467-01	919-J-WS-080224	Water	Vanadium	4.85	J	0.072	5.00	ug/L
P3467-01	919-J-WS-080224	Water	Zinc	141		0.56	5.00	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:	JACOBS Engineering Group, Inc.	Date Collected:	08/02/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/02/24
Client Sample ID:	919-J-WS-080224	SDG No.:	P3467
Lab Sample ID:	P3467-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1150		1	1.98	20.0	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-36-0	Antimony	0.47	J	1	0.11	2.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-38-2	Arsenic	5.56		1	0.090	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-39-3	Barium	76.0		1	0.30	10.0	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-41-7	Beryllium	0.16	U	1	0.16	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-43-9	Cadmium	0.30	U	1	0.30	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-70-2	Calcium	15800		1	62.5	500	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-47-3	Chromium	3.52		1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-48-4	Cobalt	2.15		1	0.062	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-50-8	Copper	22.7		1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7439-89-6	Iron	10900		1	9.60	50.0	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7439-92-1	Lead	16.7		1	0.11	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7439-95-4	Magnesium	2770		1	26.6	500	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7439-96-5	Manganese	526		1	0.24	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7439-97-6	Mercury	0.25		1	0.081	0.20	ug/L	08/12/24 16:13	08/13/24 10:49	SW7470A	
7440-02-0	Nickel	3.26		1	0.18	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-09-7	Potassium	2530		1	46.1	500	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7782-49-2	Selenium	1.38	U	1	1.38	5.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-22-4	Silver	0.23	JN	1	0.077	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-23-5	Sodium	48000		1	85.8	500	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-28-0	Thallium	0.085	U	1	0.085	1.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-62-2	Vanadium	4.85	J	1	0.072	5.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A
7440-66-6	Zinc	141		1	0.56	5.00	ug/L	08/23/24 15:00	08/25/24 18:00	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	Medium
Color After:	Colorless	Clarity After:	N/A	Artifacts:	N/A
Comments:	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: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

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
ICV72	Mercury	4.01	4.0	100	90 - 110	CV	08/13/2024	08:53	LB131960

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

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
CCV35	Mercury	4.53	5.0	91	90 - 110	CV	08/13/2024	08:58	LB131960
CCV36	Mercury	4.77	5.0	95	90 - 110	CV	08/13/2024	09:33	LB131960
CCV37	Mercury	4.95	5.0	99	90 - 110	CV	08/13/2024	10:00	LB131960
CCV38	Mercury	4.86	5.0	97	90 - 110	CV	08/13/2024	10:30	LB131960
CCV39	Mercury	5.18	5.0	104	90 - 110	CV	08/13/2024	10:58	LB131960
CCV40	Mercury	5.09	5.0	102	90 - 110	CV	08/13/2024	11:24	LB131960

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	494	500	99	90 - 110	P	08/25/2024	16:38	LB132155
	Antimony	187	200	93	90 - 110	P	08/25/2024	16:38	LB132155
	Arsenic	195	200	97	90 - 110	P	08/25/2024	16:38	LB132155
	Barium	93.7	100	94	90 - 110	P	08/25/2024	16:38	LB132155
	Beryllium	106	100	106	90 - 110	P	08/25/2024	16:38	LB132155
	Cadmium	103	100	103	90 - 110	P	08/25/2024	16:38	LB132155
	Calcium	2180	2000	109	90 - 110	P	08/25/2024	16:38	LB132155
	Chromium	97.2	100	97	90 - 110	P	08/25/2024	16:38	LB132155
	Cobalt	98.1	100	98	90 - 110	P	08/25/2024	16:38	LB132155
	Copper	99.5	100	100	90 - 110	P	08/25/2024	16:38	LB132155
	Iron	2100	2000	105	90 - 110	P	08/25/2024	16:38	LB132155
	Lead	189	200	94	90 - 110	P	08/25/2024	16:38	LB132155
	Magnesium	1150	1200	96	90 - 110	P	08/25/2024	16:38	LB132155
	Manganese	98.8	100	99	90 - 110	P	08/25/2024	16:38	LB132155
	Nickel	107	110	97	90 - 110	P	08/25/2024	16:38	LB132155
	Potassium	2070	2000	103	90 - 110	P	08/25/2024	16:38	LB132155
	Selenium	197	200	98	90 - 110	P	08/25/2024	16:38	LB132155
	Silver	48.7	50.0	98	90 - 110	P	08/25/2024	16:38	LB132155
	Sodium	2060	2000	103	90 - 110	P	08/25/2024	16:38	LB132155
	Thallium	205	210	98	90 - 110	P	08/25/2024	16:38	LB132155
	Vanadium	94.6	100	95	90 - 110	P	08/25/2024	16:38	LB132155
	Zinc	200	200	100	90 - 110	P	08/25/2024	16:38	LB132155

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

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
LLICV	Aluminum	19.3	20.0	97	80 - 120	P	08/25/2024	17:02	LB132155
	Antimony	1.91	2.0	96	80 - 120	P	08/25/2024	17:02	LB132155
	Arsenic	0.97	1.0	97	80 - 120	P	08/25/2024	17:02	LB132155
	Barium	9.43	10.0	94	80 - 120	P	08/25/2024	17:02	LB132155
	Beryllium	1.11	1.0	111	80 - 120	P	08/25/2024	17:02	LB132155
	Cadmium	0.88	1.0	88	80 - 120	P	08/25/2024	17:02	LB132155
	Calcium	543	500	109	80 - 120	P	08/25/2024	17:02	LB132155
	Chromium	1.79	2.0	90	80 - 120	P	08/25/2024	17:02	LB132155
	Cobalt	1.05	1.0	105	80 - 120	P	08/25/2024	17:02	LB132155
	Copper	2.00	2.0	100	80 - 120	P	08/25/2024	17:02	LB132155
	Iron	57.4	50.0	115	80 - 120	P	08/25/2024	17:02	LB132155
	Lead	0.82	1.0	82	80 - 120	P	08/25/2024	17:02	LB132155
	Magnesium	524	500	105	80 - 120	P	08/25/2024	17:02	LB132155
	Manganese	0.92	1.0	92	80 - 120	P	08/25/2024	17:02	LB132155
	Nickel	0.85	1.0	85	80 - 120	P	08/25/2024	17:02	LB132155
	Potassium	546	500	109	80 - 120	P	08/25/2024	17:02	LB132155
	Selenium	5.25	5.0	105	80 - 120	P	08/25/2024	17:02	LB132155
	Silver	1.00	1.0	100	80 - 120	P	08/25/2024	17:02	LB132155
	Sodium	541	500	108	80 - 120	P	08/25/2024	17:02	LB132155
	Thallium	0.85	1.0	85	80 - 120	P	08/25/2024	17:02	LB132155
	Vanadium	5.09	5.0	102	80 - 120	P	08/25/2024	17:02	LB132155
	Zinc	4.65	5.0	93	80 - 120	P	08/25/2024	17:02	LB132155

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	49900	50000	100	90 - 110	P	08/25/2024	17:14	LB132155
	Antimony	510	500	102	90 - 110	P	08/25/2024	17:14	LB132155
	Arsenic	486	500	97	90 - 110	P	08/25/2024	17:14	LB132155
	Barium	2460	2500	98	90 - 110	P	08/25/2024	17:14	LB132155
	Beryllium	527	500	105	90 - 110	P	08/25/2024	17:14	LB132155
	Cadmium	464	500	93	90 - 110	P	08/25/2024	17:14	LB132155
	Calcium	255000	250000	102	90 - 110	P	08/25/2024	17:14	LB132155
	Chromium	489	500	98	90 - 110	P	08/25/2024	17:14	LB132155
	Cobalt	474	500	95	90 - 110	P	08/25/2024	17:14	LB132155
	Copper	4740	5000	95	90 - 110	P	08/25/2024	17:14	LB132155
	Iron	127000	125000	102	90 - 110	P	08/25/2024	17:14	LB132155
	Lead	2460	2500	98	90 - 110	P	08/25/2024	17:14	LB132155
	Magnesium	251000	250000	101	90 - 110	P	08/25/2024	17:14	LB132155
	Manganese	4830	5000	97	90 - 110	P	08/25/2024	17:14	LB132155
	Nickel	469	500	94	90 - 110	P	08/25/2024	17:14	LB132155
	Potassium	126000	125000	100	90 - 110	P	08/25/2024	17:14	LB132155
	Selenium	476	500	95	90 - 110	P	08/25/2024	17:14	LB132155
	Silver	474	500	95	90 - 110	P	08/25/2024	17:14	LB132155
	Sodium	258000	250000	103	90 - 110	P	08/25/2024	17:14	LB132155
	Thallium	490	500	98	90 - 110	P	08/25/2024	17:14	LB132155
	Vanadium	495	500	99	90 - 110	P	08/25/2024	17:14	LB132155
	Zinc	4690	5000	94	90 - 110	P	08/25/2024	17:14	LB132155
CCV02	Aluminum	50300	50000	101	90 - 110	P	08/25/2024	18:03	LB132155
	Antimony	500	500	100	90 - 110	P	08/25/2024	18:03	LB132155
	Arsenic	480	500	96	90 - 110	P	08/25/2024	18:03	LB132155
	Barium	2400	2500	96	90 - 110	P	08/25/2024	18:03	LB132155
	Beryllium	520	500	104	90 - 110	P	08/25/2024	18:03	LB132155
	Cadmium	461	500	92	90 - 110	P	08/25/2024	18:03	LB132155
	Calcium	254000	250000	102	90 - 110	P	08/25/2024	18:03	LB132155
	Chromium	486	500	97	90 - 110	P	08/25/2024	18:03	LB132155
	Cobalt	471	500	94	90 - 110	P	08/25/2024	18:03	LB132155
	Copper	4740	5000	95	90 - 110	P	08/25/2024	18:03	LB132155
	Iron	126000	125000	101	90 - 110	P	08/25/2024	18:03	LB132155
	Lead	2440	2500	98	90 - 110	P	08/25/2024	18:03	LB132155

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	253000	250000	101	90 - 110	P	08/25/2024	18:03	LB132155
	Manganese	4790	5000	96	90 - 110	P	08/25/2024	18:03	LB132155
	Nickel	468	500	94	90 - 110	P	08/25/2024	18:03	LB132155
	Potassium	127000	125000	101	90 - 110	P	08/25/2024	18:03	LB132155
	Selenium	469	500	94	90 - 110	P	08/25/2024	18:03	LB132155
	Silver	469	500	94	90 - 110	P	08/25/2024	18:03	LB132155
	Sodium	258000	250000	103	90 - 110	P	08/25/2024	18:03	LB132155
	Thallium	494	500	99	90 - 110	P	08/25/2024	18:03	LB132155
	Vanadium	496	500	99	90 - 110	P	08/25/2024	18:03	LB132155
	Zinc	4700	5000	94	90 - 110	P	08/25/2024	18:03	LB132155
CCV03	Aluminum	49400	50000	99	90 - 110	P	08/25/2024	18:43	LB132155
	Antimony	486	500	97	90 - 110	P	08/25/2024	18:43	LB132155
	Arsenic	491	500	98	90 - 110	P	08/25/2024	18:43	LB132155
	Barium	2390	2500	96	90 - 110	P	08/25/2024	18:43	LB132155
	Beryllium	501	500	100	90 - 110	P	08/25/2024	18:43	LB132155
	Cadmium	469	500	94	90 - 110	P	08/25/2024	18:43	LB132155
	Calcium	250000	250000	100	90 - 110	P	08/25/2024	18:43	LB132155
	Chromium	480	500	96	90 - 110	P	08/25/2024	18:43	LB132155
	Cobalt	469	500	94	90 - 110	P	08/25/2024	18:43	LB132155
	Copper	4740	5000	95	90 - 110	P	08/25/2024	18:43	LB132155
	Iron	125000	125000	100	90 - 110	P	08/25/2024	18:43	LB132155
	Lead	2440	2500	97	90 - 110	P	08/25/2024	18:43	LB132155
	Magnesium	246000	250000	98	90 - 110	P	08/25/2024	18:43	LB132155
	Manganese	4730	5000	94	90 - 110	P	08/25/2024	18:43	LB132155
	Nickel	459	500	92	90 - 110	P	08/25/2024	18:43	LB132155
	Potassium	124000	125000	99	90 - 110	P	08/25/2024	18:43	LB132155
	Selenium	486	500	97	90 - 110	P	08/25/2024	18:43	LB132155
	Silver	478	500	96	90 - 110	P	08/25/2024	18:43	LB132155
	Sodium	254000	250000	102	90 - 110	P	08/25/2024	18:43	LB132155
	Thallium	493	500	99	90 - 110	P	08/25/2024	18:43	LB132155
	Vanadium	485	500	97	90 - 110	P	08/25/2024	18:43	LB132155
	Zinc	4750	5000	95	90 - 110	P	08/25/2024	18:43	LB132155
CCV04	Aluminum	50000	50000	100	90 - 110	P	08/25/2024	19:27	LB132155
	Antimony	513	500	102	90 - 110	P	08/25/2024	19:27	LB132155

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	494	500	99	90 - 110	P	08/25/2024	19:27	LB132155
	Barium	2520	2500	101	90 - 110	P	08/25/2024	19:27	LB132155
	Beryllium	521	500	104	90 - 110	P	08/25/2024	19:27	LB132155
	Cadmium	489	500	98	90 - 110	P	08/25/2024	19:27	LB132155
	Calcium	254000	250000	101	90 - 110	P	08/25/2024	19:27	LB132155
	Chromium	489	500	98	90 - 110	P	08/25/2024	19:27	LB132155
	Cobalt	483	500	97	90 - 110	P	08/25/2024	19:27	LB132155
	Copper	4850	5000	97	90 - 110	P	08/25/2024	19:27	LB132155
	Iron	127000	125000	102	90 - 110	P	08/25/2024	19:27	LB132155
	Lead	2450	2500	98	90 - 110	P	08/25/2024	19:27	LB132155
	Magnesium	250000	250000	100	90 - 110	P	08/25/2024	19:27	LB132155
	Manganese	4810	5000	96	90 - 110	P	08/25/2024	19:27	LB132155
	Nickel	472	500	94	90 - 110	P	08/25/2024	19:27	LB132155
	Potassium	125000	125000	100	90 - 110	P	08/25/2024	19:27	LB132155
	Selenium	489	500	98	90 - 110	P	08/25/2024	19:27	LB132155
	Silver	495	500	99	90 - 110	P	08/25/2024	19:27	LB132155
	Sodium	254000	250000	102	90 - 110	P	08/25/2024	19:27	LB132155
	Thallium	491	500	98	90 - 110	P	08/25/2024	19:27	LB132155
	Vanadium	495	500	99	90 - 110	P	08/25/2024	19:27	LB132155
	Zinc	4830	5000	97	90 - 110	P	08/25/2024	19:27	LB132155
CCV05	Aluminum	49700	50000	99	90 - 110	P	08/25/2024	20:14	LB132155
	Antimony	496	500	99	90 - 110	P	08/25/2024	20:14	LB132155
	Arsenic	487	500	97	90 - 110	P	08/25/2024	20:14	LB132155
	Barium	2420	2500	97	90 - 110	P	08/25/2024	20:14	LB132155
	Beryllium	519	500	104	90 - 110	P	08/25/2024	20:14	LB132155
	Cadmium	476	500	95	90 - 110	P	08/25/2024	20:14	LB132155
	Calcium	252000	250000	101	90 - 110	P	08/25/2024	20:14	LB132155
	Chromium	491	500	98	90 - 110	P	08/25/2024	20:14	LB132155
	Cobalt	489	500	98	90 - 110	P	08/25/2024	20:14	LB132155
	Copper	4840	5000	97	90 - 110	P	08/25/2024	20:14	LB132155
	Iron	127000	125000	102	90 - 110	P	08/25/2024	20:14	LB132155
	Lead	2460	2500	98	90 - 110	P	08/25/2024	20:14	LB132155
	Magnesium	249000	250000	100	90 - 110	P	08/25/2024	20:14	LB132155
	Manganese	4810	5000	96	90 - 110	P	08/25/2024	20:14	LB132155

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	470	500	94	90 - 110	P	08/25/2024	20:14	LB132155
	Potassium	125000	125000	100	90 - 110	P	08/25/2024	20:14	LB132155
	Selenium	484	500	97	90 - 110	P	08/25/2024	20:14	LB132155
	Silver	486	500	97	90 - 110	P	08/25/2024	20:14	LB132155
	Sodium	255000	250000	102	90 - 110	P	08/25/2024	20:14	LB132155
	Thallium	496	500	99	90 - 110	P	08/25/2024	20:14	LB132155
	Vanadium	499	500	100	90 - 110	P	08/25/2024	20:14	LB132155
	Zinc	4840	5000	97	90 - 110	P	08/25/2024	20:14	LB132155
CCV06	Aluminum	50000	50000	100	90 - 110	P	08/25/2024	21:02	LB132155
	Antimony	493	500	99	90 - 110	P	08/25/2024	21:02	LB132155
	Arsenic	483	500	96	90 - 110	P	08/25/2024	21:02	LB132155
	Barium	2400	2500	96	90 - 110	P	08/25/2024	21:02	LB132155
	Beryllium	504	500	101	90 - 110	P	08/25/2024	21:02	LB132155
	Cadmium	471	500	94	90 - 110	P	08/25/2024	21:02	LB132155
	Calcium	252000	250000	101	90 - 110	P	08/25/2024	21:02	LB132155
	Chromium	483	500	97	90 - 110	P	08/25/2024	21:02	LB132155
	Cobalt	475	500	95	90 - 110	P	08/25/2024	21:02	LB132155
	Copper	4800	5000	96	90 - 110	P	08/25/2024	21:02	LB132155
	Iron	127000	125000	102	90 - 110	P	08/25/2024	21:02	LB132155
	Lead	2440	2500	98	90 - 110	P	08/25/2024	21:02	LB132155
	Magnesium	250000	250000	100	90 - 110	P	08/25/2024	21:02	LB132155
	Manganese	4800	5000	96	90 - 110	P	08/25/2024	21:02	LB132155
	Nickel	463	500	92	90 - 110	P	08/25/2024	21:02	LB132155
	Potassium	123000	125000	99	90 - 110	P	08/25/2024	21:02	LB132155
	Selenium	481	500	96	90 - 110	P	08/25/2024	21:02	LB132155
	Silver	477	500	95	90 - 110	P	08/25/2024	21:02	LB132155
	Sodium	254000	250000	102	90 - 110	P	08/25/2024	21:02	LB132155
	Thallium	487	500	97	90 - 110	P	08/25/2024	21:02	LB132155
	Vanadium	491	500	98	90 - 110	P	08/25/2024	21:02	LB132155
	Zinc	4830	5000	96	90 - 110	P	08/25/2024	21:02	LB132155
CCV07	Aluminum	49600	50000	99	90 - 110	P	08/25/2024	21:47	LB132155
	Antimony	488	500	98	90 - 110	P	08/25/2024	21:47	LB132155
	Arsenic	471	500	94	90 - 110	P	08/25/2024	21:47	LB132155
	Barium	2440	2500	98	90 - 110	P	08/25/2024	21:47	LB132155

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	504	500	101	90 - 110	P	08/25/2024	21:47	LB132155
	Cadmium	468	500	94	90 - 110	P	08/25/2024	21:47	LB132155
	Calcium	252000	250000	101	90 - 110	P	08/25/2024	21:47	LB132155
	Chromium	482	500	96	90 - 110	P	08/25/2024	21:47	LB132155
	Cobalt	474	500	95	90 - 110	P	08/25/2024	21:47	LB132155
	Copper	4710	5000	94	90 - 110	P	08/25/2024	21:47	LB132155
	Iron	127000	125000	101	90 - 110	P	08/25/2024	21:47	LB132155
	Lead	2470	2500	99	90 - 110	P	08/25/2024	21:47	LB132155
	Magnesium	246000	250000	98	90 - 110	P	08/25/2024	21:47	LB132155
	Manganese	4720	5000	94	90 - 110	P	08/25/2024	21:47	LB132155
	Nickel	463	500	93	90 - 110	P	08/25/2024	21:47	LB132155
	Potassium	124000	125000	99	90 - 110	P	08/25/2024	21:47	LB132155
	Selenium	475	500	95	90 - 110	P	08/25/2024	21:47	LB132155
	Silver	475	500	95	90 - 110	P	08/25/2024	21:47	LB132155
	Sodium	253000	250000	101	90 - 110	P	08/25/2024	21:47	LB132155
	Thallium	499	500	100	90 - 110	P	08/25/2024	21:47	LB132155
	Vanadium	488	500	98	90 - 110	P	08/25/2024	21:47	LB132155
	Zinc	4740	5000	95	90 - 110	P	08/25/2024	21:47	LB132155
CCV08	Aluminum	49700	50000	100	90 - 110	P	08/25/2024	22:31	LB132155
	Antimony	489	500	98	90 - 110	P	08/25/2024	22:31	LB132155
	Arsenic	477	500	95	90 - 110	P	08/25/2024	22:31	LB132155
	Barium	2410	2500	96	90 - 110	P	08/25/2024	22:31	LB132155
	Beryllium	508	500	102	90 - 110	P	08/25/2024	22:31	LB132155
	Cadmium	467	500	93	90 - 110	P	08/25/2024	22:31	LB132155
	Calcium	255000	250000	102	90 - 110	P	08/25/2024	22:31	LB132155
	Chromium	484	500	97	90 - 110	P	08/25/2024	22:31	LB132155
	Cobalt	479	500	96	90 - 110	P	08/25/2024	22:31	LB132155
	Copper	4790	5000	96	90 - 110	P	08/25/2024	22:31	LB132155
	Iron	128000	125000	102	90 - 110	P	08/25/2024	22:31	LB132155
	Lead	2460	2500	98	90 - 110	P	08/25/2024	22:31	LB132155
	Magnesium	248000	250000	99	90 - 110	P	08/25/2024	22:31	LB132155
	Manganese	4780	5000	96	90 - 110	P	08/25/2024	22:31	LB132155
	Nickel	466	500	93	90 - 110	P	08/25/2024	22:31	LB132155
	Potassium	125000	125000	100	90 - 110	P	08/25/2024	22:31	LB132155

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	470	500	94	90 - 110	P	08/25/2024	22:31	LB132155
	Silver	480	500	96	90 - 110	P	08/25/2024	22:31	LB132155
	Sodium	251000	250000	100	90 - 110	P	08/25/2024	22:31	LB132155
	Thallium	494	500	99	90 - 110	P	08/25/2024	22:31	LB132155
	Vanadium	494	500	99	90 - 110	P	08/25/2024	22:31	LB132155
	Zinc	4770	5000	95	90 - 110	P	08/25/2024	22:31	LB132155
CCV09	Aluminum	51800	50000	104	90 - 110	P	08/25/2024	23:34	LB132155
	Antimony	508	500	102	90 - 110	P	08/25/2024	23:34	LB132155
	Arsenic	483	500	96	90 - 110	P	08/25/2024	23:34	LB132155
	Barium	2440	2500	98	90 - 110	P	08/25/2024	23:34	LB132155
	Beryllium	534	500	107	90 - 110	P	08/25/2024	23:34	LB132155
	Cadmium	485	500	97	90 - 110	P	08/25/2024	23:34	LB132155
	Calcium	248000	250000	99	90 - 110	P	08/25/2024	23:34	LB132155
	Chromium	487	500	97	90 - 110	P	08/25/2024	23:34	LB132155
	Cobalt	480	500	96	90 - 110	P	08/25/2024	23:34	LB132155
	Copper	4980	5000	100	90 - 110	P	08/25/2024	23:34	LB132155
	Iron	127000	125000	101	90 - 110	P	08/25/2024	23:34	LB132155
	Lead	2470	2500	99	90 - 110	P	08/25/2024	23:34	LB132155
	Magnesium	246000	250000	98	90 - 110	P	08/25/2024	23:34	LB132155
	Manganese	4830	5000	96	90 - 110	P	08/25/2024	23:34	LB132155
	Nickel	467	500	94	90 - 110	P	08/25/2024	23:34	LB132155
	Potassium	124000	125000	99	90 - 110	P	08/25/2024	23:34	LB132155
	Selenium	495	500	99	90 - 110	P	08/25/2024	23:34	LB132155
	Silver	499	500	100	90 - 110	P	08/25/2024	23:34	LB132155
	Sodium	251000	250000	100	90 - 110	P	08/25/2024	23:34	LB132155
	Thallium	507	500	101	90 - 110	P	08/25/2024	23:34	LB132155
	Vanadium	495	500	99	90 - 110	P	08/25/2024	23:34	LB132155
	Zinc	4930	5000	98	90 - 110	P	08/25/2024	23:34	LB132155
CCV10	Aluminum	52300	50000	105	90 - 110	P	08/26/2024	00:42	LB132155
	Antimony	501	500	100	90 - 110	P	08/26/2024	00:42	LB132155
	Arsenic	475	500	95	90 - 110	P	08/26/2024	00:42	LB132155
	Barium	2410	2500	96	90 - 110	P	08/26/2024	00:42	LB132155
	Beryllium	529	500	106	90 - 110	P	08/26/2024	00:42	LB132155
	Cadmium	472	500	94	90 - 110	P	08/26/2024	00:42	LB132155

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	246000	250000	98	90 - 110	P	08/26/2024	00:42	LB132155
	Chromium	485	500	97	90 - 110	P	08/26/2024	00:42	LB132155
	Cobalt	483	500	96	90 - 110	P	08/26/2024	00:42	LB132155
	Copper	4970	5000	99	90 - 110	P	08/26/2024	00:42	LB132155
	Iron	128000	125000	102	90 - 110	P	08/26/2024	00:42	LB132155
	Lead	2440	2500	98	90 - 110	P	08/26/2024	00:42	LB132155
	Magnesium	247000	250000	99	90 - 110	P	08/26/2024	00:42	LB132155
	Manganese	4880	5000	98	90 - 110	P	08/26/2024	00:42	LB132155
	Nickel	464	500	93	90 - 110	P	08/26/2024	00:42	LB132155
	Potassium	123000	125000	98	90 - 110	P	08/26/2024	00:42	LB132155
	Selenium	481	500	96	90 - 110	P	08/26/2024	00:42	LB132155
	Silver	492	500	98	90 - 110	P	08/26/2024	00:42	LB132155
	Sodium	251000	250000	100	90 - 110	P	08/26/2024	00:42	LB132155
	Thallium	491	500	98	90 - 110	P	08/26/2024	00:42	LB132155
	Vanadium	494	500	99	90 - 110	P	08/26/2024	00:42	LB132155
	Zinc	4850	5000	97	90 - 110	P	08/26/2024	00:42	LB132155
CCV11	Aluminum	52200	50000	104	90 - 110	P	08/26/2024	01:17	LB132155
	Antimony	502	500	100	90 - 110	P	08/26/2024	01:17	LB132155
	Arsenic	475	500	95	90 - 110	P	08/26/2024	01:17	LB132155
	Barium	2420	2500	97	90 - 110	P	08/26/2024	01:17	LB132155
	Beryllium	517	500	104	90 - 110	P	08/26/2024	01:17	LB132155
	Cadmium	478	500	96	90 - 110	P	08/26/2024	01:17	LB132155
	Calcium	249000	250000	100	90 - 110	P	08/26/2024	01:17	LB132155
	Chromium	488	500	98	90 - 110	P	08/26/2024	01:17	LB132155
	Cobalt	481	500	96	90 - 110	P	08/26/2024	01:17	LB132155
	Copper	5040	5000	101	90 - 110	P	08/26/2024	01:17	LB132155
	Iron	127000	125000	102	90 - 110	P	08/26/2024	01:17	LB132155
	Lead	2420	2500	97	90 - 110	P	08/26/2024	01:17	LB132155
	Magnesium	249000	250000	100	90 - 110	P	08/26/2024	01:17	LB132155
	Manganese	4880	5000	98	90 - 110	P	08/26/2024	01:17	LB132155
	Nickel	470	500	94	90 - 110	P	08/26/2024	01:17	LB132155
	Potassium	123000	125000	98	90 - 110	P	08/26/2024	01:17	LB132155
	Selenium	477	500	95	90 - 110	P	08/26/2024	01:17	LB132155
	Silver	489	500	98	90 - 110	P	08/26/2024	01:17	LB132155

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

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
CCV11	Sodium	255000	250000	102	90 - 110	P	08/26/2024	01:17	LB132155
	Thallium	493	500	99	90 - 110	P	08/26/2024	01:17	LB132155
	Vanadium	494	500	99	90 - 110	P	08/26/2024	01:17	LB132155
	Zinc	4940	5000	99	90 - 110	P	08/26/2024	01:17	LB132155

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

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	0.24	0.2	118	40 - 160	CV	08/13/2024	09:10	LB131960
CRI	Aluminum	20.3	20.0	102	70 - 130	P	08/25/2024	17:26	LB132155
	Antimony	1.95	2.0	98	70 - 130	P	08/25/2024	17:26	LB132155
	Arsenic	1.13	1.0	113	70 - 130	P	08/25/2024	17:26	LB132155
	Barium	9.42	10.0	94	70 - 130	P	08/25/2024	17:26	LB132155
	Beryllium	1.12	1.0	112	70 - 130	P	08/25/2024	17:26	LB132155
	Cadmium	0.88	1.0	88	70 - 130	P	08/25/2024	17:26	LB132155
	Calcium	553	500	110	70 - 130	P	08/25/2024	17:26	LB132155
	Chromium	1.77	2.0	88	70 - 130	P	08/25/2024	17:26	LB132155
	Cobalt	1.06	1.0	106	50 - 150	P	08/25/2024	17:26	LB132155
	Copper	2.06	2.0	103	70 - 130	P	08/25/2024	17:26	LB132155
	Iron	57.0	50.0	114	70 - 130	P	08/25/2024	17:26	LB132155
	Lead	0.88	1.0	88	70 - 130	P	08/25/2024	17:26	LB132155
	Magnesium	528	500	106	70 - 130	P	08/25/2024	17:26	LB132155
	Manganese	0.99	1.0	99	50 - 150	P	08/25/2024	17:26	LB132155
	Nickel	0.88	1.0	88	70 - 130	P	08/25/2024	17:26	LB132155
	Potassium	541	500	108	70 - 130	P	08/25/2024	17:26	LB132155
	Selenium	5.09	5.0	102	70 - 130	P	08/25/2024	17:26	LB132155
	Silver	0.97	1.0	97	70 - 130	P	08/25/2024	17:26	LB132155
	Sodium	557	500	112	70 - 130	P	08/25/2024	17:26	LB132155
	Thallium	0.87	1.0	87	70 - 130	P	08/25/2024	17:26	LB132155
	Vanadium	5.03	5.0	101	70 - 130	P	08/25/2024	17:26	LB132155
	Zinc	4.84	5.0	97	50 - 150	P	08/25/2024	17:26	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB72	Mercury	0.20	+/-0.20	U	0.20	CV	08/13/2024	08:55	LB131960

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB35	Mercury	0.20	+/-0.20	U	0.20	CV	08/13/2024	09:03	LB131960
CCB36	Mercury	0.20	+/-0.20	U	0.20	CV	08/13/2024	09:35	LB131960
CCB37	Mercury	0.20	+/-0.20	U	0.20	CV	08/13/2024	10:05	LB131960
CCB38	Mercury	0.20	+/-0.20	U	0.20	CV	08/13/2024	10:35	LB131960
CCB39	Mercury	0.20	+/-0.20	U	0.20	CV	08/13/2024	11:04	LB131960
CCB40	Mercury	0.20	+/-0.20	U	0.20	CV	08/13/2024	11:26	LB131960

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	17:05	LB132155
	Antimony	2.00	+/-2.00	U	2.00	P	08/25/2024	17:05	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	17:05	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	17:05	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	17:05	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	17:05	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	17:05	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	17:05	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	17:05	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	17:05	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	17:05	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	17:05	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	17:05	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	17:05	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	17:23	LB132155
	Antimony	2.00	+/-2.00	U	2.00	P	08/25/2024	17:23	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	17:23	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	17:23	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	17:23	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	17:23	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	17:23	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	17:23	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	17:23	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	17:23	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	17:23	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	17:23	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	17:23	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	17:23	LB132155
CCB02	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	18:09	LB132155
	Antimony	0.14	+/-2.00	J	2.00	P	08/25/2024	18:09	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	18:09	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	18:09	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	18:09	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	18:09	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	18:09	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	18:09	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	18:09	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	18:09	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	18:09	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	18:09	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	18:09	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	18:09	LB132155
CCB03	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	18:49	LB132155
	Antimony	0.20	+/-2.00	J	2.00	P	08/25/2024	18:49	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	18:49	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	18:49	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	18:49	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	18:49	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	18:49	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	18:49	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	18:49	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	18:49	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	18:49	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	18:49	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	18:49	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	18:49	LB132155
CCB04	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	19:33	LB132155
	Antimony	0.15	+/-2.00	J	2.00	P	08/25/2024	19:33	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	19:33	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	19:33	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	19:33	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	19:33	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	19:33	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	500	+/-500	U	500	P	08/25/2024	19:33	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	19:33	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	19:33	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	19:33	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	19:33	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	19:33	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	19:33	LB132155
CCB05	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	20:29	LB132155
	Antimony	2.00	+/-2.00	U	2.00	P	08/25/2024	20:29	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	20:29	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	20:29	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	20:29	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	20:29	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	20:29	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	20:29	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	20:29	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	20:29	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	20:29	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	20:29	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	20:29	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	20:29	LB132155
CCB06	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	21:14	LB132155
	Antimony	2.00	+/-2.00	U	2.00	P	08/25/2024	21:14	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	21:14	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	21:14	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	21:14	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	21:14	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	21:14	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	21:14	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	21:14	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	21:14	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	21:14	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	21:14	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	21:14	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	21:14	LB132155
CCB07	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	21:55	LB132155
	Antimony	0.13	+/-2.00	J	2.00	P	08/25/2024	21:55	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	21:55	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	21:55	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	21:55	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	21:55	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	21:55	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	21:55	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	21:55	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	21:55	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	21:55	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	21:55	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	21:55	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	21:55	LB132155
CCB08	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	22:50	LB132155
	Antimony	2.00	+/-2.00	U	2.00	P	08/25/2024	22:50	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	22:50	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	22:50	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	22:50	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	22:50	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	22:50	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	22:50	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	22:50	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	22:50	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	22:50	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	22:50	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	22:50	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	22:50	LB132155
CCB09	Aluminum	20.0	+/-20.0	U	20.0	P	08/25/2024	23:43	LB132155
	Antimony	2.00	+/-2.00	U	2.00	P	08/25/2024	23:43	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/25/2024	23:43	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Calcium	500	+/-500	U	500	P	08/25/2024	23:43	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/25/2024	23:43	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/25/2024	23:43	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/25/2024	23:43	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Magnesium	500	+/-500	U	500	P	08/25/2024	23:43	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Potassium	500	+/-500	U	500	P	08/25/2024	23:43	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/25/2024	23:43	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Sodium	500	+/-500	U	500	P	08/25/2024	23:43	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	1.00	+/-1.00	U	1.00	P	08/25/2024	23:43	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/25/2024	23:43	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/25/2024	23:43	LB132155
CCB10	Aluminum	20.0	+/-20.0	U	20.0	P	08/26/2024	00:52	LB132155
	Antimony	2.00	+/-2.00	U	2.00	P	08/26/2024	00:52	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/26/2024	00:52	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Calcium	500	+/-500	U	500	P	08/26/2024	00:52	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/26/2024	00:52	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/26/2024	00:52	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/26/2024	00:52	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Magnesium	500	+/-500	U	500	P	08/26/2024	00:52	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Nickel	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Potassium	500	+/-500	U	500	P	08/26/2024	00:52	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/26/2024	00:52	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Sodium	500	+/-500	U	500	P	08/26/2024	00:52	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/26/2024	00:52	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/26/2024	00:52	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/26/2024	00:52	LB132155
CCB11	Aluminum	20.0	+/-20.0	U	20.0	P	08/26/2024	01:30	LB132155
	Antimony	0.12	+/-2.00	J	2.00	P	08/26/2024	01:30	LB132155
	Arsenic	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Barium	10.0	+/-10.0	U	10.0	P	08/26/2024	01:30	LB132155
	Beryllium	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Cadmium	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Calcium	500	+/-500	U	500	P	08/26/2024	01:30	LB132155
	Chromium	2.00	+/-2.00	U	2.00	P	08/26/2024	01:30	LB132155
	Cobalt	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Copper	2.00	+/-2.00	U	2.00	P	08/26/2024	01:30	LB132155
	Iron	50.0	+/-50.0	U	50.0	P	08/26/2024	01:30	LB132155
	Lead	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Magnesium	500	+/-500	U	500	P	08/26/2024	01:30	LB132155
	Manganese	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Potassium	500	+/-500	U	500	P	08/26/2024	01:30	LB132155
	Selenium	5.00	+/-5.00	U	5.00	P	08/26/2024	01:30	LB132155
	Silver	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Sodium	500	+/-500	U	500	P	08/26/2024	01:30	LB132155
	Thallium	1.00	+/-1.00	U	1.00	P	08/26/2024	01:30	LB132155
	Vanadium	5.00	+/-5.00	U	5.00	P	08/26/2024	01:30	LB132155
	Zinc	5.00	+/-5.00	U	5.00	P	08/26/2024	01:30	LB132155

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB162680BL		**WATER**		**Batch Number:**	**PB162680**		**Prep Date:**	**08/12/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	08/13/2024	10:07	LB131960

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB162950BL		**WATER**		**Batch Number:**	**PB162950**		**Prep Date:**	**08/23/2024**	
	Aluminum	20.0	<20.0	U	20.0	P	08/25/2024	17:31	LB132155
	Antimony	2.00	<2.00	U	2.00	P	08/25/2024	17:31	LB132155
	Arsenic	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Barium	10.0	<10.0	U	10.0	P	08/25/2024	17:31	LB132155
	Beryllium	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Cadmium	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Calcium	500	<500	U	500	P	08/25/2024	17:31	LB132155
	Chromium	2.00	<2.00	U	2.00	P	08/25/2024	17:31	LB132155
	Cobalt	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Copper	2.00	<2.00	U	2.00	P	08/25/2024	17:31	LB132155
	Iron	50.0	<50.0	U	50.0	P	08/25/2024	17:31	LB132155
	Lead	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Magnesium	500	<500	U	500	P	08/25/2024	17:31	LB132155
	Manganese	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Nickel	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Potassium	500	<500	U	500	P	08/25/2024	17:31	LB132155
	Selenium	5.00	<5.00	U	5.00	P	08/25/2024	17:31	LB132155
	Silver	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Sodium	500	<500	U	500	P	08/25/2024	17:31	LB132155
	Thallium	1.00	<1.00	U	1.00	P	08/25/2024	17:31	LB132155
	Vanadium	5.00	<5.00	U	5.00	P	08/25/2024	17:31	LB132155
	Zinc	5.00	<5.00	U	5.00	P	08/25/2024	17:31	LB132155

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	88700	100000	89	0	0	08/25/2024	17:08	LB132155
	Antimony	1.02	1.5	68	-2.5	5.5	08/25/2024	17:08	LB132155
	Arsenic	0.37	0.1	370	-1.9	2.1	08/25/2024	17:08	LB132155
	Barium	1.31	1.2	109	-18.8	21.2	08/25/2024	17:08	LB132155
	Beryllium	0.28			-2	2	08/25/2024	17:08	LB132155
	Cadmium	0.15	0.7	21	-1.3	2.7	08/25/2024	17:08	LB132155
	Calcium	93300	100000	93	0	0	08/25/2024	17:08	LB132155
	Chromium	19.1	21.0	91	17	25	08/25/2024	17:08	LB132155
	Cobalt	1.15	1.0	115	-1	3	08/25/2024	17:08	LB132155
	Copper	7.67	8.0	96	4	12	08/25/2024	17:08	LB132155
	Iron	98300	100000	98	0	0	08/25/2024	17:08	LB132155
	Lead	4.48	4.0	112	2	6	08/25/2024	17:08	LB132155
	Magnesium	89300	100000	89	0	0	08/25/2024	17:08	LB132155
	Manganese	7.51	7.0	107	5	9	08/25/2024	17:08	LB132155
	Nickel	5.16	6.0	86	4	8	08/25/2024	17:08	LB132155
	Potassium	94300	100000	94	0	0	08/25/2024	17:08	LB132155
	Selenium	0.40	0.3	133	-9.7	10	08/25/2024	17:08	LB132155
	Silver	0.080			-2	2	08/25/2024	17:08	LB132155
	Sodium	95900	100000	96	0	0	08/25/2024	17:08	LB132155
	Thallium	0.050			-2	2	08/25/2024	17:08	LB132155
	Vanadium	0.17	0.5	34	-9.5	10.5	08/25/2024	17:08	LB132155
	Zinc	9.97	11.0	91	7	15	08/25/2024	17:08	LB132155
ICSAB01	Aluminum	89800	100000	90	0	0	08/25/2024	17:11	LB132155
	Antimony	18.9	22.0	86	18	26	08/25/2024	17:11	LB132155
	Arsenic	19.4	19.0	102	16.2	21.9	08/25/2024	17:11	LB132155
	Barium	19.2	22.0	87	2	42	08/25/2024	17:11	LB132155
	Beryllium	21.1	19.0	111	16.2	21.9	08/25/2024	17:11	LB132155
	Cadmium	18.4	20.0	92	17	23	08/25/2024	17:11	LB132155
	Calcium	97300	100000	97	0	0	08/25/2024	17:11	LB132155
	Chromium	38.2	40.0	96	34	46	08/25/2024	17:11	LB132155
	Cobalt	20.2	20.0	101	17	23	08/25/2024	17:11	LB132155
	Copper	26.9	25.0	108	21	29	08/25/2024	17:11	LB132155
	Iron	102000	100000	102	0	0	08/25/2024	17:11	LB132155
	Lead	22.0	25.0	88	21.3	28.8	08/25/2024	17:11	LB132155
	Magnesium	96000	100000	96	0	0	08/25/2024	17:11	LB132155
	Manganese	27.1	27.0	100	23	31.1	08/25/2024	17:11	LB132155
	Nickel	23.9	24.0	100	20.4	27.6	08/25/2024	17:11	LB132155
	Potassium	96800	100000	97	0	0	08/25/2024	17:11	LB132155
	Selenium	19.5	19.0	103	9	29	08/25/2024	17:11	LB132155
	Silver	17.6	18.0	98	15.3	20.7	08/25/2024	17:11	LB132155
	Sodium	97600	100000	98	0	0	08/25/2024	17:11	LB132155
	Thallium	18.5	21.0	88	17.9	24.2	08/25/2024	17:11	LB132155

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	19.2	19.0	101	9	29	08/25/2024	17:11	LB132155
	Zinc	31.6	29.0	109	25	33	08/25/2024	17:11	LB132155

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3467

contract: JACO05 **lab code:** CHEM **case no.:** P3467 **sas no.:** P3467

matrix: Water **sample id:** P3440-01 **client id:** 923-K1-WS-080124MS

Percent Solids for Sample: NA **Spiked ID:** P3440-02 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	9730		62.5		10000	97		P
Antimony	ug/L	75 - 125	519		2.00	U	500	104		P
Arsenic	ug/L	75 - 125	539		0.79	J	500	108		P
Barium	ug/L	75 - 125	2470		64.4		2500	96		P
Beryllium	ug/L	75 - 125	565		1.00	U	500	113		P
Cadmium	ug/L	75 - 125	537		1.00	U	500	107		P
Calcium	ug/L	75 - 125	71200		22300		50000	98		P
Chromium	ug/L	75 - 125	514		2.00	U	500	103		P
Cobalt	ug/L	75 - 125	531		0.62	J	500	106		P
Copper	ug/L	75 - 125	4950		0.83	J	5000	99		P
Iron	ug/L	75 - 125	29100		3220		25000	103		P
Lead	ug/L	75 - 125	2490		0.52	J	2500	100		P
Magnesium	ug/L	75 - 125	53900		4260		50000	99		P
Manganese	ug/L	75 - 125	5740		859		5000	98		P
Nickel	ug/L	75 - 125	510		0.65	J	500	102		P
Mercury	ug/L	75 - 125	3.28		0.20	U	4.0	82		CV
Potassium	ug/L	75 - 125	28500		3940		25000	98		P
Selenium	ug/L	75 - 125	543		5.00	U	500	109		P
Silver	ug/L	75 - 125	336		1.00	U	500	67	N	P
Sodium	ug/L	75 - 125	144000		96900		50000	95		P
Thallium	ug/L	75 - 125	521		1.00	U	500	104		P
Vanadium	ug/L	75 - 125	539		0.53	J	500	108		P
Zinc	ug/L	75 - 125	5050		3.92	J	5000	101		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** P3467

contract: JACO05 **lab code:** CHEM **case no.:** P3467 **sas no.:** P3467

matrix: Water **sample id:** P3440-01 **client id:** 923-K1-WS-080124MSD

Percent Solids for Sample: NA **Spiked ID:** P3440-03 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	9820		62.5		10000	98		P
Antimony	ug/L	75 - 125	528		2.00	U	500	106		P
Arsenic	ug/L	75 - 125	539		0.79	J	500	108		P
Barium	ug/L	75 - 125	2450		64.4		2500	95		P
Beryllium	ug/L	75 - 125	571		1.00	U	500	114		P
Cadmium	ug/L	75 - 125	540		1.00	U	500	108		P
Calcium	ug/L	75 - 125	72100		22300		50000	100		P
Chromium	ug/L	75 - 125	522		2.00	U	500	104		P
Cobalt	ug/L	75 - 125	540		0.62	J	500	108		P
Copper	ug/L	75 - 125	5030		0.83	J	5000	101		P
Iron	ug/L	75 - 125	29900		3220		25000	107		P
Lead	ug/L	75 - 125	2510		0.52	J	2500	100		P
Magnesium	ug/L	75 - 125	54400		4260		50000	100		P
Manganese	ug/L	75 - 125	5790		859		5000	99		P
Nickel	ug/L	75 - 125	522		0.65	J	500	104		P
Mercury	ug/L	75 - 125	3.17		0.20	U	4.0	79		CV
Potassium	ug/L	75 - 125	28900		3940		25000	100		P
Selenium	ug/L	75 - 125	537		5.00	U	500	107		P
Silver	ug/L	75 - 125	342		1.00	U	500	68	N	P
Sodium	ug/L	75 - 125	148000		96900		50000	102		P
Thallium	ug/L	75 - 125	532		1.00	U	500	106		P
Vanadium	ug/L	75 - 125	547		0.53	J	500	109		P
Zinc	ug/L	75 - 125	5150		3.92	J	5000	103		P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Matrix: Water **Level:** LOW **Client ID:** 923-K1-WS-080124A

Sample ID: P3440-01 **Spiked ID:** P3440-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	321		1.00	U	500	64		P

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Matrix: Water **Sample ID:** P3440-01 **Client ID:** 923-K1-WS-080124DUP

Percent Solids for Sample: NA **Duplicate ID** P3440-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	62.5		65.1		4		P
Antimony	ug/L	20	2.00	U	2.00	U			P
Arsenic	ug/L	20	0.79	J	0.85	J	7		P
Barium	ug/L	20	64.4		64.8		1		P
Beryllium	ug/L	20	1.00	U	1.00	U			P
Cadmium	ug/L	20	1.00	U	1.00	U			P
Calcium	ug/L	20	22300		22600		1		P
Chromium	ug/L	20	2.00	U	2.00	U			P
Cobalt	ug/L	20	0.62	J	0.61	J	2		P
Copper	ug/L	20	0.83	J	0.78	J	6		P
Iron	ug/L	20	3220		3290		2		P
Lead	ug/L	20	0.52	J	0.46	J	12		P
Magnesium	ug/L	20	4260		4320		1		P
Manganese	ug/L	20	859		883		3		P
Nickel	ug/L	20	0.65	J	0.55	J	17		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Potassium	ug/L	20	3940		4010		2		P
Selenium	ug/L	20	5.00	U	5.00	U			P
Silver	ug/L	20	1.00	U	1.00	U			P
Sodium	ug/L	20	96900		99600		3		P
Thallium	ug/L	20	1.00	U	1.00	U			P
Vanadium	ug/L	20	0.53	J	0.54	J	2		P
Zinc	ug/L	20	3.92	J	3.37	J	15		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: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Matrix: Water **Sample ID:** P3440-02 **Client ID:** 923-K1-WS-080124MSD

Percent Solids for Sample: NA **Duplicate ID** P3440-03 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	9730		9820		1		P
Antimony	ug/L	20	519		528		2		P
Arsenic	ug/L	20	539		539		0		P
Barium	ug/L	20	2470		2450		1		P
Beryllium	ug/L	20	565		571		1		P
Cadmium	ug/L	20	537		540		1		P
Calcium	ug/L	20	71200		72100		1		P
Chromium	ug/L	20	514		522		2		P
Cobalt	ug/L	20	531		540		2		P
Copper	ug/L	20	4950		5030		2		P
Iron	ug/L	20	29100		29900		3		P
Lead	ug/L	20	2490		2510		1		P
Magnesium	ug/L	20	53900		54400		1		P
Manganese	ug/L	20	5740		5790		1		P
Nickel	ug/L	20	510		522		2		P
Mercury	ug/L	20	3.28		3.17		3		CV
Potassium	ug/L	20	28500		28900		1		P
Selenium	ug/L	20	543		537		1		P
Silver	ug/L	20	336		342		2		P
Sodium	ug/L	20	144000		148000		3		P
Thallium	ug/L	20	521		532		2		P
Vanadium	ug/L	20	539		547		1		P
Zinc	ug/L	20	5050		5150		2		P

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

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB162680BS							
Mercury	ug/L	4.0	3.62		90	80 - 120	CV

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Case No.:** P3467 **SAS No.:** P3467

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB162950BS							
Aluminum	ug/L	10000	10500		105	80 - 120	P
Antimony	ug/L	500	499		100	80 - 120	P
Arsenic	ug/L	500	506		101	80 - 120	P
Barium	ug/L	2500	2510		100	80 - 120	P
Beryllium	ug/L	500	540		108	80 - 120	P
Cadmium	ug/L	500	500		100	80 - 120	P
Calcium	ug/L	50000	54500		109	80 - 120	P
Chromium	ug/L	500	516		103	80 - 120	P
Cobalt	ug/L	500	519		104	80 - 120	P
Copper	ug/L	5000	5230		105	80 - 120	P
Iron	ug/L	25000	28600		114	80 - 120	P
Lead	ug/L	2500	2530		101	80 - 120	P
Magnesium	ug/L	50000	53000		106	80 - 120	P
Manganese	ug/L	5000	5120		102	80 - 120	P
Nickel	ug/L	500	519		104	80 - 120	P
Potassium	ug/L	25000	25900		104	80 - 120	P
Selenium	ug/L	500	510		102	80 - 120	P
Silver	ug/L	500	518		104	80 - 120	P
Sodium	ug/L	50000	53800		108	80 - 120	P
Thallium	ug/L	500	508		102	80 - 120	P
Vanadium	ug/L	500	513		103	80 - 120	P
Zinc	ug/L	5000	5260		105	80 - 120	P

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	1438	100		100		100		100		100	
S2	S2	1442	101		102		103		102		100	
S3	S3	1445	105		103		103		101		103	
S4	S4	1448	109		104		104		102		104	
S5	S5	1451	111		104		101		100		105	
S6	S6	1454	114		101		103		99		105	
S7	S7	1457	112		104		105		98		105	
S8	S8	1459	110		101		99		88		101	
ICV01	ICV01	1638	107		105		105		104		103	
LLICV	LLICV	1702	103		104		104		103		102	
ICB01	ICB01	1705	105		105		106		105		105	
ICSA01	ICSA01	1708	114		106		103		97		104	
ICSAB01	ICSAB01	1711	107		105		105		98		107	
CCV01	CCV01	1714	109		105		105		96		105	
CCB01	CCB01	1723	106		103		103		103		103	
CRI	CRI	1726	105		102		101		102		103	
PB162950BL	PB162950BL	1731	107		103		102		99		101	
PB162950BS	PB162950BS	1734	110		105		104		98		105	
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
ZZZZZZ	ZZZZZZ	1747										
ZZZZZZ	ZZZZZZ	1750										
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1757										
P3467-01	919-J-WS-08	1800	114		104		101		99		103	
CCV02	CCV02	1803	113		104		104		94		104	
CCB02	CCB02	1809	108		104		103		102		102	
ZZZZZZ	ZZZZZZ	1813										
P3440-01DUP	923-K1-WS-0	1816	113		107		105		101		105	
P3440-01L	923-K1-WS-0	1819	114		106		105		105		104	
ZZZZZZ	ZZZZZZ	1822										
P3440-02	923-K1-WS-0	1825	116		109		106		103		108	
P3440-03	923-K1-WS-0	1828	115		108		105		100		106	
P3440-01A	923-K1-WS-0	1831	117		109		106		102		107	
ZZZZZZ	ZZZZZZ	1834										
ZZZZZZ	ZZZZZZ	1837										

Internal Standard %RI Limit: 70 - 130

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	1840										
CCV03	CCV03	1843	118		107		105		96		106	
CCB03	CCB03	1849	109		103		102		102		101	
ZZZZZZ	ZZZZZZ	1855										
ZZZZZZ	ZZZZZZ	1858										
ZZZZZZ	ZZZZZZ	1902										
ZZZZZZ	ZZZZZZ	1905										
ZZZZZZ	ZZZZZZ	1908										
ZZZZZZ	ZZZZZZ	1911										
ZZZZZZ	ZZZZZZ	1914										
ZZZZZZ	ZZZZZZ	1917										
ZZZZZZ	ZZZZZZ	1921										
ZZZZZZ	ZZZZZZ	1924										
CCV04	CCV04	1927	108		106		105		98		104	
CCB04	CCB04	1933	107		108		104		105		104	
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1948										
ZZZZZZ	ZZZZZZ	1951										
ZZZZZZ	ZZZZZZ	1954										
ZZZZZZ	ZZZZZZ	1958										
ZZZZZZ	ZZZZZZ	2001										
ZZZZZZ	ZZZZZZ	2004										
ZZZZZZ	ZZZZZZ	2007										
ZZZZZZ	ZZZZZZ	2011										
CCV05	CCV05	2014	109		107		106		97		105	
CCB05	CCB05	2029	101		105		103		101		99	
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2039										
ZZZZZZ	ZZZZZZ	2042										
ZZZZZZ	ZZZZZZ	2045										
ZZZZZZ	ZZZZZZ	2048										
ZZZZZZ	ZZZZZZ	2051										
ZZZZZZ	ZZZZZZ	2054										
ZZZZZZ	ZZZZZZ	2056										

Internal Standard %RI Limit: 70 - 130

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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
P3440-02	923-K1-WS-02	2059	113		104		104		98		104	
CCV06	CCV06	2102	119		108		105		96		105	
CCB06	CCB06	2114	109		105		102		102		101	
P3440-03	923-K1-WS-02	2117	112		107		104		99		104	
P3440-01A	923-K1-WS-02	2120	89		82		80		76		80	
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2126										
ZZZZZZ	ZZZZZZ	2129										
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										
ZZZZZZ	ZZZZZZ	2144										
CCV07	CCV07	2147	115		108		106		95		105	
CCB07	CCB07	2155	109		108		107		105		105	
ZZZZZZ	ZZZZZZ	2200										
ZZZZZZ	ZZZZZZ	2203										
ZZZZZZ	ZZZZZZ	2206										
ZZZZZZ	ZZZZZZ	2209										
ZZZZZZ	ZZZZZZ	2212										
ZZZZZZ	ZZZZZZ	2216										
ZZZZZZ	ZZZZZZ	2219										
ZZZZZZ	ZZZZZZ	2222										
ZZZZZZ	ZZZZZZ	2225										
ZZZZZZ	ZZZZZZ	2228										
CCV08	CCV08	2231	110		109		108		100		107	
CCB08	CCB08	2250	103		108		105		104		102	
ZZZZZZ	ZZZZZZ	2254										
ZZZZZZ	ZZZZZZ	2257										
ZZZZZZ	ZZZZZZ	2300										
ZZZZZZ	ZZZZZZ	2303										
ZZZZZZ	ZZZZZZ	2306										
ZZZZZZ	ZZZZZZ	2309										
ZZZZZZ	ZZZZZZ	2312										
ZZZZZZ	ZZZZZZ	2315										
ZZZZZZ	ZZZZZZ	2319										

Internal Standard %RI Limit: 70 - 130

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	2322										
CCV09	CCV09	2334	106		107		102		94		101	
CCB09	CCB09	2343	107		109		105		103		101	
ZZZZZZ	ZZZZZZ	2346										
ZZZZZZ	ZZZZZZ	2350										
ZZZZZZ	ZZZZZZ	2353										
ZZZZZZ	ZZZZZZ	2356										
ZZZZZZ	ZZZZZZ	2359										
ZZZZZZ	ZZZZZZ	0003										
ZZZZZZ	ZZZZZZ	0006										
ZZZZZZ	ZZZZZZ	0009										
ZZZZZZ	ZZZZZZ	0012										
ZZZZZZ	ZZZZZZ	0014										
CCV10	CCV10	0042	110		108		104		95		102	
CCB10	CCB10	0052	114		109		105		103		102	
ZZZZZZ	ZZZZZZ	0055										
ZZZZZZ	ZZZZZZ	0058										
P3440-01A	923-K1-WS-0	0115	119		110		104		98		103	
CCV11	CCV11	0117	120		107		103		94		102	
CCB11	CCB11	0130	109		107		102		102		100	

Internal Standard %RI Limit: 70 - 130

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	1438	100		100		100		100		100	
S2	S2	1442	103		102		102		101		103	
S3	S3	1445	104		103		102		103		105	
S4	S4	1448	102		102		102		104		106	
S5	S5	1451	99		98		98		104		105	
S6	S6	1454	97		99		97		105		106	
S7	S7	1457	99		100		98		106		108	
S8	S8	1459	98		97		88		101		103	
ICV01	ICV01	1638	102		101		101		103		104	
LLICV	LLICV	1702	104		104		104		103		104	
ICB01	ICB01	1705	105		103		103		103		106	
ICSA01	ICSA01	1708	98		99		96		104		107	
ICSAB01	ICSAB01	1711	99		101		98		104		105	
CCV01	CCV01	1714	100		100		95		105		107	
CCB01	CCB01	1723	99		100		102		102		104	
CRI	CRI	1726	99		99		103		102		104	
PB162950BL	PB162950BL	1731	99		99		101		101		102	
PB162950BS	PB162950BS	1734	97		99		97		104		106	
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
ZZZZZZ	ZZZZZZ	1747										
ZZZZZZ	ZZZZZZ	1750										
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1757										
P3467-01	919-J-WS-08	1800	100		103		102		106		108	
CCV02	CCV02	1803	98		99		94		105		106	
CCB02	CCB02	1809	101		101		102		103		106	
ZZZZZZ	ZZZZZZ	1813										
P3440-01DUP	923-K1-WS-0	1816	101		102		102		105		107	
P3440-01L	923-K1-WS-0	1819	101		102		104		105		106	
ZZZZZZ	ZZZZZZ	1822										
P3440-02	923-K1-WS-0	1825	104		104		101		108		110	
P3440-03	923-K1-WS-0	1828	101		103		100		106		109	
P3440-01A	923-K1-WS-0	1831	103		102		100		107		110	
ZZZZZZ	ZZZZZZ	1834										
ZZZZZZ	ZZZZZZ	1837										

Internal Standard %RI Limit: 70 - 130

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	1840										
CCV03	CCV03	1843	101		99		95		105		109	
CCB03	CCB03	1849	102		102		104		104		106	
ZZZZZZ	ZZZZZZ	1855										
ZZZZZZ	ZZZZZZ	1858										
ZZZZZZ	ZZZZZZ	1902										
ZZZZZZ	ZZZZZZ	1905										
ZZZZZZ	ZZZZZZ	1908										
ZZZZZZ	ZZZZZZ	1911										
ZZZZZZ	ZZZZZZ	1914										
ZZZZZZ	ZZZZZZ	1917										
ZZZZZZ	ZZZZZZ	1921										
ZZZZZZ	ZZZZZZ	1924										
CCV04	CCV04	1927	100		100		96		105		107	
CCB04	CCB04	1933	103		105		106		105		106	
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1948										
ZZZZZZ	ZZZZZZ	1951										
ZZZZZZ	ZZZZZZ	1954										
ZZZZZZ	ZZZZZZ	1958										
ZZZZZZ	ZZZZZZ	2001										
ZZZZZZ	ZZZZZZ	2004										
ZZZZZZ	ZZZZZZ	2007										
ZZZZZZ	ZZZZZZ	2011										
CCV05	CCV05	2014	99		101		95		106		106	
CCB05	CCB05	2029	102		104		104		104		104	
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2039										
ZZZZZZ	ZZZZZZ	2042										
ZZZZZZ	ZZZZZZ	2045										
ZZZZZZ	ZZZZZZ	2048										
ZZZZZZ	ZZZZZZ	2051										
ZZZZZZ	ZZZZZZ	2054										
ZZZZZZ	ZZZZZZ	2056										

Internal Standard %RI Limit: 70 - 130

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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
P3440-02	923-K1-WS-02	2059	98		100		97		104		107	
CCV06	CCV06	2102	99		101		97		107		109	
CCB06	CCB06	2114	99		100		102		102		104	
P3440-03	923-K1-WS-02	2117	99		102		99		104		106	
P3440-01A	923-K1-WS-02	2120	100		102		100		106		107	
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2126										
ZZZZZZ	ZZZZZZ	2129										
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										
ZZZZZZ	ZZZZZZ	2144										
CCV07	CCV07	2147	101		103		96		104		108	
CCB07	CCB07	2155	103		105		105		106		107	
ZZZZZZ	ZZZZZZ	2200										
ZZZZZZ	ZZZZZZ	2203										
ZZZZZZ	ZZZZZZ	2206										
ZZZZZZ	ZZZZZZ	2209										
ZZZZZZ	ZZZZZZ	2212										
ZZZZZZ	ZZZZZZ	2216										
ZZZZZZ	ZZZZZZ	2219										
ZZZZZZ	ZZZZZZ	2222										
ZZZZZZ	ZZZZZZ	2225										
ZZZZZZ	ZZZZZZ	2228										
CCV08	CCV08	2231	101		105		98		108		110	
CCB08	CCB08	2250	104		105		107		105		105	
ZZZZZZ	ZZZZZZ	2254										
ZZZZZZ	ZZZZZZ	2257										
ZZZZZZ	ZZZZZZ	2300										
ZZZZZZ	ZZZZZZ	2303										
ZZZZZZ	ZZZZZZ	2306										
ZZZZZZ	ZZZZZZ	2309										
ZZZZZZ	ZZZZZZ	2312										
ZZZZZZ	ZZZZZZ	2315										
ZZZZZZ	ZZZZZZ	2319										

Internal Standard %RI Limit: 70 - 130

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: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	2322										
CCV09	CCV09	2334	98		101		95		103		105	
CCB09	CCB09	2343	102		105		106		104		107	
ZZZZZZ	ZZZZZZ	2346										
ZZZZZZ	ZZZZZZ	2350										
ZZZZZZ	ZZZZZZ	2353										
ZZZZZZ	ZZZZZZ	2356										
ZZZZZZ	ZZZZZZ	2359										
ZZZZZZ	ZZZZZZ	0003										
ZZZZZZ	ZZZZZZ	0006										
ZZZZZZ	ZZZZZZ	0009										
ZZZZZZ	ZZZZZZ	0012										
ZZZZZZ	ZZZZZZ	0014										
CCV10	CCV10	0042	99		103		96		106		107	
CCB10	CCB10	0052	100		105		105		104		106	
ZZZZZZ	ZZZZZZ	0055										
ZZZZZZ	ZZZZZZ	0058										
P3440-01A	923-K1-WS-0	0115	98		101		99		105		106	
CCV11	CCV11	0117	96		100		95		104		109	
CCB11	CCB11	0130	100		105		106		107		108	

Internal Standard %RI Limit: 70 - 130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	1438	100		100							
S2	S2	1442	103		103							
S3	S3	1445	104		104							
S4	S4	1448	104		103							
S5	S5	1451	105		105							
S6	S6	1454	107		105							
S7	S7	1457	107		104							
S8	S8	1459	104		93							
ICV01	ICV01	1638	105		107							
LLICV	LLICV	1702	103		105							
ICB01	ICB01	1705	104		105							
ICSA01	ICSA01	1708	107		104							
ICSAB01	ICSAB01	1711	108		105							
CCV01	CCV01	1714	108		104							
CCB01	CCB01	1723	103		106							
CRI	CRI	1726	103		105							
PB162950BL	PB162950BL	1731	102		105							
PB162950BS	PB162950BS	1734	106		105							
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
ZZZZZZ	ZZZZZZ	1747										
ZZZZZZ	ZZZZZZ	1750										
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1757										
P3467-01	919-J-WS-08(	1800	104		105							
CCV02	CCV02	1803	106		102							
CCB02	CCB02	1809	103		106							
ZZZZZZ	ZZZZZZ	1813										
P3440-01DUP	923-K1-WS-08	1816	105		105							
P3440-01L	923-K1-WS-08	1819	105		108							
ZZZZZZ	ZZZZZZ	1822										
P3440-02	923-K1-WS-08	1825	109		107							
P3440-03	923-K1-WS-08	1828	107		105							
P3440-01A	923-K1-WS-08	1831	110		106							

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	1834										
ZZZZZZ	ZZZZZZ	1837										
ZZZZZZ	ZZZZZZ	1840										
CCV03	CCV03	1843	107		103							
CCB03	CCB03	1849	101		105							
ZZZZZZ	ZZZZZZ	1855										
ZZZZZZ	ZZZZZZ	1858										
ZZZZZZ	ZZZZZZ	1902										
ZZZZZZ	ZZZZZZ	1905										
ZZZZZZ	ZZZZZZ	1908										
ZZZZZZ	ZZZZZZ	1911										
ZZZZZZ	ZZZZZZ	1914										
ZZZZZZ	ZZZZZZ	1917										
ZZZZZZ	ZZZZZZ	1921										
ZZZZZZ	ZZZZZZ	1924										
CCV04	CCV04	1927	107		102							
CCB04	CCB04	1933	104		107							
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1948										
ZZZZZZ	ZZZZZZ	1951										
ZZZZZZ	ZZZZZZ	1954										
ZZZZZZ	ZZZZZZ	1958										
ZZZZZZ	ZZZZZZ	2001										
ZZZZZZ	ZZZZZZ	2004										
ZZZZZZ	ZZZZZZ	2007										
ZZZZZZ	ZZZZZZ	2011										
CCV05	CCV05	2014	106		102							
CCB05	CCB05	2029	99		104							
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2039										
ZZZZZZ	ZZZZZZ	2042										
ZZZZZZ	ZZZZZZ	2045										

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	2048										
ZZZZZZ	ZZZZZZ	2051										
ZZZZZZ	ZZZZZZ	2054										
ZZZZZZ	ZZZZZZ	2056										
P3440-02	923-K1-WS-08	2059	104		104							
CCV06	CCV06	2102	107		103							
CCB06	CCB06	2114	100		106							
P3440-03	923-K1-WS-08	2117	106		105							
P3440-01A	923-K1-WS-08	2120	80		80							
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2126										
ZZZZZZ	ZZZZZZ	2129										
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										
ZZZZZZ	ZZZZZZ	2144										
CCV07	CCV07	2147	106		101							
CCB07	CCB07	2155	106		109							
ZZZZZZ	ZZZZZZ	2200										
ZZZZZZ	ZZZZZZ	2203										
ZZZZZZ	ZZZZZZ	2206										
ZZZZZZ	ZZZZZZ	2209										
ZZZZZZ	ZZZZZZ	2212										
ZZZZZZ	ZZZZZZ	2216										
ZZZZZZ	ZZZZZZ	2219										
ZZZZZZ	ZZZZZZ	2222										
ZZZZZZ	ZZZZZZ	2225										
ZZZZZZ	ZZZZZZ	2228										
CCV08	CCV08	2231	108		103							
CCB08	CCB08	2250	101		105							
ZZZZZZ	ZZZZZZ	2254										
ZZZZZZ	ZZZZZZ	2257										
ZZZZZZ	ZZZZZZ	2300										

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

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	2303										
ZZZZZZ	ZZZZZZ	2306										
ZZZZZZ	ZZZZZZ	2309										
ZZZZZZ	ZZZZZZ	2312										
ZZZZZZ	ZZZZZZ	2315										
ZZZZZZ	ZZZZZZ	2319										
ZZZZZZ	ZZZZZZ	2322										
CCV09	CCV09	2334	102		97							
CCB09	CCB09	2343	103		105							
ZZZZZZ	ZZZZZZ	2346										
ZZZZZZ	ZZZZZZ	2350										
ZZZZZZ	ZZZZZZ	2353										
ZZZZZZ	ZZZZZZ	2356										
ZZZZZZ	ZZZZZZ	2359										
ZZZZZZ	ZZZZZZ	0003										
ZZZZZZ	ZZZZZZ	0006										
ZZZZZZ	ZZZZZZ	0009										
ZZZZZZ	ZZZZZZ	0012										
ZZZZZZ	ZZZZZZ	0014										
CCV10	CCV10	0042	103		98							
CCB10	CCB10	0052	102		106							
ZZZZZZ	ZZZZZZ	0055										
ZZZZZZ	ZZZZZZ	0058										
P3440-01A	923-K1-WS-08	0115	102		102							
CCV11	CCV11	0117	104		100							
CCB11	CCB11	0130	102		102							

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1438	100									
S2	S2	1442	102									
S3	S3	1445	103									
S4	S4	1448	104									
S5	S5	1451	102									
S6	S6	1454	101									
S7	S7	1457	102									
S8	S8	1459	92									
ICV01	ICV01	1638	105									
LLICV	LLICV	1702	104									
ICB01	ICB01	1705	105									
ICSA01	ICSA01	1708	102									
ICSAB01	ICSAB01	1711	100									
CCV01	CCV01	1714	100									
CCB01	CCB01	1723	104									
CRI	CRI	1726	103									
PB162950BL	PB162950BL	1731	104									
PB162950BS	PB162950BS	1734	103									
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
ZZZZZZ	ZZZZZZ	1747										
ZZZZZZ	ZZZZZZ	1750										
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1757										
P3467-01	919-J-WS-08(	1800	108									
CCV02	CCV02	1803	100									
CCB02	CCB02	1809	106									
ZZZZZZ	ZZZZZZ	1813										
P3440-01DUP	923-K1-WS-08	1816	106									
P3440-01L	923-K1-WS-08	1819	106									
ZZZZZZ	ZZZZZZ	1822										
P3440-02	923-K1-WS-08	1825	106									
P3440-03	923-K1-WS-08	1828	105									
P3440-01A	923-K1-WS-08	1831	106									

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1834										
ZZZZZZ	ZZZZZZ	1837										
ZZZZZZ	ZZZZZZ	1840										
CCV03	CCV03	1843	101									
CCB03	CCB03	1849	108									
ZZZZZZ	ZZZZZZ	1855										
ZZZZZZ	ZZZZZZ	1858										
ZZZZZZ	ZZZZZZ	1902										
ZZZZZZ	ZZZZZZ	1905										
ZZZZZZ	ZZZZZZ	1908										
ZZZZZZ	ZZZZZZ	1911										
ZZZZZZ	ZZZZZZ	1914										
ZZZZZZ	ZZZZZZ	1917										
ZZZZZZ	ZZZZZZ	1921										
ZZZZZZ	ZZZZZZ	1924										
CCV04	CCV04	1927	100									
CCB04	CCB04	1933	108									
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1940										
ZZZZZZ	ZZZZZZ	1948										
ZZZZZZ	ZZZZZZ	1951										
ZZZZZZ	ZZZZZZ	1954										
ZZZZZZ	ZZZZZZ	1958										
ZZZZZZ	ZZZZZZ	2001										
ZZZZZZ	ZZZZZZ	2004										
ZZZZZZ	ZZZZZZ	2007										
ZZZZZZ	ZZZZZZ	2011										
CCV05	CCV05	2014	100									
CCB05	CCB05	2029	105									
ZZZZZZ	ZZZZZZ	2032										
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2039										
ZZZZZZ	ZZZZZZ	2042										
ZZZZZZ	ZZZZZZ	2045										

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2048										
ZZZZZZ	ZZZZZZ	2051										
ZZZZZZ	ZZZZZZ	2054										
ZZZZZZ	ZZZZZZ	2056										
P3440-02	923-K1-WS-08	2059	103									
CCV06	CCV06	2102	102									
CCB06	CCB06	2114	106									
P3440-03	923-K1-WS-08	2117	104									
P3440-01A	923-K1-WS-08	2120	105									
ZZZZZZ	ZZZZZZ	2122										
ZZZZZZ	ZZZZZZ	2126										
ZZZZZZ	ZZZZZZ	2129										
ZZZZZZ	ZZZZZZ	2132										
ZZZZZZ	ZZZZZZ	2135										
ZZZZZZ	ZZZZZZ	2138										
ZZZZZZ	ZZZZZZ	2141										
ZZZZZZ	ZZZZZZ	2144										
CCV07	CCV07	2147	103									
CCB07	CCB07	2155	109									
ZZZZZZ	ZZZZZZ	2200										
ZZZZZZ	ZZZZZZ	2203										
ZZZZZZ	ZZZZZZ	2206										
ZZZZZZ	ZZZZZZ	2209										
ZZZZZZ	ZZZZZZ	2212										
ZZZZZZ	ZZZZZZ	2216										
ZZZZZZ	ZZZZZZ	2219										
ZZZZZZ	ZZZZZZ	2222										
ZZZZZZ	ZZZZZZ	2225										
ZZZZZZ	ZZZZZZ	2228										
CCV08	CCV08	2231	103									
CCB08	CCB08	2250	107									
ZZZZZZ	ZZZZZZ	2254										
ZZZZZZ	ZZZZZZ	2257										
ZZZZZZ	ZZZZZZ	2300										

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: CHEM Case no.: P3467 Sas No.: P3467 SDG No.: P3467

Instrument ID: P7 Start Date : 08/25/2024

Run Number: LB132155 End Date : 08/26/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	2303										
ZZZZZZ	ZZZZZZ	2306										
ZZZZZZ	ZZZZZZ	2309										
ZZZZZZ	ZZZZZZ	2312										
ZZZZZZ	ZZZZZZ	2315										
ZZZZZZ	ZZZZZZ	2319										
ZZZZZZ	ZZZZZZ	2322										
CCV09	CCV09	2334	98									
CCB09	CCB09	2343	108									
ZZZZZZ	ZZZZZZ	2346										
ZZZZZZ	ZZZZZZ	2350										
ZZZZZZ	ZZZZZZ	2353										
ZZZZZZ	ZZZZZZ	2356										
ZZZZZZ	ZZZZZZ	2359										
ZZZZZZ	ZZZZZZ	0003										
ZZZZZZ	ZZZZZZ	0006										
ZZZZZZ	ZZZZZZ	0009										
ZZZZZZ	ZZZZZZ	0012										
ZZZZZZ	ZZZZZZ	0014										
CCV10	CCV10	0042	100									
CCB10	CCB10	0052	107									
ZZZZZZ	ZZZZZZ	0055										
ZZZZZZ	ZZZZZZ	0058										
P3440-01A	923-K1-WS-08	0115	105									
CCV11	CCV11	0117	100									
CCB11	CCB11	0130	109									

Internal Standard %RI Limit: 70 -130

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

923-K1-WS-080124L

Lab Name: Chemtech Consulting Group **Contract:** JACO05

Lab Code: CHEM **Lb No.:** lb132155 **Lab Sample ID :** P3440-01L **SDG No.:** P3467

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	62.5		169		171		P
Antimony	2.00	U	10.0	U			P
Arsenic	0.79	J	0.90	J	14		P
Barium	64.4		61.2		5		P
Beryllium	1.00	U	5.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	22300		21500		3		P
Chromium	2.00	U	10.0	U			P
Cobalt	0.62	J	0.50	J	19		P
Copper	0.83	J	10.0	U	100.0		P
Iron	3220		3150		2		P
Lead	0.52	J	5.00	U	100.0		P
Magnesium	4260		4100		4		P
Manganese	859		857		0		P
Nickel	0.65	J	5.00	U	100.0		P
Mercury	0.20	U	1.00	U			CV
Potassium	3940		3780		4		P
Selenium	5.00	U	25.0	U			P
Silver	1.00	U	5.00	U			P
Sodium	96900		92900		4		P
Thallium	1.00	U	5.00	U			P
Vanadium	0.53	J	0.50	J	6		P
Zinc	3.92	J	8.10	J	107		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: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Method:**

Case No.: P3467 **SAS No.:** P3467

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB162680**						
P3440-01DUP	923-K1-WS-080124DUP	DUP	WATER	08/12/2024	30.0	30.0	
P3440-02	923-K1-WS-080124MS	MS	WATER	08/12/2024	30.0	30.0	
P3440-03	923-K1-WS-080124MSD	MSD	WATER	08/12/2024	30.0	30.0	
P3467-01	919-J-WS-080224	SAM	WATER	08/12/2024	30.0	30.0	
PB162680BL	PB162680BL	MB	WATER	08/12/2024	30.0	30.0	
PB162680BS	PB162680BS	LCS	WATER	08/12/2024	30.0	30.0	

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** P3467

Contract: JACO05 **Lab Code:** CHEM **Method:**

Case No.: P3467 **SAS No.:** P3467

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB162950**						
P3440-01DUP	923-K1-WS-080124DUP	DUP	WATER	08/23/2024	50.0	50.0	
P3440-02	923-K1-WS-080124MS	MS	WATER	08/23/2024	50.0	50.0	
P3440-03	923-K1-WS-080124MSD	MSD	WATER	08/23/2024	50.0	50.0	
P3467-01	919-J-WS-080224	SAM	WATER	08/23/2024	50.0	50.0	
PB162950BL	PB162950BL	MB	WATER	08/23/2024	50.0	50.0	
PB162950BS	PB162950BS	LCS	WATER	08/23/2024	50.0	50.0	

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P3467 **Sas no.:** P3467 **Sdg no.:** P3467

Instrument id number: **Method:** **Run number:** LB131960

Start date: 08/13/2024 **End date:** 08/13/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0836	HG
S0.2	S0.2	1	0839	HG
S2.5	S2.5	1	0841	HG
S5	S5	1	0843	HG
S7.5	S7.5	1	0845	HG
S10	S10	1	0850	HG
ICV72	ICV72	1	0853	HG
ICB72	ICB72	1	0855	HG
CCV35	CCV35	1	0858	HG
CCB35	CCB35	1	0903	HG
CRA	CRA	1	0910	HG
CCV36	CCV36	1	0933	HG
CCB36	CCB36	1	0935	HG
CCV37	CCV37	1	1000	HG
CCB37	CCB37	1	1005	HG
PB162680BL	PB162680BL	1	1007	HG
PB162680BS	PB162680BS	1	1009	HG
P3440-01DUP	923-K1-WS-080124DUP	1	1025	HG
P3440-02	923-K1-WS-080124MS	1	1028	HG
CCV38	CCV38	1	1030	HG
CCB38	CCB38	1	1035	HG
P3440-03	923-K1-WS-080124MSD	1	1037	HG
P3467-01	919-J-WS-080224	1	1049	HG
CCV39	CCV39	1	1058	HG
CCB39	CCB39	1	1104	HG
P3440-01L	923-K1-WS-080124L	5	1119	HG
CCV40	CCV40	1	1124	HG
CCB40	CCB40	1	1126	HG

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P3467 **Sas no.:** P3467 **Sdg no.:** P3467

Instrument id number: **Method:** **Run number:** LB132155

Start date: 08/25/2024 **End date:** 08/26/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1438	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1442	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1445	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1448	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1454	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1457	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1459	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1638	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV	LLICV	1	1702	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1705	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1708	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1711	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1714	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1723	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1726	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB162950BL	PB162950BL	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB162950BS	PB162950BS	1	1734	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P3467-01	919-J-WS-080224	1	1800	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1803	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1809	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P3440-01DUP	923-K1-WS-080124DUP	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P3440-01L	923-K1-WS-080124L	5	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P3440-02	923-K1-WS-080124MS	1	1825	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P3440-03	923-K1-WS-080124MSD	1	1828	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1843	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1849	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1927	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1933	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	2014	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2029	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2102	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2114	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	2147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2155	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2231	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2334	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	0042	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	0052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** P3467 **Sas no.:** P3467 **Sdg no.:** P3467

Instrument id number: **Method:** **Run number:** LB132155

Start date: 08/25/2024 **End date:** 08/26/2024

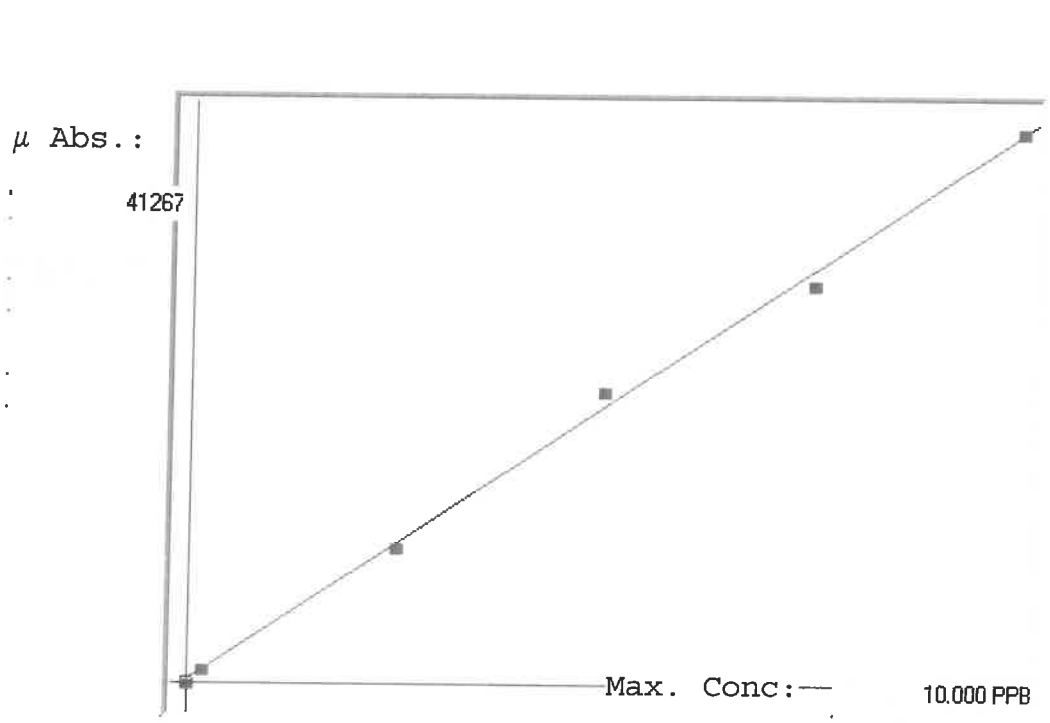
Lab sample id.	Client Sample Id	d/f	Time	Parameter list
P3440-01A	923-K1-WS-080124A	1	0115	Ag
CCV11	CCV11	1	0117	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	0130	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL
RAW DATA

Reviewed By:mohan
On:8/13/2024 10:47:32 PM
Inst Id :CV1
LB :LB131960

LB131960

7470A INSTRUMENT ID: CV1



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%D
0.0	0.000	-0.028	-0.028	123	0.000	123	0				1
0.2	0.200	0.194	-0.006	1032	0.0 %	1032					3
2.5	2.500	2.456	-0.044	10275	0.0 %	10275					2
5.0	5.000	5.292	0.292	21867	0.0 %	21867					6
7.5	7.500	7.247	-0.253	29857	0.0 %	29857					3
10.0	10.000	10.039	0.039	41267	0.0 %	41267					0

Reviewed By:mohan
On:8/13/2024 10:47:32 PM
Inst Id :CV1
LB :LB131960

LB131960 INSTRUMKENT ID : CV1

Method: 7470A Operator: Admin Date of Analysis: 13 Aug 2024 08:29:57

Sample ID	Extended ID	µ Abs.	Conc.	Stnd Conc	Method	Units	Date	Type	Type
0.0 - 1	50	123	-	0.00000	7470A	PPB	13 Aug 2024 08:36:49	S	Std
0.2 - 1	50.2	1032	-	0.20000	7470A	PPB	13 Aug 2024 08:39:05	S	Std
2.5 - 1	52.5	10275	-	2.50000	7470A	PPB	13 Aug 2024 08:41:23	S	Std
5.0 - 1	55	21867	-	5.00000	7470A	PPB	13 Aug 2024 08:43:40	S	Std
7.5 - 1	57.5	29857	-	7.50000	7470A	PPB	13 Aug 2024 08:45:57	S	Std
10.0 - 1	510	41267	-	10.00000	7470A	PPB	13 Aug 2024 08:50:50	S	Std
ICV72 - 1	ICV72	16618	4.0078		-7470A	PPB	13 Aug 2024 08:53:41	U	SMPL
ICB72 - 1	ICB72	-81	-0.0784		-7470A	PPB	13 Aug 2024 08:55:55	U	SMPL
CCV35 - 1	CCV35	18763	4.5327		-7470A	PPB	13 Aug 2024 08:58:12	U	SMPL
CCB35 - 1	CCB35	-64	-0.0742		-7470A	PPB	13 Aug 2024 09:03:02	U	SMPL
CRA - 1	CRA	1203	0.2358		-7470A	PPB	13 Aug 2024 09:10:24	U	SMPL
HighStd - 1	HighStd	41121	10.0035		-7470A	PPB	13 Aug 2024 09:12:39	U	SMPL
ChkStd - 1	ChkStd	27661	6.7100		-7470A	PPB	13 Aug 2024 09:14:54	U	SMPL
PB162665BL - 1	PBW	-169	-0.0999		-7470A	PPB	13 Aug 2024 09:17:12	U	SMPL
PB162665BS - 1	LCSW	16637	4.0124		-7470A	PPB	13 Aug 2024 09:19:29	U	SMPL
P3526-02 - 1	SP-1-COMP	-178	-0.1021		-7470A	PPB	13 Aug 2024 09:21:45	U	SMPL
P3534-01 - 1	PIPE-BLAST-GRIT	6	-0.0571		-7470A	PPB	13 Aug 2024 09:24:03	U	SMPL
P3534-03 - 1	HP-IP	24	-0.0527		-7470A	PPB	13 Aug 2024 09:26:20	U	SMPL
P3534-03DUP - 1	HP-IPDUP	31	-0.0510		-7470A	PPB	13 Aug 2024 09:28:37	U	SMPL
P3534-03MS - 1	HP-IPMS	19735	4.7705		-7470A	PPB	13 Aug 2024 09:30:53	U	SMPL
CCV36 - 1	CCV36	19728	4.7688		-7470A	PPB	13 Aug 2024 09:33:08	U	SMPL
CCB36 - 1	CCB36	-104	-0.0840		-7470A	PPB	13 Aug 2024 09:35:25	U	SMPL
P3534-03MSD - 1	HP-IPMSD	15594	3.7572		-7470A	PPB	13 Aug 2024 09:37:42	U	SMPL
PB162681BL - 1	PBW	-62	-0.0737		-7470A	PPB	13 Aug 2024 09:39:57	U	SMPL
PB162681BS - 1	LCSW	16751	4.0403		-7470A	PPB	13 Aug 2024 09:42:14	U	SMPL
P3530-02 - 1	WC-A-04-202408	-188	-0.1045		-7470A	PPB	13 Aug 2024 09:44:29	U	SMPL
P3530-02DUP - 1	WC-A-04-202408DUP	-28	-0.0654		-7470A	PPB	13 Aug 2024 09:46:47	U	SMPL
P3530-02MS - 1	WC-A-04-202408MS	14987	3.6087		-7470A	PPB	13 Aug 2024 09:49:03	U	SMPL
P3530-02MSD - 1	WC-A-04-202408MSD	13826	3.3246		-7470A	PPB	13 Aug 2024 09:51:19	U	SMPL
P3530-03 - 1	WC-A-05-202408	-95	-0.0818		-7470A	PPB	13 Aug 2024 09:53:38	U	SMPL
P3534-05 - 1	PIPE-BLAST-GRIT(FB)	11	-0.0558		-7470A	PPB	13 Aug 2024 09:55:57	U	SMPL
P3534-06 - 1	HP-IP(FB)	32	-0.0507		-7470A	PPB	13 Aug 2024 09:58:13	U	SMPL
CCV37 - 1	CCV37	20451	4.9457		-7470A	PPB	13 Aug 2024 10:00:28	U	SMPL
CCB37 - 1	CCB37	14	-0.0551		-7470A	PPB	13 Aug 2024 10:05:27	U	SMPL
PB162680BL - 1	PBW	120	-0.0292		-7470A	PPB	13 Aug 2024 10:07:43	U	SMPL
PB162680BS - 1	LCSW	15043	3.6224		-7470A	PPB	13 Aug 2024 10:09:58	U	SMPL
P3426-01 - 1	927-K1-WS-073124	-94	-0.0815		-7470A	PPB	13 Aug 2024 10:12:13	U	SMPL
P3426-02 - 1	927-K1-WS-073124-FD	31	-0.0510		-7470A	PPB	13 Aug 2024 10:14:30	U	SMPL
P3429-01 - 1	926-K1-WS-073124	6	-0.0571		-7470A	PPB	13 Aug 2024 10:16:46	U	SMPL
P3429-02 - 1	931-K1-WS-073124	309	0.0171		-7470A	PPB	13 Aug 2024 10:19:02	U	SMPL
P3429-03 - 1	925-K1-WS-073124	778	0.1318		-7470A	PPB	13 Aug 2024 10:21:19	U	SMPL
P3440-01 - 1	923-K1-WS-080124	-109	-0.0852		-7470A	PPB	13 Aug 2024 10:23:35	U	SMPL
P3440-01DUP - 1	923-K1-WS-080124DUP	17	-0.0544		-7470A	PPB	13 Aug 2024 10:25:53	U	SMPL
P3440-02 - 1	P3440-01MS	13643	3.2798		-7470A	PPB	13 Aug 2024 10:28:09	U	SMPL
CCV38 - 1	CCV38	20089	4.8571		-7470A	PPB	13 Aug 2024 10:30:24	U	SMPL
CCB38 - 1	CCB38	14	-0.0551		-7470A	PPB	13 Aug 2024 10:35:27	U	SMPL
P3440-03 - 1	P3440-01MSD	13205	3.1727		-7470A	PPB	13 Aug 2024 10:37:42	U	SMPL
P3440-04 - 1	922-K1-WS-080124	-73	-0.0764		-7470A	PPB	13 Aug 2024 10:39:57	U	SMPL
P3451-01 - 1	921-J-WS-080124	37	-0.0495		-7470A	PPB	13 Aug 2024 10:42:15	U	SMPL
P3457-01 - 1	924-K1-WS-080224	100	-0.0341		-7470A	PPB	13 Aug 2024 10:44:30	U	SMPL
P3457-02 - 1	932-K1-WS-080224	141	-0.0240		-7470A	PPB	13 Aug 2024 10:46:46	U	SMPL
P3467-01 - 1	919-J-WS-080224	1257	0.2490		-7470A	PPB	13 Aug 2024 10:49:02	U	SMPL
P3497-02 - 1	COMP	33	-0.0505		-7470A	PPB	13 Aug 2024 10:51:19	U	SMPL
P3532-01 - 1	806-C	950	0.1739		-7470A	PPB	13 Aug 2024 10:53:36	U	SMPL
P3545-01 - 1	BUR-1295	914	0.1651		-7470A	PPB	13 Aug 2024 10:55:52	U	SMPL
CCV39 - 1	CCV39	21395	5.1767		-7470A	PPB	13 Aug 2024 10:58:08	U	SMPL
CCB39 - 1	CCB39	221	-0.0045		-7470A	PPB	13 Aug 2024 11:04:09	U	SMPL
PB162588TB - 1	PB162588TB	-23	-0.0642		-7470A	PPB	13 Aug 2024 11:06:24	U	SMPL
PB162590TB - 1	PB162590TB	-2	-0.0590		-7470A	PPB	13 Aug 2024 11:08:39	U	SMPL
P3534-03LX5 - 1		-32	-0.0664		-7470A	PPB	13 Aug 2024 11:10:54	U	SMPL
P3534-03A - 1		15658	3.7729		-7470A	PPB	13 Aug 2024 11:13:10	U	SMPL
P3530-02LX5 - 1		-459	-0.1709		-7470A	PPB	13 Aug 2024 11:15:25	U	SMPL
P3530-02A - 1		16246	3.9168		-7470A	PPB	13 Aug 2024 11:17:42	U	SMPL
P3440-01LX5 - 1		-388	-0.1535		-7470A	PPB	13 Aug 2024 11:19:58	U	SMPL
P3440-01A - 1		16290	3.9275		-7470A	PPB	13 Aug 2024 11:22:17	U	SMPL
CCV40 - 1	CCV40	21055	5.0935		-7470A	PPB	13 Aug 2024 11:24:33	U	SMPL
CCB40 - 1	CCB40	-469	-0.1733		-7470A	PPB	13 Aug 2024 11:26:51	U	SMPL

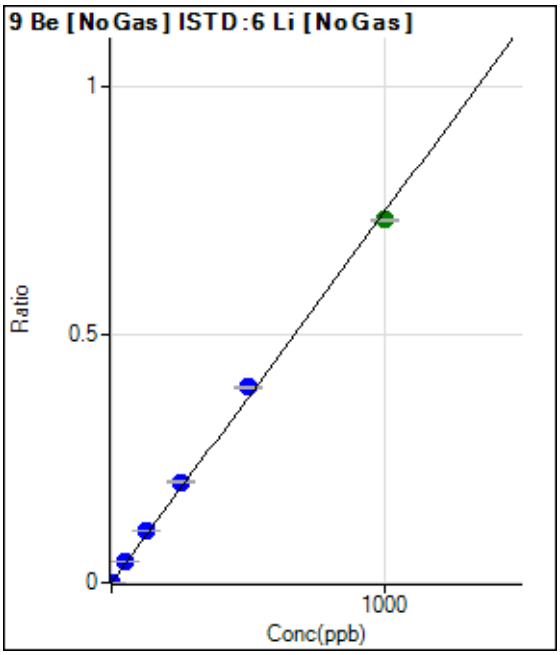
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

Calibration for 005CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7082524MS.b\
Analysis File: P7082524MS.batch.bin
DA Date-Time: 2024-08-25 19:33:05
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-08-25 14:38:45
2	005CALS.d	S02	2024-08-25 14:42:02
3	006CALS.d	S03	2024-08-25 14:45:21
4	007CALS.d	S04	2024-08-25 14:48:28
5	008CALS.d	S05	2024-08-25 14:51:26
6	009CALS.d	S06	2024-08-25 14:54:16
7	010CALS.d	S07	2024-08-25 14:57:06
8	011CALS.d	S08	2024-08-25 14:59:52

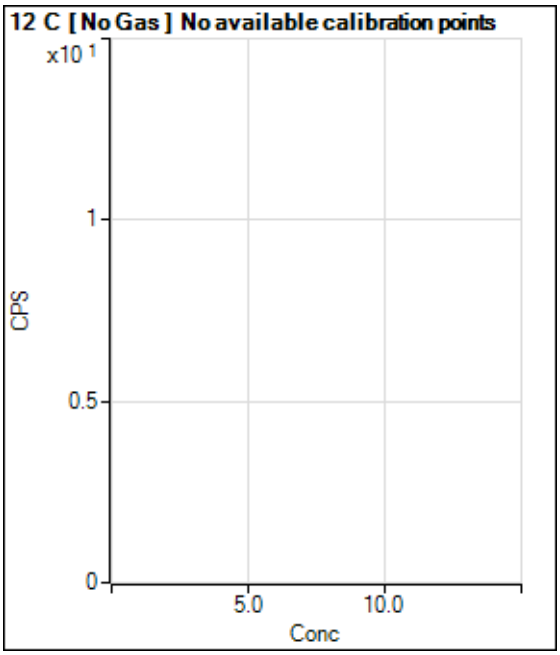
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34.44	0.0000	P	5.6
2	☐	1.000	1.100	1263.40	0.0008	P	8.4
3	☐	50.000	55.464	64698.57	0.0415	P	3.2
4	☐	125.000	138.456	168009.47	0.1035	P	0.7
5	☐	250.000	270.169	333752.33	0.2019	P	1.7
6	☐	500.000	528.027	668187.80	0.3946	P	1.2
7	☐	1000.000	978.989	1219289.77	0.7315	A	0.8
8	☐			222.22	0.0001	P	3.3

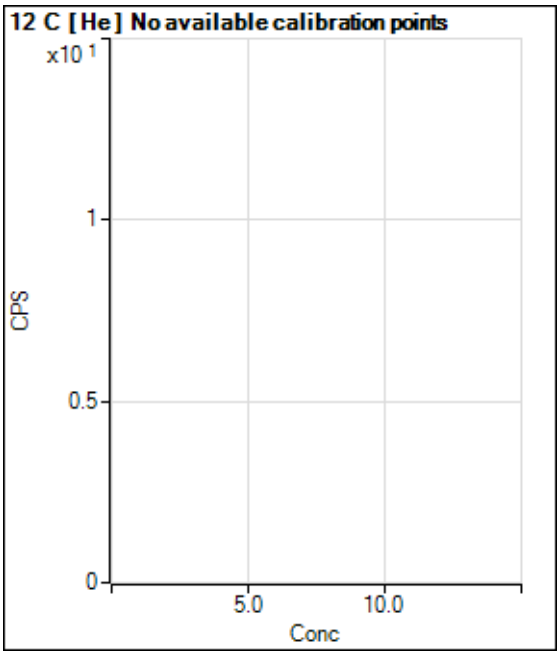
y = 7.4722E-004 * x + 2.3186E-005
R = 0.9991
DL = 0.005221
BEC = 0.03103

Weight: <None>
Min Conc: 0

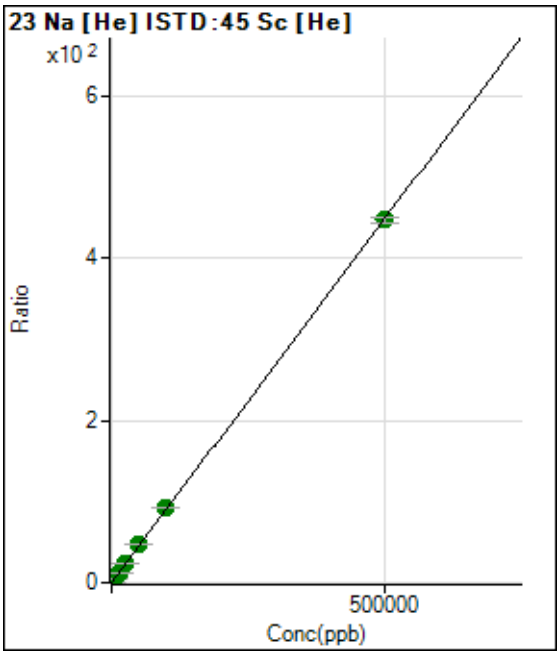


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



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

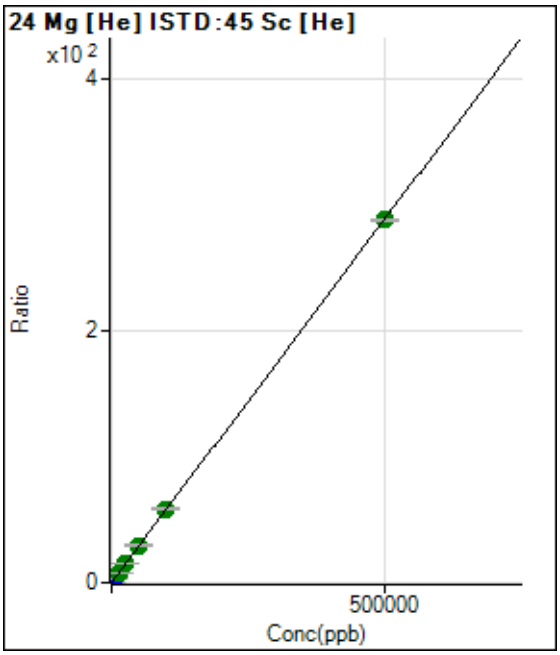


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9702.03	0.0272	P	2.4
2	☐	500.000	501.936	175204.06	0.4770	P	1.3
3	☐	5000.000	5198.918	1731776.83	4.6861	A	1.8
4	☐	12500.000	12986.684	4231522.02	11.6648	A	2.0
5	☐	25000.000	26016.118	8231155.78	23.3408	A	0.3
6	☐	50000.000	52354.813	16263850.04	46.9434	A	1.6
7	☐	100000.00	103996.66	32900121.46	93.2208	A	0.6
8	☐	500000.00	498900.22	156339414.3	447.1021	A	1.3

y = 8.9612E-004 * x + 0.0272
R = 1.0000
DL = 2.19
BEC = 30.36

Weight: <None>
Min Conc: 0

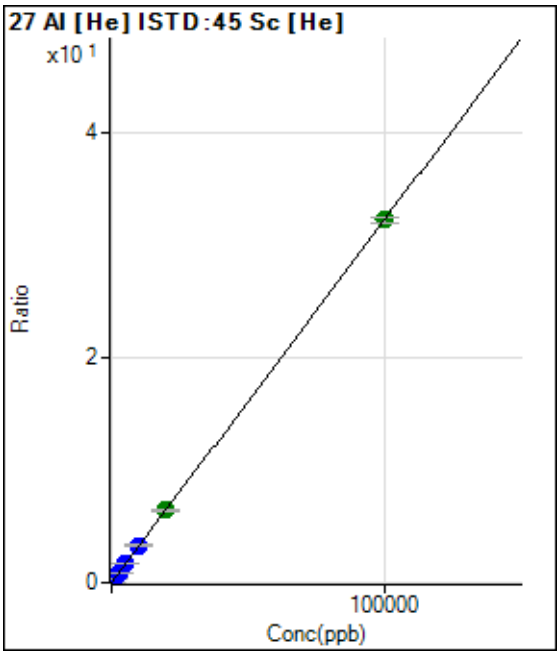
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	397.79	0.0011	P	6.0
2	☐	500.000	492.804	104697.74	0.2850	P	0.7
3	☐	5000.000	5352.021	1140001.25	3.0846	P	0.7
4	☐	12500.000	12960.528	2709107.03	7.4682	A	1.7
5	☐	25000.000	25654.224	5212717.11	14.7815	A	0.3
6	☐	50000.000	51594.729	10299320.82	29.7269	A	0.9
7	☐	100000.00	101575.40	20654289.83	58.5227	A	0.7
8	☐	500000.00	499477.70	100623738.5	287.7700	A	0.8

y = 5.7614E-004 * x + 0.0011
R = 1.0000
DL = 0.3465
BEC = 1.936

Weight: <None>
Min Conc: 0

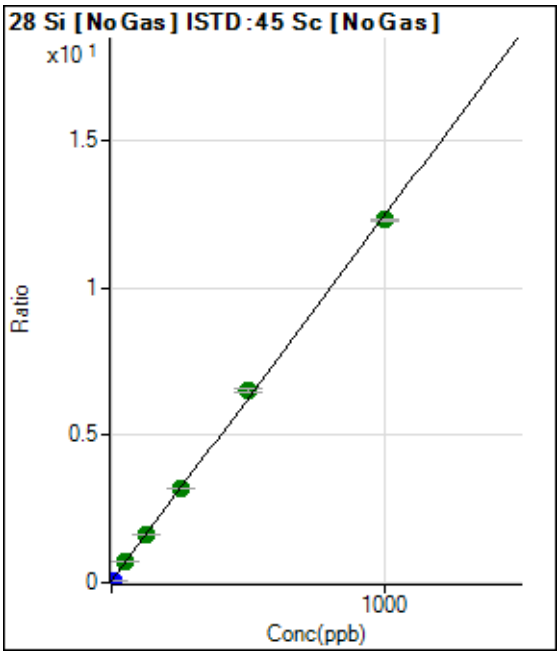


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	303.34	0.0009	P	4.9
2	☐	20.000	19.057	2573.57	0.0070	P	6.3
3	☐	1000.000	1037.715	124203.24	0.3361	P	1.2
4	☐	2500.000	2741.500	321582.75	0.8865	P	1.0
5	☐	5000.000	5192.089	591793.05	1.6781	P	0.3
6	☐	10000.000	10292.530	1152287.56	3.3258	P	1.3
7	☐	20000.000	19874.484	2266230.37	6.4212	A	0.4
8	☐	100000.00	99979.831	11293951.64	32.2987	A	1.8

y = 3.2304E-004 * x + 8.5063E-004
R = 1.0000
DL = 0.3876
BEC = 2.633

Weight: <None>
Min Conc: 0

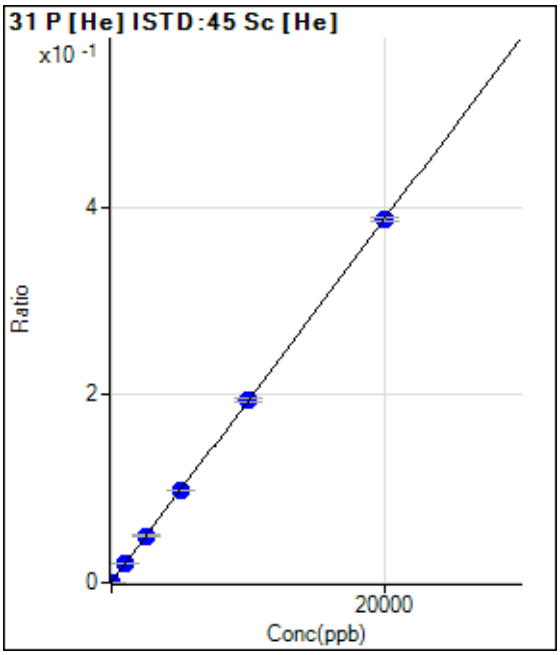
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	304917.42	0.0631	P	1.2
2	☐	10.000	0.164	321716.31	0.0651	P	1.8
3	☐	50.000	51.026	3472554.88	0.6955	A	1.1
4	☐	125.000	125.905	8156535.30	1.6236	A	0.7
5	☐	250.000	254.278	16201308.51	3.2147	A	0.6
6	☐	500.000	521.021	31963625.08	6.5208	A	2.5
7	☐	1000.000	988.354	61901562.41	12.3130	A	0.9
8	☐			447652.01	0.0917	P	2.3

y = 0.0124 * x + 0.0631
R = 0.9996
DL = 0.1901
BEC = 5.089

Weight: <None>
Min Conc: 0

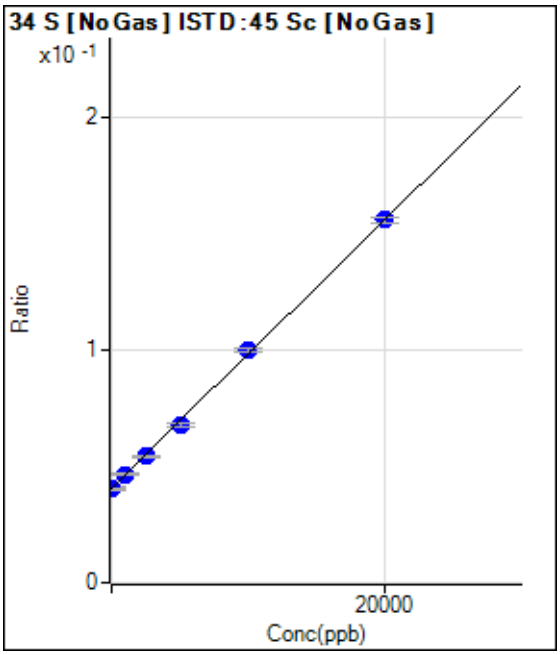


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-14.195	131.12	0.0004	P	16.3
2	☐	0.000	14.195	336.67	0.0009	P	11.8
3	☐	1000.000	990.549	7311.81	0.0198	P	2.3
4	☐	2500.000	2541.276	18049.62	0.0498	P	2.0
5	☐	5000.000	5091.179	34925.36	0.0990	P	0.3
6	☐	10000.000	10031.540	67395.24	0.1945	P	1.2
7	☐	20000.000	19956.748	136350.90	0.3863	P	1.0
8	☐			167.78	0.0005	P	4.7

y = 1.9327E-005 * x + 6.4205E-004
R = 1.0000
DL = 13.01
BEC = 33.22

Weight: <None>
Min Conc: 0

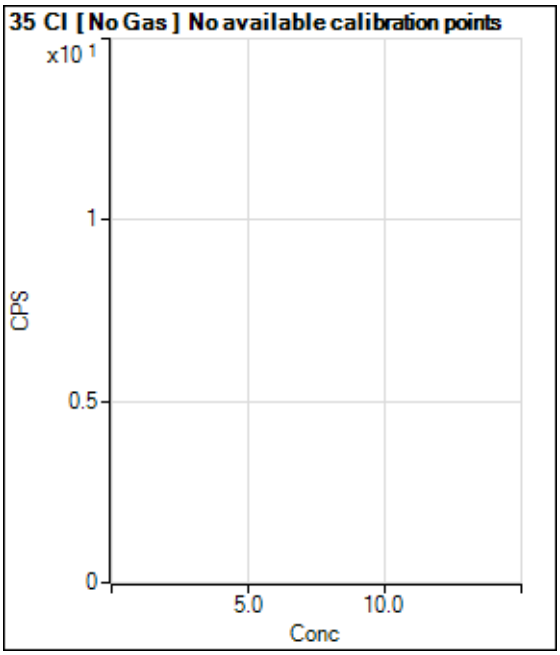
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	45.412	197262.65	0.0408	P	1.0
2	☐	0.000	-45.412	199066.59	0.0403	P	1.3
3	☐	1000.000	1044.960	232499.44	0.0466	P	1.0
4	☐	2500.000	2360.039	272027.73	0.0541	P	0.8
5	☐	5000.000	4695.263	340718.82	0.0676	P	2.0
6	☐	10000.000	10230.743	487935.51	0.0995	P	1.6
7	☐	20000.000	19976.060	782855.88	0.1557	P	1.9
8	☐			184326.14	0.0378	P	2.9

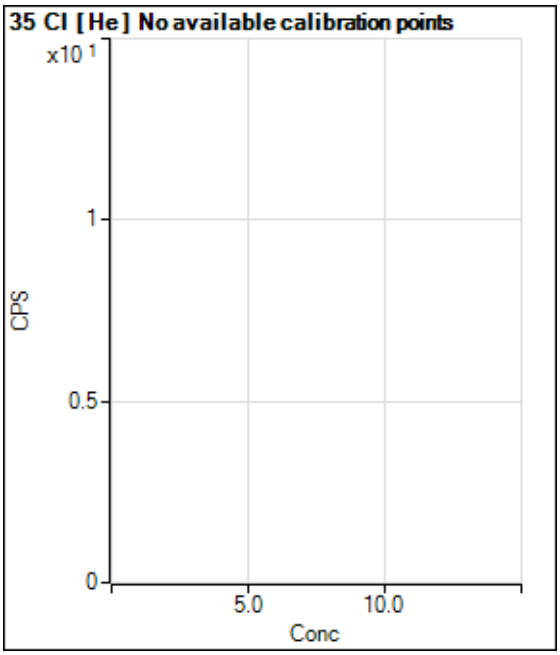
y = 5.7666E-006 * x + 0.0405
R = 0.9997
DL = 239.7
BEC = 7030

Weight: <None>
Min Conc: 0

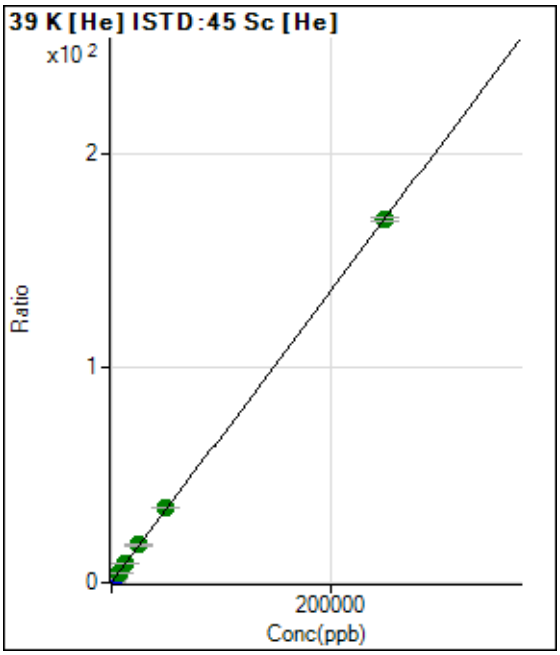


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



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

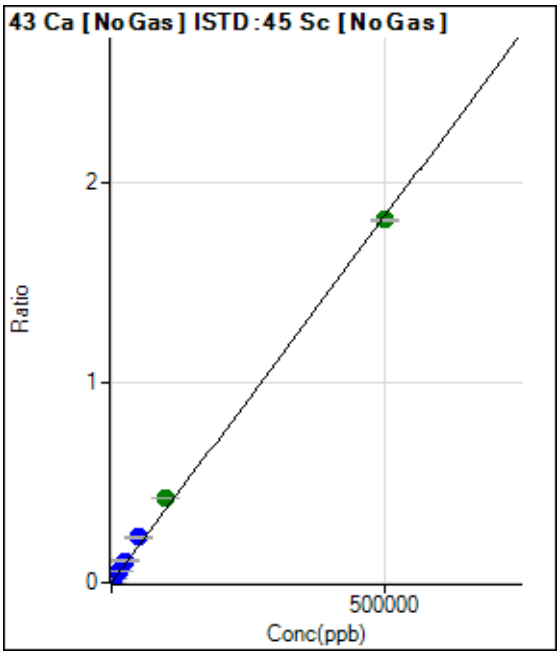


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47265.42	0.1325	P	0.6
2	☐	500.000	510.210	175545.17	0.4779	P	0.5
3	☐	2500.000	2788.814	746701.20	2.0204	P	0.1
4	☐	6250.000	6557.991	1658556.85	4.5719	A	0.4
5	☐	12500.000	13099.799	3174039.95	9.0003	A	1.8
6	☐	25000.000	25776.232	6092046.30	17.5815	A	1.5
7	☐	50000.000	51347.096	12314194.82	34.8913	A	0.9
8	☐	250000.00	249612.35	59129977.45	169.1047	A	1.0

y = 6.7694E-004 * x + 0.1325
R = 1.0000
DL = 3.439
BEC = 195.8

Weight: <None>
Min Conc: 0

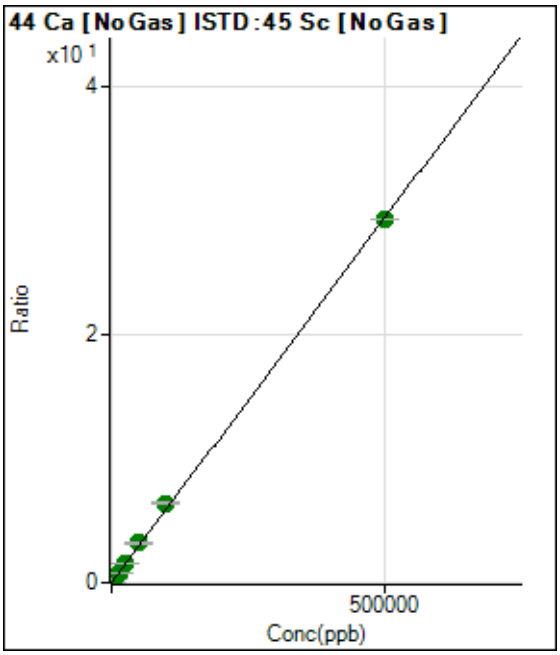
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	385.57	0.0001	P	10.0
2	☐	500.000	503.672	9526.41	0.0019	P	3.7
3	☐	5000.000	6126.713	112633.42	0.0226	P	1.5
4	☐	12500.000	15464.248	285449.86	0.0568	P	0.5
5	☐	25000.000	30055.366	556165.83	0.1104	P	1.2
6	☐	50000.000	61983.056	1115217.58	0.2275	P	2.4
7	☐	100000.00	115553.26	2131674.92	0.4241	A	1.9
8	☐	500000.00	495352.89	8872481.95	1.8176	A	0.3

y = 3.6691E-006 * x + 7.9710E-005
R = 0.9993
DL = 6.505
BEC = 21.72

Weight: <None>
Min Conc: 0

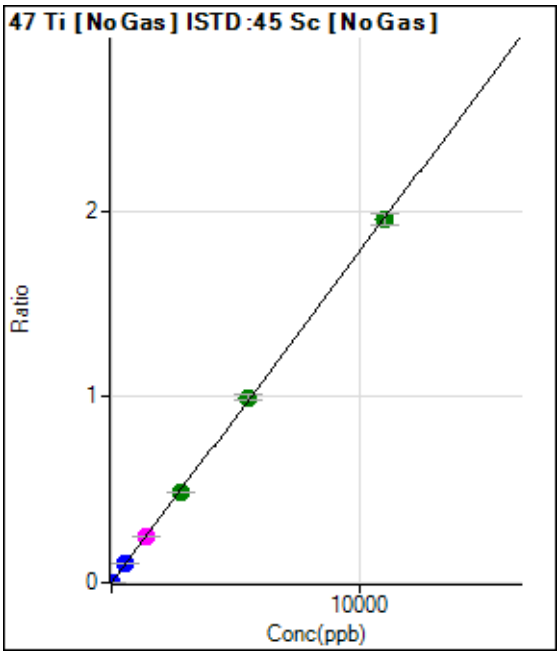


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12606.83	0.0026	P	2.8
2	☐	500.000	517.005	162780.74	0.0329	P	1.6
3	☐	5000.000	5449.582	1609311.71	0.3223	A	0.7
4	☐	12500.000	13763.242	4069573.06	0.8100	A	1.9
5	☐	25000.000	26796.340	7936328.08	1.5746	A	1.7
6	☐	50000.000	54532.488	15694535.46	3.2017	A	2.7
7	☐	100000.00	108973.25	32150906.19	6.3955	A	1.7
8	☐	500000.00	497626.19	142517915.6	29.1956	A	0.1

y = 5.8665E-005 * x + 0.0026
R = 0.9998
DL = 3.781
BEC = 44.46

Weight: <None>
Min Conc: 0

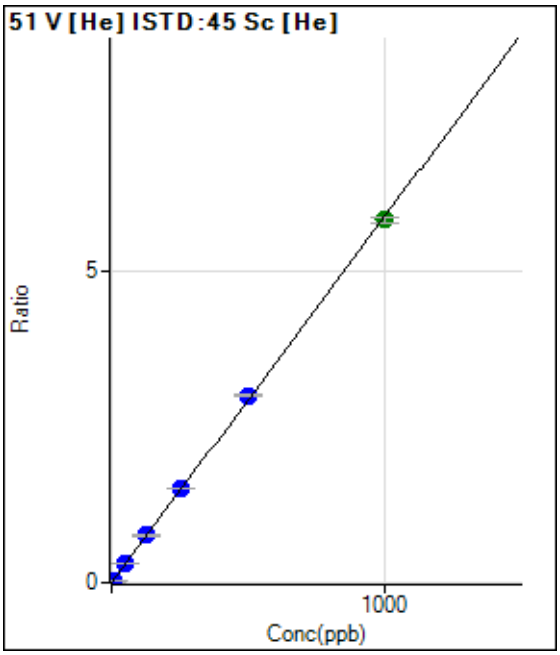
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	120.00	0.0000	P	9.2
2	☐	5.000	4.802	4355.12	0.0009	P	1.6
3	☐	550.000	568.244	506089.62	0.1014	P	1.1
4	☐	1375.000	1411.382	1264543.57	0.2517	M	1.0
5	☐	2750.000	2737.696	2460759.60	0.4882	A	0.2
6	☐	5500.000	5595.151	4891204.44	0.9978	A	2.3
7	☐	11000.000	10950.041	9815911.45	1.9528	A	3.2
8	☐			1955.70	0.0004	P	2.2

y = 1.7833E-004 * x + 2.4814E-005
R = 0.9999
DL = 0.03836
BEC = 0.1391

Weight: <None>
Min Conc: 0

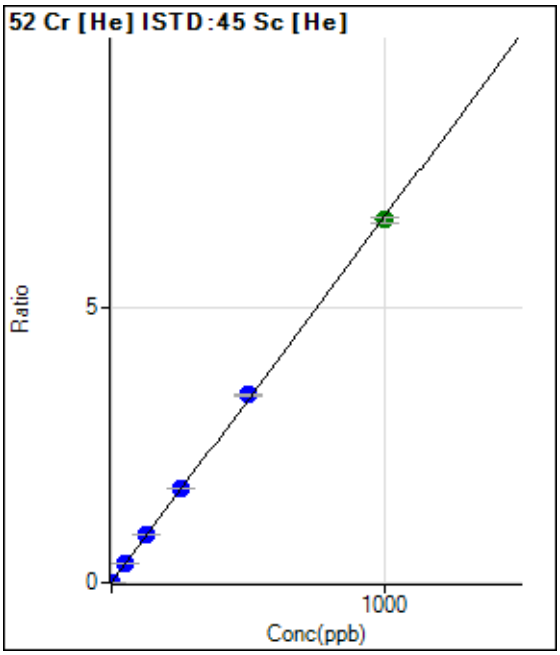


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7.78	0.0000	P	65.3
2	☐	5.000	4.623	9992.29	0.0272	P	2.1
3	☐	50.000	50.752	110303.01	0.2985	P	0.6
4	☐	125.000	128.816	274800.19	0.7575	P	0.3
5	☐	250.000	256.433	531769.43	1.5079	P	0.5
6	☐	500.000	512.315	1043748.38	3.0126	P	0.6
7	☐	1000.000	991.721	2058195.72	5.8316	A	1.8
8	☐			706.69	0.0020	P	1.4

y = 0.0059 * x + 2.1798E-005
R = 0.9999
DL = 0.007267
BEC = 0.003707

Weight: <None>
Min Conc: 0

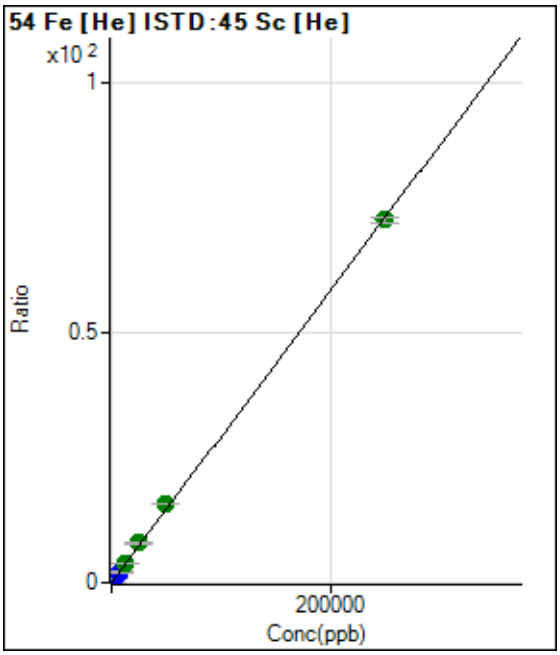
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1161.16	0.0033	P	6.6
2	☐	2.000	1.907	5843.41	0.0159	P	0.4
3	☐	50.000	51.219	126812.62	0.3431	P	1.7
4	☐	125.000	129.435	312767.17	0.8622	P	1.3
5	☐	250.000	256.017	600278.41	1.7022	P	0.9
6	☐	500.000	512.844	1180241.66	3.4065	P	0.8
7	☐	1000.000	991.459	2323180.73	6.5826	A	1.3
8	☐			10789.51	0.0309	P	1.1

y = 0.0066 * x + 0.0033
R = 0.9999
DL = 0.09702
BEC = 0.4906

Weight: <None>
Min Conc: 0

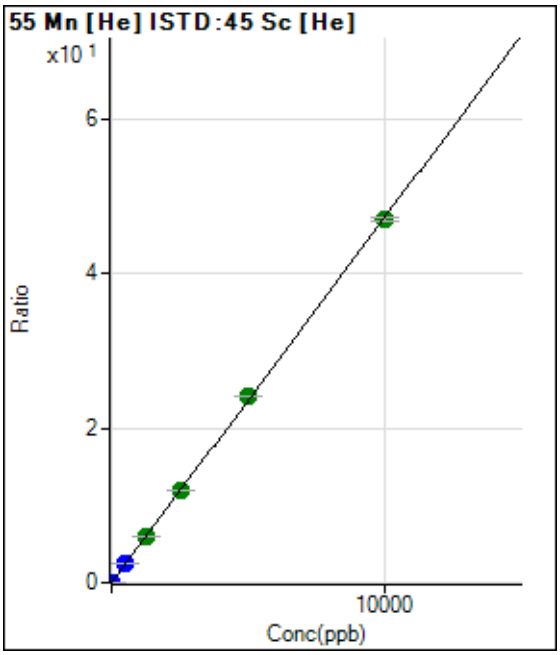


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1467.87	0.0041	P	1.7
2	☐	50.000	55.611	7468.58	0.0203	P	0.1
3	☐	2500.000	2850.458	308702.88	0.8353	P	1.5
4	☐	6250.000	7225.206	765813.57	2.1110	P	1.0
5	☐	12500.000	13764.747	1416938.50	4.0180	A	0.6
6	☐	25000.000	27183.275	2747777.11	7.9309	A	1.2
7	☐	50000.000	53758.827	5534134.36	15.6805	A	0.4
8	☐	250000.00	248938.78	25384756.29	72.5961	A	1.7

y = 2.9161E-004 * x + 0.0041
R = 0.9999
DL = 0.74
BEC = 14.12

Weight: <None>
Min Conc: 0

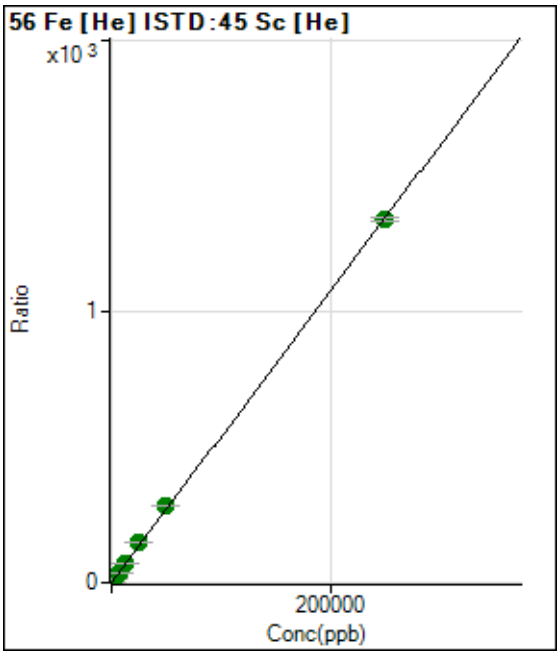
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	442.23	0.0012	P	6.9
2	☐	1.000	0.967	2132.39	0.0058	P	1.7
3	☐	500.000	513.055	895534.26	2.4232	P	1.0
4	☐	1250.000	1267.760	2171466.22	5.9859	A	1.5
5	☐	2500.000	2529.466	4211301.98	11.9420	A	1.0
6	☐	5000.000	5092.878	8330268.14	24.0430	A	0.1
7	☐	10000.000	9943.322	16566456.84	46.9402	A	1.2
8	☐			9235.14	0.0264	P	2.4

y = 0.0047 * x + 0.0012
R = 0.9999
DL = 0.05469
BEC = 0.2627

Weight: <None>
Min Conc: 0

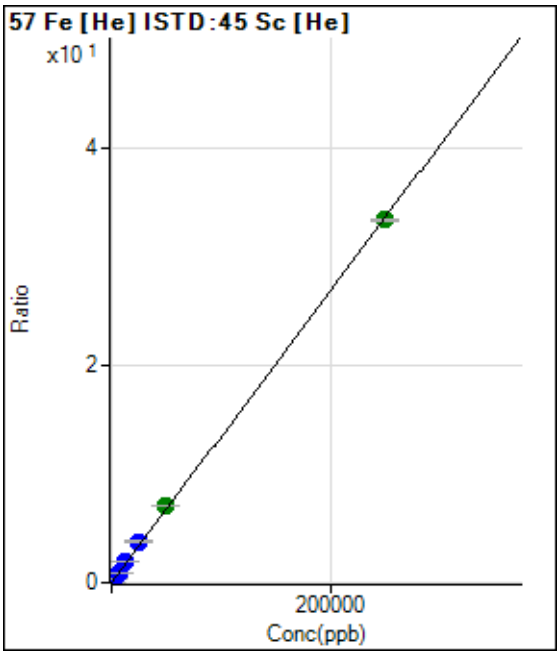


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13298.20	0.0373	P	2.6
2	☐	50.000	53.751	119680.02	0.3258	P	4.0
3	☐	2500.000	2647.276	5264800.96	14.2461	A	1.5
4	☐	6250.000	6741.249	13139893.55	36.2198	A	1.5
5	☐	12500.000	13384.136	25346201.56	71.8744	A	1.0
6	☐	25000.000	27165.992	50531661.47	145.8462	A	0.2
7	☐	50000.000	52471.938	99410445.18	281.6716	A	0.4
8	☐	250000.00	249231.05	467788979.7	1,337.743	A	0.9

y = 0.0054 * x + 0.0373
R = 0.9999
DL = 0.5333
BEC = 6.948

Weight: <None>
Min Conc: 0

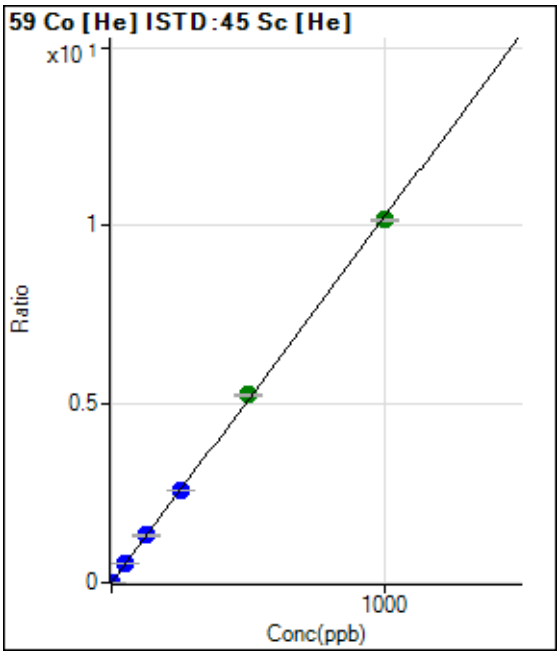
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1513.42	0.0042	P	4.9
2	☐	50.000	55.962	4318.44	0.0118	P	0.9
3	☐	2500.000	2803.741	140672.62	0.3806	P	1.0
4	☐	6250.000	7116.783	348145.09	0.9597	P	0.6
5	☐	12500.000	14063.740	667302.79	1.8923	P	0.8
6	☐	25000.000	28337.427	1319481.94	3.8085	P	0.9
7	☐	50000.000	52520.762	2489929.79	7.0551	A	0.2
8	☐	250000.00	249059.21	11693186.77	33.4400	A	0.4

y = 1.3425E-004 * x + 0.0042
R = 0.9999
DL = 4.685
BEC = 31.61

Weight: <None>
Min Conc: 0

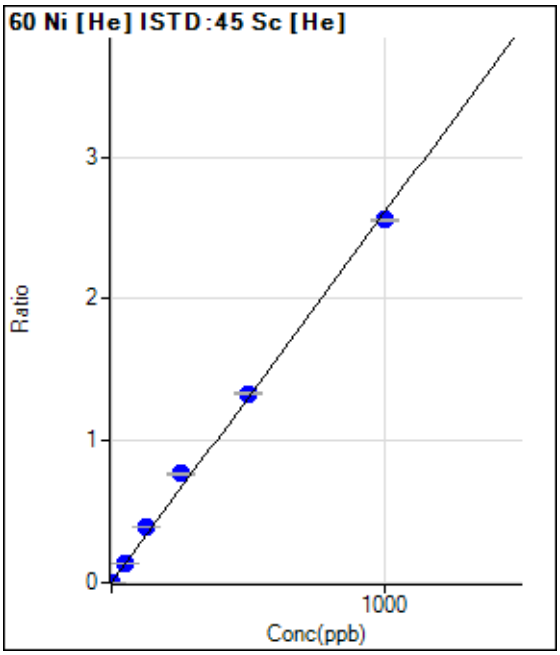


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	112.22	0.0003	P	1.7
2	☐	1.000	1.019	3951.67	0.0108	P	0.5
3	☐	50.000	51.135	193777.04	0.5243	P	0.3
4	☐	125.000	128.997	479649.51	1.3222	P	0.8
5	☐	250.000	253.791	917240.79	2.6010	P	0.7
6	☐	500.000	513.669	1823809.95	5.2641	A	0.8
7	☐	1000.000	991.662	3586590.64	10.1623	A	0.6
8	☐			8996.10	0.0257	P	1.7

y = 0.0102 * x + 3.1468E-004
R = 0.9998
DL = 0.00158
BEC = 0.03071

Weight: <None>
Min Conc: 0

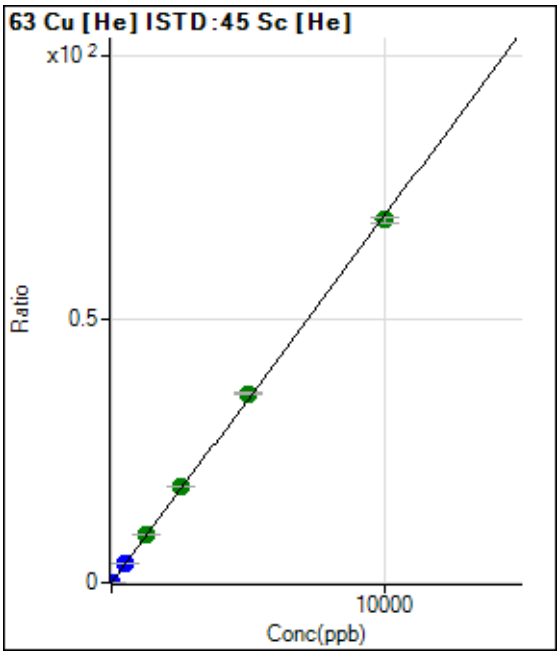
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	328.89	0.0009	P	11.3
2	☐	1.000	0.906	1206.73	0.0033	P	6.9
3	☐	50.000	51.802	50253.88	0.1360	P	0.8
4	☐	125.000	149.352	141592.65	0.3903	P	0.6
5	☐	250.000	293.535	270211.67	0.7662	P	0.6
6	☐	500.000	511.130	462009.53	1.3335	P	1.0
7	☐	1000.000	980.417	902461.36	2.5571	P	0.8
8	☐			4538.51	0.0130	P	2.6

y = 0.0026 * x + 9.2235E-004
R = 0.9986
DL = 0.12
BEC = 0.3538

Weight: <None>
Min Conc: 0

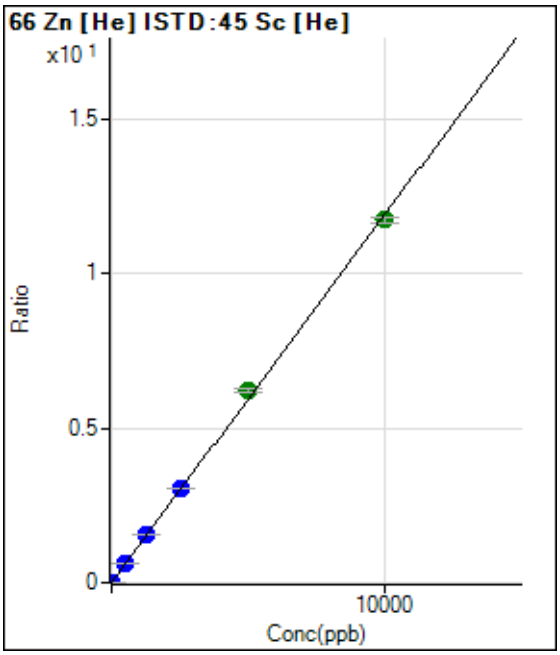


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	887.81	0.0025	P	3.2
2	☐	2.000	1.954	5907.88	0.0161	P	1.5
3	☐	500.000	511.602	1316267.73	3.5615	P	0.5
4	☐	1250.000	1331.959	3362460.30	9.2685	A	0.5
5	☐	2500.000	2613.745	6413083.17	18.1854	A	0.3
6	☐	5000.000	5155.090	12425954.53	35.8647	A	1.7
7	☐	10000.000	9883.194	24266369.64	68.7564	A	1.3
8	☐			6122.41	0.0175	P	0.5

y = 0.0070 * x + 0.0025
R = 0.9997
DL = 0.03468
BEC = 0.3579

Weight: <None>
Min Conc: 0

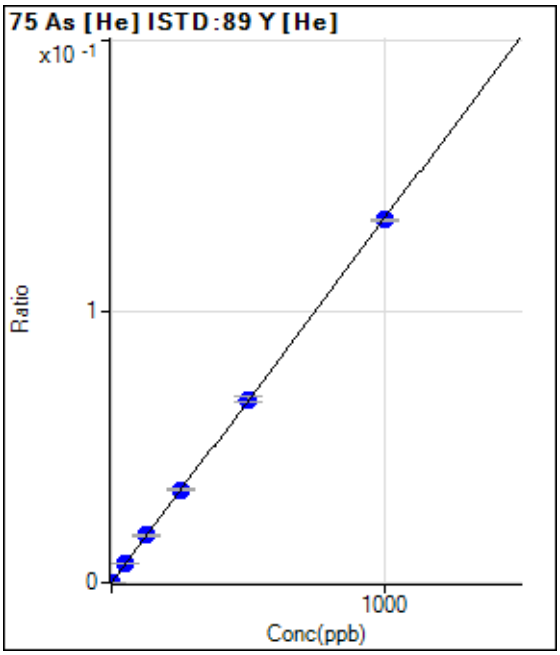
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	952.26	0.0027	P	9.2
2	☐	5.000	5.229	3265.94	0.0089	P	0.9
3	☐	500.000	514.304	227087.03	0.6145	P	1.3
4	☐	1250.000	1289.180	557279.25	1.5362	P	1.4
5	☐	2500.000	2565.952	1077370.32	3.0550	P	0.6
6	☐	5000.000	5214.918	2150091.24	6.2062	A	2.3
7	☐	10000.000	9870.440	4144948.20	11.7442	A	1.4
8	☐			2741.39	0.0078	P	2.3

y = 0.0012 * x + 0.0027
R = 0.9996
DL = 0.6193
BEC = 2.245

Weight: <None>
Min Conc: 0

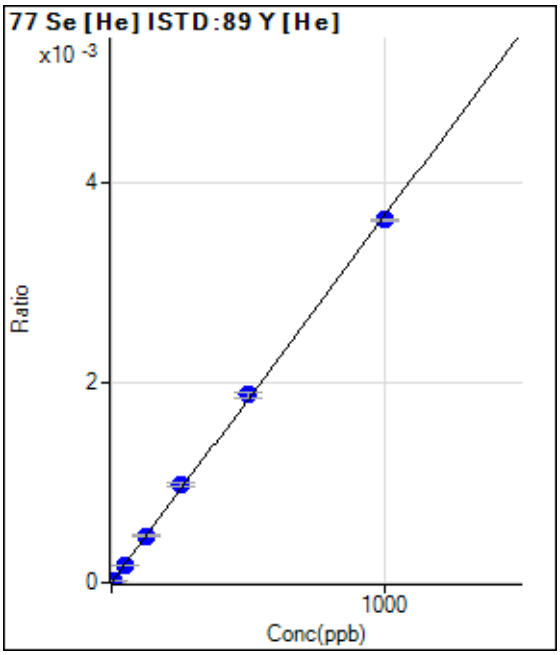


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	43.1
2	☐	1.000	0.975	331.12	0.0001	P	14.6
3	☐	50.000	50.903	17121.07	0.0068	P	1.8
4	☐	125.000	129.449	42913.03	0.0174	P	3.7
5	☐	250.000	255.270	81935.45	0.0343	P	1.6
6	☐	500.000	503.915	162121.24	0.0677	P	2.3
7	☐	1000.000	996.123	326480.03	0.1338	P	0.7
8	☐			188.89	0.0001	P	18.3

y = 1.3429E-004 * x + 3.6555E-006
R = 1.0000
DL = 0.03519
BEC = 0.02722

Weight: <None>
Min Conc: 0

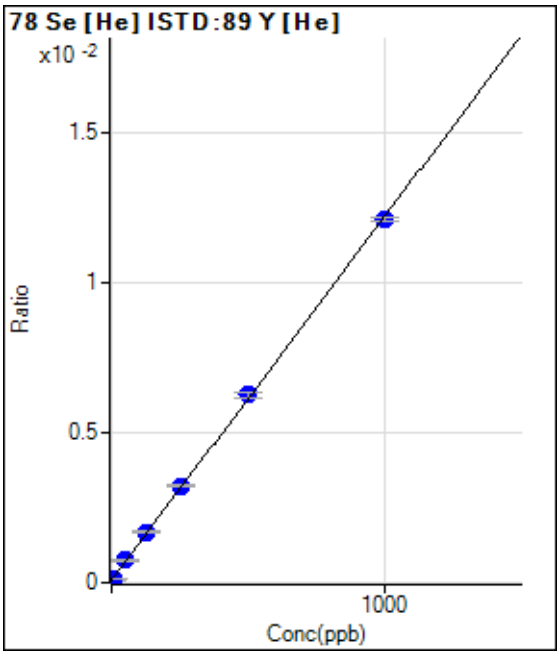
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	5.000	4.708	43.33	0.0000	P	64.0
3	☐	50.000	46.676	428.90	0.0002	P	5.0
4	☐	125.000	128.183	1160.06	0.0005	P	4.2
5	☐	250.000	268.942	2353.54	0.0010	P	3.9
6	☐	500.000	511.327	4484.06	0.0019	P	4.0
7	☐	1000.000	989.371	8839.38	0.0036	P	0.4
8	☐			7.78	0.0000	P	66.4

y = 3.6602E-006 * x + 4.6161E-007
R = 0.9997
DL = 0.6553
BEC = 0.1261

Weight: <None>
Min Conc: 0

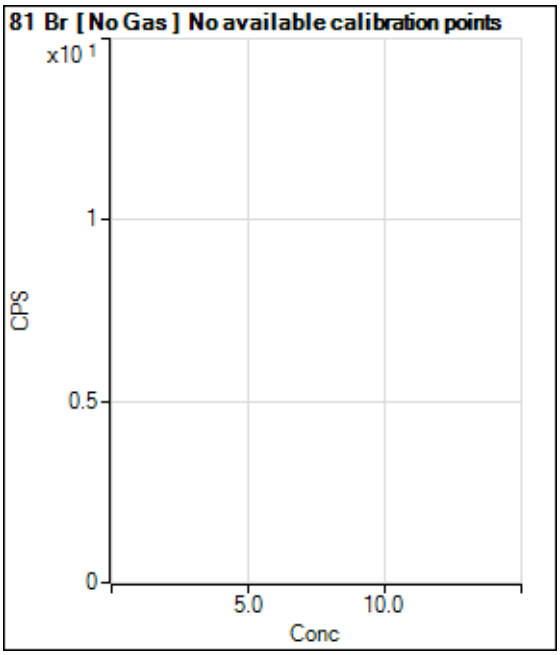


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	204.45	0.0001	P	7.7
2	☐	5.000	5.019	357.79	0.0001	P	10.6
3	☐	50.000	54.310	1860.13	0.0007	P	4.4
4	☐	125.000	132.664	4181.74	0.0017	P	2.4
5	☐	250.000	260.219	7747.65	0.0032	P	0.3
6	☐	500.000	509.331	15005.46	0.0063	P	3.3
7	☐	1000.000	991.606	29571.77	0.0121	P	1.0
8	☐			224.45	0.0001	P	13.7

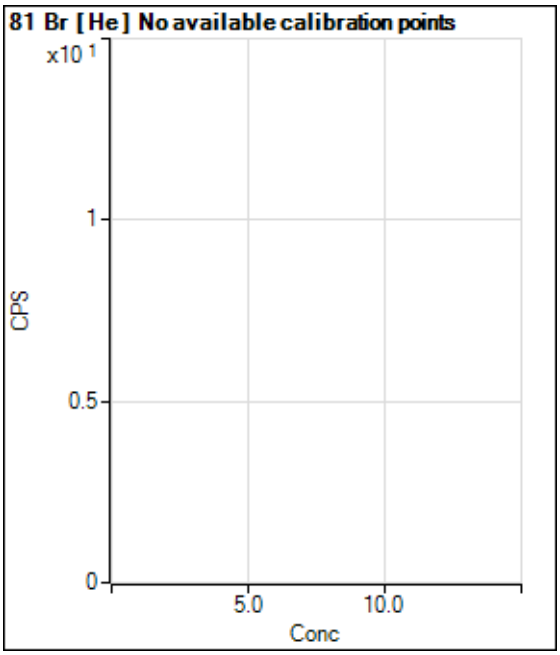
y = 1.2134E-005 * x + 8.4133E-005
R = 0.9999
DL = 1.597
BEC = 6.934

Weight: <None>
Min Conc: 0

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

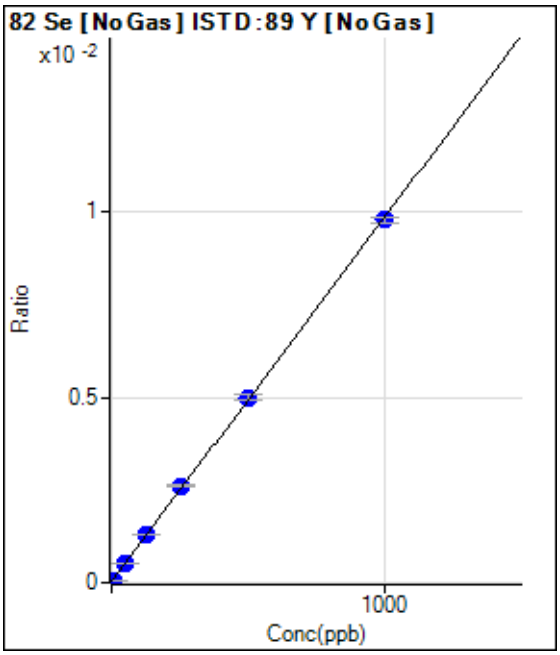


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			7151.79		P	1.2
2	☐			6971.71		P	2.0
3	☐			6991.73		P	3.3
4	☐			6905.01		P	1.9
5	☐			7059.55		P	4.0
6	☐			7019.50		P	3.1
7	☐			7230.71		P	3.0
8	☐			7893.28		P	2.1



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			60.00		P	33.8
2	☐			37.78		P	13.5
3	☐			41.11		P	4.7
4	☐			27.78		P	30.2
5	☐			40.00		P	8.3
6	☐			38.89		P	21.6
7	☐			44.44		P	26.3
8	☐			80.00		P	8.3

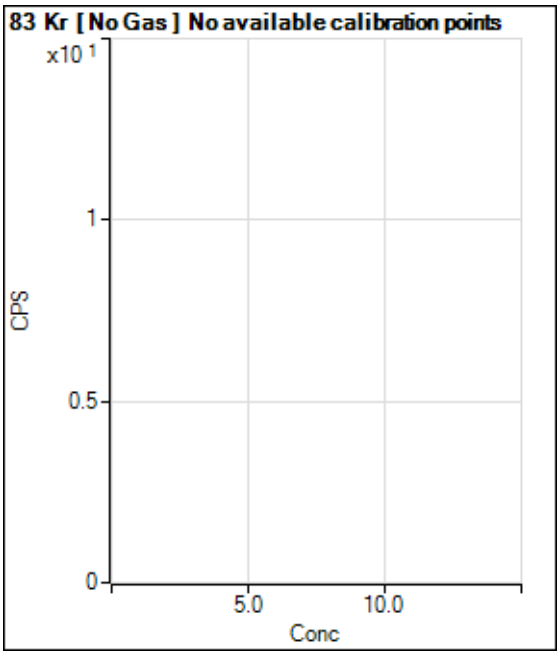
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	278.61	0.0000	P	3.9
2	☐	5.000	4.652	781.31	0.0001	P	3.9
3	☐	50.000	51.689	5772.78	0.0005	P	2.2
4	☐	125.000	128.870	14102.88	0.0013	P	2.3
5	☐	250.000	261.606	27492.82	0.0026	P	2.1
6	☐	500.000	506.034	53704.35	0.0050	P	3.6
7	☐	1000.000	993.515	106992.50	0.0098	P	1.6
8	☐			432.56	0.0000	P	7.7

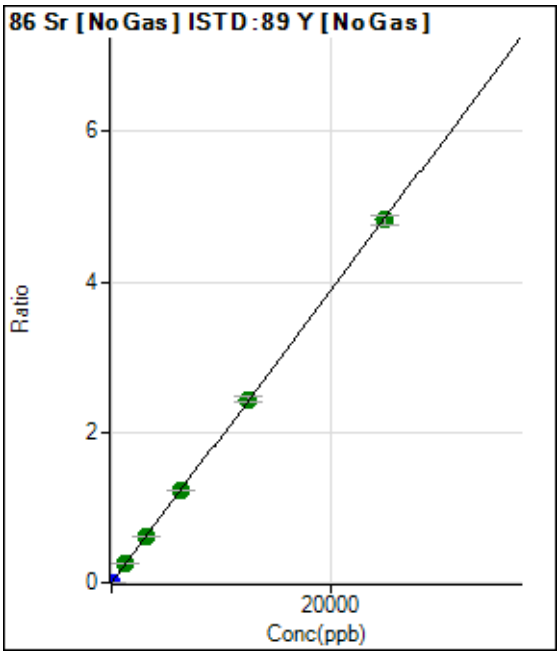
y = 9.8258E-006 * x + 2.6631E-005
R = 0.9999
DL = 0.3147
BEC = 2.71

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			188.89		P	2.7
2	☐			194.45		P	4.3
3	☐			192.23		P	9.9
4	☐			215.56		P	10.9
5	☐			192.23		P	8.0
6	☐			202.22		P	6.7
7	☐			200.01		P	10.4
8	☐			218.89		P	10.4

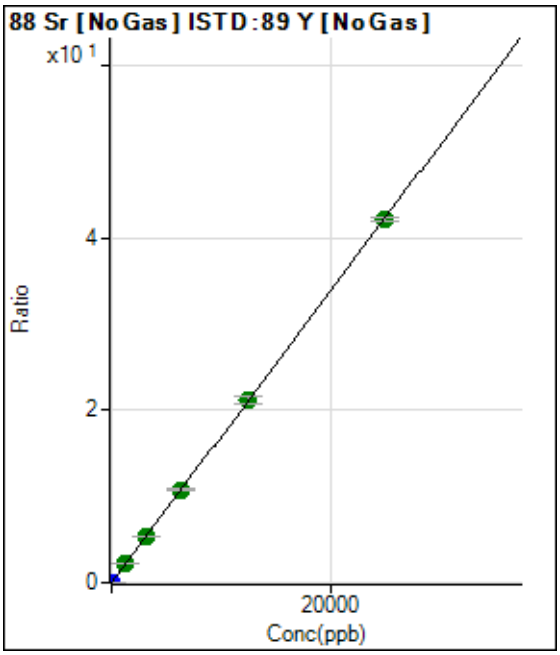
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	327.79	0.0000	P	8.7
2	☐	1.000	0.927	2276.86	0.0002	P	3.3
3	☐	1250.000	1277.574	2672570.58	0.2474	A	0.3
4	☐	3125.000	3188.045	6735229.55	0.6174	A	1.6
5	☐	6250.000	6323.958	12964351.75	1.2247	A	1.5
6	☐	12500.000	12600.503	26216858.22	2.4401	A	3.3
7	☐	25000.000	24922.000	52744906.99	4.8262	A	2.9
8	☐			9390.85	0.0009	P	1.8

y = 1.9365E-004 * x + 3.1348E-005
R = 1.0000
DL = 0.04243
BEC = 0.1619

Weight: <None>
Min Conc: 0

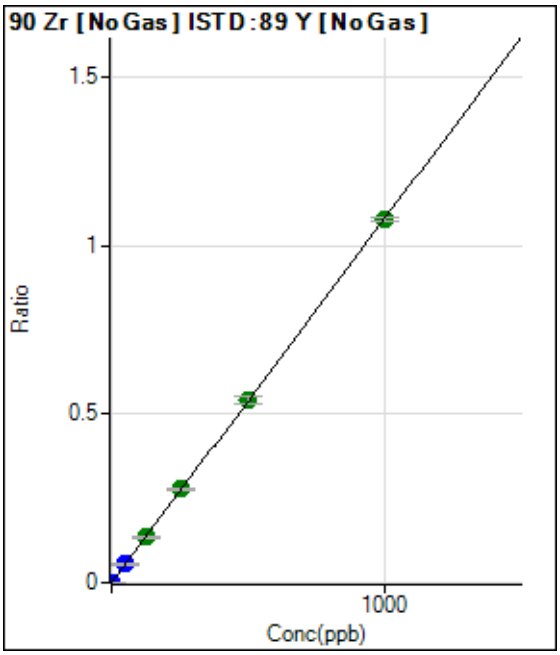


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	322.23	0.0000	P	10.7
2	☐	1.000	0.958	17795.31	0.0016	P	1.2
3	☐	1250.000	1274.752	23244792.71	2.1521	A	0.3
4	☐	3125.000	3192.952	58810540.23	5.3904	A	0.7
5	☐	6250.000	6375.904	113945928.3	10.7640	A	1.5
6	☐	12500.000	12577.178	228132534.3	21.2331	A	3.8
7	☐	25000.000	24920.203	459866682.0	42.0709	A	1.2
8	☐			79829.93	0.0077	P	3.6

y = 0.0017 * x + 3.0817E-005
R = 1.0000
DL = 0.005851
BEC = 0.01825

Weight: <None>
Min Conc: 0

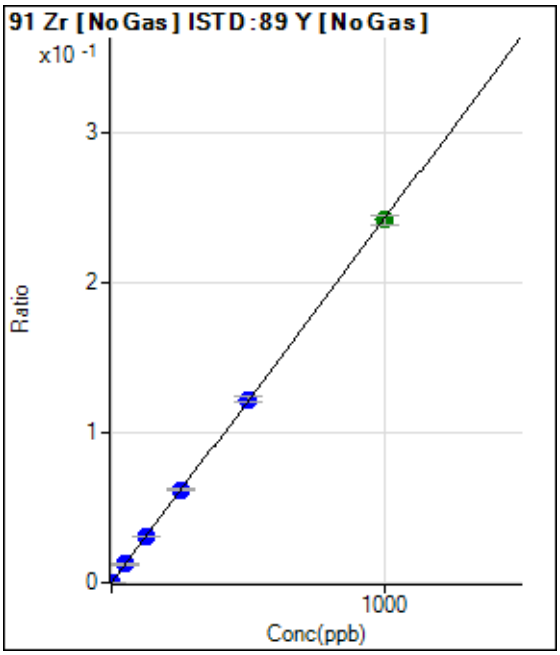
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	461.13	0.0000	P	9.2
2	☐	1.000	0.859	10490.48	0.0010	P	2.7
3	☐	50.000	50.376	587997.26	0.0544	P	2.2
4	☐	125.000	125.907	1483620.95	0.1360	A	2.9
5	☐	250.000	256.869	2937071.66	0.2774	A	0.6
6	☐	500.000	501.793	5822169.64	0.5419	A	3.6
7	☐	1000.000	997.254	11772221.63	1.0770	A	1.2
8	☐			6590.43	0.0006	P	2.3

y = 0.0011 * x + 4.4100E-005
R = 1.0000
DL = 0.01124
BEC = 0.04084

Weight: <None>
Min Conc: 0

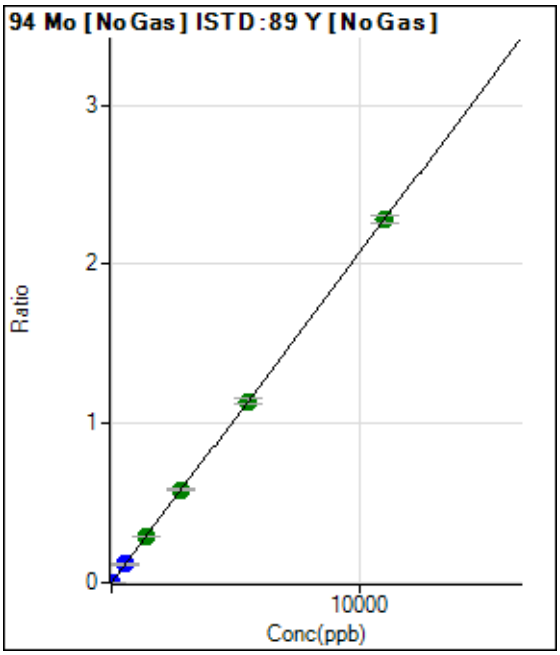


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	95.56	0.0000	P	16.0
2	☐	1.000	0.848	2320.21	0.0002	P	0.2
3	☐	50.000	50.579	132521.47	0.0123	P	2.0
4	☐	125.000	126.801	335419.72	0.0307	P	1.9
5	☐	250.000	255.351	655391.83	0.0619	P	1.8
6	☐	500.000	503.406	1311184.67	0.1220	P	3.5
7	☐	1000.000	996.705	2640856.32	0.2416	A	2.6
8	☐			1456.76	0.0001	P	1.4

y = 2.4242E-004 * x + 9.1380E-006
R = 1.0000
DL = 0.01812
BEC = 0.0377

Weight: <None>
Min Conc: 0

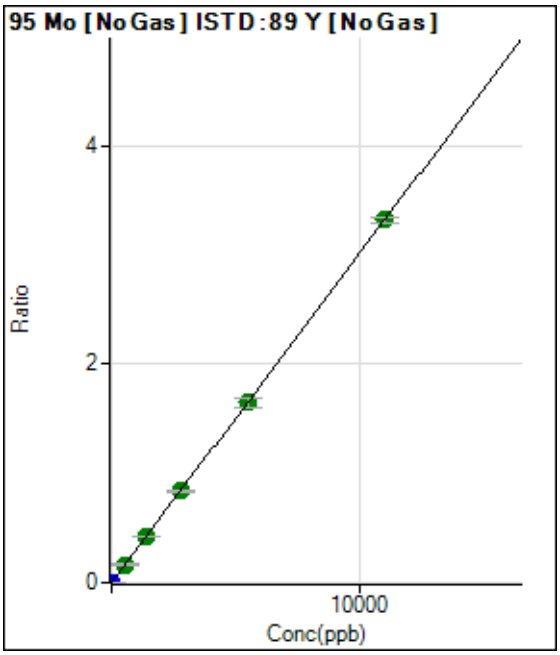
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	255.56	0.0000	P	4.8
2	☐	5.000	5.495	12574.39	0.0012	P	1.6
3	☐	550.000	555.779	1245521.46	0.1153	P	1.8
4	☐	1375.000	1387.916	3141270.79	0.2880	A	2.1
5	☐	2750.000	2812.658	6177404.21	0.5836	A	1.4
6	☐	5500.000	5486.672	12229222.46	1.1383	A	3.6
7	☐	11000.000	10989.096	24918933.52	2.2799	A	2.0
8	☐			7202.95	0.0007	P	4.1

y = 2.0746E-004 * x + 2.4428E-005
R = 1.0000
DL = 0.01695
BEC = 0.1177

Weight: <None>
Min Conc: 0

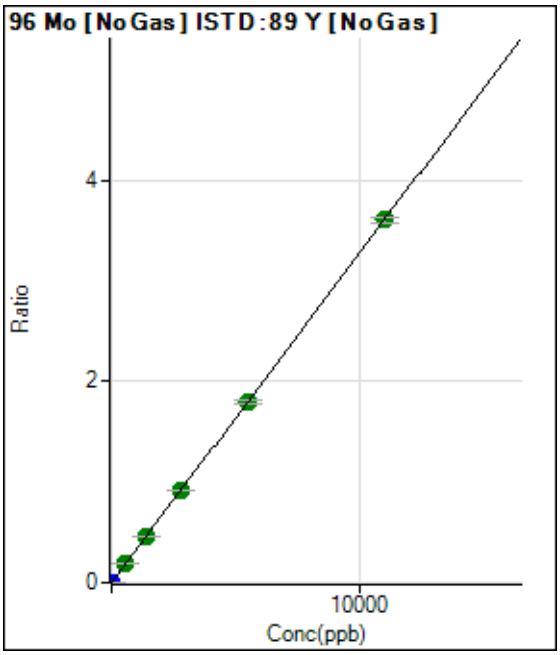


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	163.33	0.0000	P	3.0
2	☐	5.000	4.649	15299.19	0.0014	P	1.4
3	☐	550.000	551.461	1794933.60	0.1662	A	1.8
4	☐	1375.000	1398.873	4598837.29	0.4216	A	1.8
5	☐	2750.000	2778.056	8862384.17	0.8372	A	1.5
6	☐	5500.000	5458.978	17673440.43	1.6451	A	4.5
7	☐	11000.000	11010.440	36267366.40	3.3181	A	1.6
8	☐			7677.64	0.0007	P	2.1

y = 3.0136E-004 * x + 1.5613E-005
R = 1.0000
DL = 0.004695
BEC = 0.05181

Weight: <None>
Min Conc: 0

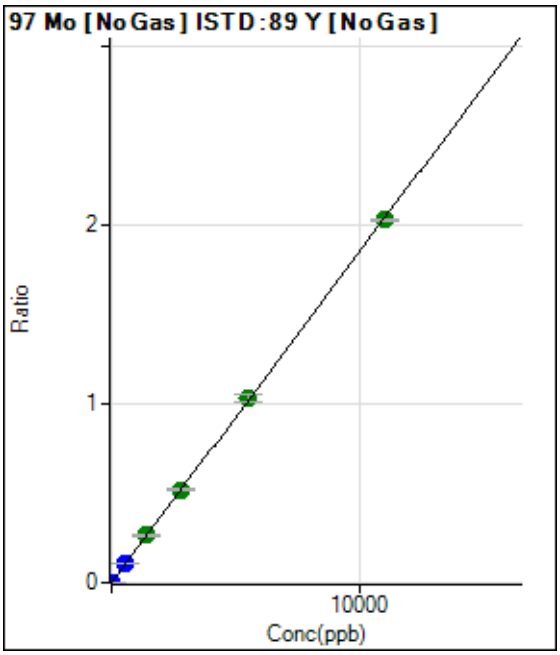
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	195.56	0.0000	P	16.5
2	☐	5.000	4.717	16897.64	0.0016	P	0.7
3	☐	550.000	564.334	1997428.41	0.1850	A	2.6
4	☐	1375.000	1406.328	5027575.41	0.4609	A	1.8
5	☐	2750.000	2798.031	9706669.37	0.9169	A	1.7
6	☐	5500.000	5475.311	19281233.05	1.7943	A	1.9
7	☐	11000.000	10995.704	39386014.41	3.6034	A	1.4
8	☐			14901.05	0.0014	P	1.4

y = 3.2771E-004 * x + 1.8684E-005
R = 1.0000
DL = 0.0282
BEC = 0.05702

Weight: <None>
Min Conc: 0

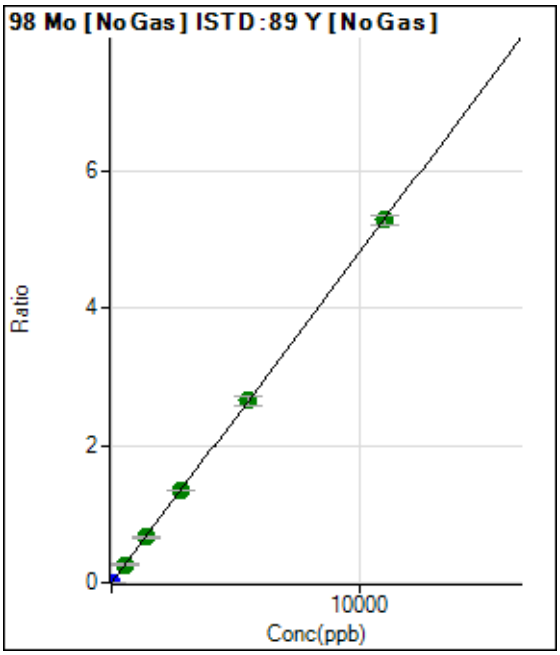


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	118.89	0.0000	P	11.1
2	☐	5.000	4.732	9605.46	0.0009	P	2.2
3	☐	550.000	559.265	1120883.13	0.1038	P	1.7
4	☐	1375.000	1423.909	2882401.28	0.2642	A	1.9
5	☐	2750.000	2804.640	5509294.99	0.5204	A	1.4
6	☐	5500.000	5555.029	11073690.53	1.0308	A	4.3
7	☐	11000.000	10952.249	22215025.78	2.0323	A	0.8
8	☐			4661.90	0.0005	P	2.3

y = 1.8556E-004 * x + 1.1370E-005
R = 1.0000
DL = 0.02042
BEC = 0.06128

Weight: <None>
Min Conc: 0

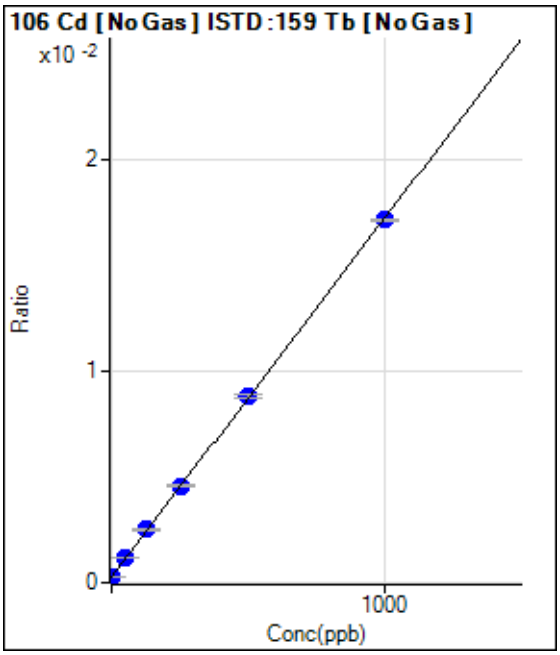
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	235.56	0.0000	P	7.5
2	☐	5.000	4.697	24649.75	0.0023	P	2.3
3	☐	550.000	551.671	2867168.74	0.2655	A	1.2
4	☐	1375.000	1379.900	7243307.32	0.6640	A	1.9
5	☐	2750.000	2798.300	14253733.82	1.3465	A	1.7
6	☐	5500.000	5517.474	28518566.24	2.6549	A	5.4
7	☐	11000.000	10978.492	57738470.81	5.2826	A	2.3
8	☐			11744.82	0.0011	P	3.5

y = 4.8118E-004 * x + 2.2517E-005
R = 1.0000
DL = 0.01055
BEC = 0.0468

Weight: <None>
Min Conc: 0

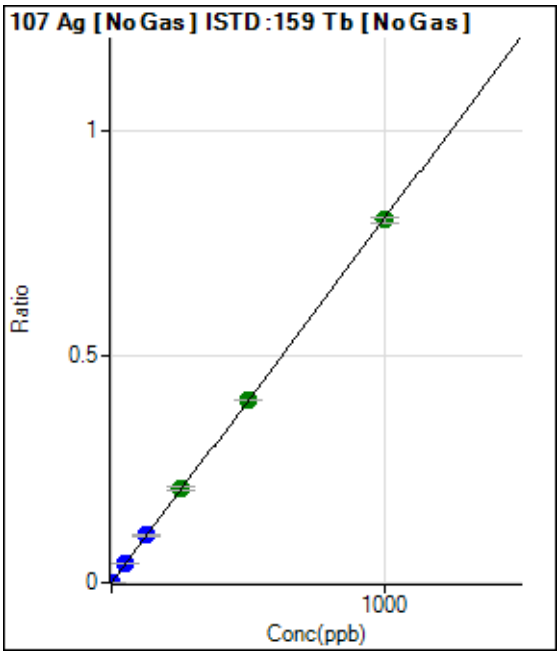


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2514.69	0.0003	P	3.2
2	☐	1.000	0.192	2556.92	0.0003	P	3.2
3	☐	50.000	52.911	11325.61	0.0012	P	1.3
4	☐	125.000	132.085	24617.65	0.0025	P	1.2
5	☐	250.000	254.405	45431.91	0.0046	P	1.9
6	☐	500.000	503.410	87780.02	0.0088	P	2.1
7	☐	1000.000	996.163	170266.91	0.0171	P	0.8
8	☐			2436.90	0.0003	P	1.7

y = 1.6920E-005 * x + 2.6437E-004
R = 1.0000
DL = 1.52
BEC = 15.62

Weight: <None>
Min Conc: 0

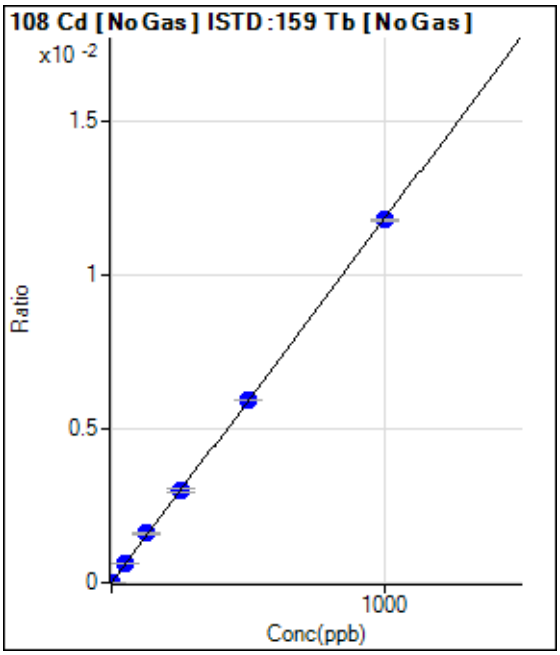
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0000	P	35.1
2	☐	1.000	0.914	7061.77	0.0007	P	2.1
3	☐	50.000	52.236	410306.96	0.0420	P	2.7
4	☐	125.000	130.386	1032935.44	0.1049	P	1.7
5	☐	250.000	258.628	2067981.39	0.2080	A	4.2
6	☐	500.000	501.782	4035154.80	0.4036	A	0.4
7	☐	1000.000	996.167	7968056.90	0.8012	A	1.5
8	☐			1037.83	0.0001	P	4.0

y = 8.0429E-004 * x + 5.0163E-006
R = 1.0000
DL = 0.00656
BEC = 0.006237

Weight: <None>
Min Conc: 0

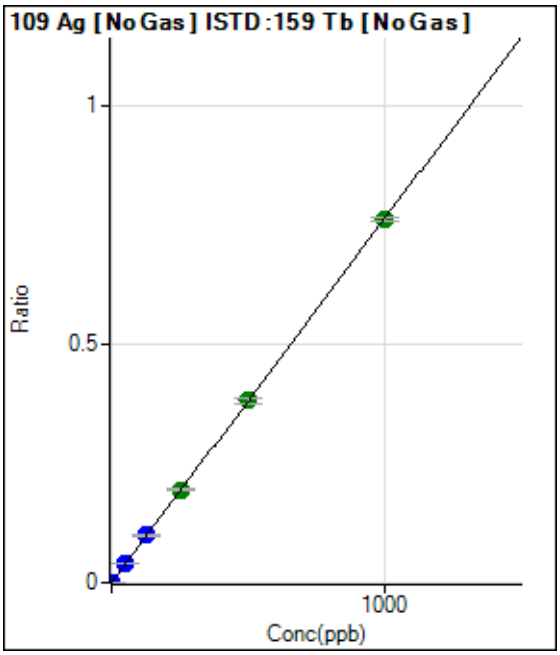


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14.44	0.0000	P	12.5
2	☐	1.000	1.178	147.78	0.0000	P	8.0
3	☐	50.000	52.514	6085.77	0.0006	P	4.0
4	☐	125.000	134.851	15738.64	0.0016	P	3.6
5	☐	250.000	254.276	29945.38	0.0030	P	3.5
6	☐	500.000	501.633	59391.03	0.0059	P	0.6
7	☐	1000.000	996.757	117388.50	0.0118	P	0.2
8	☐			78.89	0.0000	P	5.7

y = 1.1840E-005 * x + 1.5174E-006
R = 0.9999
DL = 0.04791
BEC = 0.1282

Weight: <None>
Min Conc: 0

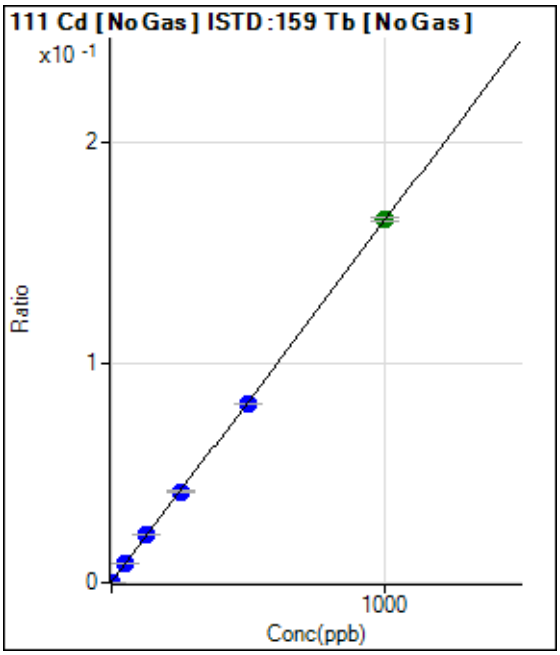
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	28.89	0.0000	P	34.7
2	☐	1.000	0.897	6566.00	0.0007	P	3.5
3	☐	50.000	51.703	385534.14	0.0395	P	1.4
4	☐	125.000	130.539	981504.17	0.0997	P	2.4
5	☐	250.000	256.099	1943715.89	0.1955	A	3.2
6	☐	500.000	500.962	3821978.07	0.3824	A	3.0
7	☐	1000.000	997.217	7570997.11	0.7613	A	1.1
8	☐			990.05	0.0001	P	13.9

y = 7.6339E-004 * x + 3.0451E-006
R = 1.0000
DL = 0.004147
BEC = 0.003989

Weight: <None>
Min Conc: 0

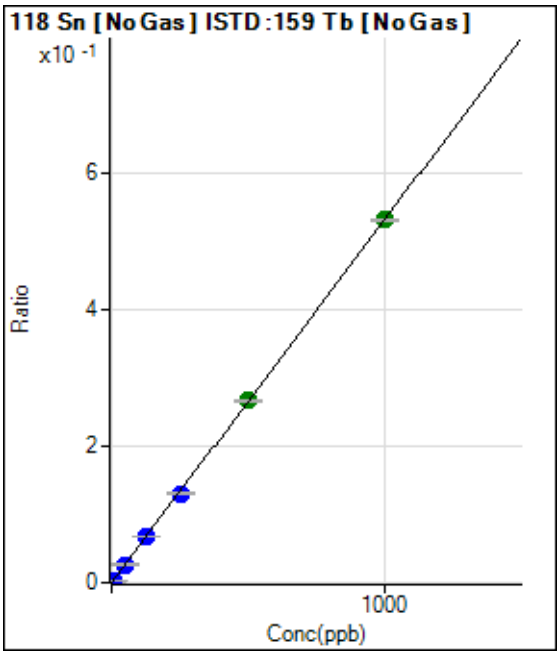


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1785.73	0.0002	P	4.2
2	☐	1.000	0.936	3264.28	0.0003	P	4.7
3	☐	50.000	51.761	84943.37	0.0087	P	2.3
4	☐	125.000	130.859	213768.41	0.0217	P	1.5
5	☐	250.000	251.337	412727.61	0.0415	P	2.8
6	☐	500.000	493.205	812639.61	0.0813	P	0.4
7	☐	1000.000	1002.243	1640907.71	0.1650	A	0.9
8	☐			2018.39	0.0002	P	2.9

y = 1.6442E-004 * x + 1.8773E-004
R = 0.9999
DL = 0.1433
BEC = 1.142

Weight: <None>
Min Conc: 0

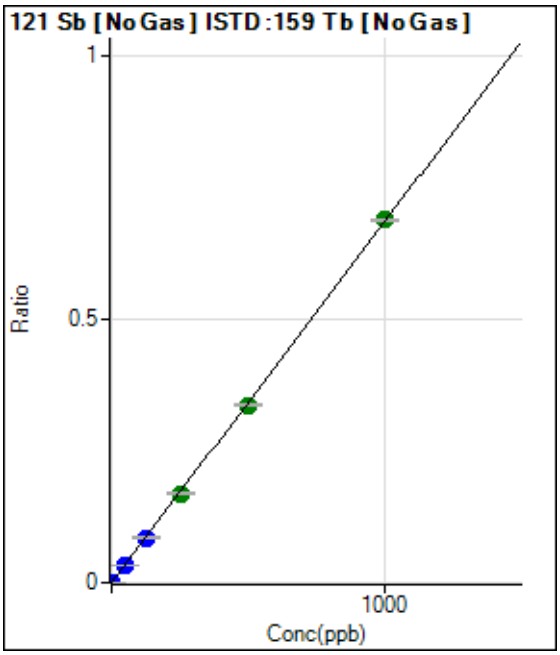
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	953.38	0.0001	P	0.9
2	☐	5.000	4.677	24719.07	0.0026	P	2.6
3	☐	50.000	50.069	261242.62	0.0267	P	2.2
4	☐	125.000	126.582	664582.18	0.0675	P	1.7
5	☐	250.000	245.694	1301204.80	0.1309	P	2.6
6	☐	500.000	501.522	2669768.76	0.2670	A	0.4
7	☐	1000.000	1000.116	5295442.49	0.5324	A	0.3
8	☐			4990.92	0.0005	P	8.4

y = 5.3225E-004 * x + 1.0022E-004
R = 1.0000
DL = 0.00501
BEC = 0.1883

Weight: <None>
Min Conc: 0

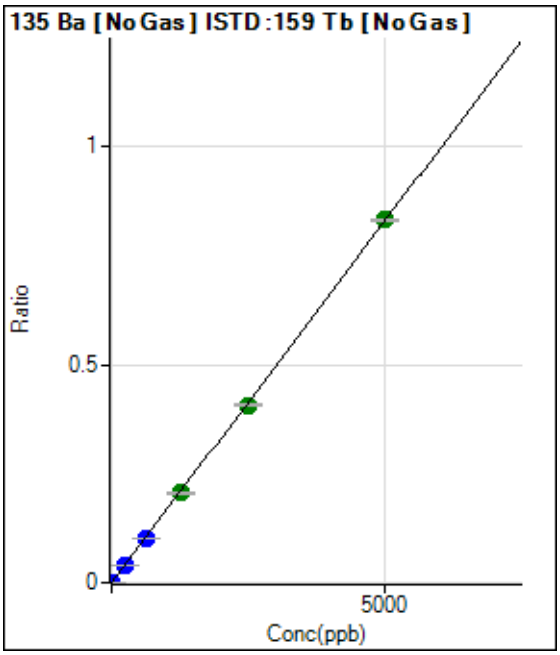


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	54.44	0.0000	P	26.5
2	☐	2.000	1.829	12001.76	0.0013	P	2.7
3	☐	50.000	48.904	326832.19	0.0335	P	2.7
4	☐	125.000	124.073	836173.77	0.0849	P	1.9
5	☐	250.000	245.551	1670668.08	0.1680	A	1.8
6	☐	500.000	491.721	3363566.16	0.3364	A	0.8
7	☐	1000.000	1005.423	6842160.25	0.6879	A	0.6
8	☐			5173.20	0.0005	P	5.6

y = 6.8421E-004 * x + 5.7117E-006
R = 0.9999
DL = 0.006644
BEC = 0.008348

Weight: <None>
Min Conc: 0

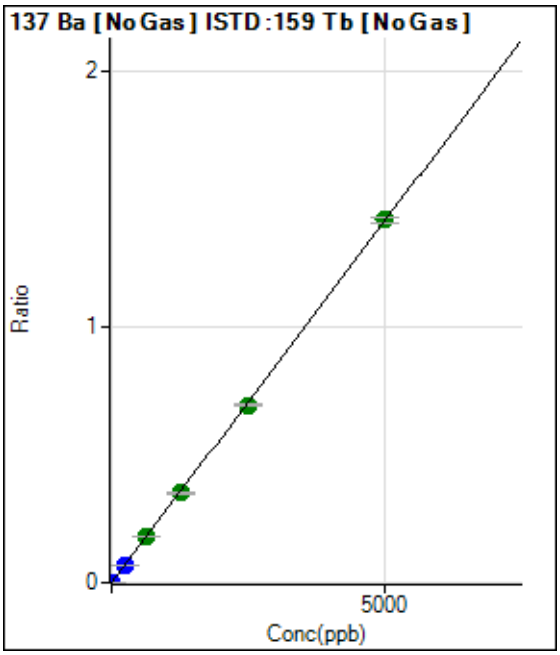
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.11	0.0000	P	33.8
2	☐	10.000	8.863	14092.66	0.0015	P	2.3
3	☐	250.000	239.222	386775.52	0.0396	P	1.5
4	☐	625.000	607.489	990386.80	0.1006	P	1.4
5	☐	1250.000	1244.866	2048865.72	0.2060	A	1.6
6	☐	2500.000	2458.520	4068295.22	0.4069	A	0.8
7	☐	5000.000	5024.753	8270970.22	0.8316	A	0.7
8	☐			3168.16	0.0003	P	4.3

y = 1.6550E-004 * x + 9.5649E-006
R = 0.9999
DL = 0.05853
BEC = 0.05779

Weight: <None>
Min Conc: 0

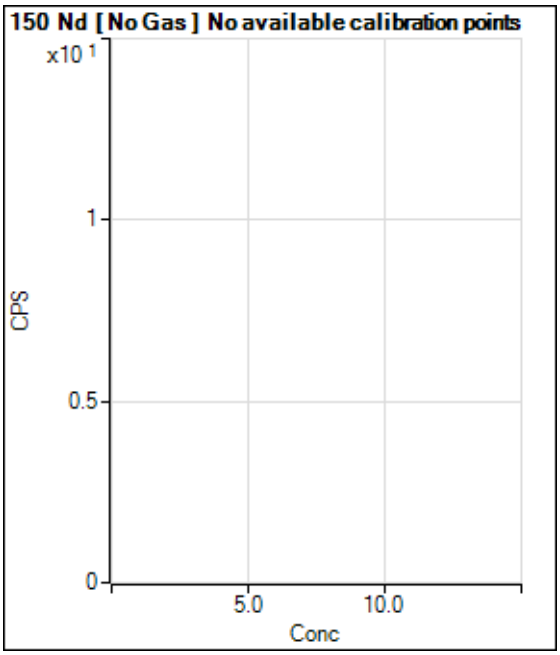


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.34	0.0000	P	13.8
2	☐	10.000	9.013	24443.33	0.0026	P	4.4
3	☐	250.000	241.799	667596.61	0.0684	P	1.8
4	☐	625.000	637.038	1773615.04	0.1801	A	1.8
5	☐	1250.000	1245.211	3500080.50	0.3520	A	1.7
6	☐	2500.000	2460.549	6951420.73	0.6955	A	2.1
7	☐	5000.000	5019.830	14112585.48	1.4188	A	1.2
8	☐			5681.19	0.0006	P	2.1

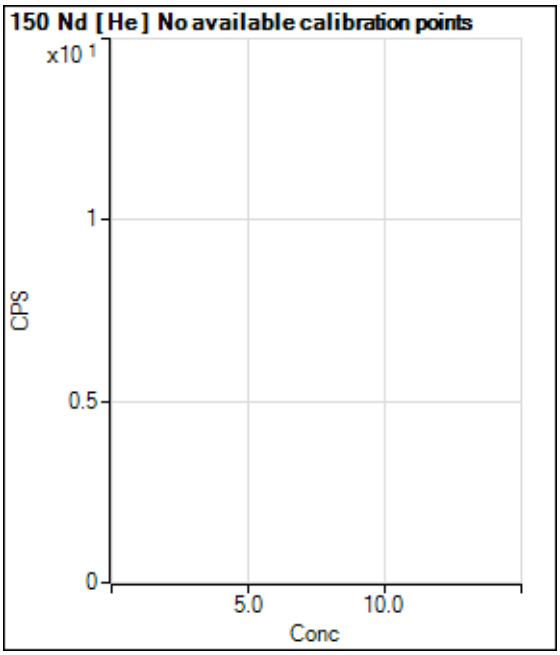
y = 2.8265E-004 * x + 1.4025E-005
R = 0.9999
DL = 0.0206
BEC = 0.04962

Weight: <None>
Min Conc: 0

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

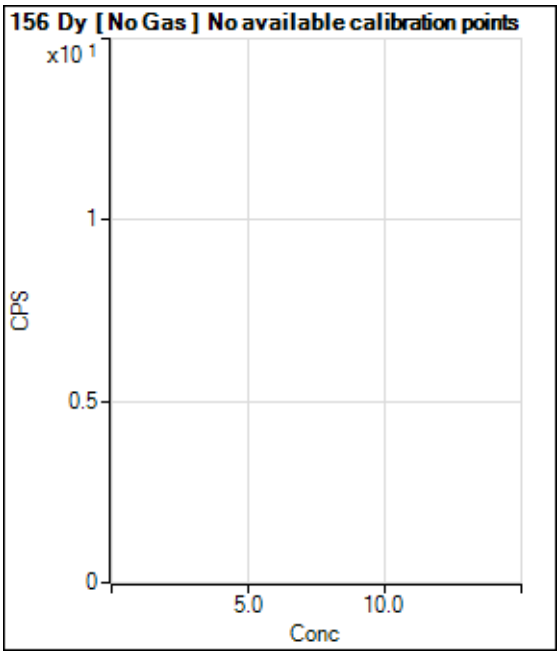


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			13.33		P	25.0
2	☐			21.11		P	24.1
3	☐			24.44		P	41.7
4	☐			65.56		P	45.6
5	☐			121.11		P	20.3
6	☐			224.45		P	16.0
7	☐			400.01		P	4.4
8	☐			101.11		P	5.0

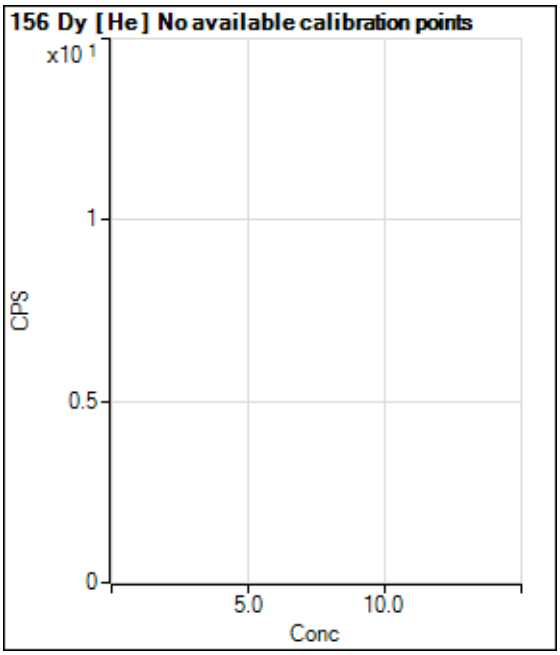


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.56		P	34.7
2	☐			6.66		P	86.6
3	☐			15.55		P	24.8
4	☐			20.00		P	44.1
5	☐			36.67		P	39.6
6	☐			70.00		P	34.3
7	☐			112.22		P	14.0
8	☐			81.11		P	12.6

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

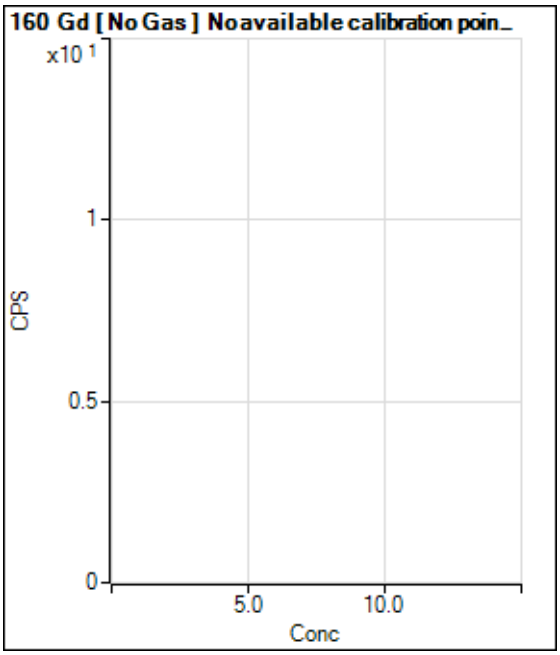


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			66.67		P	5.0
2	☐			54.44		P	40.8
3	☐			60.00		P	24.2
4	☐			77.78		P	6.5
5	☐			98.89		P	40.8
6	☐			135.56		P	7.9
7	☐			234.45		P	12.4
8	☐			267.78		P	8.0

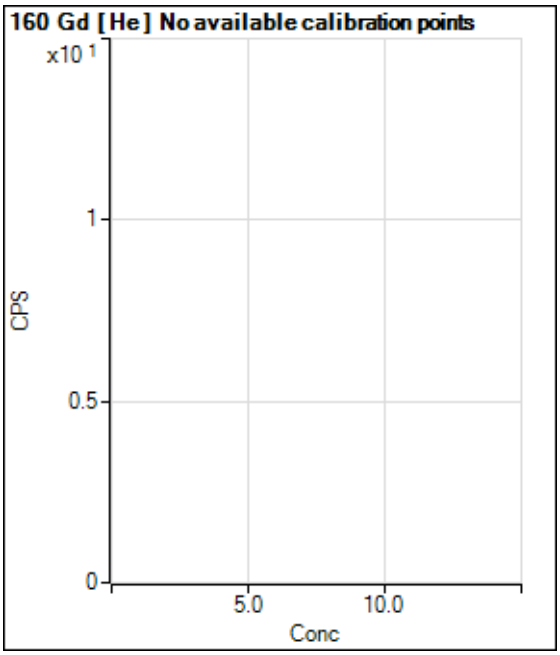


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			11.11		P	17.3
2	☐			10.00		P	57.7
3	☐			28.89		P	26.6
4	☐			71.11		P	19.5
5	☐			126.67		P	7.0
6	☐			238.89		P	8.9
7	☐			372.23		P	13.0
8	☐			205.56		P	17.9

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

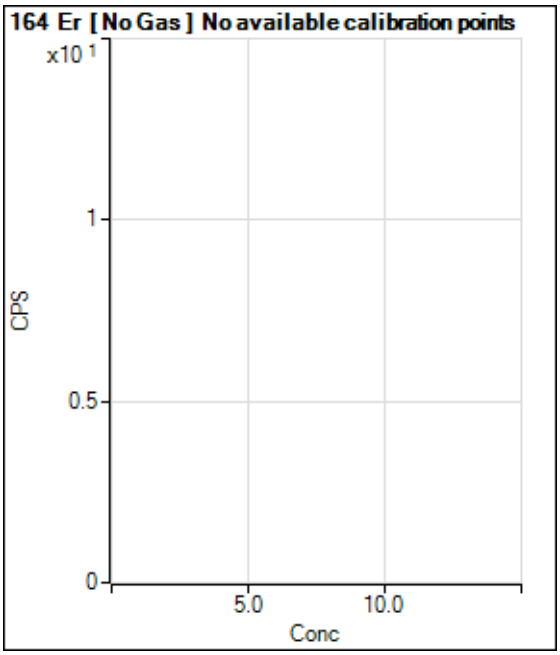


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			36.67		P	27.3
2	☐			51.11		P	16.4
3	☐			56.66		P	20.4
4	☐			64.44		P	13.0
5	☐			81.11		P	8.6
6	☐			95.56		P	8.8
7	☐			155.56		P	10.6
8	☐			250.00		P	4.0

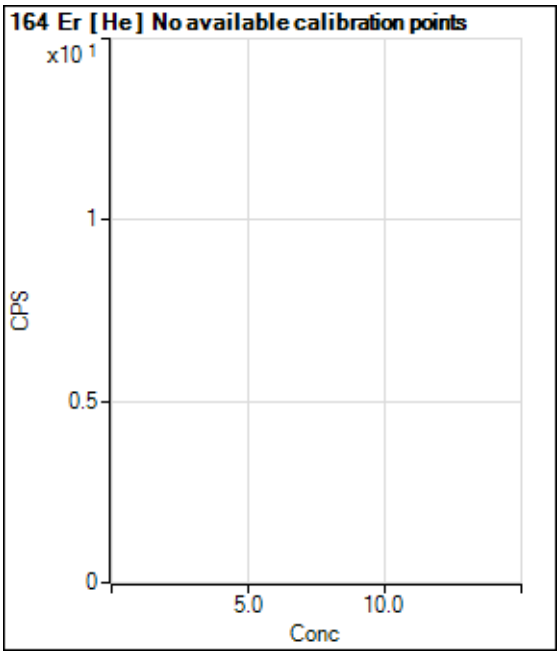


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			238.89		P	6.6
2	☐			274.45		P	12.5
3	☐			276.67		P	16.7
4	☐			287.78		P	5.9
5	☐			292.23		P	20.7
6	☐			298.89		P	4.5
7	☐			383.34		P	4.6
8	☐			392.23		P	7.7

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

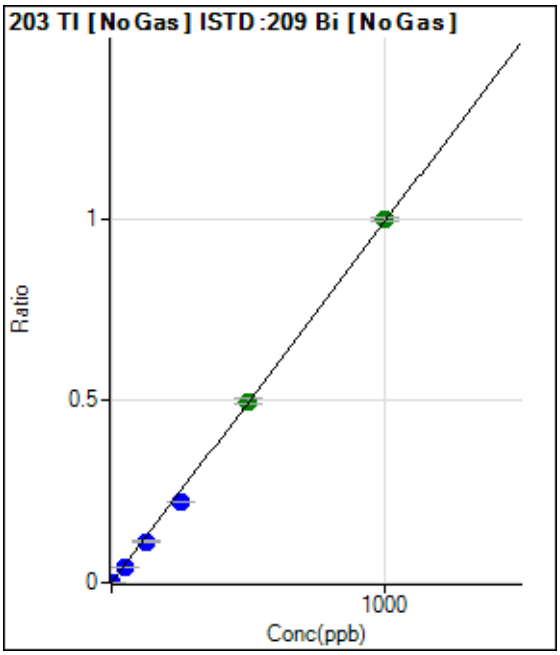


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			64.45		P	30.3
2	☐			65.56		P	32.7
3	☐			76.67		P	8.7
4	☐			97.78		P	22.7
5	☐			120.00		P	12.7
6	☐			172.23		P	8.7
7	☐			205.56		P	13.2
8	☐			262.23		P	7.2



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			34.44		P	5.6
2	☐			48.89		P	31.5
3	☐			38.89		P	40.5
4	☐			75.56		P	10.2
5	☐			78.89		P	17.1
6	☐			87.78		P	7.9
7	☐			135.56		P	9.9
8	☐			155.56		P	4.5

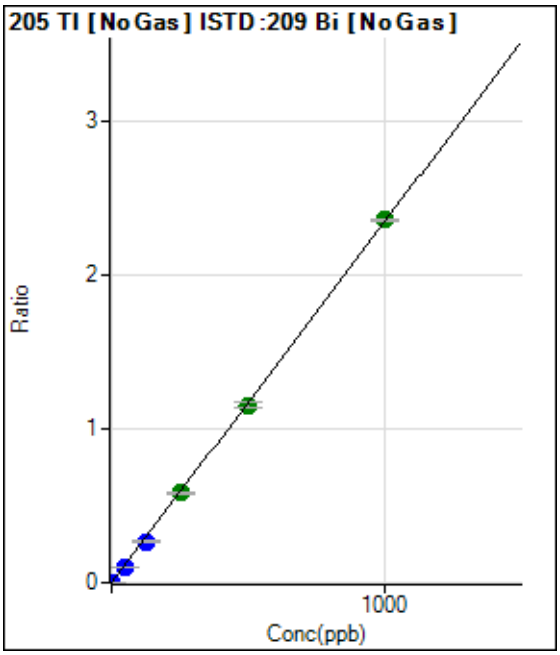
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0000	P	47.1
2	☐	1.000	0.818	4421.88	0.0008	P	3.0
3	☐	50.000	44.151	240214.15	0.0437	P	1.4
4	☐	125.000	114.424	617073.52	0.1134	P	0.7
5	☐	250.000	223.886	1226419.89	0.2218	P	1.9
6	☐	500.000	503.200	2763300.62	0.4985	A	3.1
7	☐	1000.000	1006.543	5472020.58	0.9971	A	0.9
8	☐			576.69	0.0001	P	18.5

y = 9.9059E-004 * x + 9.0752E-006
R = 0.9996
DL = 0.01294
BEC = 0.009161

Weight: <None>
Min Conc: 0

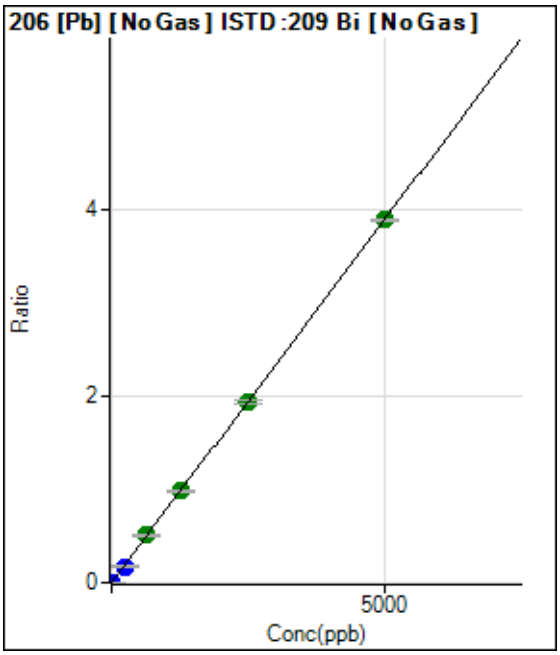


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.89	0.0000	P	26.1
2	☐	1.000	0.806	10309.54	0.0019	P	0.0
3	☐	50.000	44.301	571314.64	0.1040	P	1.0
4	☐	125.000	114.373	1461995.41	0.2686	P	0.9
5	☐	250.000	249.072	3233517.14	0.5849	A	3.0
6	☐	500.000	491.975	6404825.80	1.1552	A	2.8
7	☐	1000.000	1005.858	12961065.36	2.3618	A	0.7
8	☐			1306.75	0.0003	P	13.7

y = 0.0023 * x + 1.6925E-005
R = 0.9999
DL = 0.005639
BEC = 0.007208

Weight: <None>
Min Conc: 0

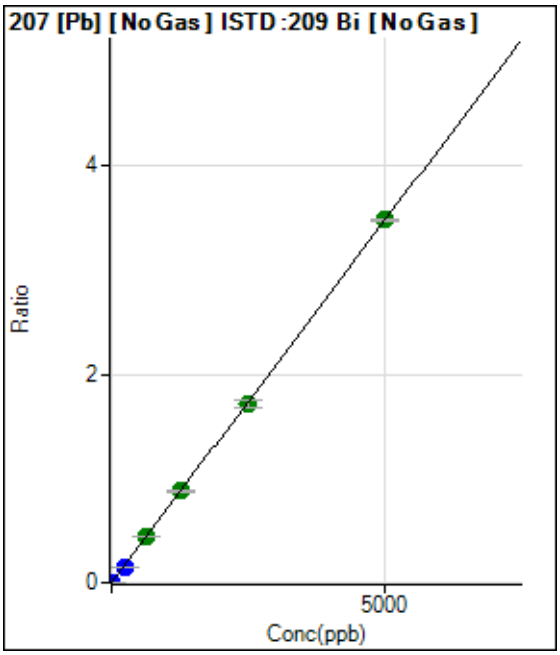
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	384.45	0.0001	P	0.8
2	☐	1.000	0.847	3945.07	0.0007	P	4.0
3	☐	250.000	224.156	956542.50	0.1742	P	1.9
4	☐	625.000	649.914	2748885.20	0.5049	A	0.7
5	☐	1250.000	1260.329	5414700.37	0.9791	A	1.4
6	☐	2500.000	2493.846	10739772.90	1.9373	A	2.9
7	☐	5000.000	4998.673	21309008.01	3.8830	A	0.8
8	☐			7087.46	0.0014	P	3.5

y = 7.7679E-004 * x + 7.3073E-005
R = 1.0000
DL = 0.002145
BEC = 0.09407

Weight: <None>
Min Conc: 0

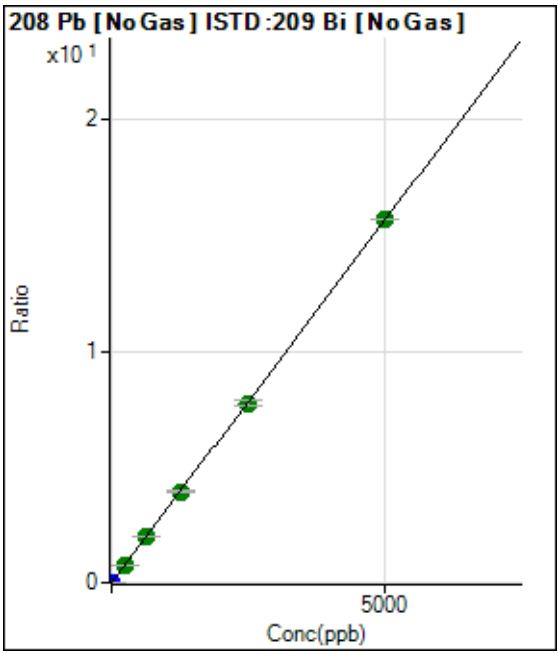


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	340.01	0.0001	P	6.4
2	☐	1.000	0.791	3316.00	0.0006	P	2.9
3	☐	250.000	219.366	837656.40	0.1525	P	1.7
4	☐	625.000	639.100	2418621.89	0.4443	A	0.8
5	☐	1250.000	1265.336	4863395.24	0.8796	A	2.5
6	☐	2500.000	2462.913	9489752.01	1.7120	A	4.1
7	☐	5000.000	5014.479	19127903.32	3.4856	A	0.5
8	☐			6144.78	0.0013	P	1.9

y = 6.9509E-004 * x + 6.4609E-005
R = 0.9999
DL = 0.01789
BEC = 0.09295

Weight: <None>
Min Conc: 0

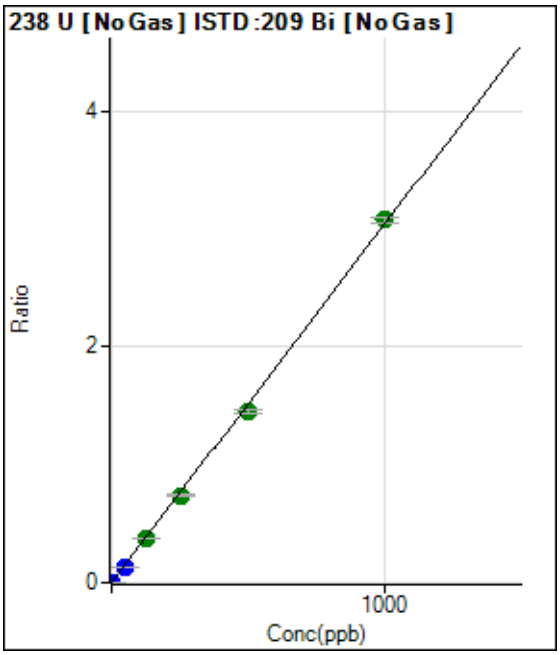
Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1615.61	0.0003	P	0.6
2	☐	1.000	0.822	15529.23	0.0029	P	2.1
3	☐	250.000	235.133	4040879.17	0.7359	A	1.6
4	☐	625.000	638.962	10882820.83	1.9992	A	0.7
5	☐	1250.000	1258.203	21767400.72	3.9363	A	2.4
6	☐	2500.000	2474.131	42909624.02	7.7401	A	2.9
7	☐	5000.000	5009.882	86011688.44	15.6727	A	0.1
8	☐			28262.89	0.0058	P	2.2

y = 0.0031 * x + 3.0708E-004
R = 1.0000
DL = 0.001689
BEC = 0.09816

Weight: <None>
Min Conc: 0

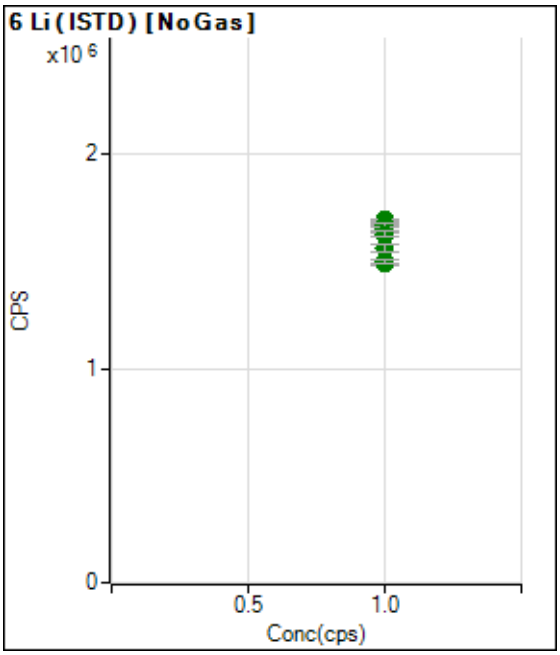


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0000	P	1.1
2	☐	1.000	0.782	12854.08	0.0024	P	0.7
3	☐	50.000	42.808	714844.17	0.1302	P	1.5
4	☐	125.000	123.948	2051399.87	0.3769	A	3.4
5	☐	250.000	244.153	4105255.28	0.7424	A	2.7
6	☐	500.000	478.859	8072868.14	1.4562	A	2.6
7	☐	1000.000	1012.524	16899854.06	3.0790	A	1.6
8	☐			1190.07	0.0002	P	4.2

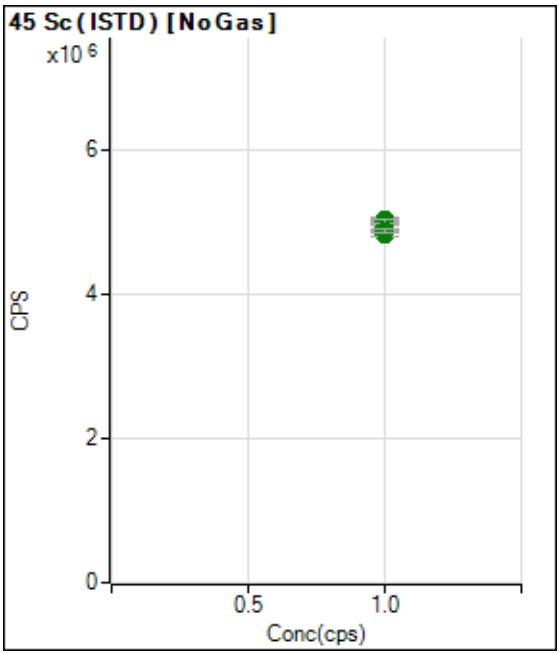
y = 0.0030 * x + 2.5338E-006
R = 0.9997
DL = 2.734E-05
BEC = 0.0008333

Weight: <None>
Min Conc: 0

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

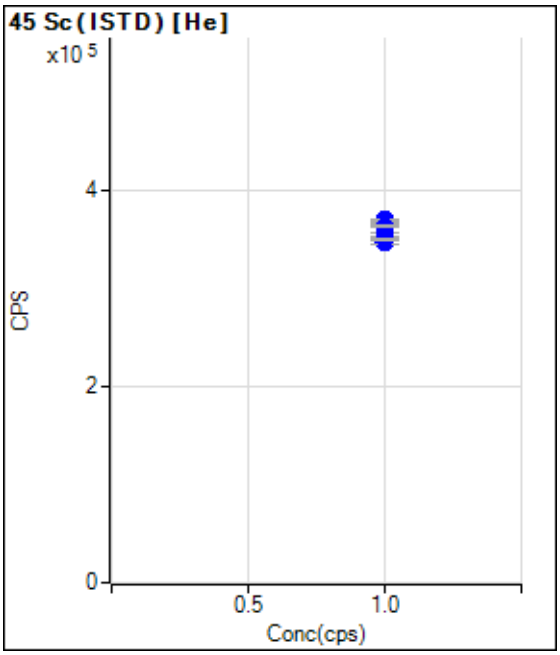


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1485548.66		A	0.3
2	☐	1.000		1495298.83		A	1.3
3	☐	1.000		1560819.09		A	2.2
4	☐	1.000		1623656.68		A	1.3
5	☐	1.000		1653177.32		A	1.5
6	☐	1.000		1693383.39		A	0.4
7	☐	1.000		1666648.39		A	0.9
8	☐	1.000		1626735.17		A	1.8

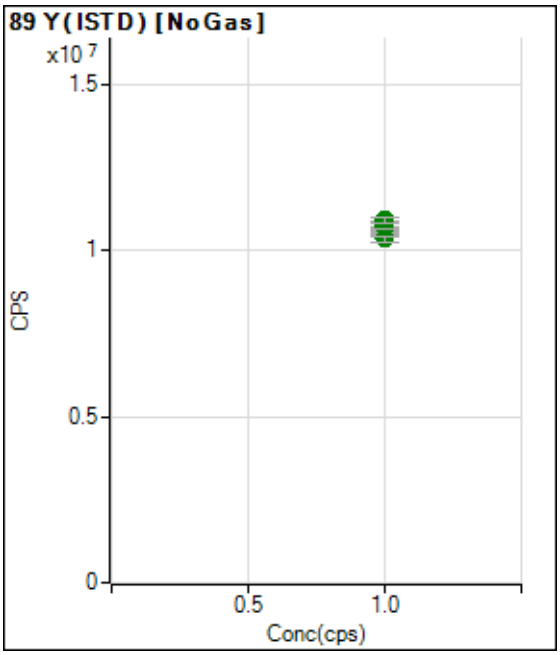


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4834937.32		A	1.0
2	☐	1.000		4942952.64		A	1.7
3	☐	1.000		4993304.85		A	1.2
4	☐	1.000		5023733.95		A	0.5
5	☐	1.000		5040088.33		A	1.7
6	☐	1.000		4902512.84		A	0.9
7	☐	1.000		5027685.93		A	1.3
8	☐	1.000		4881515.20		A	1.0

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

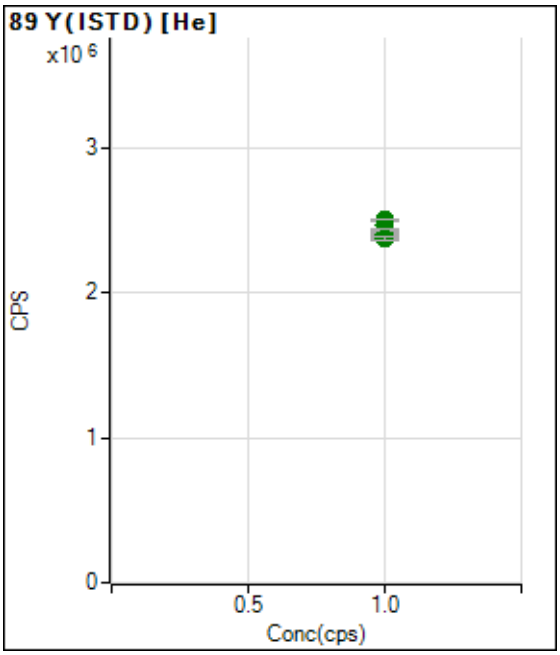


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		356619.08		P	0.1
2	☐	1.000		367319.30		P	0.6
3	☐	1.000		369582.97		P	0.7
4	☐	1.000		362778.05		P	0.7
5	☐	1.000		352650.19		P	0.3
6	☐	1.000		346475.11		P	0.9
7	☐	1.000		352928.99		P	0.2
8	☐	1.000		349681.97		P	0.8

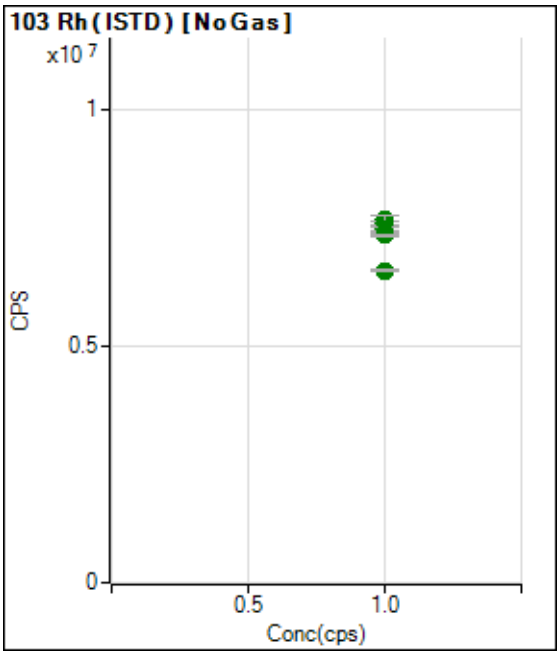


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		10460004.22		A	0.6
2	☐	1.000		10800949.84		A	1.7
3	☐	1.000		10801204.98		A	1.2
4	☐	1.000		10910298.31		A	1.3
5	☐	1.000		10586551.30		A	0.8
6	☐	1.000		10747886.85		A	1.8
7	☐	1.000		10931621.22		A	1.3
8	☐	1.000		10360996.79		A	1.5

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

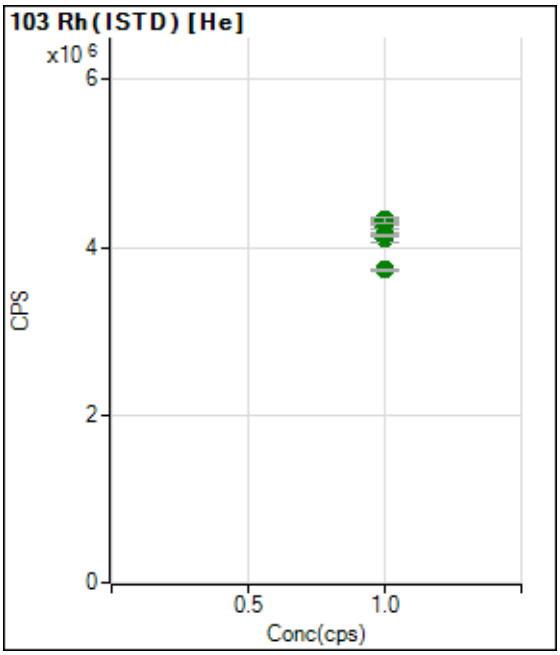


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2431122.65		A	1.0
2	☐	1.000		2467872.79		A	2.8
3	☐	1.000		2503470.95		A	0.5
4	☐	1.000		2469704.04		A	2.6
5	☐	1.000		2390095.95		A	0.6
6	☐	1.000		2396176.60		A	1.5
7	☐	1.000		2440626.70		A	0.5
8	☐	1.000		2369153.32		A	1.1

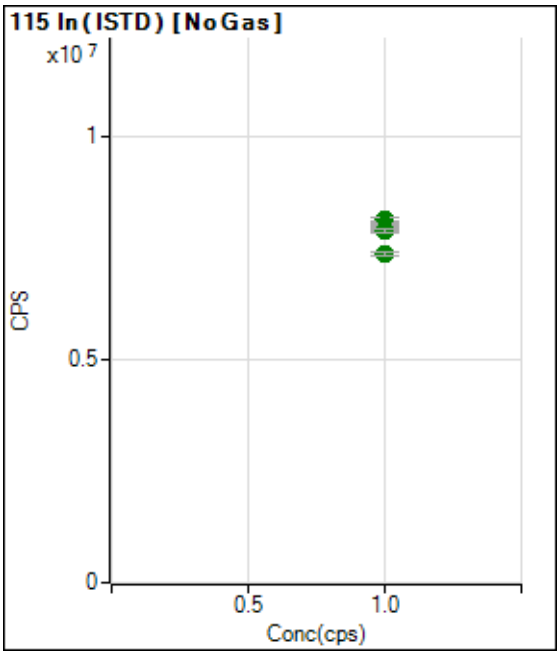


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7476748.99		A	1.3
2	☐	1.000		7640209.96		A	2.8
3	☐	1.000		7578258.64		A	1.3
4	☐	1.000		7661989.05		A	2.3
5	☐	1.000		7484995.23		A	1.0
6	☐	1.000		7395047.74		A	0.6
7	☐	1.000		7347676.28		A	0.5
8	☐	1.000		6593685.80		A	0.6

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

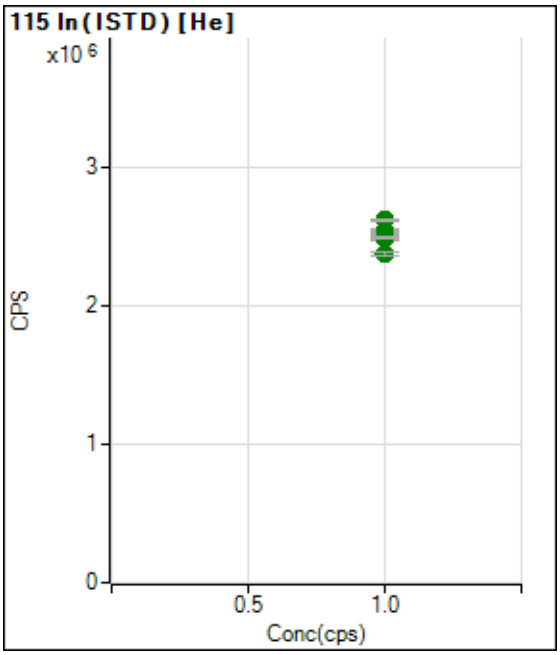


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4236047.19		A	1.0
2	☐	1.000		4304039.90		A	0.4
3	☐	1.000		4313964.52		A	1.0
4	☐	1.000		4325784.00		A	1.7
5	☐	1.000		4159656.29		A	0.8
6	☐	1.000		4099342.40		A	2.2
7	☐	1.000		4145053.06		A	0.8
8	☐	1.000		3730967.62		A	0.6

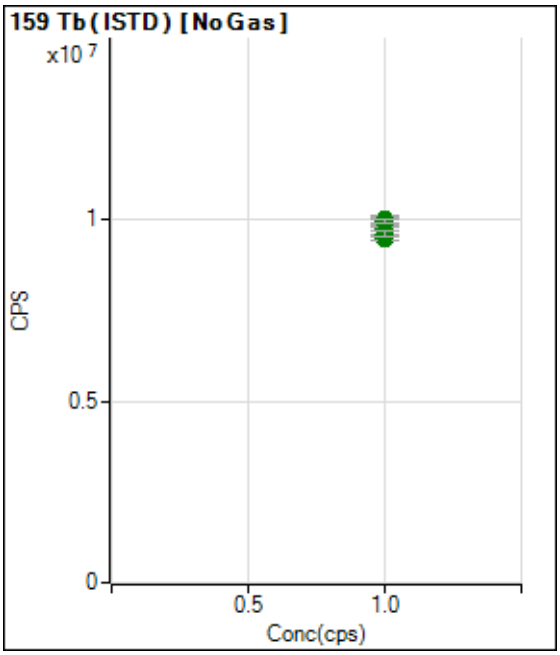


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7897501.56		A	0.3
2	☐	1.000		7929507.08		A	1.7
3	☐	1.000		8060459.43		A	0.8
4	☐	1.000		8136194.24		A	1.2
5	☐	1.000		8020643.93		A	0.9
6	☐	1.000		7950808.31		A	1.3
7	☐	1.000		7905195.66		A	1.1
8	☐	1.000		7383486.10		A	1.3

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

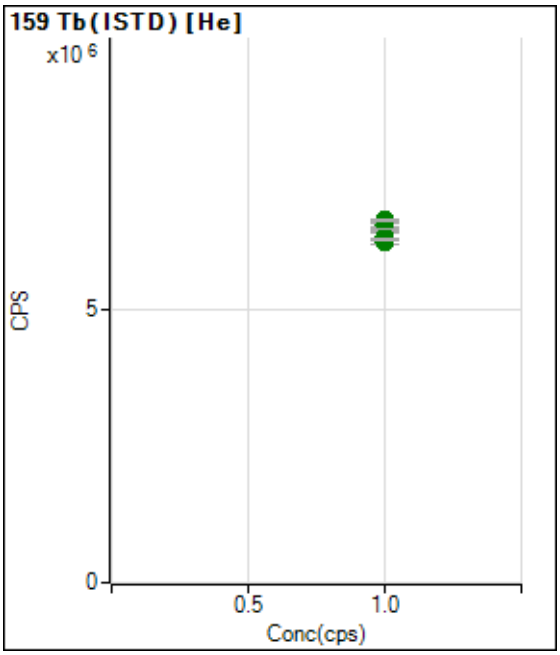


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2524168.59		A	1.7
2	☐	1.000		2547955.93		A	0.8
3	☐	1.000		2619905.41		A	0.4
4	☐	1.000		2538554.47		A	0.6
5	☐	1.000		2521955.65		A	0.4
6	☐	1.000		2483732.77		A	1.1
7	☐	1.000		2496342.89		A	0.4
8	☐	1.000		2376577.10		A	0.9

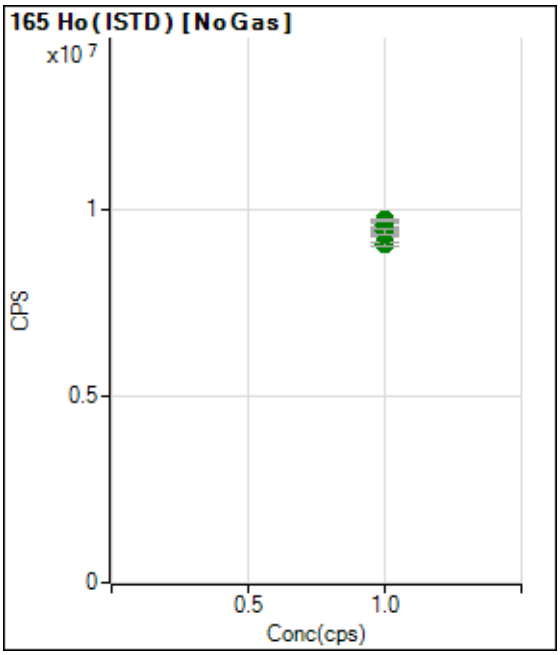


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9512453.05		A	1.2
2	☐	1.000		9548874.23		A	2.6
3	☐	1.000		9767763.95		A	1.6
4	☐	1.000		9850589.37		A	1.1
5	☐	1.000		9946308.18		A	2.2
6	☐	1.000		9998264.16		A	2.2
7	☐	1.000		9945907.56		A	0.9
8	☐	1.000		9600342.01		A	1.7

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

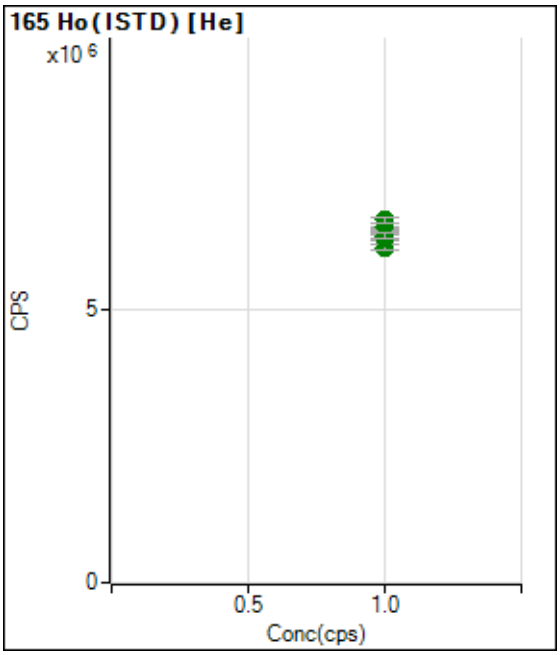


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6221683.73		A	1.6
2	☐	1.000		6301204.28		A	2.2
3	☐	1.000		6410555.32		A	0.9
4	☐	1.000		6453704.83		A	1.1
5	☐	1.000		6454593.65		A	1.3
6	☐	1.000		6511362.82		A	1.3
7	☐	1.000		6620732.54		A	0.7
8	☐	1.000		6257241.16		A	0.7

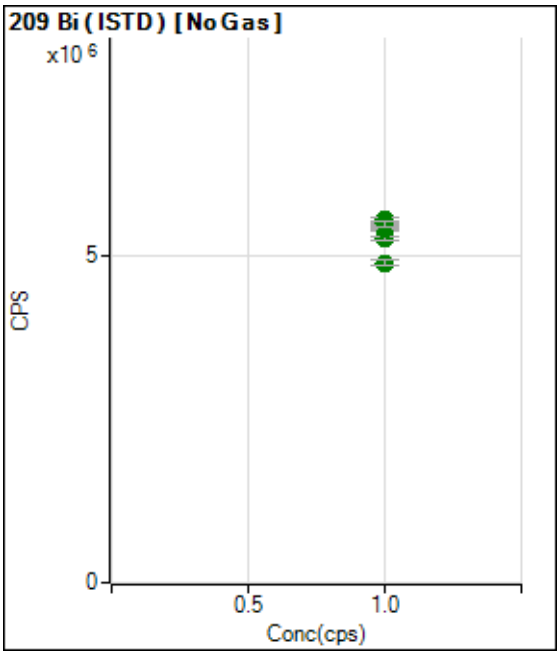


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9076237.30		A	1.2
2	☐	1.000		9305082.29		A	1.2
3	☐	1.000		9400143.12		A	0.3
4	☐	1.000		9472887.43		A	1.2
5	☐	1.000		9574499.65		A	1.9
6	☐	1.000		9688687.01		A	1.2
7	☐	1.000		9704935.00		A	0.6
8	☐	1.000		9407101.11		A	1.6

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

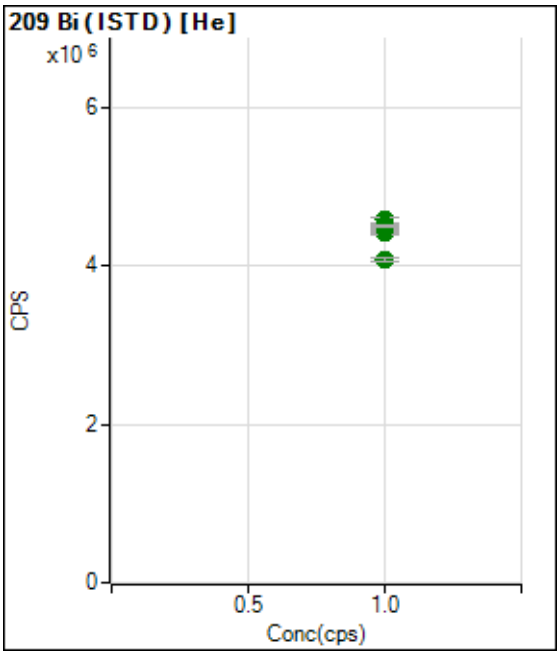


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		1.000		6163474.49		A	1.4
2		1.000		6338021.64		A	1.9
3		1.000		6471983.79		A	0.3
4		1.000		6520657.89		A	0.7
5		1.000		6460425.25		A	1.1
6		1.000		6537414.28		A	1.8
7		1.000		6664672.40		A	1.3
8		1.000		6367740.88		A	1.8



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		1.000		5261259.61		A	1.1
2		1.000		5396371.13		A	0.3
3		1.000		5491627.77		A	0.6
4		1.000		5443926.51		A	1.1
5		1.000		5531274.57		A	2.3
6		1.000		5545551.51		A	1.8
7		1.000		5488020.23		A	1.5
8		1.000		4893886.21		A	1.8

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4419462.85		A	0.5
2	☐	1.000		4490320.77		A	0.9
3	☐	1.000		4531694.97		A	1.0
4	☐	1.000		4586250.21		A	1.7
5	☐	1.000		4517237.61		A	0.4
6	☐	1.000		4462439.58		A	0.3
7	☐	1.000		4499658.37		A	0.5
8	☐	1.000		4078617.75		A	1.5

US EPA Tune Check Report

Operator Name	Jaswal
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\P7082524MS.b
Acq. Date-Time	2024-08-25 13:10:16
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		6648	66484.38			0.248	5.000
24		91055	910550.05			1.646	5.000
25		12482	124818.59			1.315	5.000
26		15209	152090.71			0.932	5.000
59		61794	617939.30			1.211	5.000
113		8430	84303.47			1.436	5.000
115		99446	994456.27			0.843	5.000
206		17814	178142.01			0.924	5.000
207		15839	158386.65			0.895	5.000
208		37793	377930.16			1.050	5.000
220		1	8.30			31.763	

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

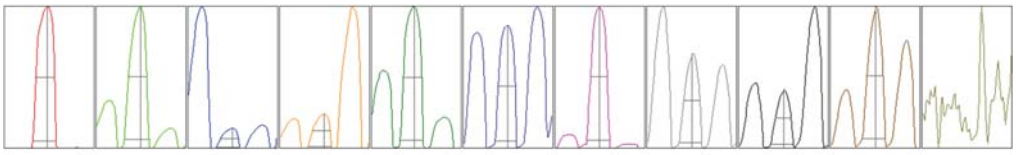
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	6633	6631	6667	6662	6649
24	89157	89826	91474	92279	92539
25	12245	12377	12599	12568	12621
26	15041	15069	15326	15322	15287
59	60860	61470	61585	62260	62795
113	8303	8294	8532	8496	8527
115	98402	98675	99908	100149	100094
206	17622	17654	17894	17917	17984
207	15676	15710	15899	15895	16013
208	37258	37537	37956	37942	38272

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	10964.33	8.95	8.90 - 9.10	
24	158301.04	24.00	23.90 - 24.10	
25	22068.77	25.00	24.90 - 25.10	
26	25457.36	26.00	25.90 - 26.10	
59	103143.97	58.95	58.90 - 59.10	
113	15239.62	113.00	112.90 - 113.10	
115	183333.91	115.00	114.90 - 115.10	
206	34059.79	206.05	205.90 - 206.10	
207	30521.11	207.05	206.90 - 207.10	
208	73186.44	208.05	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.64	0.780	0.900	
24	0.62	0.825	0.900	
25	0.59	0.775	0.900	
26	0.60	0.780	0.900	
59	0.63	0.778	0.900	
113	0.56	0.729	0.900	
115	0.55	0.773	0.900	
206	0.53	0.769	0.900	
207	0.52	0.771	0.900	
208	0.53	0.781	0.900	
220				

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

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 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	6.9 V	Deflect	15.4 V
Extract 2	-125.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	136	Axis Gain	0.9979	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.08		

Hardware Settings

Torch

Torch H	0.7 mm	Torch V	0.7 mm		

EM

Discriminator	4.8 mV	Analog HV	2328 V	Pulse HV	1482 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		19836	198359.58			0.767	
89		20065	200654.58			0.712	
205		20262	202623.49			0.335	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	19936	19974	19797	19882	19591
89	20217	20073	20085	20122	19831
205	20278	20180	20233	20365	20256

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 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	9.2 V	Deflect	4.0 V

US EPA Tune Check Report

Extract 2	-155.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-75 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	136	Axis Gain	0.9979	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.08		

Hardware Settings

Torch

Torch H	0.7 mm	Torch V	0.7 mm

EM

Discriminator	4.8 mV	Analog HV	2328 V	Pulse HV	1482 V

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:38:45	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.09	-0.06	0.15	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	-0.01	-0.01	0.00	N/A	ppb
Barium	135-1	-0.01	0.02	-0.02	0.00	N/A	ppb
Barium	137-1	0.01	0.00	-0.01	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Cadmium	106-1	0.25	0.33	-0.58	0.00	N/A	ppb
Cadmium	111-1	0.02	0.04	-0.05	0.00	N/A	ppb
Calcium	43-1	1.68	0.77	-2.45	0.00	N/A	ppb
Calcium	44-1	-1.44	0.89	0.55	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	0.04	-0.02	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.01	-0.01	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.20	-0.09	-0.11	0.00	N/A	ppb
Iron	57-2	1.11	-1.78	0.67	0.00	N/A	ppb
Iron	54-2	0.28	-0.19	-0.09	0.00	N/A	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:38:45	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	0.00	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.11	-0.12	0.01	0.00	N/A	ppb
Manganese	55-2	0.00	-0.02	0.02	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.00	0.00	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	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.01	0.00	0.00	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	-0.04	0.04	0.00	N/A	ppb
Phosphorus	31-2	-12.42	-17.77	-12.39	-14.19		ppb
Potassium	39-2	1.09	0.10	-1.19	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.11	0.10	0.01	0.00	N/A	ppb
Selenium	77-2	-0.13	-0.13	0.25	0.00	N/A	ppb
Selenium	78-2	-0.39	-0.22	0.61	0.00	N/A	ppb
Silicon	28-1	-0.07	0.02	0.05	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	0.77	-0.69	-0.08	0.00	N/A	ppb
Strontium	86-1	0.01	-0.01	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-34.92	94.76	76.40	45.41	154.53	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	0.00	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	0.01	-0.01	0.01	0.00	N/A	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:38:45	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	0.21	-0.20	-0.02	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.01	0.00	-0.01	0.00	N/A	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:42:02	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.48	19.87	19.82	19.06	7.15	ppb
Antimony	121-1	1.85	1.86	1.77	1.83	2.74	ppb
Arsenic	75-2	0.81	1.02	1.09	0.97	14.99	ppb
Barium	135-1	8.77	9.09	8.72	8.86	2.28	ppb
Barium	137-1	8.83	9.47	8.74	9.01	4.39	ppb
Beryllium	9-1	1.10	1.19	1.00	1.10	8.66	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.29	1.08	1.16	1.18	8.88	ppb
Cadmium	106-1	0.07	-0.23	0.74	0.19	260.77	ppb
Cadmium	111-1	0.86	0.90	1.05	0.94	10.52	ppb
Calcium	43-1	488.79	525.50	496.72	503.67	3.84	ppb
Calcium	44-1	517.07	525.86	508.08	517.00	1.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.91	1.91	1.89	1.91	0.56	ppb
Cobalt	59-2	1.02	1.03	1.01	1.02	0.55	ppb
Copper	63-2	1.98	1.97	1.91	1.95	1.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	52.36	56.54	52.36	53.75	4.49	ppb
Iron	57-2	56.58	55.05	56.25	55.96	1.44	ppb
Iron	54-2	55.64	55.65	55.55	55.61	0.10	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:42:02	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.85	0.89	0.81	0.85	4.43	ppb
Lead	207-1	0.77	0.82	0.78	0.79	3.19	ppb
Lead	208-1	0.82	0.84	0.80	0.82	2.36	ppb
Lithium	6-1				101		%
Magnesium	24-2	491.34	490.46	496.61	492.80	0.68	ppb
Manganese	55-2	0.99	0.95	0.97	0.97	2.17	ppb
Molybdenum	94-1	5.50	5.58	5.40	5.49	1.61	ppb
Molybdenum	95-1	4.65	4.72	4.58	4.65	1.43	ppb
Molybdenum	96-1	4.68	4.72	4.74	4.72	0.67	ppb
Molybdenum	97-1	4.66	4.85	4.69	4.73	2.19	ppb
Molybdenum	98-1	4.68	4.81	4.60	4.70	2.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.84	1.01	0.87	0.91	9.64	ppb
Phosphorus	31-2	20.63	11.21	10.74	14.19	39.32	ppb
Potassium	39-2	509.04	507.51	514.08	510.21	0.67	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	4.38	4.95	4.63	4.65	6.16	ppb
Selenium	77-2	2.02	8.09	4.02	4.71	65.68	ppb
Selenium	78-2	4.50	6.47	4.09	5.02	25.34	ppb
Silicon	28-1	0.15	0.27	0.07	0.16	59.23	ppb
Silver	107-1	0.90	0.94	0.90	0.91	2.16	ppb
Silver	109-1	0.88	0.93	0.88	0.90	3.52	ppb
Sodium	23-2	502.73	494.63	508.44	501.94	1.38	ppb
Strontium	86-1	0.91	0.97	0.90	0.93	3.90	ppb
Strontium	88-1	0.96	0.97	0.95	0.96	1.26	ppb
Sulfur	34-1	-59.82	50.55	-126.97	-45.41		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.82	0.79	0.84	0.82	3.07	ppb
Thallium	205-1	0.81	0.81	0.81	0.81	0.05	ppb
Tin	118-1	4.57	4.82	4.64	4.68	2.69	ppb
Titanium	47-1	4.72	4.87	4.82	4.80	1.60	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:42:02	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.78	0.78	0.79	0.78	0.74	ppb
Vanadium	51-2	4.65	4.52	4.71	4.62	2.08	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	5.30	5.21	5.17	5.23	1.27	ppb
Zirconium	90-1	0.87	0.88	0.83	0.86	2.86	ppb
Zirconium	91-1	0.85	0.85	0.85	0.85	0.18	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:45:21	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1042.19	1047.18	1023.77	1037.71	1.19	ppb
Antimony	121-1	48.10	48.21	50.40	48.90	2.66	ppb
Arsenic	75-2	51.21	51.64	49.87	50.90	1.81	ppb
Barium	135-1	237.41	236.83	243.43	239.22	1.53	ppb
Barium	137-1	240.48	238.26	246.66	241.80	1.80	ppb
Beryllium	9-1	53.57	57.04	55.78	55.46	3.17	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	52.12	50.64	54.79	52.51	4.01	ppb
Cadmium	106-1	53.02	51.96	53.75	52.91	1.70	ppb
Cadmium	111-1	51.60	50.64	53.04	51.76	2.33	ppb
Calcium	43-1	6061.62	6231.57	6086.95	6126.71	1.50	ppb
Calcium	44-1	5476.34	5463.69	5408.71	5449.58	0.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.01	51.34	50.31	51.22	1.67	ppb
Cobalt	59-2	51.16	51.26	50.98	51.14	0.28	ppb
Copper	63-2	511.12	514.16	509.53	511.60	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	56-2	2693.43	2631.52	2616.89	2647.28	1.53	ppb
Iron	57-2	2821.45	2819.90	2769.87	2803.74	1.05	ppb
Iron	54-2	2882.67	2865.30	2803.41	2850.46	1.46	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:45:21	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	219.61	228.29	224.57	224.16	1.94	ppb
Lead	207-1	215.61	223.26	219.23	219.37	1.74	ppb
Lead	208-1	231.73	239.34	234.33	235.13	1.65	ppb
Lithium	6-1				105		%
Magnesium	24-2	5393.86	5326.49	5335.71	5352.02	0.68	ppb
Manganese	55-2	518.01	513.04	508.11	513.05	0.96	ppb
Molybdenum	94-1	544.45	560.59	562.30	555.78	1.77	ppb
Molybdenum	95-1	540.05	556.65	557.69	551.46	1.80	ppb
Molybdenum	96-1	549.48	564.55	578.97	564.33	2.61	ppb
Molybdenum	97-1	548.19	566.48	563.13	559.26	1.74	ppb
Molybdenum	98-1	544.64	557.63	552.75	551.67	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.17	51.88	51.36	51.80	0.79	ppb
Phosphorus	31-2	1014.49	990.57	966.59	990.55	2.42	ppb
Potassium	39-2	2787.21	2793.13	2786.10	2788.81	0.14	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	51.18	53.04	50.85	51.69	2.28	ppb
Selenium	77-2	47.73	43.98	48.32	46.68	5.05	ppb
Selenium	78-2	57.31	53.54	52.07	54.31	4.97	ppb
Silicon	28-1	50.72	51.75	50.61	51.03	1.23	ppb
Silver	107-1	52.36	50.79	53.56	52.24	2.65	ppb
Silver	109-1	51.16	51.41	52.54	51.70	1.41	ppb
Sodium	23-2	5234.14	5268.36	5094.25	5198.92	1.77	ppb
Strontium	86-1	1278.94	1280.32	1273.45	1277.57	0.28	ppb
Strontium	88-1	1272.48	1279.70	1272.07	1274.75	0.34	ppb
Sulfur	34-1	1033.11	1131.72	970.05	1044.96	7.80	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	43.43	44.65	44.37	44.15	1.44	ppb
Thallium	205-1	43.81	44.73	44.36	44.30	1.04	ppb
Tin	118-1	49.57	49.32	51.32	50.07	2.18	ppb
Titanium	47-1	562.30	574.93	567.50	568.24	1.12	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:45:21	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	42.08	43.23	43.12	42.81	1.49	ppb
Vanadium	51-2	50.97	50.89	50.39	50.75	0.62	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	522.31	510.11	510.50	514.30	1.35	ppb
Zirconium	90-1	49.12	50.67	51.33	50.38	2.25	ppb
Zirconium	91-1	49.57	50.53	51.64	50.58	2.04	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:48:28	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2714.58	2767.16	2742.76	2741.50	0.96	ppb
Antimony	121-1	121.70	126.39	124.13	124.07	1.89	ppb
Arsenic	75-2	123.96	131.84	132.55	129.45	3.68	ppb
Barium	135-1	598.00	615.19	609.27	607.49	1.44	ppb
Barium	137-1	623.87	641.74	645.50	637.04	1.81	ppb
Beryllium	9-1	138.01	137.86	139.50	138.46	0.65	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	129.32	138.16	137.07	134.85	3.57	ppb
Cadmium	106-1	130.74	134.00	131.51	132.09	1.29	ppb
Cadmium	111-1	129.03	133.02	130.53	130.86	1.54	ppb
Calcium	43-1	15369.45	15526.30	15497.00	15464.25	0.54	ppb
Calcium	44-1	13652.32	14068.88	13568.53	13763.24	1.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	127.92	131.34	129.04	129.44	1.35	ppb
Cobalt	59-2	127.93	130.06	129.00	129.00	0.83	ppb
Copper	63-2	1331.18	1325.56	1339.14	1331.96	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				104		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	6643.52	6729.77	6850.45	6741.25	1.54	ppb
Iron	57-2	7080.09	7111.76	7158.50	7116.78	0.55	ppb
Iron	54-2	7148.04	7281.60	7245.98	7225.21	0.96	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:48:28	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	653.20	644.41	652.14	649.91	0.74	ppb
Lead	207-1	637.70	645.04	634.56	639.10	0.84	ppb
Lead	208-1	635.55	643.80	637.54	638.96	0.67	ppb
Lithium	6-1				109		%
Magnesium	24-2	12938.36	13192.30	12750.93	12960.53	1.71	ppb
Manganese	55-2	1246.97	1282.27	1274.04	1267.76	1.46	ppb
Molybdenum	94-1	1354.84	1406.59	1402.32	1387.92	2.07	ppb
Molybdenum	95-1	1372.47	1401.66	1422.49	1398.87	1.80	ppb
Molybdenum	96-1	1376.99	1421.79	1420.21	1406.33	1.81	ppb
Molybdenum	97-1	1392.88	1442.98	1435.87	1423.91	1.90	ppb
Molybdenum	98-1	1351.90	1383.40	1404.40	1379.90	1.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	148.69	150.38	148.98	149.35	0.61	ppb
Phosphorus	31-2	2482.95	2575.69	2565.18	2541.28	2.00	ppb
Potassium	39-2	6549.44	6584.79	6539.74	6557.99	0.36	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	125.35	130.31	130.95	128.87	2.38	ppb
Selenium	77-2	129.77	122.17	132.61	128.18	4.21	ppb
Selenium	78-2	129.09	135.79	133.11	132.66	2.54	ppb
Silicon	28-1	124.91	126.76	126.05	125.90	0.74	ppb
Silver	107-1	128.12	132.60	130.44	130.39	1.71	ppb
Silver	109-1	127.01	133.14	131.47	130.54	2.43	ppb
Sodium	23-2	13122.60	13155.91	12681.55	12986.68	2.04	ppb
Strontium	86-1	3137.70	3238.39	3188.05	3188.05	1.58	ppb
Strontium	88-1	3183.12	3219.81	3175.92	3192.95	0.74	ppb
Sulfur	34-1	2430.00	2284.23	2365.88	2360.04	3.10	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	113.53	114.85	114.89	114.42	0.68	ppb
Thallium	205-1	113.35	115.33	114.44	114.37	0.87	ppb
Tin	118-1	124.81	129.00	125.94	126.58	1.71	ppb
Titanium	47-1	1427.54	1400.80	1405.80	1411.38	1.01	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:48:28	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	120.64	128.69	122.52	123.95	3.40	ppb
Vanadium	51-2	128.71	129.27	128.46	128.82	0.32	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	1279.91	1309.84	1277.79	1289.18	1.39	ppb
Zirconium	90-1	122.40	125.70	129.62	125.91	2.87	ppb
Zirconium	91-1	124.26	127.05	129.09	126.80	1.91	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:51:26	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5177.24	5207.11	5191.91	5192.09	0.29	ppb
Antimony	121-1	242.71	243.20	250.74	245.55	1.83	ppb
Arsenic	75-2	252.00	254.14	259.67	255.27	1.55	ppb
Barium	135-1	1232.24	1235.07	1267.28	1244.87	1.56	ppb
Barium	137-1	1222.10	1249.47	1264.06	1245.21	1.71	ppb
Beryllium	9-1	265.52	274.94	270.05	270.17	1.74	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	245.52	254.09	263.22	254.28	3.48	ppb
Cadmium	106-1	250.33	252.56	260.32	254.40	2.06	ppb
Cadmium	111-1	245.32	249.39	259.30	251.34	2.86	ppb
Calcium	43-1	29933.57	29764.29	30468.23	30055.37	1.22	ppb
Calcium	44-1	26348.52	26756.83	27283.67	26796.34	1.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	253.75	255.79	258.51	256.02	0.93	ppb
Cobalt	59-2	253.51	252.24	255.61	253.79	0.67	ppb
Copper	63-2	2620.34	2614.10	2606.80	2613.75	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				105		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	13366.15	13256.23	13530.03	13384.14	1.03	ppb
Iron	57-2	14111.13	13934.70	14145.39	14063.74	0.80	ppb
Iron	54-2	13740.90	13697.42	13855.92	13764.75	0.59	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:51:26	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1251.35	1281.06	1248.57	1260.33	1.43	ppb
Lead	207-1	1265.87	1297.31	1232.83	1265.34	2.55	ppb
Lead	208-1	1240.63	1293.20	1240.78	1258.20	2.41	ppb
Lithium	6-1				111		%
Magnesium	24-2	25705.24	25700.25	25557.18	25654.22	0.33	ppb
Manganese	55-2	2521.67	2509.75	2556.98	2529.47	0.97	ppb
Molybdenum	94-1	2768.56	2826.72	2842.70	2812.66	1.39	ppb
Molybdenum	95-1	2741.36	2769.25	2823.56	2778.06	1.50	ppb
Molybdenum	96-1	2741.56	2827.27	2825.26	2798.03	1.75	ppb
Molybdenum	97-1	2766.00	2805.80	2842.12	2804.64	1.36	ppb
Molybdenum	98-1	2746.78	2811.99	2836.13	2798.30	1.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	292.94	295.64	292.02	293.53	0.64	ppb
Phosphorus	31-2	5105.87	5088.09	5079.58	5091.18	0.26	ppb
Potassium	39-2	13064.94	13352.70	12881.76	13099.80	1.81	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	255.46	266.02	263.34	261.61	2.10	ppb
Selenium	77-2	260.85	265.10	280.88	268.94	3.92	ppb
Selenium	78-2	259.80	259.80	261.06	260.22	0.28	ppb
Silicon	28-1	254.45	252.53	255.85	254.28	0.66	ppb
Silver	107-1	246.71	260.82	268.35	258.63	4.25	ppb
Silver	109-1	248.72	254.60	264.98	256.10	3.21	ppb
Sodium	23-2	26056.58	26077.65	25914.13	26016.12	0.34	ppb
Strontium	86-1	6218.63	6399.96	6353.29	6323.96	1.49	ppb
Strontium	88-1	6265.00	6419.08	6443.63	6375.90	1.52	ppb
Sulfur	34-1	4939.10	4465.92	4680.77	4695.26	5.05	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	223.90	228.20	219.55	223.89	1.93	ppb
Thallium	205-1	249.76	256.21	241.25	249.07	3.01	ppb
Tin	118-1	240.34	243.80	252.94	245.69	2.65	ppb
Titanium	47-1	2733.95	2734.54	2744.60	2737.70	0.22	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:51:26	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	241.56	251.68	239.22	244.15	2.71	ppb
Vanadium	51-2	254.96	256.64	257.70	256.43	0.54	ppb
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	2565.47	2581.34	2551.04	2565.95	0.59	ppb
Zirconium	90-1	255.18	257.16	258.27	256.87	0.61	ppb
Zirconium	91-1	250.26	259.18	256.61	255.35	1.80	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:54:16	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10390.41	10135.13	10352.05	10292.53	1.34	ppb
Antimony	121-1	494.23	493.65	487.29	491.72	0.78	ppb
Arsenic	75-2	513.47	491.20	507.08	503.92	2.28	ppb
Barium	135-1	2454.45	2478.71	2442.41	2458.52	0.75	ppb
Barium	137-1	2518.32	2441.99	2421.34	2460.55	2.08	ppb
Beryllium	9-1	520.92	529.41	533.76	528.03	1.24	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.30	500.12	499.48	501.63	0.64	ppb
Cadmium	106-1	515.93	498.28	496.01	503.41	2.17	ppb
Cadmium	111-1	493.26	495.40	490.95	493.20	0.45	ppb
Calcium	43-1	60310.89	63250.20	62388.08	61983.06	2.44	ppb
Calcium	44-1	52918.64	55880.57	54798.25	54532.49	2.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.30	516.34	513.90	512.84	0.80	ppb
Cobalt	59-2	513.14	510.04	517.82	513.67	0.76	ppb
Copper	63-2	5215.88	5051.76	5197.64	5155.09	1.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	27161.16	27120.96	27215.86	27165.99	0.18	ppb
Iron	57-2	28223.06	28152.35	28636.88	28337.43	0.92	ppb
Iron	54-2	26809.73	27465.81	27274.29	27183.27	1.24	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:54:16	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2422.61	2564.99	2493.94	2493.85	2.85	ppb
Lead	207-1	2358.03	2559.86	2470.85	2462.91	4.11	ppb
Lead	208-1	2398.98	2542.30	2481.11	2474.13	2.91	ppb
Lithium	6-1				114		%
Magnesium	24-2	51700.71	51107.66	51975.82	51594.73	0.86	ppb
Manganese	55-2	5086.69	5098.10	5093.84	5092.88	0.11	ppb
Molybdenum	94-1	5319.03	5436.69	5704.29	5486.67	3.60	ppb
Molybdenum	95-1	5179.90	5563.04	5633.99	5458.98	4.47	ppb
Molybdenum	96-1	5357.47	5516.10	5552.36	5475.31	1.89	ppb
Molybdenum	97-1	5289.67	5618.32	5757.10	5555.03	4.32	ppb
Molybdenum	98-1	5180.58	5628.82	5743.02	5517.47	5.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.19	510.67	516.53	511.13	1.02	ppb
Phosphorus	31-2	10129.92	9899.43	10065.27	10031.54	1.19	ppb
Potassium	39-2	25976.98	26018.60	25333.11	25776.23	1.49	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	487.19	507.31	523.61	506.03	3.61	ppb
Selenium	77-2	533.01	492.39	508.58	511.33	4.00	ppb
Selenium	78-2	524.30	490.54	513.15	509.33	3.38	ppb
Silicon	28-1	510.01	535.60	517.45	521.02	2.53	ppb
Silver	107-1	500.86	504.21	500.27	501.78	0.42	ppb
Silver	109-1	517.75	496.12	489.01	500.96	2.99	ppb
Sodium	23-2	52557.15	51435.02	53072.27	52354.81	1.60	ppb
Strontium	86-1	12129.72	12751.77	12920.02	12600.50	3.30	ppb
Strontium	88-1	12030.87	12853.03	12847.63	12577.18	3.76	ppb
Sulfur	34-1	9998.74	10528.06	10165.43	10230.74	2.65	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	492.25	521.04	496.31	503.20	3.10	ppb
Thallium	205-1	476.18	499.89	499.86	491.98	2.78	ppb
Tin	118-1	503.17	502.26	499.13	501.52	0.42	ppb
Titanium	47-1	5468.29	5726.19	5590.97	5595.15	2.31	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:54:16	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	465.95	490.66	479.96	478.86	2.59	ppb
Vanadium	51-2	509.29	512.18	515.48	512.32	0.60	ppb
Yttrium	89-1				103		%
Yttrium	89-2				99		%
Zinc	66-2	5228.34	5090.77	5325.64	5214.92	2.26	ppb
Zirconium	90-1	485.33	498.53	521.51	501.79	3.65	ppb
Zirconium	91-1	485.06	504.91	520.25	503.41	3.50	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:57:06	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19873.29	19949.95	19800.22	19874.48	0.38	ppb
Antimony	121-1	1002.73	1012.78	1000.76	1005.42	0.64	ppb
Arsenic	75-2	1001.56	999.12	987.69	996.12	0.74	ppb
Barium	135-1	5061.78	5021.39	4991.10	5024.75	0.71	ppb
Barium	137-1	4971.34	5090.31	4997.84	5019.83	1.24	ppb
Beryllium	9-1	970.13	986.45	980.38	978.99	0.84	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	998.89	997.13	994.25	996.76	0.24	ppb
Cadmium	106-1	999.21	986.70	1002.58	996.16	0.84	ppb
Cadmium	111-1	991.85	1007.94	1006.94	1002.24	0.90	ppb
Calcium	43-1	113562.45	115152.95	117944.40	115553.27	1.92	ppb
Calcium	44-1	106793.26	110151.61	109974.88	108973.25	1.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1002.99	977.91	993.48	991.46	1.28	ppb
Cobalt	59-2	991.88	997.28	985.82	991.66	0.58	ppb
Copper	63-2	10033.43	9805.52	9810.64	9883.19	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				107		%
Holmium	165-2				108		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	52378.84	52713.28	52323.69	52471.94	0.40	ppb
Iron	57-2	52423.61	52483.69	52654.98	52520.76	0.23	ppb
Iron	54-2	53773.57	53975.33	53527.58	53758.83	0.42	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:57:06	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5030.80	5008.99	4956.23	4998.67	0.77	ppb
Lead	207-1	5044.71	4993.07	5005.66	5014.48	0.54	ppb
Lead	208-1	5014.35	5013.54	5001.75	5009.88	0.14	ppb
Lithium	6-1				112		%
Magnesium	24-2	100715.93	102143.43	101866.85	101575.40	0.75	ppb
Manganese	55-2	10030.57	9804.79	9994.60	9943.32	1.22	ppb
Molybdenum	94-1	10737.11	11131.96	11098.22	10989.10	1.99	ppb
Molybdenum	95-1	10846.19	11187.96	10997.18	11010.44	1.56	ppb
Molybdenum	96-1	10834.20	11146.68	11006.24	10995.70	1.42	ppb
Molybdenum	97-1	10877.98	11049.76	10929.01	10952.25	0.81	ppb
Molybdenum	98-1	10686.23	11106.63	11142.61	10978.49	2.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	988.61	974.35	978.29	980.42	0.75	ppb
Phosphorus	31-2	20178.68	19876.71	19814.85	19956.75	0.98	ppb
Potassium	39-2	51871.85	50914.86	51254.57	51347.10	0.94	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	976.71	1007.63	996.21	993.51	1.57	ppb
Selenium	77-2	991.41	991.81	984.89	989.37	0.39	ppb
Selenium	78-2	989.30	983.22	1002.29	991.61	0.98	ppb
Silicon	28-1	982.09	984.85	998.13	988.35	0.87	ppb
Silver	107-1	1011.53	982.67	994.30	996.17	1.46	ppb
Silver	109-1	1009.67	987.65	994.33	997.22	1.13	ppb
Sodium	23-2	103281.02	104232.10	104476.88	103996.66	0.61	ppb
Strontium	86-1	24272.69	25718.49	24774.81	24922.00	2.95	ppb
Strontium	88-1	24777.55	25254.31	24728.76	24920.20	1.17	ppb
Sulfur	34-1	19435.97	20042.47	20449.74	19976.06	2.55	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	1007.73	1014.87	997.03	1006.54	0.89	ppb
Thallium	205-1	1011.47	998.34	1007.76	1005.86	0.67	ppb
Tin	118-1	996.59	1001.77	1001.98	1000.12	0.31	ppb
Titanium	47-1	10550.87	11170.61	11128.65	10950.04	3.16	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:57:06	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	994.59	1018.79	1024.19	1012.52	1.56	ppb
Vanadium	51-2	991.64	1009.28	974.24	991.72	1.77	ppb
Yttrium	89-1				105		%
Yttrium	89-2				100		%
Zinc	66-2	10015.94	9857.84	9737.54	9870.44	1.41	ppb
Zirconium	90-1	984.68	1007.36	999.73	997.25	1.16	ppb
Zirconium	91-1	967.42	1016.42	1006.28	996.71	2.60	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:59:52	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101386.62	97949.98	100602.89	99979.83	1.80	ppb
Antimony	121-1	0.74	0.77	0.83	0.78	5.68	ppb
Arsenic	75-2	0.56	0.68	0.46	0.57	19.22	ppb
Barium	135-1	1.84	2.01	1.96	1.94	4.47	ppb
Barium	137-1	2.04	2.09	2.00	2.04	2.10	ppb
Beryllium	9-1	0.15	0.15	0.16	0.15	3.94	ppb
Bismuth	209-1				93		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.61	0.56	0.53	0.57	7.00	ppb
Cadmium	106-1	-0.88	-0.63	-0.35	-0.62		ppb
Cadmium	111-1	0.10	0.13	0.18	0.14	26.68	ppb
Calcium	43-1	496614.22	493767.25	495677.22	495352.90	0.29	ppb
Calcium	44-1	496960.57	497577.36	498340.64	497626.19	0.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.11	4.15	4.22	4.16	1.26	ppb
Cobalt	59-2	2.45	2.46	2.53	2.48	1.74	ppb
Copper	63-2	2.16	2.17	2.14	2.16	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				93		%
Indium	115-2				94		%
Iron	56-2	249839.77	246757.01	251096.37	249231.05	0.90	ppb
Iron	57-2	250117.71	248359.37	248700.55	249059.21	0.37	ppb
Iron	54-2	248539.70	253373.71	244902.94	248938.78	1.71	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:59:52	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.70	1.80	1.81	1.77	3.64	ppb
Lead	207-1	1.68	1.73	1.74	1.71	1.99	ppb
Lead	208-1	1.70	1.77	1.77	1.75	2.34	ppb
Lithium	6-1				110		%
Magnesium	24-2	504338.81	497488.89	496605.43	499477.71	0.85	ppb
Manganese	55-2	5.18	5.42	5.40	5.33	2.54	ppb
Molybdenum	94-1	3.22	3.38	3.10	3.23	4.26	ppb
Molybdenum	95-1	2.37	2.38	2.47	2.41	2.11	ppb
Molybdenum	96-1	4.38	4.27	4.35	4.33	1.40	ppb
Molybdenum	97-1	2.40	2.30	2.39	2.36	2.35	ppb
Molybdenum	98-1	2.40	2.27	2.25	2.31	3.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.49	4.63	4.75	4.62	2.80	ppb
Phosphorus	31-2	-7.86	-7.59	-9.72	-8.39		ppb
Potassium	39-2	251759.76	250030.44	247046.87	249612.36	0.96	ppb
Rhodium	103-1				88		%
Rhodium	103-2				88		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	1.66	1.17	1.80	1.54	21.33	ppb
Selenium	77-2	0.64	0.25	1.43	0.78	77.25	ppb
Selenium	78-2	2.10	0.29	0.22	0.87	122.16	ppb
Silicon	28-1	2.46	2.34	2.12	2.31	7.46	ppb
Silver	107-1	0.13	0.13	0.12	0.13	4.15	ppb
Silver	109-1	0.15	0.13	0.11	0.13	14.37	ppb
Sodium	23-2	504358.40	491979.70	500362.57	498900.22	1.27	ppb
Strontium	86-1	4.61	4.46	4.48	4.52	1.86	ppb
Strontium	88-1	4.73	4.42	4.49	4.55	3.62	ppb
Sulfur	34-1	-671.34	-475.27	-297.56	-481.39		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.13	0.09	0.10	0.11	20.01	ppb
Thallium	205-1	0.12	0.10	0.09	0.11	14.64	ppb
Tin	118-1	0.73	0.75	0.88	0.79	10.45	ppb
Titanium	47-1	2.14	2.05	2.14	2.11	2.32	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:59:52	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.08	0.08	0.08	0.08	4.20	ppb
Vanadium	51-2	0.34	0.34	0.35	0.34	1.43	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	4.29	4.23	4.52	4.34	3.51	ppb
Zirconium	90-1	0.56	0.53	0.55	0.55	2.49	ppb
Zirconium	91-1	0.53	0.54	0.55	0.54	1.55	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 16:38:00	DataFile Name :	018ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	491.39	490.89	499.78	494.02	1.01	ppb
Antimony	121-1	180.35	190.10	189.31	186.59	2.90	ppb
Arsenic	75-2	193.84	197.71	192.15	194.57	1.46	ppb
Barium	135-1	89.02	94.53	92.67	92.07	3.04	ppb
Barium	137-1	90.13	95.88	94.96	93.66	3.30	ppb
Beryllium	9-1	108.95	103.95	103.74	105.55	2.80	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	142.54	151.61	140.12	144.76	4.19	ppb
Cadmium	106-1	152.49	155.52	150.47	152.82	1.66	ppb
Cadmium	111-1	100.13	104.84	103.56	102.84	2.37	ppb
Calcium	43-1	2286.36	2320.75	2300.07	2302.39	0.75	ppb
Calcium	44-1	2157.07	2197.10	2199.56	2184.58	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	96.74	97.44	97.49	97.22	0.43	ppb
Cobalt	59-2	97.69	98.54	98.18	98.13	0.44	ppb
Copper	63-2	99.75	99.03	99.84	99.54	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	1971.50	1989.62	2006.91	1989.35	0.89	ppb
Iron	57-2	2054.73	2104.93	2137.21	2098.96	1.98	ppb
Iron	54-2	2199.91	2213.88	2220.14	2211.31	0.47	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 16:38:00	DataFile Name :	018ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	181.31	189.28	182.27	184.29	2.36	ppb
Lead	207-1	172.69	179.46	173.29	175.15	2.14	ppb
Lead	208-1	185.47	191.23	189.35	188.68	1.56	ppb
Lithium	6-1				107		%
Magnesium	24-2	1126.46	1158.27	1158.88	1147.87	1.62	ppb
Manganese	55-2	98.77	98.87	98.74	98.79	0.07	ppb
Molybdenum	94-1	4657.82	5149.58	4850.51	4885.97	5.07	ppb
Molybdenum	95-1	4679.59	5021.04	4844.12	4848.25	3.52	ppb
Molybdenum	96-1	4712.14	4886.73	4750.95	4783.27	1.92	ppb
Molybdenum	97-1	4588.72	4994.71	4867.37	4816.93	4.31	ppb
Molybdenum	98-1	4642.96	4950.99	4805.42	4799.79	3.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.16	105.46	107.07	106.56	0.90	ppb
Phosphorus	31-2	-13.47	-12.30	-14.46	-13.41		ppb
Potassium	39-2	2052.50	2066.34	2081.21	2066.69	0.69	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	191.59	200.61	198.38	196.86	2.39	ppb
Selenium	77-2	187.59	204.37	201.82	197.92	4.57	ppb
Selenium	78-2	189.41	202.00	200.06	197.15	3.44	ppb
Silicon	28-1	29.27	29.38	31.19	29.95	3.61	ppb
Silver	107-1	47.70	49.80	48.72	48.74	2.15	ppb
Silver	109-1	46.92	49.20	48.63	48.25	2.46	ppb
Sodium	23-2	2051.03	2069.77	2073.52	2064.77	0.58	ppb
Strontium	86-1	482.77	507.35	498.08	496.07	2.50	ppb
Strontium	88-1	493.75	507.04	496.53	499.11	1.41	ppb
Sulfur	34-1	-184.68	-247.31	-301.53	-244.50		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	183.69	189.04	183.30	185.34	1.73	ppb
Thallium	205-1	202.85	210.15	203.16	205.39	2.01	ppb
Tin	118-1	503.54	531.67	528.56	521.25	2.96	ppb
Titanium	47-1	4716.00	4868.00	4849.21	4811.07	1.72	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 16:38:00	DataFile Name :	018ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	475.73	506.55	488.48	490.25	3.16	ppb
Vanadium	51-2	94.40	94.35	95.04	94.60	0.41	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	199.44	201.61	200.35	200.46	0.54	ppb
Zirconium	90-1	451.82	489.85	469.51	470.39	4.05	ppb
Zirconium	91-1	457.81	489.64	476.31	474.59	3.37	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P7
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:02:10	DataFile Name :	022LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.94	18.27	19.80	19.34	4.78	ppb
Antimony	121-1	1.90	1.98	1.84	1.91	3.52	ppb
Arsenic	75-2	0.74	1.05	1.13	0.97	21.11	ppb
Barium	135-1	9.25	9.77	8.91	9.31	4.64	ppb
Barium	137-1	9.32	9.72	9.25	9.43	2.65	ppb
Beryllium	9-1	1.10	1.16	1.08	1.11	3.60	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.87	1.39	1.06	1.11	23.51	ppb
Cadmium	106-1	-0.18	0.17	-1.42	-0.48		ppb
Cadmium	111-1	0.82	1.00	0.80	0.88	12.38	ppb
Calcium	43-1	546.64	541.66	538.57	542.29	0.75	ppb
Calcium	44-1	541.51	547.67	539.25	542.81	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.73	1.77	1.87	1.79	4.12	ppb
Cobalt	59-2	1.07	1.02	1.07	1.05	2.54	ppb
Copper	63-2	1.98	2.08	1.95	2.00	3.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	56-2	54.39	54.36	52.53	53.76	1.99	ppb
Iron	57-2	52.60	56.60	63.10	57.43	9.23	ppb
Iron	54-2	57.06	58.00	56.18	57.08	1.60	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P7
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:02:10	DataFile Name :	022LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.84	0.81	0.78	0.81	3.94	ppb
Lead	207-1	0.83	0.79	0.78	0.80	3.15	ppb
Lead	208-1	0.84	0.81	0.81	0.82	2.24	ppb
Lithium	6-1				103		%
Magnesium	24-2	524.48	525.55	522.45	524.16	0.30	ppb
Manganese	55-2	0.94	0.94	0.89	0.92	2.92	ppb
Molybdenum	94-1	5.75	5.89	6.15	5.93	3.43	ppb
Molybdenum	95-1	5.00	4.93	4.99	4.98	0.81	ppb
Molybdenum	96-1	5.01	5.10	5.18	5.10	1.71	ppb
Molybdenum	97-1	4.97	4.94	4.90	4.94	0.71	ppb
Molybdenum	98-1	5.02	4.92	5.01	4.98	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.94	0.79	0.82	0.85	9.12	ppb
Phosphorus	31-2	23.68	13.83	13.93	17.15	32.99	ppb
Potassium	39-2	545.57	546.47	545.58	545.87	0.10	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	4.80	5.25	5.72	5.25	8.76	ppb
Selenium	77-2	3.79	3.50	7.10	4.80	41.71	ppb
Selenium	78-2	2.83	5.11	6.69	4.88	39.81	ppb
Silicon	28-1	0.18	0.18	0.13	0.16	18.91	ppb
Silver	107-1	0.95	1.04	1.01	1.00	4.22	ppb
Silver	109-1	0.97	1.00	0.97	0.98	1.49	ppb
Sodium	23-2	545.07	538.80	539.95	541.27	0.62	ppb
Strontium	86-1	1.05	1.03	1.06	1.05	1.65	ppb
Strontium	88-1	1.04	1.03	1.05	1.04	1.06	ppb
Sulfur	34-1	325.12	363.94	231.40	306.82	22.21	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.83	0.86	0.83	0.84	2.19	ppb
Thallium	205-1	0.85	0.83	0.86	0.85	1.39	ppb
Tin	118-1	4.84	4.96	4.76	4.85	2.05	ppb
Titanium	47-1	5.22	5.26	5.07	5.18	1.93	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P7
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:02:10	DataFile Name :	022LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.82	0.83	0.82	1.69	ppb
Vanadium	51-2	5.15	5.10	5.01	5.09	1.38	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	4.70	4.66	4.60	4.65	0.99	ppb
Zirconium	90-1	0.94	0.94	0.96	0.95	1.66	ppb
Zirconium	91-1	0.89	0.94	0.95	0.93	3.46	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:05:27	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.18	-0.72	-0.99	-0.96		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	35.09	ppb
Arsenic	75-2	-0.01	-0.01	0.00	0.00		ppb
Barium	135-1	-0.04	-0.02	0.02	-0.01		ppb
Barium	137-1	0.00	-0.02	-0.01	-0.01		ppb
Beryllium	9-1	-0.02	-0.01	0.00	-0.01		ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.13	-0.04	-0.04	-0.07		ppb
Cadmium	106-1	-1.34	-0.38	-1.49	-1.07		ppb
Cadmium	111-1	-0.10	-0.03	-0.12	-0.08		ppb
Calcium	43-1	-3.97	-4.33	-3.39	-3.90		ppb
Calcium	44-1	-7.64	-8.35	-7.72	-7.91		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.29	-0.26	-0.24	-0.26		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.07	-0.05	-0.07	-0.06		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	-2.00	-2.06	-2.04	-2.04		ppb
Iron	57-2	-1.38	-1.23	-0.67	-1.09		ppb
Iron	54-2	-2.36	-2.28	-2.83	-2.49		ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:05:27	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.05	-0.03	-0.04	-0.04		ppb
Lead	207-1	-0.03	-0.05	-0.03	-0.04		ppb
Lead	208-1	-0.04	-0.04	-0.04	-0.04		ppb
Lithium	6-1				105		%
Magnesium	24-2	0.13	-0.23	-0.20	-0.10		ppb
Manganese	55-2	-0.15	-0.11	-0.09	-0.12		ppb
Molybdenum	94-1	0.00	0.00	-0.02	-0.01		ppb
Molybdenum	95-1	-0.03	-0.02	-0.03	-0.03		ppb
Molybdenum	96-1	-0.01	-0.02	-0.02	-0.02		ppb
Molybdenum	97-1	-0.03	-0.04	-0.02	-0.03		ppb
Molybdenum	98-1	-0.02	-0.02	-0.01	-0.02		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.20	-0.18	-0.12	-0.17		ppb
Phosphorus	31-2	-22.65	-19.03	-14.10	-18.60		ppb
Potassium	39-2	-3.94	-6.23	-3.16	-4.44		ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	0.59	0.36	0.27	0.41	39.88	ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	-1.55	-1.89	1.34	-0.70		ppb
Silicon	28-1	-0.21	-0.22	-0.24	-0.22		ppb
Silver	107-1	0.01	0.02	0.01	0.01	44.36	ppb
Silver	109-1	0.01	0.01	0.01	0.01	32.38	ppb
Sodium	23-2	-0.39	-0.99	-1.17	-0.85		ppb
Strontium	86-1	-0.01	0.00	0.00	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	333.35	321.00	299.81	318.05	5.33	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	-0.01	-0.03	-0.01	-0.02		ppb
Titanium	47-1	-0.01	-0.02	0.01	-0.01		ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:05:27	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	71.86	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	-0.77	-0.80	-0.75	-0.77		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	42.90	ppb
Zirconium	91-1	0.01	0.02	0.00	0.01	95.92	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:08:48	DataFile Name :	024ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88401.71	89006.05	88707.11	88704.96	0.34	ppb
Antimony	121-1	0.99	1.01	1.05	1.02	2.87	ppb
Arsenic	75-2	0.40	0.38	0.32	0.37	11.36	ppb
Barium	135-1	1.23	1.35	1.33	1.30	4.70	ppb
Barium	137-1	1.35	1.28	1.31	1.31	2.48	ppb
Beryllium	9-1	0.32	0.26	0.27	0.28	10.76	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.38	5.87	6.14	6.47	12.47	ppb
Cadmium	106-1	-0.23	-1.93	-1.77	-1.31		ppb
Cadmium	111-1	0.18	0.13	0.13	0.15	21.27	ppb
Calcium	43-1	91758.71	94228.30	95329.38	93772.13	1.95	ppb
Calcium	44-1	90090.14	95072.11	94641.59	93267.95	2.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.08	19.04	19.06	19.06	0.10	ppb
Cobalt	59-2	1.13	1.14	1.17	1.15	1.70	ppb
Copper	63-2	7.69	7.61	7.73	7.67	0.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	99361.61	98231.02	99402.02	98998.22	0.67	ppb
Iron	57-2	99133.26	97578.44	98226.75	98312.81	0.79	ppb
Iron	54-2	99460.56	98928.76	99250.44	99213.25	0.27	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:08:48	DataFile Name :	024ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.92	4.80	4.58	4.77	3.60	ppb
Lead	207-1	4.49	4.33	4.07	4.30	5.00	ppb
Lead	208-1	4.68	4.48	4.29	4.48	4.35	ppb
Lithium	6-1				114		%
Magnesium	24-2	90884.14	88412.05	88625.98	89307.39	1.53	ppb
Manganese	55-2	7.66	7.34	7.53	7.51	2.10	ppb
Molybdenum	94-1	1551.62	1537.88	1556.49	1548.66	0.62	ppb
Molybdenum	95-1	1857.94	1871.82	1879.99	1869.91	0.60	ppb
Molybdenum	96-1	1824.88	1841.81	1841.51	1836.06	0.53	ppb
Molybdenum	97-1	1893.82	1900.42	1892.50	1895.58	0.22	ppb
Molybdenum	98-1	1863.08	1874.82	1855.95	1864.61	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.20	4.99	5.31	5.16	3.16	ppb
Phosphorus	31-2	92578.13	92596.27	92179.92	92451.44	0.25	ppb
Potassium	39-2	94237.96	94512.37	94162.45	94304.26	0.20	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				106		%
Scandium	45-2				98		%
Selenium	82-1	0.51	0.15	0.55	0.40	55.10	ppb
Selenium	77-2	0.61	0.25	0.26	0.37	55.48	ppb
Selenium	78-2	-0.02	-0.23	-0.44	-0.23		ppb
Silicon	28-1	0.75	1.02	1.10	0.96	18.97	ppb
Silver	107-1	0.10	0.06	0.07	0.08	27.28	ppb
Silver	109-1	0.09	0.06	0.06	0.07	29.23	ppb
Sodium	23-2	97115.92	94115.79	96559.82	95930.51	1.66	ppb
Strontium	86-1	32.28	32.60	32.85	32.57	0.88	ppb
Strontium	88-1	33.03	33.16	33.45	33.21	0.64	ppb
Sulfur	34-1	91156.01	93207.00	97390.30	93917.77	3.38	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.05	0.05	0.05	0.05	2.18	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	1.63	ppb
Tin	118-1	0.17	0.19	0.20	0.19	10.68	ppb
Titanium	47-1	1851.41	1881.96	1899.11	1877.49	1.29	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:08:48	DataFile Name :	024ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	5.44	ppb
Vanadium	51-2	0.17	0.16	0.18	0.17	6.02	ppb
Yttrium	89-1				103		%
Yttrium	89-2				99		%
Zinc	66-2	10.00	10.11	9.80	9.97	1.59	ppb
Zirconium	90-1	0.02	0.03	0.03	0.03	20.96	ppb
Zirconium	91-1	0.04	0.02	0.02	0.03	37.02	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:11:51	DataFile Name :	025ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89158.39	87898.61	92394.57	89817.19	2.58	ppb
Antimony	121-1	18.63	19.17	18.88	18.89	1.44	ppb
Arsenic	75-2	19.16	19.28	19.59	19.35	1.15	ppb
Barium	135-1	18.75	19.23	19.07	19.01	1.28	ppb
Barium	137-1	18.99	19.24	19.44	19.22	1.18	ppb
Beryllium	9-1	20.47	20.93	21.90	21.10	3.47	ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.34	27.36	25.24	26.31	4.04	ppb
Cadmium	106-1	20.28	21.24	20.29	20.60	2.69	ppb
Cadmium	111-1	18.26	18.60	18.34	18.40	0.98	ppb
Calcium	43-1	97236.61	95834.09	95842.92	96304.54	0.84	ppb
Calcium	44-1	96882.92	95750.47	99238.57	97290.65	1.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.58	38.06	37.96	38.20	0.87	ppb
Cobalt	59-2	20.46	20.01	20.20	20.23	1.13	ppb
Copper	63-2	27.06	26.35	27.17	26.86	1.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	100049.61	100010.90	102176.88	100745.79	1.23	ppb
Iron	57-2	101623.70	101948.52	102715.68	102095.97	0.55	ppb
Iron	54-2	102054.30	99783.96	101222.80	101020.36	1.14	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:11:51	DataFile Name :	025ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.20	22.75	22.49	22.81	1.59	ppb
Lead	207-1	22.05	21.17	21.16	21.46	2.38	ppb
Lead	208-1	22.23	21.86	21.78	21.96	1.11	ppb
Lithium	6-1				107		%
Magnesium	24-2	95049.28	95879.18	97212.98	96047.15	1.14	ppb
Manganese	55-2	27.24	26.81	27.33	27.13	1.03	ppb
Molybdenum	94-1	1632.16	1703.63	1682.11	1672.64	2.19	ppb
Molybdenum	95-1	1891.38	1923.83	1935.19	1916.80	1.19	ppb
Molybdenum	96-1	1883.80	1928.50	1887.91	1900.07	1.30	ppb
Molybdenum	97-1	1859.83	1994.05	1888.37	1914.08	3.69	ppb
Molybdenum	98-1	1886.13	1942.87	1924.46	1917.82	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.96	23.64	24.00	23.87	0.83	ppb
Phosphorus	31-2	95223.36	94174.78	94876.16	94758.10	0.56	ppb
Potassium	39-2	96824.27	97064.05	96616.92	96835.08	0.23	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				99		%
Selenium	82-1	19.20	20.18	19.20	19.53	2.91	ppb
Selenium	77-2	20.68	24.63	16.83	20.71	18.85	ppb
Selenium	78-2	17.94	21.59	18.08	19.20	10.75	ppb
Silicon	28-1	3.99	4.22	4.09	4.10	2.76	ppb
Silver	107-1	17.42	17.49	17.74	17.55	0.94	ppb
Silver	109-1	17.11	17.49	17.39	17.33	1.15	ppb
Sodium	23-2	96296.88	97928.45	98696.56	97640.63	1.26	ppb
Strontium	86-1	80.57	84.37	84.88	83.27	2.83	ppb
Strontium	88-1	82.83	84.07	85.84	84.25	1.80	ppb
Sulfur	34-1	95397.21	94004.21	94686.71	94696.04	0.74	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	18.61	18.62	18.51	18.58	0.32	ppb
Thallium	205-1	18.57	18.61	18.27	18.48	1.02	ppb
Tin	118-1	47.86	48.80	47.63	48.10	1.28	ppb
Titanium	47-1	1949.99	2000.36	1962.79	1971.05	1.33	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:11:51	DataFile Name :	025ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	44.67	45.28	44.18	44.71	1.24	ppb
Vanadium	51-2	18.84	19.26	19.43	19.18	1.59	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	32.22	31.44	31.09	31.58	1.83	ppb
Zirconium	90-1	47.22	49.24	48.58	48.35	2.14	ppb
Zirconium	91-1	47.24	49.00	48.69	48.31	1.94	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:14:56	DataFile Name :	026CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49376.55	50674.24	49595.34	49882.05	1.39	ppb
Antimony	121-1	503.44	510.36	516.15	509.98	1.25	ppb
Arsenic	75-2	485.45	488.30	484.27	486.01	0.43	ppb
Barium	135-1	2388.10	2415.66	2474.97	2426.24	1.83	ppb
Barium	137-1	2454.39	2443.24	2475.33	2457.65	0.66	ppb
Beryllium	9-1	526.17	536.58	517.54	526.76	1.81	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	477.05	478.62	489.81	481.83	1.44	ppb
Cadmium	106-1	473.75	475.50	490.72	479.99	1.94	ppb
Cadmium	111-1	455.72	462.78	474.27	464.26	2.02	ppb
Calcium	43-1	250611.51	262176.02	261526.86	258104.80	2.52	ppb
Calcium	44-1	252517.62	253860.63	260101.82	255493.36	1.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	493.27	487.02	488.07	489.45	0.68	ppb
Cobalt	59-2	479.22	472.27	469.86	473.78	1.03	ppb
Copper	63-2	4791.42	4668.29	4760.74	4740.15	1.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	56-2	129801.19	127959.63	130707.89	129489.57	1.08	ppb
Iron	57-2	129013.18	124657.54	127074.37	126915.03	1.72	ppb
Iron	54-2	129009.19	126804.59	125947.90	127253.90	1.24	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:14:56	DataFile Name :	026CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2440.90	2500.49	2448.52	2463.30	1.32	ppb
Lead	207-1	2442.53	2486.45	2455.02	2461.33	0.92	ppb
Lead	208-1	2426.16	2466.29	2475.68	2456.04	1.07	ppb
Lithium	6-1				109		%
Magnesium	24-2	248656.72	252127.36	253505.05	251429.71	0.99	ppb
Manganese	55-2	4815.84	4853.08	4830.88	4833.27	0.39	ppb
Molybdenum	94-1	5413.98	5447.49	5340.81	5400.76	1.01	ppb
Molybdenum	95-1	5511.64	5564.27	5358.18	5478.03	1.95	ppb
Molybdenum	96-1	5490.72	5460.54	5462.54	5471.26	0.31	ppb
Molybdenum	97-1	5370.45	5479.96	5472.39	5440.93	1.12	ppb
Molybdenum	98-1	5448.57	5533.11	5363.27	5448.32	1.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	465.29	469.22	473.86	469.46	0.91	ppb
Phosphorus	31-2	9822.36	9697.81	9607.04	9709.07	1.11	ppb
Potassium	39-2	126043.82	125631.52	125347.61	125674.32	0.28	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	82-1	475.28	477.22	476.27	476.26	0.20	ppb
Selenium	77-2	474.19	490.65	497.85	487.56	2.49	ppb
Selenium	78-2	479.71	487.36	470.38	479.15	1.78	ppb
Silicon	28-1	504.81	523.56	527.61	518.66	2.35	ppb
Silver	107-1	470.61	468.67	482.50	473.92	1.58	ppb
Silver	109-1	473.73	464.83	486.58	475.05	2.30	ppb
Sodium	23-2	257455.14	256444.61	258942.44	257614.06	0.49	ppb
Strontium	86-1	12437.06	12640.49	12077.34	12384.96	2.30	ppb
Strontium	88-1	12384.15	12510.65	12092.73	12329.18	1.74	ppb
Sulfur	34-1	9011.92	9460.92	9786.75	9419.86	4.13	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	499.13	498.61	500.97	499.57	0.25	ppb
Thallium	205-1	482.02	488.69	497.83	489.52	1.62	ppb
Tin	118-1	487.00	492.59	499.95	493.18	1.32	ppb
Titanium	47-1	5294.76	5416.96	5643.74	5451.82	3.25	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:14:56	DataFile Name :	026CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	498.96	502.86	513.45	505.09	1.48	ppb
Vanadium	51-2	496.62	492.92	496.27	495.27	0.41	ppb
Yttrium	89-1				105		%
Yttrium	89-2				100		%
Zinc	66-2	4731.06	4587.56	4744.07	4687.56	1.85	ppb
Zirconium	90-1	498.66	493.63	493.74	495.35	0.58	ppb
Zirconium	91-1	497.39	490.43	494.98	494.27	0.71	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:23:27	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.01	0.03	-0.16	-0.04		ppb
Antimony	121-1	0.09	0.10	0.12	0.10	15.78	ppb
Arsenic	75-2	0.01	-0.01	-0.02	0.00		ppb
Barium	135-1	-0.01	0.00	-0.01	-0.01		ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.03	0.00	0.02	0.02	74.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.04	-0.07	-0.06		ppb
Cadmium	106-1	-1.64	-2.67	-2.83	-2.38		ppb
Cadmium	111-1	-0.12	-0.20	-0.21	-0.18		ppb
Calcium	43-1	-2.38	1.43	-0.06	-0.34		ppb
Calcium	44-1	-6.24	-5.44	-5.73	-5.80		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.25	-0.26	-0.20	-0.24		ppb
Cobalt	59-2	0.00	-0.01	0.00	0.00		ppb
Copper	63-2	0.05	0.08	0.14	0.09	46.14	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				103		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	0.04	0.67	0.91	0.54	82.54	ppb
Iron	57-2	-1.25	-2.34	0.74	-0.95		ppb
Iron	54-2	0.41	-0.05	-0.23	0.04	750.91	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:23:27	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.02	0.02	0.03	31.63	ppb
Lead	207-1	0.01	0.03	0.01	0.02	69.52	ppb
Lead	208-1	0.03	0.02	0.02	0.02	5.30	ppb
Lithium	6-1				106		%
Magnesium	24-2	4.00	4.55	4.83	4.46	9.47	ppb
Manganese	55-2	-0.06	-0.04	-0.02	-0.04		ppb
Molybdenum	94-1	0.06	0.14	0.13	0.11	38.24	ppb
Molybdenum	95-1	0.04	0.09	0.07	0.07	39.03	ppb
Molybdenum	96-1	0.05	0.07	0.08	0.07	23.51	ppb
Molybdenum	97-1	0.03	0.06	0.07	0.05	44.69	ppb
Molybdenum	98-1	0.03	0.12	0.07	0.07	62.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.21	-0.16	-0.14	-0.17		ppb
Phosphorus	31-2	-18.16	-13.43	-19.45	-17.01		ppb
Potassium	39-2	-1.69	3.71	-3.44	-0.47		ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	-0.23	-1.05	0.59	-0.23		ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	0.53	-0.14	0.49	0.30	127.49	ppb
Silicon	28-1	-0.38	-0.17	-0.25	-0.27		ppb
Silver	107-1	0.01	0.01	0.01	0.01	24.58	ppb
Silver	109-1	0.01	0.01	0.01	0.01	17.76	ppb
Sodium	23-2	19.38	18.12	19.75	19.08	4.48	ppb
Strontium	86-1	0.07	0.14	0.15	0.12	35.98	ppb
Strontium	88-1	0.06	0.18	0.09	0.11	55.00	ppb
Sulfur	34-1	-130.25	169.49	-20.39	6.28	2412.93	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.02	0.02	0.01	0.01	29.94	ppb
Thallium	205-1	0.02	0.02	0.01	0.02	15.03	ppb
Tin	118-1	-0.02	0.01	0.00	-0.01		ppb
Titanium	47-1	0.07	0.08	0.09	0.08	9.48	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:23:27	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	7.01	ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	47.33	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	-0.67	-0.58	-0.66	-0.64		ppb
Zirconium	90-1	0.02	0.03	0.03	0.03	23.89	ppb
Zirconium	91-1	0.00	0.01	0.03	0.01	102.50	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:26:43	DataFile Name :	028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.18	20.01	20.71	20.30	1.80	ppb
Antimony	121-1	1.98	1.91	1.97	1.95	1.82	ppb
Arsenic	75-2	1.22	1.15	1.02	1.13	8.73	ppb
Barium	135-1	9.03	9.35	9.15	9.18	1.77	ppb
Barium	137-1	9.47	9.35	9.43	9.42	0.64	ppb
Beryllium	9-1	1.16	1.03	1.17	1.12	7.34	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.91	0.87	1.39	1.06	27.37	ppb
Cadmium	106-1	0.38	-0.73	-0.68	-0.34		ppb
Cadmium	111-1	0.95	0.82	0.87	0.88	7.56	ppb
Calcium	43-1	531.53	579.75	538.54	549.94	4.74	ppb
Calcium	44-1	547.03	553.61	557.11	552.58	0.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.72	1.84	1.74	1.77	3.50	ppb
Cobalt	59-2	1.07	1.05	1.07	1.06	1.08	ppb
Copper	63-2	2.04	2.14	2.01	2.06	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				103		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	55.50	55.09	54.98	55.19	0.50	ppb
Iron	57-2	56.58	58.48	56.03	57.03	2.25	ppb
Iron	54-2	58.15	57.25	56.66	57.35	1.31	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:26:43	DataFile Name :	028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.87	0.92	0.87	0.89	3.43	ppb
Lead	207-1	0.85	0.83	0.89	0.85	3.16	ppb
Lead	208-1	0.90	0.87	0.87	0.88	1.68	ppb
Lithium	6-1				105		%
Magnesium	24-2	530.54	525.97	528.59	528.37	0.43	ppb
Manganese	55-2	0.95	0.99	1.03	0.99	4.22	ppb
Molybdenum	94-1	6.16	6.11	6.34	6.20	1.93	ppb
Molybdenum	95-1	5.03	5.14	5.25	5.14	2.12	ppb
Molybdenum	96-1	5.09	5.22	5.24	5.18	1.58	ppb
Molybdenum	97-1	5.07	5.06	5.13	5.09	0.75	ppb
Molybdenum	98-1	4.93	5.13	5.15	5.07	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.94	0.88	0.81	0.88	7.47	ppb
Phosphorus	31-2	16.93	10.14	6.58	11.21	46.91	ppb
Potassium	39-2	543.35	536.70	543.53	541.19	0.72	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	4.66	4.88	5.73	5.09	11.06	ppb
Selenium	77-2	4.69	5.19	3.68	4.52	16.97	ppb
Selenium	78-2	3.69	4.18	4.91	4.26	14.44	ppb
Silicon	28-1	0.06	0.10	0.11	0.09	28.11	ppb
Silver	107-1	0.97	0.98	0.96	0.97	0.91	ppb
Silver	109-1	0.98	0.97	1.00	0.98	1.51	ppb
Sodium	23-2	556.10	558.74	557.44	557.42	0.24	ppb
Strontium	86-1	1.06	1.10	1.09	1.08	1.88	ppb
Strontium	88-1	1.08	1.07	1.08	1.08	0.70	ppb
Sulfur	34-1	173.97	199.69	164.56	179.41	10.14	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.86	0.86	0.86	0.86	0.44	ppb
Thallium	205-1	0.88	0.85	0.89	0.87	1.94	ppb
Tin	118-1	4.85	4.92	4.93	4.90	0.87	ppb
Titanium	47-1	5.37	5.49	5.17	5.34	3.05	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:26:43	DataFile Name :	028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.86	0.83	0.84	1.61	ppb
Vanadium	51-2	4.99	5.12	4.97	5.03	1.57	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	4.84	4.70	4.99	4.84	3.01	ppb
Zirconium	90-1	0.96	0.96	1.00	0.98	2.21	ppb
Zirconium	91-1	0.98	0.94	0.96	0.96	1.63	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BL	Instrumnet Name :	P7
Client Sample ID :	PB162950BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:31:39	DataFile Name :	029CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.63	-1.03	-1.22	-0.96		ppb
Antimony	121-1	0.02	0.02	0.02	0.02	6.15	ppb
Arsenic	75-2	-0.02	-0.01	-0.02	-0.01		ppb
Barium	135-1	-0.01	-0.02	-0.03	-0.02		ppb
Barium	137-1	-0.03	-0.02	-0.01	-0.02		ppb
Beryllium	9-1	0.02	-0.01	0.01	0.01	157.17	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	-0.13	0.02	-0.07		ppb
Cadmium	106-1	-2.62	-0.98	-2.21	-1.94		ppb
Cadmium	111-1	-0.19	-0.08	-0.17	-0.15		ppb
Calcium	43-1	-3.30	-4.41	-4.02	-3.91		ppb
Calcium	44-1	-7.91	-9.80	-8.74	-8.81		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.23	-0.27	-0.27	-0.26		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.02	-0.04	-0.03	-0.03		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	-1.99	-1.85	-1.63	-1.83		ppb
Iron	57-2	-0.56	-2.49	-1.97	-1.67		ppb
Iron	54-2	-2.16	-2.30	-1.29	-1.91		ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BL	Instrumnet Name :	P7
Client Sample ID :	PB162950BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:31:39	DataFile Name :	029CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	-0.01	-0.02	-0.01		ppb
Lead	207-1	-0.02	-0.03	-0.01	-0.02		ppb
Lead	208-1	-0.02	-0.02	-0.02	-0.02		ppb
Lithium	6-1				107		%
Magnesium	24-2	0.75	0.51	0.56	0.61	20.75	ppb
Manganese	55-2	-0.13	-0.09	-0.13	-0.12		ppb
Molybdenum	94-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	95-1	-0.02	-0.02	-0.02	-0.02		ppb
Molybdenum	96-1	-0.01	-0.01	-0.01	-0.01		ppb
Molybdenum	97-1	-0.04	-0.03	-0.03	-0.03		ppb
Molybdenum	98-1	-0.01	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.12	-0.12	-0.19	-0.14		ppb
Phosphorus	31-2	-14.80	-13.19	-15.45	-14.48		ppb
Potassium	39-2	-2.56	-2.93	-0.04	-1.85		ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	0.64	-0.45	-0.22	-0.01		ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	-0.01	0.18	1.65	0.60	150.24	ppb
Silicon	28-1	-0.36	-0.35	-0.31	-0.34		ppb
Silver	107-1	0.01	0.01	0.01	0.01	9.01	ppb
Silver	109-1	0.01	0.01	0.01	0.01	7.64	ppb
Sodium	23-2	9.61	8.71	7.66	8.66	11.24	ppb
Strontium	86-1	0.01	-0.01	-0.01	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	195.10	ppb
Sulfur	34-1	141.32	193.57	92.88	142.59	35.32	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.01	0.00	0.01	22.35	ppb
Thallium	205-1	0.01	0.01	0.02	0.01	51.74	ppb
Tin	118-1	-0.01	-0.02	-0.01	-0.01		ppb
Titanium	47-1	0.02	0.02	0.04	0.03	44.87	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BL	Instrumnet Name :	P7
Client Sample ID :	PB162950BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:31:39	DataFile Name :	029CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	47.98	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	-0.74	-0.57	-0.62	-0.64		ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	145.51	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	97.47	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BS	Instrumnet Name :	P7
Client Sample ID :	PB162950BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:34:55	DataFile Name :	030LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10557.86	10471.00	10533.62	10520.83	0.43	ppb
Antimony	121-1	496.69	500.62	498.71	498.67	0.39	ppb
Arsenic	75-2	507.27	505.87	505.83	506.32	0.16	ppb
Barium	135-1	2485.59	2470.91	2539.65	2498.71	1.45	ppb
Barium	137-1	2511.01	2490.20	2539.35	2513.52	0.98	ppb
Beryllium	9-1	537.10	542.54	540.00	539.88	0.50	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	514.95	514.41	519.43	516.26	0.53	ppb
Cadmium	106-1	505.66	499.06	506.13	503.62	0.78	ppb
Cadmium	111-1	499.48	495.23	506.23	500.31	1.11	ppb
Calcium	43-1	60471.75	61880.80	60326.63	60893.06	1.41	ppb
Calcium	44-1	54319.68	54901.28	54222.05	54481.00	0.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	515.58	513.68	518.94	516.07	0.52	ppb
Cobalt	59-2	524.40	523.74	509.95	519.36	1.57	ppb
Copper	63-2	5252.43	5285.27	5166.78	5234.83	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	27196.86	26969.53	27281.14	27149.18	0.59	ppb
Iron	57-2	28619.83	28660.61	28433.25	28571.23	0.42	ppb
Iron	54-2	28002.81	28211.80	28019.72	28078.11	0.41	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BS	Instrumnet Name :	P7
Client Sample ID :	PB162950BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:34:55	DataFile Name :	030LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2547.11	2555.24	2538.24	2546.86	0.33	ppb
Lead	207-1	2524.98	2523.30	2570.50	2539.59	1.05	ppb
Lead	208-1	2518.80	2537.62	2547.34	2534.59	0.57	ppb
Lithium	6-1				110		%
Magnesium	24-2	53268.67	52941.82	52800.49	53003.66	0.45	ppb
Manganese	55-2	5115.25	5110.12	5138.94	5121.43	0.30	ppb
Molybdenum	94-1	5549.72	5508.09	5682.08	5579.96	1.63	ppb
Molybdenum	95-1	5595.54	5514.71	5556.35	5555.53	0.73	ppb
Molybdenum	96-1	5569.95	5404.62	5644.73	5539.77	2.22	ppb
Molybdenum	97-1	5703.47	5474.83	5713.10	5630.47	2.40	ppb
Molybdenum	98-1	5567.96	5505.26	5582.15	5551.79	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.87	520.20	518.91	518.99	0.22	ppb
Phosphorus	31-2	10128.68	9997.99	10136.63	10087.77	0.77	ppb
Potassium	39-2	25957.55	25604.54	26200.69	25920.92	1.16	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				105		%
Scandium	45-2				97		%
Selenium	82-1	508.29	505.92	516.05	510.09	1.04	ppb
Selenium	77-2	506.93	528.82	527.99	521.25	2.38	ppb
Selenium	78-2	519.01	515.18	495.77	509.99	2.44	ppb
Silicon	28-1	536.38	521.90	498.28	518.85	3.71	ppb
Silver	107-1	517.48	515.46	520.36	517.77	0.48	ppb
Silver	109-1	509.20	505.54	517.24	510.66	1.17	ppb
Sodium	23-2	53411.23	54221.09	53642.81	53758.38	0.78	ppb
Strontium	86-1	12836.71	12639.10	13019.82	12831.88	1.48	ppb
Strontium	88-1	12839.99	12617.16	12912.79	12789.98	1.20	ppb
Sulfur	34-1	10355.25	10390.89	9611.18	10119.11	4.35	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	509.09	510.39	503.63	507.70	0.71	ppb
Thallium	205-1	510.77	512.33	501.35	508.15	1.17	ppb
Tin	118-1	520.86	507.48	515.48	514.61	1.31	ppb
Titanium	47-1	5603.55	5598.32	5479.59	5560.49	1.26	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BS	Instrumnet Name :	P7
Client Sample ID :	PB162950BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:34:55	DataFile Name :	030LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	501.94	499.30	479.93	493.72	2.43	ppb
Vanadium	51-2	511.34	517.37	511.51	513.41	0.67	ppb
Yttrium	89-1				104		%
Yttrium	89-2				99		%
Zinc	66-2	5158.73	5291.19	5337.40	5262.44	1.76	ppb
Zirconium	90-1	500.03	503.70	504.43	502.72	0.47	ppb
Zirconium	91-1	504.09	502.64	515.41	507.38	1.38	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-01	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:41:03	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33.62	36.00	32.51	34.04	5.24	ppb
Antimony	121-1	0.18	0.22	0.20	0.20	10.00	ppb
Arsenic	75-2	1.79	2.21	1.82	1.94	12.08	ppb
Barium	135-1	206.50	209.49	204.72	206.90	1.16	ppb
Barium	137-1	207.23	212.23	205.95	208.47	1.59	ppb
Beryllium	9-1	0.05	0.04	0.05	0.04	14.50	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	0.02	0.04	-0.01		ppb
Cadmium	106-1	-1.95	-2.50	-1.28	-1.91		ppb
Cadmium	111-1	-0.12	-0.18	-0.09	-0.13		ppb
Calcium	43-1	35440.78	35274.08	35184.24	35299.70	0.37	ppb
Calcium	44-1	33329.35	32732.41	33146.85	33069.54	0.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.99	3.43	2.82	3.08	10.22	ppb
Cobalt	59-2	1.59	1.76	1.44	1.60	9.95	ppb
Copper	63-2	1.15	1.18	1.03	1.12	7.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	56-2	4196.25	4567.75	4004.80	4256.26	6.73	ppb
Iron	57-2	4488.47	5037.75	4393.93	4640.05	7.49	ppb
Iron	54-2	4385.72	4916.91	4268.46	4523.69	7.64	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-01	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:41:03	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.44	0.48	0.44	0.45	6.11	ppb
Lead	207-1	0.39	0.41	0.42	0.40	3.27	ppb
Lead	208-1	0.44	0.43	0.43	0.43	1.87	ppb
Lithium	6-1				110		%
Magnesium	24-2	11329.16	12816.47	11015.69	11720.44	8.21	ppb
Manganese	55-2	6549.37	7496.15	6403.92	6816.48	8.70	ppb
Molybdenum	94-1	0.59	0.58	0.61	0.59	3.29	ppb
Molybdenum	95-1	0.65	0.55	0.65	0.62	9.03	ppb
Molybdenum	96-1	0.47	0.49	0.50	0.48	3.55	ppb
Molybdenum	97-1	0.44	0.40	0.44	0.43	5.51	ppb
Molybdenum	98-1	0.43	0.46	0.44	0.45	3.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.63	2.74	2.48	2.62	5.06	ppb
Phosphorus	31-2	56.31	57.58	50.96	54.95	6.39	ppb
Potassium	39-2	5728.01	6462.33	5540.37	5910.23	8.24	ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				106		%
Scandium	45-2				94		%
Selenium	82-1	0.40	0.70	0.86	0.65	36.00	ppb
Selenium	77-2	-0.13	-0.13	0.26	0.00	19496.48	ppb
Selenium	78-2	-0.83	0.25	0.33	-0.09		ppb
Silicon	28-1	250.00	244.42	246.89	247.10	1.13	ppb
Silver	107-1	0.08	0.08	0.09	0.08	7.05	ppb
Silver	109-1	0.10	0.08	0.08	0.08	12.10	ppb
Sodium	23-2	169351.41	189557.14	166304.73	175071.09	7.22	ppb
Strontium	86-1	247.82	248.47	249.83	248.71	0.41	ppb
Strontium	88-1	250.59	250.02	246.45	249.02	0.90	ppb
Sulfur	34-1	530.54	308.39	406.62	415.19	26.81	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.03	0.03	0.03	0.03	5.04	ppb
Thallium	205-1	0.04	0.03	0.02	0.03	34.19	ppb
Tin	118-1	0.59	0.62	0.58	0.60	3.38	ppb
Titanium	47-1	2.99	0.76	0.97	1.57	78.35	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-01	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:41:03	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.02	0.03	15.82	ppb
Vanadium	51-2	0.42	0.47	0.40	0.43	8.76	ppb
Yttrium	89-1				100		%
Yttrium	89-2				95		%
Zinc	66-2	12.37	14.57	11.90	12.95	11.02	ppb
Zirconium	90-1	0.13	0.13	0.13	0.13	1.90	ppb
Zirconium	91-1	0.13	0.15	0.15	0.14	9.24	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-02	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124-FD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:44:15	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28.34	30.98	28.51	29.28	5.05	ppb
Antimony	121-1	0.10	0.10	0.11	0.10	6.18	ppb
Arsenic	75-2	1.68	1.84	1.65	1.72	5.97	ppb
Barium	135-1	188.28	192.07	191.84	190.73	1.11	ppb
Barium	137-1	190.39	195.23	192.95	192.86	1.26	ppb
Beryllium	9-1	0.04	0.04	0.01	0.03	51.75	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	-0.01	0.01	-0.01		ppb
Cadmium	106-1	-1.57	-1.21	-1.75	-1.51		ppb
Cadmium	111-1	-0.12	-0.09	-0.14	-0.12		ppb
Calcium	43-1	32242.28	33442.19	33382.86	33022.44	2.05	ppb
Calcium	44-1	30648.14	31644.14	31831.42	31374.57	2.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.15	0.18	0.16	0.16	10.36	ppb
Cobalt	59-2	1.43	1.41	1.44	1.43	1.42	ppb
Copper	63-2	0.48	0.38	0.44	0.43	11.55	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				104		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	3630.25	3715.33	3773.72	3706.43	1.95	ppb
Iron	57-2	4012.26	4132.06	4090.20	4078.17	1.49	ppb
Iron	54-2	3971.26	3945.39	3985.42	3967.35	0.51	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-02	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124-FD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:44:15	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.25	0.27	0.28	0.27	5.60	ppb
Lead	207-1	0.19	0.23	0.22	0.21	9.13	ppb
Lead	208-1	0.22	0.24	0.24	0.24	4.58	ppb
Lithium	6-1				112		%
Magnesium	24-2	10550.47	10497.68	10435.91	10494.69	0.55	ppb
Manganese	55-2	6053.50	6074.01	6077.85	6068.45	0.22	ppb
Molybdenum	94-1	0.49	0.47	0.42	0.46	8.08	ppb
Molybdenum	95-1	0.48	0.46	0.45	0.46	2.54	ppb
Molybdenum	96-1	0.37	0.36	0.34	0.36	4.52	ppb
Molybdenum	97-1	0.33	0.33	0.27	0.31	10.21	ppb
Molybdenum	98-1	0.30	0.32	0.31	0.31	3.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.97	0.98	1.05	1.00	4.23	ppb
Phosphorus	31-2	41.99	40.56	46.44	43.00	7.14	ppb
Potassium	39-2	5265.83	5265.71	5301.85	5277.80	0.39	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				97		%
Selenium	82-1	0.64	0.53	0.37	0.52	26.60	ppb
Selenium	77-2	-0.13	-0.13	0.26	0.00	13126.74	ppb
Selenium	78-2	-0.89	0.38	-0.10	-0.20		ppb
Silicon	28-1	227.21	238.53	237.51	234.42	2.67	ppb
Silver	107-1	0.06	0.06	0.07	0.06	6.77	ppb
Silver	109-1	0.06	0.06	0.06	0.06	4.64	ppb
Sodium	23-2	157510.03	155356.99	158369.60	157078.87	0.99	ppb
Strontium	86-1	227.47	223.18	226.88	225.85	1.03	ppb
Strontium	88-1	234.19	224.60	232.91	230.57	2.26	ppb
Sulfur	34-1	359.52	536.00	506.41	467.31	20.22	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.01	0.00	0.01	84.47	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	9.21	ppb
Tin	118-1	0.11	0.08	0.13	0.11	21.36	ppb
Titanium	47-1	0.77	0.69	0.68	0.71	6.95	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-02	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124-FD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:44:15	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	9.23	ppb
Vanadium	51-2	0.36	0.40	0.34	0.37	8.73	ppb
Yttrium	89-1				102		%
Yttrium	89-2				98		%
Zinc	66-2	5.30	5.66	5.41	5.46	3.35	ppb
Zirconium	90-1	0.12	0.10	0.10	0.11	9.20	ppb
Zirconium	91-1	0.09	0.11	0.10	0.10	10.38	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:47:26	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23.09	22.42	21.03	22.18	4.74	ppb
Antimony	121-1	0.08	0.08	0.09	0.08	2.60	ppb
Arsenic	75-2	1.65	1.39	1.32	1.46	11.72	ppb
Barium	135-1	233.50	238.78	236.42	236.23	1.12	ppb
Barium	137-1	238.85	239.72	237.91	238.83	0.38	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	2.55	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	-0.01	-0.04	-0.02		ppb
Cadmium	106-1	0.26	-0.15	-0.29	-0.06		ppb
Cadmium	111-1	0.02	-0.01	-0.03	0.00		ppb
Calcium	43-1	39776.69	40431.10	40047.44	40085.08	0.82	ppb
Calcium	44-1	36783.67	37308.92	37926.53	37339.71	1.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.73	0.59	0.62	0.65	11.52	ppb
Cobalt	59-2	1.14	1.22	1.22	1.19	3.93	ppb
Copper	63-2	1.36	1.27	1.32	1.32	3.63	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				103		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	4373.34	4418.88	4357.54	4383.25	0.73	ppb
Iron	57-2	4788.71	4798.60	4729.14	4772.15	0.79	ppb
Iron	54-2	4706.96	4605.44	4614.39	4642.26	1.21	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:47:26	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.45	0.47	0.46	0.46	2.53	ppb
Lead	207-1	0.43	0.49	0.43	0.45	7.56	ppb
Lead	208-1	0.44	0.45	0.45	0.45	0.88	ppb
Lithium	6-1				115		%
Magnesium	24-2	12608.35	12972.01	12681.56	12753.97	1.51	ppb
Manganese	55-2	8544.99	8323.28	8346.28	8404.85	1.45	ppb
Molybdenum	94-1	0.49	0.59	0.53	0.53	9.48	ppb
Molybdenum	95-1	0.57	0.70	0.59	0.62	11.03	ppb
Molybdenum	96-1	0.46	0.53	0.47	0.49	8.42	ppb
Molybdenum	97-1	0.41	0.41	0.36	0.39	6.71	ppb
Molybdenum	98-1	0.42	0.44	0.44	0.43	3.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.21	1.25	1.35	1.27	5.61	ppb
Phosphorus	31-2	38.85	41.23	32.10	37.40	12.66	ppb
Potassium	39-2	6124.00	6028.66	5999.91	6050.86	1.07	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				104		%
Scandium	45-2				97		%
Selenium	82-1	0.15	-0.10	1.25	0.44	164.93	ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	0.13	-0.12	1.24	0.42	172.36	ppb
Silicon	28-1	245.19	249.50	251.09	248.59	1.23	ppb
Silver	107-1	0.05	0.06	0.06	0.06	1.67	ppb
Silver	109-1	0.05	0.06	0.07	0.06	12.83	ppb
Sodium	23-2	195105.61	195879.22	191398.89	194127.91	1.23	ppb
Strontium	86-1	272.44	284.66	277.10	278.07	2.22	ppb
Strontium	88-1	278.08	289.80	281.88	283.25	2.11	ppb
Sulfur	34-1	907.24	1033.07	996.07	978.79	6.61	ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	0.00	0.00	0.00	0.00	32.73	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	22.81	ppb
Tin	118-1	1.10	1.10	1.06	1.09	2.04	ppb
Titanium	47-1	0.51	0.53	0.52	0.52	1.90	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:47:26	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.02	0.02	18.28	ppb
Vanadium	51-2	0.32	0.35	0.32	0.33	5.01	ppb
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	31.56	31.85	30.74	31.39	1.83	ppb
Zirconium	90-1	0.08	0.09	0.11	0.09	16.21	ppb
Zirconium	91-1	0.08	0.08	0.08	0.08	4.06	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-02	Instrumnet Name :	P7
Client Sample ID :	931-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:50:39	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	198.71	195.75	198.58	197.68	0.85	ppb
Antimony	121-1	0.20	0.23	0.22	0.22	5.18	ppb
Arsenic	75-2	7.81	7.56	7.57	7.65	1.88	ppb
Barium	135-1	108.61	108.67	105.90	107.73	1.47	ppb
Barium	137-1	109.59	110.57	107.91	109.36	1.23	ppb
Beryllium	9-1	0.07	0.09	0.08	0.08	13.51	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.07	0.04	0.05	34.37	ppb
Cadmium	106-1	0.53	0.27	-1.16	-0.12		ppb
Cadmium	111-1	0.07	0.08	-0.04	0.04	175.43	ppb
Calcium	43-1	10830.02	10648.32	10604.78	10694.37	1.12	ppb
Calcium	44-1	10282.84	10080.89	10003.22	10122.32	1.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.44	3.68	3.50	3.54	3.49	ppb
Cobalt	59-2	6.27	6.20	6.25	6.24	0.60	ppb
Copper	63-2	3.01	3.06	2.94	3.00	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				108		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	10523.01	10878.52	10636.52	10679.35	1.70	ppb
Iron	57-2	11177.20	11129.80	10965.03	11090.68	1.00	ppb
Iron	54-2	11186.29	11370.41	11094.90	11217.20	1.25	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-02	Instrumnet Name :	P7
Client Sample ID :	931-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:50:39	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.97	2.12	1.99	2.03	4.08	ppb
Lead	207-1	1.85	1.94	1.92	1.90	2.50	ppb
Lead	208-1	1.91	2.03	1.92	1.95	3.36	ppb
Lithium	6-1				120		%
Magnesium	24-2	3512.05	3533.04	3500.45	3515.18	0.47	ppb
Manganese	55-2	1414.37	1472.52	1437.97	1441.62	2.03	ppb
Molybdenum	94-1	1.42	1.32	1.40	1.38	3.62	ppb
Molybdenum	95-1	0.64	0.60	0.63	0.62	3.78	ppb
Molybdenum	96-1	0.73	0.83	0.77	0.78	5.96	ppb
Molybdenum	97-1	0.63	0.60	0.58	0.60	4.59	ppb
Molybdenum	98-1	0.61	0.59	0.57	0.59	3.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.50	10.80	10.53	10.61	1.56	ppb
Phosphorus	31-2	241.14	196.90	213.28	217.11	10.30	ppb
Potassium	39-2	2806.35	2829.85	2818.28	2818.16	0.42	ppb
Rhodium	103-1				104		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				99		%
Selenium	82-1	0.40	0.63	0.76	0.60	30.86	ppb
Selenium	77-2	1.35	0.61	0.25	0.74	76.71	ppb
Selenium	78-2	0.09	-0.51	-0.54	-0.32		ppb
Silicon	28-1	244.83	243.93	249.82	246.19	1.29	ppb
Silver	107-1	0.02	0.03	0.04	0.03	23.67	ppb
Silver	109-1	0.02	0.03	0.02	0.02	9.01	ppb
Sodium	23-2	51769.89	52582.41	51897.75	52083.35	0.84	ppb
Strontium	86-1	68.01	66.59	66.89	67.16	1.12	ppb
Strontium	88-1	67.09	65.72	66.17	66.33	1.06	ppb
Sulfur	34-1	1320.80	1256.38	1167.00	1248.06	6.19	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.02	0.01	0.01	49.29	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	11.88	ppb
Tin	118-1	0.64	0.73	0.66	0.68	6.74	ppb
Titanium	47-1	3.01	3.09	2.87	2.99	3.64	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-02	Instrumnet Name :	P7
Client Sample ID :	931-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:50:39	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.08	0.08	0.08	0.08	3.30	ppb
Vanadium	51-2	2.19	2.20	2.21	2.20	0.50	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	32.21	31.45	31.46	31.71	1.38	ppb
Zirconium	90-1	0.47	0.44	0.46	0.46	3.48	ppb
Zirconium	91-1	0.49	0.46	0.42	0.46	7.78	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:53:52	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	151.73	150.66	150.73	151.04	0.40	ppb
Antimony	121-1	0.10	0.10	0.10	0.10	0.89	ppb
Arsenic	75-2	4.98	4.50	4.52	4.67	5.82	ppb
Barium	135-1	272.93	266.22	264.94	268.03	1.60	ppb
Barium	137-1	277.72	273.13	268.96	273.27	1.60	ppb
Beryllium	9-1	0.04	0.04	0.02	0.03	44.77	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	-0.04	0.18	0.08	143.22	ppb
Cadmium	106-1	0.83	0.31	-1.28	-0.05		ppb
Cadmium	111-1	0.09	0.05	-0.08	0.02	437.79	ppb
Calcium	43-1	38138.04	37778.54	38045.28	37987.29	0.49	ppb
Calcium	44-1	35547.25	35586.79	35284.00	35472.68	0.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.76	0.72	0.76	0.75	3.13	ppb
Cobalt	59-2	1.65	1.55	1.51	1.57	4.66	ppb
Copper	63-2	2.28	2.27	2.25	2.27	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	23524.08	23346.70	23599.45	23490.08	0.55	ppb
Iron	57-2	24692.85	24715.89	24785.31	24731.35	0.19	ppb
Iron	54-2	23959.00	23201.41	23511.40	23557.27	1.62	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:53:52	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.04	2.23	2.17	2.15	4.62	ppb
Lead	207-1	2.01	2.00	2.01	2.01	0.42	ppb
Lead	208-1	2.01	2.09	2.05	2.05	2.15	ppb
Lithium	6-1				116		%
Magnesium	24-2	11651.17	11515.44	11614.70	11593.77	0.61	ppb
Manganese	55-2	8045.06	8077.49	7958.33	8026.96	0.77	ppb
Molybdenum	94-1	0.86	0.85	0.94	0.88	5.64	ppb
Molybdenum	95-1	0.85	0.79	0.91	0.85	7.10	ppb
Molybdenum	96-1	1.06	0.88	0.96	0.96	9.21	ppb
Molybdenum	97-1	0.93	0.66	0.69	0.76	19.58	ppb
Molybdenum	98-1	0.92	0.71	0.76	0.80	13.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.50	3.53	3.44	3.49	1.31	ppb
Phosphorus	31-2	160.10	155.39	139.22	151.57	7.22	ppb
Potassium	39-2	5601.36	5572.17	5549.38	5574.30	0.47	ppb
Rhodium	103-1				101		%
Rhodium	103-2				97		%
Scandium	45-1				106		%
Scandium	45-2				99		%
Selenium	82-1	0.81	0.00	0.92	0.58	87.12	ppb
Selenium	77-2	0.61	-0.13	0.25	0.25	149.53	ppb
Selenium	78-2	-0.60	-1.29	0.08	-0.60		ppb
Silicon	28-1	280.81	282.37	282.26	281.81	0.31	ppb
Silver	107-1	1.50	1.53	1.50	1.51	1.04	ppb
Silver	109-1	1.49	1.46	1.46	1.47	1.28	ppb
Sodium	23-2	168848.59	167214.10	167498.94	167853.88	0.52	ppb
Strontium	86-1	280.65	282.67	283.79	282.37	0.56	ppb
Strontium	88-1	285.99	279.97	286.17	284.04	1.24	ppb
Sulfur	34-1	797.95	825.84	786.57	803.45	2.51	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.00	0.00	0.01	66.97	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	12.23	ppb
Tin	118-1	1.92	2.09	1.92	1.97	4.96	ppb
Titanium	47-1	3.77	3.48	3.70	3.65	4.07	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:53:52	DataFile Name :	035SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.04	0.04	0.04	0.04	9.22	ppb
Vanadium	51-2	8.14	7.92	7.97	8.01	1.43	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	43.23	41.75	42.97	42.65	1.86	ppb
Zirconium	90-1	0.15	0.14	0.16	0.15	7.89	ppb
Zirconium	91-1	0.17	0.13	0.14	0.15	11.88	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3451-01	Instrumnet Name :	P7
Client Sample ID :	921-J-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:57:04	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	151.02	151.57	150.65	151.08	0.30	ppb
Antimony	121-1	0.24	0.23	0.22	0.23	4.44	ppb
Arsenic	75-2	2.16	2.13	2.05	2.11	2.57	ppb
Barium	135-1	48.31	48.23	48.30	48.28	0.09	ppb
Barium	137-1	48.76	48.45	48.88	48.70	0.46	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	37.97	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.01	0.05	-0.01		ppb
Cadmium	106-1	-1.12	0.11	-0.03	-0.35		ppb
Cadmium	111-1	-0.07	0.02	0.00	-0.02		ppb
Calcium	43-1	15677.40	15737.66	15681.52	15698.86	0.21	ppb
Calcium	44-1	14491.11	14876.34	14620.30	14662.58	1.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.21	0.21	0.28	0.23	17.79	ppb
Cobalt	59-2	0.45	0.47	0.47	0.46	2.62	ppb
Copper	63-2	2.71	2.76	2.69	2.72	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				103		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	3086.82	3092.11	3062.43	3080.46	0.51	ppb
Iron	57-2	3263.04	3277.87	3267.77	3269.56	0.23	ppb
Iron	54-2	3274.27	3241.50	3233.80	3249.86	0.66	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3451-01	Instrumnet Name :	P7
Client Sample ID :	921-J-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:57:04	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.59	2.61	2.58	2.59	0.64	ppb
Lead	207-1	2.56	2.49	2.51	2.52	1.38	ppb
Lead	208-1	2.51	2.53	2.51	2.52	0.58	ppb
Lithium	6-1				115		%
Magnesium	24-2	2493.18	2518.71	2481.76	2497.88	0.76	ppb
Manganese	55-2	353.61	353.90	349.23	352.25	0.74	ppb
Molybdenum	94-1	0.54	0.53	0.66	0.58	12.20	ppb
Molybdenum	95-1	0.40	0.48	0.45	0.44	8.92	ppb
Molybdenum	96-1	0.48	0.46	0.49	0.48	3.82	ppb
Molybdenum	97-1	0.47	0.42	0.45	0.44	5.70	ppb
Molybdenum	98-1	0.43	0.44	0.48	0.45	6.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.65	0.65	0.70	0.67	3.86	ppb
Phosphorus	31-2	86.37	91.56	76.39	84.77	9.09	ppb
Potassium	39-2	2534.93	2551.75	2538.86	2541.85	0.35	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				104		%
Scandium	45-2				97		%
Selenium	82-1	-0.35	-0.18	0.72	0.06	930.38	ppb
Selenium	77-2	0.25	-0.13	-0.13	0.00		ppb
Selenium	78-2	-0.35	-1.10	-2.17	-1.21		ppb
Silicon	28-1	108.59	109.19	109.78	109.18	0.54	ppb
Silver	107-1	0.03	0.04	0.03	0.03	11.29	ppb
Silver	109-1	0.03	0.03	0.03	0.03	3.93	ppb
Sodium	23-2	51505.75	51423.67	50926.25	51285.22	0.61	ppb
Strontium	86-1	103.56	107.45	104.32	105.11	1.96	ppb
Strontium	88-1	105.98	108.35	106.13	106.82	1.24	ppb
Sulfur	34-1	2764.12	2840.41	2715.44	2773.33	2.27	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.00	0.00	0.00	0.00	49.95	ppb
Thallium	205-1	0.01	0.00	0.00	0.00	52.66	ppb
Tin	118-1	0.30	0.30	0.33	0.31	6.82	ppb
Titanium	47-1	2.82	2.86	2.87	2.85	0.93	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3451-01	Instrumnet Name :	P7
Client Sample ID :	921-J-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:57:04	DataFile Name :	036SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.04	0.04	0.04	13.14	ppb
Vanadium	51-2	1.66	1.61	1.56	1.61	3.06	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	7.89	8.01	7.56	7.82	2.99	ppb
Zirconium	90-1	0.09	0.09	0.10	0.09	4.94	ppb
Zirconium	91-1	0.11	0.10	0.08	0.10	16.20	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3467-01	Instrumnet Name :	P7
Client Sample ID :	919-J-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:00:16	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1158.14	1147.18	1138.01	1147.78	0.88	ppb
Antimony	121-1	0.45	0.53	0.44	0.47	10.53	ppb
Arsenic	75-2	5.60	5.57	5.49	5.56	1.02	ppb
Barium	135-1	69.58	82.75	71.33	74.55	9.59	ppb
Barium	137-1	70.70	84.71	72.68	76.03	9.97	ppb
Beryllium	9-1	0.12	0.12	0.10	0.11	11.61	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.42	0.48	0.29	0.40	24.95	ppb
Cadmium	106-1	-1.04	0.22	-1.73	-0.85		ppb
Cadmium	111-1	0.17	0.32	0.16	0.22	41.97	ppb
Calcium	43-1	15980.29	18698.21	16066.97	16915.16	9.13	ppb
Calcium	44-1	14926.28	17422.68	14959.52	15769.50	9.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.52	3.58	3.44	3.52	1.99	ppb
Cobalt	59-2	2.12	2.26	2.09	2.15	4.15	ppb
Copper	63-2	22.75	23.03	22.22	22.66	1.82	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				104		%
Holmium	165-2				108		%
Indium	115-1				100		%
Indium	115-2				102		%
Iron	56-2	10561.77	10340.46	10404.35	10435.53	1.09	ppb
Iron	57-2	10900.62	10956.47	10765.34	10874.14	0.90	ppb
Iron	54-2	10951.37	11055.73	10869.79	10958.96	0.85	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3467-01	Instrumnet Name :	P7
Client Sample ID :	919-J-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:00:16	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	16.38	19.23	16.29	17.30	9.68	ppb
Lead	207-1	15.50	17.99	15.43	16.31	8.92	ppb
Lead	208-1	15.83	18.61	15.76	16.73	9.72	ppb
Lithium	6-1				114		%
Magnesium	24-2	2791.63	2770.71	2758.86	2773.73	0.60	ppb
Manganese	55-2	530.79	526.64	520.85	526.09	0.95	ppb
Molybdenum	94-1	1.26	1.42	1.22	1.30	8.09	ppb
Molybdenum	95-1	0.48	0.61	0.48	0.53	14.32	ppb
Molybdenum	96-1	0.67	0.75	0.63	0.68	9.30	ppb
Molybdenum	97-1	0.49	0.59	0.50	0.53	10.83	ppb
Molybdenum	98-1	0.50	0.58	0.55	0.54	7.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.27	3.40	3.11	3.26	4.44	ppb
Phosphorus	31-2	311.58	303.15	312.43	309.05	1.66	ppb
Potassium	39-2	2537.24	2552.60	2498.73	2529.52	1.10	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				100		%
Selenium	82-1	0.37	0.02	0.27	0.22	82.34	ppb
Selenium	77-2	0.60	1.68	0.61	0.96	64.44	ppb
Selenium	78-2	-0.66	-1.27	-0.21	-0.71		ppb
Silicon	28-1	166.14	196.62	170.39	177.72	9.29	ppb
Silver	107-1	0.21	0.24	0.22	0.23	6.57	ppb
Silver	109-1	0.21	0.27	0.23	0.23	11.59	ppb
Sodium	23-2	48264.54	48636.11	46995.79	47965.48	1.79	ppb
Strontium	86-1	104.73	124.92	106.15	111.93	10.07	ppb
Strontium	88-1	106.43	125.82	107.90	113.39	9.52	ppb
Sulfur	34-1	2298.20	3926.90	2368.20	2864.43	32.15	ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	0.03	0.04	0.04	0.03	12.81	ppb
Thallium	205-1	0.04	0.04	0.03	0.04	15.02	ppb
Tin	118-1	0.45	0.57	0.50	0.51	12.28	ppb
Titanium	47-1	25.93	30.91	26.59	27.81	9.73	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3467-01	Instrumnet Name :	P7
Client Sample ID :	919-J-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:00:16	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.13	0.15	0.13	0.13	9.42	ppb
Vanadium	51-2	4.95	4.89	4.71	4.85	2.53	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	139.91	142.59	140.87	141.12	0.96	ppb
Zirconium	90-1	0.41	0.52	0.45	0.46	11.86	ppb
Zirconium	91-1	0.45	0.53	0.40	0.46	13.91	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:03:30	DataFile Name :	038CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50807.93	50618.84	49604.93	50343.90	1.28	ppb
Antimony	121-1	495.08	499.16	506.29	500.18	1.13	ppb
Arsenic	75-2	478.83	486.86	474.63	480.11	1.29	ppb
Barium	135-1	2423.75	2356.33	2464.75	2414.94	2.27	ppb
Barium	137-1	2413.85	2365.23	2414.55	2397.88	1.18	ppb
Beryllium	9-1	520.39	519.95	519.52	519.95	0.08	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	468.36	476.48	480.54	475.12	1.30	ppb
Cadmium	106-1	468.75	479.23	475.10	474.36	1.11	ppb
Cadmium	111-1	456.24	464.49	463.10	461.27	0.96	ppb
Calcium	43-1	253156.73	255856.14	256547.56	255186.81	0.70	ppb
Calcium	44-1	251043.09	254417.79	257030.50	254163.79	1.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	483.49	490.45	483.22	485.72	0.84	ppb
Cobalt	59-2	471.33	477.72	464.30	471.12	1.42	ppb
Copper	63-2	4737.08	4752.82	4727.81	4739.24	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	56-2	126600.76	129897.98	127568.41	128022.38	1.32	ppb
Iron	57-2	128168.73	126603.03	122942.07	125904.61	2.13	ppb
Iron	54-2	127142.83	130493.11	127299.19	128311.71	1.47	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:03:30	DataFile Name :	038CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2424.64	2415.06	2486.02	2441.91	1.58	ppb
Lead	207-1	2421.63	2405.71	2371.22	2399.52	1.07	ppb
Lead	208-1	2454.28	2412.74	2443.04	2436.69	0.88	ppb
Lithium	6-1				113		%
Magnesium	24-2	256892.84	251851.87	250635.06	253126.59	1.31	ppb
Manganese	55-2	4731.18	4873.05	4772.20	4792.14	1.52	ppb
Molybdenum	94-1	5275.86	5242.25	5370.83	5296.31	1.26	ppb
Molybdenum	95-1	5296.64	5314.71	5433.25	5348.20	1.39	ppb
Molybdenum	96-1	5258.19	5452.45	5397.08	5369.24	1.86	ppb
Molybdenum	97-1	5353.93	5460.99	5486.08	5433.67	1.29	ppb
Molybdenum	98-1	5255.50	5387.90	5457.91	5367.10	1.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	472.71	468.55	462.01	467.76	1.15	ppb
Phosphorus	31-2	9701.85	9761.21	9783.25	9748.77	0.43	ppb
Potassium	39-2	127544.54	126156.13	125813.53	126504.73	0.72	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				104		%
Scandium	45-2				98		%
Selenium	82-1	463.90	463.13	479.35	468.79	1.95	ppb
Selenium	77-2	464.06	457.30	465.59	462.32	0.95	ppb
Selenium	78-2	470.58	469.41	463.31	467.77	0.83	ppb
Silicon	28-1	494.81	515.37	517.52	509.23	2.46	ppb
Silver	107-1	463.16	467.60	476.37	469.04	1.43	ppb
Silver	109-1	471.42	462.75	458.63	464.27	1.41	ppb
Sodium	23-2	259951.56	258588.86	256162.43	258234.28	0.74	ppb
Strontium	86-1	11919.25	12203.68	12112.69	12078.54	1.20	ppb
Strontium	88-1	11911.17	12132.07	12452.55	12165.26	2.24	ppb
Sulfur	34-1	9865.91	10120.29	10175.08	10053.76	1.64	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	491.65	489.98	497.97	493.20	0.85	ppb
Thallium	205-1	492.71	486.36	502.36	493.81	1.63	ppb
Tin	118-1	486.27	496.29	489.89	490.81	1.03	ppb
Titanium	47-1	5361.93	5451.21	5384.92	5399.35	0.86	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:03:30	DataFile Name :	038CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	502.97	492.41	490.08	495.15	1.39	ppb
Vanadium	51-2	498.16	497.21	492.87	496.08	0.57	ppb
Yttrium	89-1				104		%
Yttrium	89-2				99		%
Zinc	66-2	4754.84	4744.12	4597.08	4698.68	1.88	ppb
Zirconium	90-1	481.96	486.58	498.24	488.92	1.72	ppb
Zirconium	91-1	478.60	484.27	500.74	487.87	2.36	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:09:51	DataFile Name :	039CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.71	-0.23	0.07	-0.29		ppb
Antimony	121-1	0.13	0.13	0.16	0.14	10.93	ppb
Arsenic	75-2	-0.02	-0.01	0.03	0.00	843.81	ppb
Barium	135-1	0.03	0.02	0.02	0.02	44.70	ppb
Barium	137-1	0.02	0.00	0.04	0.02	111.97	ppb
Beryllium	9-1	0.04	0.03	0.05	0.04	14.73	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.04	-0.01	-0.01		ppb
Cadmium	106-1	-2.88	-1.55	-2.89	-2.44		ppb
Cadmium	111-1	-0.20	-0.12	-0.21	-0.18		ppb
Calcium	43-1	2.43	0.53	3.80	2.25	72.70	ppb
Calcium	44-1	-4.13	-3.93	-5.27	-4.44		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.22	-0.26	-0.24	-0.24		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.05	0.07	0.09	0.07	32.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	1.14	1.05	1.09	1.09	4.23	ppb
Iron	57-2	1.11	0.59	2.42	1.37	68.73	ppb
Iron	54-2	-0.08	0.39	0.92	0.41	121.92	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:09:51	DataFile Name :	039CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.01	0.01	0.02	97.10	ppb
Lead	207-1	0.03	0.02	0.04	0.03	39.96	ppb
Lead	208-1	0.03	0.01	0.02	0.02	64.90	ppb
Lithium	6-1				108		%
Magnesium	24-2	5.33	5.74	5.99	5.69	5.94	ppb
Manganese	55-2	0.02	0.04	0.03	0.03	30.80	ppb
Molybdenum	94-1	0.15	0.15	0.16	0.15	2.66	ppb
Molybdenum	95-1	0.09	0.11	0.11	0.10	13.60	ppb
Molybdenum	96-1	0.12	0.12	0.14	0.13	8.53	ppb
Molybdenum	97-1	0.11	0.08	0.12	0.10	17.68	ppb
Molybdenum	98-1	0.10	0.10	0.13	0.11	16.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.18	-0.23	-0.12	-0.17		ppb
Phosphorus	31-2	-19.54	-16.97	-14.00	-16.84		ppb
Potassium	39-2	-2.12	-2.13	-1.29	-1.85		ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				101		%
Selenium	82-1	-0.36	0.39	0.56	0.20	248.72	ppb
Selenium	77-2	-0.13	-0.13	0.25	0.00		ppb
Selenium	78-2	-1.24	-0.19	-0.43	-0.62		ppb
Silicon	28-1	-0.27	-0.28	-0.23	-0.26		ppb
Silver	107-1	0.02	0.02	0.02	0.02	11.78	ppb
Silver	109-1	0.02	0.01	0.02	0.02	36.95	ppb
Sodium	23-2	33.74	33.46	35.95	34.38	3.97	ppb
Strontium	86-1	0.24	0.19	0.21	0.21	10.44	ppb
Strontium	88-1	0.20	0.20	0.19	0.20	3.72	ppb
Sulfur	34-1	6.14	-8.86	-47.49	-16.74		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.02	0.01	0.01	0.01	45.24	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	11.40	ppb
Tin	118-1	0.01	0.01	0.02	0.01	64.40	ppb
Titanium	47-1	0.03	0.13	0.09	0.08	62.89	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:09:51	DataFile Name :	039CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.01	28.20	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	175.30	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	-0.68	-0.61	-0.64	-0.64		ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	10.92	ppb
Zirconium	91-1	0.01	0.02	0.02	0.02	27.17	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:13:06	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	63.76	62.94	60.65	62.45	2.59	ppb
Antimony	121-1	0.08	0.11	0.11	0.10	18.00	ppb
Arsenic	75-2	0.76	0.75	0.87	0.79	8.58	ppb
Barium	135-1	61.71	63.24	63.17	62.71	1.38	ppb
Barium	137-1	64.14	65.22	63.89	64.42	1.10	ppb
Beryllium	9-1	0.06	0.02	0.02	0.03	61.46	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	0.04	0.13	0.03	298.77	ppb
Cadmium	106-1	-0.98	-1.30	-0.73	-1.00		ppb
Cadmium	111-1	-0.05	-0.09	-0.06	-0.06		ppb
Calcium	43-1	24310.36	23650.65	23512.07	23824.36	1.79	ppb
Calcium	44-1	22764.29	21930.70	22084.11	22259.70	1.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.19	0.15	0.19	0.18	12.07	ppb
Cobalt	59-2	0.61	0.61	0.63	0.62	1.53	ppb
Copper	63-2	0.80	0.86	0.83	0.83	3.66	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				106		%
Holmium	165-2				108		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	2987.52	2953.56	2975.72	2972.27	0.58	ppb
Iron	57-2	3230.97	3194.89	3224.01	3216.62	0.60	ppb
Iron	54-2	3136.22	3144.53	3162.41	3147.72	0.43	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:13:06	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.54	0.55	0.55	0.55	1.14	ppb
Lead	207-1	0.47	0.49	0.50	0.49	3.09	ppb
Lead	208-1	0.54	0.51	0.52	0.52	3.10	ppb
Lithium	6-1				112		%
Magnesium	24-2	4278.96	4219.25	4283.46	4260.56	0.84	ppb
Manganese	55-2	869.45	847.32	861.70	859.49	1.31	ppb
Molybdenum	94-1	0.21	0.27	0.20	0.23	17.10	ppb
Molybdenum	95-1	0.14	0.10	0.12	0.12	13.94	ppb
Molybdenum	96-1	0.16	0.17	0.13	0.15	13.16	ppb
Molybdenum	97-1	0.11	0.12	0.10	0.11	6.86	ppb
Molybdenum	98-1	0.11	0.10	0.12	0.11	7.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.68	0.69	0.59	0.65	8.44	ppb
Phosphorus	31-2	144.61	156.06	131.43	144.04	8.56	ppb
Potassium	39-2	3916.04	3958.61	3947.65	3940.77	0.56	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				106		%
Scandium	45-2				102		%
Selenium	82-1	0.70	0.29	0.61	0.53	39.98	ppb
Selenium	77-2	1.34	-0.13	-0.13	0.36	233.52	ppb
Selenium	78-2	-0.08	-0.68	0.20	-0.19		ppb
Silicon	28-1	194.89	188.71	186.55	190.05	2.28	ppb
Silver	107-1	0.02	0.02	0.03	0.02	7.35	ppb
Silver	109-1	0.02	0.03	0.02	0.02	8.34	ppb
Sodium	23-2	95972.10	97065.75	97536.71	96858.19	0.83	ppb
Strontium	86-1	153.11	154.03	153.31	153.48	0.32	ppb
Strontium	88-1	158.93	158.56	155.84	157.78	1.07	ppb
Sulfur	34-1	1820.35	1565.89	1377.16	1587.80	14.01	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.01	0.01	9.61	ppb
Thallium	205-1	0.01	0.01	0.02	0.02	32.09	ppb
Tin	118-1	0.29	0.30	0.37	0.32	12.90	ppb
Titanium	47-1	1.54	1.54	1.42	1.50	4.42	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:13:06	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	4.76	ppb
Vanadium	51-2	0.52	0.55	0.52	0.53	3.00	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	3.55	4.13	4.08	3.92	8.21	ppb
Zirconium	90-1	0.06	0.07	0.05	0.06	15.78	ppb
Zirconium	91-1	0.04	0.07	0.06	0.05	31.11	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01DUP	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124DUP	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:16:20	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	64.33	66.21	64.78	65.11	1.51	ppb
Antimony	121-1	0.08	0.06	0.09	0.08	16.80	ppb
Arsenic	75-2	0.97	0.81	0.78	0.85	11.97	ppb
Barium	135-1	63.12	63.65	64.76	63.84	1.31	ppb
Barium	137-1	64.94	63.99	65.46	64.80	1.15	ppb
Beryllium	9-1	0.01	0.00	0.03	0.01	129.94	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	-0.04	0.07	-0.02		ppb
Cadmium	106-1	-0.94	-1.68	-1.22	-1.28		ppb
Cadmium	111-1	-0.07	-0.10	-0.09	-0.09		ppb
Calcium	43-1	23504.91	23815.09	24121.89	23813.96	1.30	ppb
Calcium	44-1	22446.03	22815.85	22527.87	22596.58	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.20	0.12	0.22	0.18	29.63	ppb
Cobalt	59-2	0.59	0.64	0.59	0.61	5.11	ppb
Copper	63-2	0.74	0.78	0.82	0.78	5.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	3025.36	3037.20	3008.29	3023.62	0.48	ppb
Iron	57-2	3297.16	3316.08	3271.23	3294.82	0.68	ppb
Iron	54-2	3193.15	3218.28	3228.81	3213.41	0.57	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01DUP	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124DUP	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:16:20	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.44	0.46	0.51	0.47	7.85	ppb
Lead	207-1	0.46	0.44	0.47	0.46	3.44	ppb
Lead	208-1	0.45	0.45	0.48	0.46	4.05	ppb
Lithium	6-1				113		%
Magnesium	24-2	4282.11	4348.57	4320.76	4317.14	0.77	ppb
Manganese	55-2	887.46	888.46	871.80	882.57	1.06	ppb
Molybdenum	94-1	0.19	0.20	0.23	0.21	11.29	ppb
Molybdenum	95-1	0.10	0.12	0.09	0.10	13.65	ppb
Molybdenum	96-1	0.11	0.15	0.12	0.13	15.66	ppb
Molybdenum	97-1	0.07	0.10	0.06	0.08	24.95	ppb
Molybdenum	98-1	0.09	0.10	0.10	0.10	6.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.49	0.47	0.70	0.55	23.38	ppb
Phosphorus	31-2	150.04	141.75	156.37	149.39	4.91	ppb
Potassium	39-2	4000.72	4005.65	4010.38	4005.58	0.12	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				107		%
Scandium	45-2				101		%
Selenium	82-1	0.64	0.70	0.22	0.52	50.35	ppb
Selenium	77-2	-0.13	-0.13	0.24	0.00		ppb
Selenium	78-2	0.10	-1.20	0.48	-0.21		ppb
Silicon	28-1	189.30	191.20	187.40	189.30	1.00	ppb
Silver	107-1	0.02	0.02	0.03	0.02	25.54	ppb
Silver	109-1	0.03	0.02	0.02	0.02	23.05	ppb
Sodium	23-2	99368.77	99293.17	100163.99	99608.64	0.48	ppb
Strontium	86-1	151.64	156.94	153.24	153.94	1.77	ppb
Strontium	88-1	154.50	158.16	152.51	155.06	1.85	ppb
Sulfur	34-1	1518.49	1606.15	1513.54	1546.06	3.37	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.00	0.01	0.01	0.01	25.18	ppb
Thallium	205-1	0.00	0.00	0.01	0.00	43.50	ppb
Tin	118-1	0.17	0.17	0.21	0.18	10.75	ppb
Titanium	47-1	1.96	1.70	1.62	1.76	10.06	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01DUP	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124DUP	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:16:20	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.02	0.02	14.60	ppb
Vanadium	51-2	0.53	0.56	0.52	0.54	4.21	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	3.40	3.47	3.23	3.37	3.78	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	4.70	ppb
Zirconium	91-1	0.06	0.05	0.06	0.05	13.36	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01LX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124L	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 18:19:31	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34.84	33.35	33.47	33.89	2.44	ppb
Antimony	121-1	0.02	0.02	0.03	0.03	20.37	ppb
Arsenic	75-2	0.14	0.25	0.15	0.18	31.45	ppb
Barium	135-1	12.56	12.06	12.42	12.34	2.09	ppb
Barium	137-1	12.30	12.07	12.31	12.23	1.12	ppb
Beryllium	9-1	0.02	0.02	0.01	0.01	43.17	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	-0.04	0.01	-0.01		ppb
Cadmium	106-1	0.77	-1.89	-0.76	-0.62		ppb
Cadmium	111-1	0.05	-0.14	-0.07	-0.05		ppb
Calcium	43-1	4545.13	4594.17	4455.22	4531.51	1.56	ppb
Calcium	44-1	4334.47	4337.61	4237.01	4303.03	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.19	-0.17	-0.16	-0.17		ppb
Cobalt	59-2	0.10	0.11	0.11	0.10	5.20	ppb
Copper	63-2	0.13	0.19	0.16	0.16	16.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	602.09	610.87	612.73	608.56	0.93	ppb
Iron	57-2	642.88	616.81	632.85	630.85	2.08	ppb
Iron	54-2	607.19	619.92	615.41	614.17	1.05	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01LX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124L	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 18:19:31	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.07	0.06	0.06	9.17	ppb
Lead	207-1	0.05	0.07	0.06	0.06	12.64	ppb
Lead	208-1	0.06	0.07	0.06	0.06	5.58	ppb
Lithium	6-1				114		%
Magnesium	24-2	816.11	828.21	816.95	820.42	0.82	ppb
Manganese	55-2	170.69	171.55	171.97	171.41	0.38	ppb
Molybdenum	94-1	0.01	0.02	0.04	0.02	65.21	ppb
Molybdenum	95-1	0.01	0.01	0.00	0.01	125.73	ppb
Molybdenum	96-1	0.01	0.01	0.01	0.01	39.68	ppb
Molybdenum	97-1	-0.01	-0.02	-0.02	-0.01		ppb
Molybdenum	98-1	0.01	0.00	0.01	0.01	44.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.02	0.03	-0.01		ppb
Phosphorus	31-2	13.20	15.25	16.35	14.94	10.71	ppb
Potassium	39-2	752.77	760.13	754.71	755.87	0.50	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	82-1	-0.21	0.24	0.32	0.12	246.64	ppb
Selenium	77-2	-0.13	0.24	-0.13	0.00		ppb
Selenium	78-2	0.41	-0.68	-2.14	-0.80		ppb
Silicon	28-1	37.09	37.89	35.76	36.91	2.91	ppb
Silver	107-1	0.00	0.01	0.01	0.01	34.72	ppb
Silver	109-1	0.00	0.00	0.00	0.00	17.56	ppb
Sodium	23-2	18549.78	18748.79	18421.81	18573.46	0.89	ppb
Strontium	86-1	29.45	29.33	29.27	29.35	0.31	ppb
Strontium	88-1	29.49	29.25	29.21	29.32	0.51	ppb
Sulfur	34-1	187.10	258.89	78.95	174.98	51.76	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	-0.01	0.00	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00	126.32	ppb
Tin	118-1	0.04	0.06	0.03	0.04	34.96	ppb
Titanium	47-1	0.35	0.39	0.30	0.35	12.87	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01LX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124L	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 18:19:31	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	6.40	ppb
Vanadium	51-2	0.09	0.12	0.09	0.10	15.96	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	1.71	1.58	1.55	1.62	5.26	ppb
Zirconium	90-1	0.01	0.02	0.01	0.01	24.39	ppb
Zirconium	91-1	0.10	0.01	0.00	0.04	146.69	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-04	Instrumnet Name :	P7
Client Sample ID :	922-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:22:47	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52.39	53.72	56.58	54.23	3.95	ppb
Antimony	121-1	0.06	0.07	0.07	0.07	5.94	ppb
Arsenic	75-2	0.36	0.43	0.40	0.39	8.52	ppb
Barium	135-1	82.98	84.07	84.61	83.88	0.99	ppb
Barium	137-1	83.94	85.44	85.37	84.92	0.99	ppb
Beryllium	9-1	0.01	0.04	0.02	0.02	68.77	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	-0.02	-0.04	-0.01		ppb
Cadmium	106-1	0.20	-1.53	-1.50	-0.94		ppb
Cadmium	111-1	0.00	-0.11	-0.11	-0.07		ppb
Calcium	43-1	40565.80	41591.64	40591.28	40916.24	1.43	ppb
Calcium	44-1	37819.11	38739.71	38828.75	38462.53	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.50	0.50	0.50	0.50	0.36	ppb
Cobalt	59-2	5.16	5.21	5.33	5.23	1.61	ppb
Copper	63-2	0.34	0.33	0.37	0.35	5.19	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				105		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	4732.83	4709.04	4767.56	4736.48	0.62	ppb
Iron	57-2	5094.91	5120.66	5118.66	5111.41	0.28	ppb
Iron	54-2	4990.64	5001.49	4997.74	4996.62	0.11	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-04	Instrumnet Name :	P7
Client Sample ID :	922-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:22:47	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.15	0.16	0.15	0.15	5.65	ppb
Lead	207-1	0.14	0.15	0.17	0.15	9.24	ppb
Lead	208-1	0.14	0.14	0.15	0.14	5.78	ppb
Lithium	6-1				110		%
Magnesium	24-2	8648.66	8595.87	8696.32	8646.95	0.58	ppb
Manganese	55-2	1106.55	1089.82	1104.52	1100.30	0.83	ppb
Molybdenum	94-1	0.12	0.10	0.14	0.12	14.96	ppb
Molybdenum	95-1	0.04	0.05	0.04	0.04	14.62	ppb
Molybdenum	96-1	0.05	0.06	0.06	0.06	12.98	ppb
Molybdenum	97-1	0.00	0.02	0.01	0.01	61.90	ppb
Molybdenum	98-1	0.03	0.02	0.03	0.02	24.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.84	1.01	0.96	0.94	9.31	ppb
Phosphorus	31-2	234.99	230.93	242.50	236.14	2.49	ppb
Potassium	39-2	6755.31	6753.83	6584.62	6697.92	1.46	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	82-1	0.76	1.01	1.14	0.97	19.52	ppb
Selenium	77-2	0.60	0.24	0.25	0.37	55.89	ppb
Selenium	78-2	-1.45	0.09	0.60	-0.26		ppb
Silicon	28-1	162.19	165.10	160.44	162.58	1.45	ppb
Silver	107-1	0.02	0.02	0.02	0.02	12.26	ppb
Silver	109-1	0.01	0.02	0.02	0.02	29.70	ppb
Sodium	23-2	229362.50	226966.73	226358.81	227562.68	0.70	ppb
Strontium	86-1	269.58	271.59	267.35	269.50	0.79	ppb
Strontium	88-1	271.22	279.01	269.75	273.33	1.82	ppb
Sulfur	34-1	10001.99	10375.86	9873.64	10083.83	2.59	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	0.01	0.00	0.01	0.01	54.87	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	15.55	ppb
Tin	118-1	0.20	0.20	0.19	0.20	3.32	ppb
Titanium	47-1	0.93	0.76	0.85	0.85	9.72	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-04	Instrumnet Name :	P7
Client Sample ID :	922-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:22:47	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	9.40	ppb
Vanadium	51-2	0.33	0.28	0.35	0.32	10.99	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	20.59	21.15	20.75	20.83	1.38	ppb
Zirconium	90-1	0.05	0.05	0.05	0.05	6.38	ppb
Zirconium	91-1	0.05	0.05	0.04	0.05	10.67	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:25:57	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9776.41	9631.30	9774.95	9727.55	0.86	ppb
Antimony	121-1	513.08	511.90	530.83	518.61	2.05	ppb
Arsenic	75-2	545.42	539.06	532.50	538.99	1.20	ppb
Barium	135-1	2387.01	2435.97	2475.86	2432.95	1.83	ppb
Barium	137-1	2461.53	2479.77	2470.63	2470.65	0.37	ppb
Beryllium	9-1	562.53	556.10	577.44	565.35	1.94	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	538.92	536.61	545.83	540.45	0.89	ppb
Cadmium	106-1	539.10	542.23	551.30	544.21	1.16	ppb
Cadmium	111-1	532.42	533.04	544.95	536.80	1.32	ppb
Calcium	43-1	72168.29	73505.07	70421.63	72031.66	2.15	ppb
Calcium	44-1	70734.40	72233.70	70657.25	71208.45	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	518.94	506.84	516.00	513.93	1.23	ppb
Cobalt	59-2	535.10	525.92	531.00	530.67	0.87	ppb
Copper	63-2	5009.73	4881.94	4948.81	4946.83	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				109		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	29272.34	28827.42	28685.62	28928.46	1.06	ppb
Iron	57-2	29488.98	28739.93	28993.74	29074.21	1.31	ppb
Iron	54-2	28825.36	29183.44	29074.50	29027.77	0.63	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:25:57	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2496.95	2492.82	2494.20	2494.66	0.08	ppb
Lead	207-1	2484.16	2472.39	2502.80	2486.45	0.62	ppb
Lead	208-1	2484.21	2493.79	2491.63	2489.87	0.20	ppb
Lithium	6-1				116		%
Magnesium	24-2	54533.97	53604.37	53625.28	53921.21	0.98	ppb
Manganese	55-2	5730.53	5729.61	5764.67	5741.61	0.35	ppb
Molybdenum	94-1	4287.65	4474.34	4526.11	4429.37	2.83	ppb
Molybdenum	95-1	3995.51	4102.93	4169.54	4089.33	2.15	ppb
Molybdenum	96-1	3968.81	4218.72	4159.53	4115.69	3.17	ppb
Molybdenum	97-1	4074.45	4182.31	4211.82	4156.20	1.74	ppb
Molybdenum	98-1	4055.52	4142.17	4138.33	4112.01	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	512.25	502.98	514.44	509.89	1.19	ppb
Phosphorus	31-2	143.99	134.75	140.71	139.81	3.35	ppb
Potassium	39-2	28956.66	27933.13	28570.01	28486.60	1.81	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				109		%
Scandium	45-2				104		%
Selenium	82-1	528.87	550.20	548.67	542.58	2.19	ppb
Selenium	77-2	545.24	514.80	543.11	534.39	3.18	ppb
Selenium	78-2	529.06	535.80	541.99	535.61	1.21	ppb
Silicon	28-1	217.11	218.43	214.43	216.66	0.94	ppb
Silver	107-1	339.52	313.75	355.00	336.09	6.20	ppb
Silver	109-1	381.27	290.88	290.73	320.96	16.27	ppb
Sodium	23-2	146569.58	144254.27	142542.81	144455.55	1.40	ppb
Strontium	86-1	698.69	721.68	720.88	713.75	1.83	ppb
Strontium	88-1	687.80	717.32	708.96	704.69	2.16	ppb
Sulfur	34-1	1465.79	1528.36	1510.69	1501.62	2.15	ppb
Terbium	159-1				108		%
Terbium	159-2				108		%
Thallium	203-1	517.81	532.17	531.23	527.07	1.52	ppb
Thallium	205-1	519.18	521.95	522.95	521.36	0.37	ppb
Tin	118-1	470.23	469.19	476.26	471.89	0.81	ppb
Titanium	47-1	2946.62	3005.37	2954.91	2968.96	1.07	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:25:57	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	523.88	528.33	526.76	526.33	0.43	ppb
Vanadium	51-2	545.34	533.04	538.57	538.98	1.14	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	5121.55	5010.65	5027.81	5053.34	1.18	ppb
Zirconium	90-1	512.50	534.72	538.19	528.47	2.64	ppb
Zirconium	91-1	512.31	535.28	533.11	526.90	2.41	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:28:44	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9810.87	9922.23	9721.81	9818.30	1.02	ppb
Antimony	121-1	517.29	524.35	541.52	527.72	2.36	ppb
Arsenic	75-2	551.59	534.28	532.33	539.40	1.97	ppb
Barium	135-1	2427.74	2440.20	2521.52	2463.15	2.07	ppb
Barium	137-1	2423.10	2441.00	2475.20	2446.43	1.08	ppb
Beryllium	9-1	560.91	584.80	565.91	570.54	2.21	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	531.74	543.10	555.40	543.41	2.18	ppb
Cadmium	106-1	553.45	541.08	554.07	549.53	1.33	ppb
Cadmium	111-1	535.71	535.31	549.59	540.20	1.50	ppb
Calcium	43-1	71671.93	73478.92	71896.64	72349.17	1.36	ppb
Calcium	44-1	70298.53	73058.97	72875.02	72077.51	2.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	527.65	523.27	515.81	522.24	1.15	ppb
Cobalt	59-2	541.02	541.90	537.16	540.03	0.47	ppb
Copper	63-2	5107.26	5056.64	4916.04	5026.65	1.97	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				107		%
Holmium	165-2				109		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	29344.20	29441.89	28828.25	29204.78	1.13	ppb
Iron	57-2	30169.26	29940.38	29458.29	29855.98	1.22	ppb
Iron	54-2	29788.35	29850.81	29496.30	29711.82	0.64	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:28:44	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2489.62	2488.88	2573.74	2517.41	1.94	ppb
Lead	207-1	2455.68	2489.32	2530.87	2491.95	1.51	ppb
Lead	208-1	2487.39	2475.36	2570.89	2511.21	2.07	ppb
Lithium	6-1				115		%
Magnesium	24-2	54064.68	55479.08	53682.30	54408.69	1.74	ppb
Manganese	55-2	5859.34	5760.39	5748.35	5789.36	1.05	ppb
Molybdenum	94-1	4379.39	4309.98	4364.59	4351.32	0.84	ppb
Molybdenum	95-1	4079.25	4116.27	4153.26	4116.26	0.90	ppb
Molybdenum	96-1	4174.52	4169.92	4134.92	4159.79	0.52	ppb
Molybdenum	97-1	4098.80	4084.25	4159.05	4114.03	0.96	ppb
Molybdenum	98-1	4049.85	4077.87	4191.01	4106.24	1.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	525.37	524.74	515.81	521.97	1.02	ppb
Phosphorus	31-2	142.68	132.88	161.14	145.57	9.86	ppb
Potassium	39-2	28985.30	28982.24	28590.12	28852.55	0.79	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				101		%
Selenium	82-1	538.77	534.55	538.79	537.37	0.45	ppb
Selenium	77-2	524.28	544.44	491.50	520.07	5.14	ppb
Selenium	78-2	520.00	528.27	531.70	526.66	1.14	ppb
Silicon	28-1	217.13	215.91	226.32	219.79	2.59	ppb
Silver	107-1	342.35	397.36	287.22	342.31	16.09	ppb
Silver	109-1	511.71	211.57	499.46	407.58	41.67	ppb
Sodium	23-2	147824.26	149966.35	146161.65	147984.09	1.29	ppb
Strontium	86-1	707.30	709.41	715.89	710.86	0.63	ppb
Strontium	88-1	704.22	704.56	719.52	709.43	1.23	ppb
Sulfur	34-1	1348.09	1312.24	1451.70	1370.68	5.28	ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	536.61	532.37	546.15	538.38	1.31	ppb
Thallium	205-1	526.37	521.99	546.66	531.68	2.48	ppb
Tin	118-1	465.29	481.49	492.16	479.65	2.82	ppb
Titanium	47-1	2959.71	2986.30	3003.31	2983.11	0.74	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:28:44	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	525.65	530.86	542.60	533.03	1.63	ppb
Vanadium	51-2	547.79	545.91	545.80	546.50	0.20	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	5160.01	5191.92	5112.70	5154.88	0.77	ppb
Zirconium	90-1	523.16	520.97	539.96	528.03	1.97	ppb
Zirconium	91-1	521.24	520.75	536.18	526.06	1.67	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01A	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124A	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:31:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9633.11	9720.97	9719.12	9691.07	0.52	ppb
Antimony	121-1	513.62	528.36	540.72	527.57	2.57	ppb
Arsenic	75-2	558.81	542.63	557.45	552.96	1.62	ppb
Barium	135-1	2416.09	2513.30	2538.72	2489.37	2.60	ppb
Barium	137-1	2501.46	2455.69	2532.37	2496.51	1.55	ppb
Beryllium	9-1	566.28	587.40	572.99	575.56	1.88	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	537.85	555.39	557.57	550.27	1.97	ppb
Cadmium	106-1	545.33	560.34	563.41	556.36	1.74	ppb
Cadmium	111-1	537.37	551.86	549.20	546.14	1.41	ppb
Calcium	43-1	71586.94	74179.42	73515.43	73093.93	1.84	ppb
Calcium	44-1	69688.69	72345.70	70446.42	70826.93	1.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.41	522.00	526.19	524.20	0.40	ppb
Cobalt	59-2	539.84	552.59	538.15	543.53	1.45	ppb
Copper	63-2	4989.74	5063.02	5017.99	5023.58	0.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				110		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	28945.13	29205.12	29242.61	29130.95	0.56	ppb
Iron	57-2	30036.91	29461.90	29082.08	29526.96	1.63	ppb
Iron	54-2	30140.82	29473.33	29471.53	29695.23	1.30	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01A	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124A	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:31:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2478.40	2577.77	2563.30	2539.82	2.11	ppb
Lead	207-1	2475.55	2551.22	2527.70	2518.16	1.54	ppb
Lead	208-1	2498.45	2540.18	2535.80	2524.81	0.91	ppb
Lithium	6-1				117		%
Magnesium	24-2	54133.31	52943.74	54124.21	53733.76	1.27	ppb
Manganese	55-2	5783.82	5652.34	5758.92	5731.69	1.22	ppb
Molybdenum	94-1	4238.30	4441.76	4518.35	4399.47	3.29	ppb
Molybdenum	95-1	3938.64	4105.02	4216.75	4086.80	3.42	ppb
Molybdenum	96-1	4082.94	4186.44	4188.32	4152.57	1.45	ppb
Molybdenum	97-1	4108.78	4193.60	4247.33	4183.24	1.67	ppb
Molybdenum	98-1	4005.00	4143.02	4199.45	4115.82	2.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	526.44	521.63	521.41	523.16	0.54	ppb
Phosphorus	31-2	140.22	150.51	140.66	143.80	4.05	ppb
Potassium	39-2	28982.64	28743.45	28446.30	28724.13	0.94	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				109		%
Scandium	45-2				103		%
Selenium	82-1	534.42	543.53	559.67	545.87	2.34	ppb
Selenium	77-2	529.52	530.74	562.62	540.96	3.47	ppb
Selenium	78-2	556.23	523.06	564.11	547.80	3.98	ppb
Silicon	28-1	216.38	221.99	219.31	219.23	1.28	ppb
Silver	107-1	349.43	368.64	458.96	392.35	14.91	ppb
Silver	109-1	367.71	323.04	495.16	395.30	22.59	ppb
Sodium	23-2	145199.39	147732.06	146985.52	146638.99	0.89	ppb
Strontium	86-1	704.88	710.25	724.30	713.14	1.41	ppb
Strontium	88-1	702.20	705.79	717.36	708.45	1.12	ppb
Sulfur	34-1	1227.76	1369.74	1274.77	1290.76	5.60	ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	525.99	542.16	550.88	539.68	2.34	ppb
Thallium	205-1	522.80	550.06	535.88	536.25	2.54	ppb
Tin	118-1	474.29	482.99	485.89	481.06	1.25	ppb
Titanium	47-1	2933.61	3048.31	3026.69	3002.87	2.03	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01A	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124A	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:31:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	531.78	553.92	551.50	545.73	2.22	ppb
Vanadium	51-2	549.72	553.05	553.00	551.92	0.35	ppb
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	5078.39	5115.24	5042.60	5078.74	0.72	ppb
Zirconium	90-1	528.86	533.74	552.32	538.31	2.30	ppb
Zirconium	91-1	516.80	533.57	549.02	533.13	3.02	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-01	Instrumnet Name :	P7
Client Sample ID :	924-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:34:15	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	69.94	69.13	68.83	69.30	0.83	ppb
Antimony	121-1	0.54	0.61	0.63	0.59	7.62	ppb
Arsenic	75-2	0.80	0.88	0.87	0.85	5.13	ppb
Barium	135-1	177.65	178.06	177.83	177.85	0.12	ppb
Barium	137-1	180.39	178.89	180.22	179.83	0.46	ppb
Beryllium	9-1	0.15	0.15	0.13	0.14	9.57	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	0.15	0.07	0.08	88.71	ppb
Cadmium	106-1	-0.44	-1.42	-1.01	-0.96		ppb
Cadmium	111-1	0.02	-0.06	-0.05	-0.03		ppb
Calcium	43-1	37139.37	37499.36	36261.86	36966.86	1.72	ppb
Calcium	44-1	35015.60	35602.66	33874.23	34830.83	2.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.41	0.48	0.46	0.45	8.46	ppb
Cobalt	59-2	2.37	2.36	2.30	2.34	1.52	ppb
Copper	63-2	0.78	0.67	0.72	0.72	7.78	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				105		%
Holmium	165-2				108		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	4066.59	4082.03	4019.24	4055.95	0.81	ppb
Iron	57-2	4373.25	4395.39	4311.53	4360.06	1.00	ppb
Iron	54-2	4223.92	4251.10	4208.79	4227.94	0.51	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-01	Instrumnet Name :	P7
Client Sample ID :	924-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:34:15	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.94	0.95	0.86	0.92	5.22	ppb
Lead	207-1	0.96	0.89	0.81	0.89	8.42	ppb
Lead	208-1	0.92	0.92	0.86	0.90	4.23	ppb
Lithium	6-1				116		%
Magnesium	24-2	9108.21	9027.88	8998.75	9044.95	0.63	ppb
Manganese	55-2	1940.54	1950.29	1917.77	1936.20	0.86	ppb
Molybdenum	94-1	0.85	0.74	0.82	0.80	7.32	ppb
Molybdenum	95-1	0.73	0.65	0.68	0.69	6.22	ppb
Molybdenum	96-1	0.72	0.65	0.65	0.67	5.92	ppb
Molybdenum	97-1	0.66	0.59	0.59	0.61	6.28	ppb
Molybdenum	98-1	0.66	0.58	0.64	0.63	6.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.07	1.14	1.12	1.11	2.97	ppb
Phosphorus	31-2	48.04	28.07	25.58	33.90	36.32	ppb
Potassium	39-2	4762.17	4887.54	4771.06	4806.93	1.46	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				108		%
Scandium	45-2				102		%
Selenium	82-1	0.91	-0.04	0.83	0.56	93.23	ppb
Selenium	77-2	0.23	0.98	-0.13	0.36	155.60	ppb
Selenium	78-2	-2.15	0.31	-2.00	-1.28		ppb
Silicon	28-1	162.65	172.97	163.22	166.28	3.49	ppb
Silver	107-1	0.88	0.86	0.81	0.85	4.38	ppb
Silver	109-1	0.91	0.86	0.83	0.87	4.68	ppb
Sodium	23-2	176871.78	174674.96	173244.98	174930.57	1.04	ppb
Strontium	86-1	244.36	241.12	249.89	245.12	1.81	ppb
Strontium	88-1	246.25	244.27	252.97	247.83	1.84	ppb
Sulfur	34-1	174.97	175.42	-64.16	95.41	144.83	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.07	0.06	0.04	0.06	33.66	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	10.89	ppb
Tin	118-1	0.52	0.56	0.63	0.57	9.43	ppb
Titanium	47-1	1.58	1.63	1.38	1.53	8.76	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-01	Instrumnet Name :	P7
Client Sample ID :	924-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:34:15	DataFile Name :	047SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.06	0.05	0.05	8.19	ppb
Vanadium	51-2	0.40	0.39	0.35	0.38	7.42	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	5.51	5.42	4.74	5.22	8.01	ppb
Zirconium	90-1	0.16	0.14	0.17	0.16	9.81	ppb
Zirconium	91-1	0.16	0.16	0.18	0.17	9.02	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-02	Instrumnet Name :	P7
Client Sample ID :	932-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:37:26	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28.18	28.86	28.81	28.62	1.33	ppb
Antimony	121-1	0.22	0.23	0.24	0.23	3.79	ppb
Arsenic	75-2	0.86	1.11	0.77	0.92	19.29	ppb
Barium	135-1	173.48	170.46	172.99	172.31	0.94	ppb
Barium	137-1	173.96	173.32	175.98	174.42	0.80	ppb
Beryllium	9-1	0.06	0.05	0.05	0.06	9.50	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	0.07	-0.04	-0.01		ppb
Cadmium	106-1	0.09	-1.50	-0.77	-0.73		ppb
Cadmium	111-1	0.02	-0.12	-0.04	-0.05		ppb
Calcium	43-1	35870.31	35926.80	36571.35	36122.82	1.08	ppb
Calcium	44-1	33662.68	33050.06	34534.42	33749.05	2.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.28	0.25	0.29	0.28	6.61	ppb
Cobalt	59-2	2.10	2.12	2.10	2.11	0.59	ppb
Copper	63-2	0.77	0.77	0.86	0.80	6.53	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				105		%
Holmium	165-2				107		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	4685.17	4653.75	4628.64	4655.85	0.61	ppb
Iron	57-2	4991.26	5061.29	4981.49	5011.34	0.87	ppb
Iron	54-2	4869.59	4922.45	4884.93	4892.32	0.56	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-02	Instrumnet Name :	P7
Client Sample ID :	932-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:37:26	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.42	0.38	0.39	0.40	5.00	ppb
Lead	207-1	0.38	0.38	0.34	0.37	6.12	ppb
Lead	208-1	0.40	0.39	0.37	0.39	3.31	ppb
Lithium	6-1				116		%
Magnesium	24-2	8683.00	8981.62	8724.97	8796.53	1.84	ppb
Manganese	55-2	1675.99	1696.75	1632.27	1668.34	1.97	ppb
Molybdenum	94-1	0.30	0.39	0.39	0.36	13.24	ppb
Molybdenum	95-1	0.25	0.28	0.29	0.27	8.48	ppb
Molybdenum	96-1	0.27	0.29	0.30	0.29	5.34	ppb
Molybdenum	97-1	0.24	0.25	0.21	0.23	7.21	ppb
Molybdenum	98-1	0.23	0.24	0.23	0.23	1.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.00	0.92	0.99	6.47	ppb
Phosphorus	31-2	43.46	27.18	25.65	32.10	30.75	ppb
Potassium	39-2	4538.21	4893.65	4510.86	4647.57	4.59	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	82-1	0.35	0.43	0.64	0.47	32.02	ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	-0.70	-0.62	-0.36	-0.56		ppb
Silicon	28-1	156.56	154.57	160.42	157.19	1.89	ppb
Silver	107-1	0.50	0.46	0.46	0.47	4.61	ppb
Silver	109-1	0.47	0.44	0.45	0.45	2.66	ppb
Sodium	23-2	171793.41	173761.45	170071.66	171875.51	1.07	ppb
Strontium	86-1	239.95	241.00	242.75	241.23	0.59	ppb
Strontium	88-1	238.23	248.11	245.37	243.90	2.09	ppb
Sulfur	34-1	331.40	314.82	413.98	353.40	15.03	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.02	0.02	0.02	21.81	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	7.71	ppb
Tin	118-1	0.21	0.23	0.20	0.21	7.00	ppb
Titanium	47-1	1.18	1.05	1.21	1.15	7.27	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-02	Instrumnet Name :	P7
Client Sample ID :	932-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:37:26	DataFile Name :	048SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.02	0.02	20.87	ppb
Vanadium	51-2	0.28	0.29	0.25	0.28	7.40	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	3.38	3.92	3.83	3.71	7.78	ppb
Zirconium	90-1	0.08	0.08	0.09	0.08	8.81	ppb
Zirconium	91-1	0.07	0.08	0.10	0.08	16.34	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-01	Instrumnet Name :	P7
Client Sample ID :	915-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:40:39	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	681.92	681.28	698.66	687.29	1.43	ppb
Antimony	121-1	0.38	0.43	0.41	0.41	6.32	ppb
Arsenic	75-2	3.60	3.86	3.55	3.67	4.53	ppb
Barium	135-1	59.75	60.90	59.27	59.97	1.39	ppb
Barium	137-1	60.31	61.87	60.12	60.77	1.59	ppb
Beryllium	9-1	0.10	0.05	0.07	0.07	34.02	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.10	0.01	0.06	76.09	ppb
Cadmium	106-1	-0.42	-0.55	-1.40	-0.79		ppb
Cadmium	111-1	0.06	0.05	-0.03	0.03	167.95	ppb
Calcium	43-1	20770.08	20562.42	20549.44	20627.31	0.60	ppb
Calcium	44-1	19134.26	19291.36	19375.32	19266.98	0.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.08	2.12	2.24	2.15	3.72	ppb
Cobalt	59-2	1.15	1.10	1.19	1.15	4.13	ppb
Copper	63-2	9.34	9.29	9.41	9.35	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	5860.49	5793.20	5831.42	5828.37	0.58	ppb
Iron	57-2	6256.76	6213.27	6284.56	6251.53	0.57	ppb
Iron	54-2	6206.04	6239.47	6234.96	6226.83	0.29	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-01	Instrumnet Name :	P7
Client Sample ID :	915-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:40:39	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.29	5.20	5.14	5.21	1.46	ppb
Lead	207-1	4.80	5.10	4.95	4.95	2.98	ppb
Lead	208-1	5.04	5.12	5.00	5.05	1.21	ppb
Lithium	6-1				117		%
Magnesium	24-2	3369.99	3357.56	3379.09	3368.88	0.32	ppb
Manganese	55-2	465.40	463.65	461.85	463.63	0.38	ppb
Molybdenum	94-1	1.06	1.07	1.05	1.06	1.16	ppb
Molybdenum	95-1	0.57	0.55	0.62	0.58	6.03	ppb
Molybdenum	96-1	0.67	0.73	0.68	0.69	5.07	ppb
Molybdenum	97-1	0.63	0.60	0.57	0.60	5.38	ppb
Molybdenum	98-1	0.57	0.59	0.59	0.58	2.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.74	1.75	1.77	1.75	0.78	ppb
Phosphorus	31-2	189.20	181.44	180.96	183.87	2.52	ppb
Potassium	39-2	2742.47	2736.51	2754.10	2744.36	0.33	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				102		%
Selenium	82-1	0.09	0.94	0.55	0.52	81.08	ppb
Selenium	77-2	-0.13	0.97	-0.13	0.24	264.90	ppb
Selenium	78-2	0.12	0.65	-0.78	0.00		ppb
Silicon	28-1	200.13	200.61	212.59	204.45	3.45	ppb
Silver	107-1	0.13	0.14	0.13	0.13	5.05	ppb
Silver	109-1	0.14	0.14	0.13	0.14	1.77	ppb
Sodium	23-2	67137.31	67006.89	66972.52	67038.91	0.13	ppb
Strontium	86-1	124.61	127.93	127.57	126.70	1.44	ppb
Strontium	88-1	128.59	128.61	127.15	128.12	0.65	ppb
Sulfur	34-1	3104.15	2947.84	3036.42	3029.47	2.59	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.02	0.02	0.01	0.02	19.67	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	8.50	ppb
Tin	118-1	0.65	0.67	0.71	0.68	4.49	ppb
Titanium	47-1	16.14	15.86	16.42	16.14	1.73	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-01	Instrumnet Name :	P7
Client Sample ID :	915-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:40:39	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.06	0.05	0.06	0.06	7.18	ppb
Vanadium	51-2	2.36	2.42	2.53	2.44	3.55	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	52.82	52.15	54.00	52.99	1.77	ppb
Zirconium	90-1	0.28	0.29	0.32	0.30	5.53	ppb
Zirconium	91-1	0.30	0.29	0.31	0.30	2.98	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:43:51	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49018.79	49239.88	49990.27	49416.31	1.03	ppb
Antimony	121-1	484.21	488.59	486.37	486.39	0.45	ppb
Arsenic	75-2	500.20	480.82	490.75	490.59	1.98	ppb
Barium	135-1	2345.61	2386.75	2384.98	2372.45	0.98	ppb
Barium	137-1	2407.21	2355.58	2406.88	2389.89	1.24	ppb
Beryllium	9-1	478.83	519.04	505.29	501.05	4.08	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	481.95	482.23	480.41	481.53	0.20	ppb
Cadmium	106-1	476.65	479.46	483.66	479.93	0.73	ppb
Cadmium	111-1	462.74	467.77	475.22	468.58	1.34	ppb
Calcium	43-1	243039.07	259457.51	252650.47	251715.68	3.28	ppb
Calcium	44-1	242996.63	253127.52	252851.45	249658.53	2.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	478.82	476.20	484.83	479.95	0.92	ppb
Cobalt	59-2	471.25	470.79	465.33	469.12	0.70	ppb
Copper	63-2	4734.46	4720.83	4767.04	4740.78	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				109		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	56-2	126612.58	123591.25	125258.36	125154.06	1.21	ppb
Iron	57-2	124815.87	124982.65	124105.16	124634.56	0.37	ppb
Iron	54-2	124502.49	126321.73	125071.19	125298.47	0.74	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:43:51	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2428.32	2449.59	2433.57	2437.16	0.45	ppb
Lead	207-1	2394.95	2421.81	2384.13	2400.30	0.81	ppb
Lead	208-1	2417.12	2458.19	2432.20	2435.84	0.85	ppb
Lithium	6-1				118		%
Magnesium	24-2	243457.03	246891.53	246889.97	245746.18	0.81	ppb
Manganese	55-2	4671.86	4694.76	4813.67	4726.76	1.61	ppb
Molybdenum	94-1	5358.91	5343.99	5327.79	5343.57	0.29	ppb
Molybdenum	95-1	5377.53	5418.99	5273.26	5356.59	1.40	ppb
Molybdenum	96-1	5259.78	5288.27	5427.92	5325.32	1.69	ppb
Molybdenum	97-1	5392.91	5342.57	5381.91	5372.46	0.49	ppb
Molybdenum	98-1	5307.12	5388.05	5332.26	5342.48	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	458.24	457.81	462.35	459.47	0.55	ppb
Phosphorus	31-2	9484.14	9444.15	9704.23	9544.17	1.47	ppb
Potassium	39-2	124154.93	123287.28	125230.32	124224.18	0.78	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				107		%
Scandium	45-2				101		%
Selenium	82-1	487.03	487.90	482.11	485.68	0.64	ppb
Selenium	77-2	492.20	472.41	501.49	488.70	3.04	ppb
Selenium	78-2	497.61	476.35	487.79	487.25	2.18	ppb
Silicon	28-1	498.95	518.32	500.33	505.87	2.14	ppb
Silver	107-1	476.00	477.37	480.96	478.11	0.54	ppb
Silver	109-1	471.68	473.83	481.61	475.71	1.10	ppb
Sodium	23-2	251395.27	254632.26	254917.10	253648.21	0.77	ppb
Strontium	86-1	12168.16	12226.66	12154.09	12182.97	0.32	ppb
Strontium	88-1	12347.74	12153.65	12050.95	12184.11	1.24	ppb
Sulfur	34-1	9258.38	10005.49	9311.03	9524.97	4.38	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	480.73	495.89	500.82	492.48	2.13	ppb
Thallium	205-1	486.43	495.33	498.25	493.34	1.25	ppb
Tin	118-1	478.72	491.02	486.12	485.29	1.28	ppb
Titanium	47-1	5294.34	5363.41	5384.31	5347.35	0.88	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:43:51	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	484.01	490.78	497.68	490.82	1.39	ppb
Vanadium	51-2	483.09	486.67	486.04	485.27	0.39	ppb
Yttrium	89-1				105		%
Yttrium	89-2				99		%
Zinc	66-2	4756.71	4725.27	4756.65	4746.21	0.38	ppb
Zirconium	90-1	480.88	490.93	498.14	489.98	1.77	ppb
Zirconium	91-1	487.59	492.08	488.63	489.43	0.48	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:49:05	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.35	-0.18	0.60	0.26	153.98	ppb
Antimony	121-1	0.14	0.19	0.27	0.20	30.89	ppb
Arsenic	75-2	-0.01	0.01	-0.01	0.00		ppb
Barium	135-1	0.00	-0.01	0.03	0.01	205.57	ppb
Barium	137-1	0.01	0.02	0.01	0.01	41.96	ppb
Beryllium	9-1	0.06	0.04	0.06	0.05	19.47	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.02	-0.07	0.00		ppb
Cadmium	106-1	-1.49	0.01	-2.38	-1.28		ppb
Cadmium	111-1	-0.11	-0.01	-0.17	-0.10		ppb
Calcium	43-1	-3.18	2.68	-2.53	-1.01		ppb
Calcium	44-1	-3.08	-7.23	-4.81	-5.04		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.26	-0.23	-0.25	-0.25		ppb
Cobalt	59-2	0.00	-0.01	0.00	-0.01		ppb
Copper	63-2	0.10	0.13	0.17	0.13	25.77	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	1.34	1.87	2.71	1.97	34.95	ppb
Iron	57-2	1.87	2.51	3.45	2.61	30.53	ppb
Iron	54-2	1.27	0.94	2.88	1.70	61.45	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:49:05	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.05	0.04	0.05	0.05	11.94	ppb
Lead	207-1	0.03	0.05	0.05	0.04	21.28	ppb
Lead	208-1	0.05	0.04	0.04	0.04	6.98	ppb
Lithium	6-1				109		%
Magnesium	24-2	6.39	6.95	8.18	7.17	12.77	ppb
Manganese	55-2	-0.01	0.04	0.07	0.03	128.08	ppb
Molybdenum	94-1	0.16	0.16	0.20	0.17	14.63	ppb
Molybdenum	95-1	0.12	0.09	0.14	0.12	21.09	ppb
Molybdenum	96-1	0.11	0.13	0.15	0.13	16.49	ppb
Molybdenum	97-1	0.12	0.09	0.16	0.12	29.16	ppb
Molybdenum	98-1	0.11	0.12	0.14	0.12	11.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.11	-0.15	-0.15	-0.14		ppb
Phosphorus	31-2	-14.43	-20.95	-16.00	-17.12		ppb
Potassium	39-2	-1.50	0.14	3.15	0.60	394.31	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	-0.06	0.05	0.02	0.00	1314.21	ppb
Selenium	77-2	-0.13	0.24	0.25	0.12	176.01	ppb
Selenium	78-2	0.97	-1.01	0.64	0.20	525.29	ppb
Silicon	28-1	-0.29	-0.32	-0.05	-0.22		ppb
Silver	107-1	0.05	0.03	0.02	0.03	38.52	ppb
Silver	109-1	0.05	0.02	0.03	0.03	49.28	ppb
Sodium	23-2	52.92	53.98	55.05	53.98	1.97	ppb
Strontium	86-1	0.21	0.17	0.23	0.20	15.52	ppb
Strontium	88-1	0.17	0.16	0.19	0.17	10.85	ppb
Sulfur	34-1	-222.48	-267.11	112.68	-125.64		ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	0.02	0.01	0.02	0.01	40.17	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	13.46	ppb
Tin	118-1	0.03	0.04	0.28	0.12	121.26	ppb
Titanium	47-1	0.13	0.15	0.16	0.15	9.52	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:49:05	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	17.84	ppb
Vanadium	51-2	0.01	0.01	0.02	0.02	44.34	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	-0.44	-0.48	-0.39	-0.44		ppb
Zirconium	90-1	0.02	0.03	0.04	0.03	27.58	ppb
Zirconium	91-1	0.02	0.03	0.05	0.03	50.17	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-02	Instrumnet Name :	P7
Client Sample ID :	920-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:55:43	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	114.35	110.36	111.00	111.90	1.92	ppb
Antimony	121-1	0.23	0.24	0.27	0.24	7.54	ppb
Arsenic	75-2	2.01	2.23	2.22	2.16	5.72	ppb
Barium	135-1	55.70	56.03	55.51	55.75	0.47	ppb
Barium	137-1	56.90	56.81	56.11	56.61	0.77	ppb
Beryllium	9-1	0.02	0.04	0.02	0.03	42.39	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	-0.07	-0.02	-0.04		ppb
Cadmium	106-1	-2.52	-2.25	-2.31	-2.36		ppb
Cadmium	111-1	-0.18	-0.16	-0.16	-0.17		ppb
Calcium	43-1	21155.36	21120.96	21191.42	21155.91	0.17	ppb
Calcium	44-1	19944.09	19883.46	19831.58	19886.38	0.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.27	0.26	0.29	0.27	6.49	ppb
Cobalt	59-2	0.61	0.59	0.60	0.60	1.37	ppb
Copper	63-2	3.05	3.06	2.98	3.03	1.37	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				105		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	56-2	3189.65	3168.58	3141.96	3166.73	0.75	ppb
Iron	57-2	3382.00	3366.19	3364.13	3370.78	0.29	ppb
Iron	54-2	3339.30	3326.33	3309.80	3325.14	0.44	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-02	Instrumnet Name :	P7
Client Sample ID :	920-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:55:43	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.45	1.52	1.48	1.48	2.05	ppb
Lead	207-1	1.43	1.46	1.43	1.44	1.33	ppb
Lead	208-1	1.43	1.48	1.46	1.46	1.63	ppb
Lithium	6-1				110		%
Magnesium	24-2	3369.41	3354.41	3341.78	3355.20	0.41	ppb
Manganese	55-2	478.80	476.37	473.43	476.20	0.56	ppb
Molybdenum	94-1	0.56	0.56	0.59	0.57	2.66	ppb
Molybdenum	95-1	0.40	0.41	0.47	0.43	9.00	ppb
Molybdenum	96-1	0.45	0.47	0.48	0.47	3.48	ppb
Molybdenum	97-1	0.40	0.50	0.40	0.43	13.85	ppb
Molybdenum	98-1	0.43	0.45	0.43	0.43	2.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.63	0.66	0.69	0.66	4.55	ppb
Phosphorus	31-2	84.66	108.64	104.96	99.42	12.99	ppb
Potassium	39-2	2766.47	2784.58	2804.12	2785.05	0.68	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	0.75	0.31	0.36	0.47	51.61	ppb
Selenium	77-2	0.94	-0.13	0.24	0.35	154.57	ppb
Selenium	78-2	1.13	-0.16	0.10	0.36	188.89	ppb
Silicon	28-1	157.92	154.92	156.73	156.52	0.97	ppb
Silver	107-1	0.05	0.05	0.04	0.05	11.60	ppb
Silver	109-1	0.05	0.03	0.04	0.04	17.13	ppb
Sodium	23-2	68849.74	68226.64	69696.32	68924.23	1.07	ppb
Strontium	86-1	128.09	132.70	134.35	131.72	2.46	ppb
Strontium	88-1	133.00	135.26	135.62	134.63	1.06	ppb
Sulfur	34-1	3106.73	2862.88	2888.92	2952.84	4.53	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.01	0.01	25.39	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	18.29	ppb
Tin	118-1	0.23	0.23	0.24	0.23	1.06	ppb
Titanium	47-1	2.51	2.36	2.41	2.43	3.22	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-02	Instrumnet Name :	P7
Client Sample ID :	920-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:55:43	DataFile Name :	052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.02	0.03	12.93	ppb
Vanadium	51-2	1.10	1.04	1.07	1.07	3.08	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	14.51	15.30	14.84	14.88	2.68	ppb
Zirconium	90-1	0.10	0.11	0.11	0.11	5.86	ppb
Zirconium	91-1	0.10	0.10	0.10	0.10	0.99	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BL	Instrumnet Name :	P7
Client Sample ID :	PB162951BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:58:57	DataFile Name :	053CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.08	-0.91	-0.69	-0.89		ppb
Antimony	121-1	0.02	0.03	0.03	0.03	17.65	ppb
Arsenic	75-2	-0.01	-0.01	-0.03	-0.01		ppb
Barium	135-1	-0.02	-0.02	-0.02	-0.02		ppb
Barium	137-1	-0.01	-0.01	-0.02	-0.02		ppb
Beryllium	9-1	0.01	0.03	0.01	0.02	53.17	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.07	0.04	-0.03		ppb
Cadmium	106-1	-0.73	-0.67	-0.49	-0.63		ppb
Cadmium	111-1	-0.07	-0.06	-0.05	-0.06		ppb
Calcium	43-1	-0.45	-1.65	-3.50	-1.87		ppb
Calcium	44-1	-7.29	-7.22	-7.78	-7.43		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.26	-0.25	-0.29	-0.27		ppb
Cobalt	59-2	-0.02	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.05	-0.03	-0.05	-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				104		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	-1.74	-1.14	-1.94	-1.60		ppb
Iron	57-2	-2.28	1.00	-0.67	-0.65		ppb
Iron	54-2	-1.24	-0.73	-1.74	-1.24		ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BL	Instrumnet Name :	P7
Client Sample ID :	PB162951BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:58:57	DataFile Name :	053CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.02	-0.03	-0.03	-0.03		ppb
Lead	207-1	-0.04	-0.03	-0.02	-0.03		ppb
Lead	208-1	-0.02	-0.03	-0.03	-0.03		ppb
Lithium	6-1				109		%
Magnesium	24-2	0.68	0.97	0.60	0.75	25.43	ppb
Manganese	55-2	-0.10	-0.01	-0.10	-0.07		ppb
Molybdenum	94-1	0.02	-0.01	-0.01	0.00		ppb
Molybdenum	95-1	-0.02	-0.01	-0.01	-0.02		ppb
Molybdenum	96-1	-0.02	-0.01	0.00	-0.01		ppb
Molybdenum	97-1	-0.03	-0.01	-0.01	-0.02		ppb
Molybdenum	98-1	-0.01	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.22	-0.20	-0.18	-0.20		ppb
Phosphorus	31-2	-20.52	-19.03	-13.94	-17.83		ppb
Potassium	39-2	-4.58	-0.18	-1.75	-2.17		ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	82-1	-0.27	0.28	0.25	0.08	364.58	ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	-1.05	0.09	-0.42	-0.46		ppb
Silicon	28-1	-0.28	-0.35	-0.31	-0.31		ppb
Silver	107-1	0.02	0.01	0.01	0.01	60.33	ppb
Silver	109-1	0.01	0.00	0.00	0.01	63.84	ppb
Sodium	23-2	36.18	36.80	34.75	35.91	2.92	ppb
Strontium	86-1	0.03	0.04	0.04	0.04	13.70	ppb
Strontium	88-1	0.02	0.01	0.01	0.01	41.43	ppb
Sulfur	34-1	-242.90	-224.00	-215.02	-227.31		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.00	0.00	0.00	0.00	1648.09	ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	-0.04	0.01	-0.01	-0.01		ppb
Titanium	47-1	0.02	0.01	-0.01	0.00	359.36	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BL	Instrumnet Name :	P7
Client Sample ID :	PB162951BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:58:57	DataFile Name :	053CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	70.64	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	-0.62	-0.63	-0.64	-0.63		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	107.93	ppb
Zirconium	91-1	0.00	0.01	0.01	0.01	64.54	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BS	Instrumnet Name :	P7
Client Sample ID :	PB162951BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:02:13	DataFile Name :	054LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9666.78	10175.48	10172.85	10005.04	2.93	ppb
Antimony	121-1	509.56	505.16	513.19	509.30	0.79	ppb
Arsenic	75-2	497.28	489.60	509.06	498.65	1.97	ppb
Barium	135-1	2566.78	2528.15	2501.92	2532.28	1.29	ppb
Barium	137-1	2536.57	2505.89	2536.80	2526.42	0.70	ppb
Beryllium	9-1	525.83	514.45	534.43	524.90	1.91	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	526.81	511.11	521.28	519.74	1.53	ppb
Cadmium	106-1	516.99	519.78	513.03	516.60	0.66	ppb
Cadmium	111-1	512.64	511.91	503.41	509.32	1.01	ppb
Calcium	43-1	59556.14	60781.91	60616.06	60318.04	1.10	ppb
Calcium	44-1	53743.65	56013.22	56180.44	55312.44	2.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.58	510.22	512.06	510.29	0.34	ppb
Cobalt	59-2	501.15	495.21	510.68	502.34	1.55	ppb
Copper	63-2	5091.90	5127.07	5224.74	5147.90	1.34	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				109		%
Holmium	165-2				109		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	26857.81	27009.54	26303.07	26723.47	1.39	ppb
Iron	57-2	27672.91	27959.67	28117.43	27916.67	0.81	ppb
Iron	54-2	26783.08	27284.75	27726.19	27264.68	1.73	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BS	Instrumnet Name :	P7
Client Sample ID :	PB162951BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:02:13	DataFile Name :	054LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2498.70	2513.05	2520.45	2510.73	0.44	ppb
Lead	207-1	2461.97	2439.53	2466.25	2455.92	0.58	ppb
Lead	208-1	2478.42	2472.79	2507.41	2486.21	0.75	ppb
Lithium	6-1				115		%
Magnesium	24-2	49972.25	50855.89	52679.50	51169.21	2.70	ppb
Manganese	55-2	4947.58	5051.37	5128.02	5042.33	1.80	ppb
Molybdenum	94-1	5316.66	5517.94	5444.94	5426.51	1.88	ppb
Molybdenum	95-1	5334.60	5617.75	5345.77	5432.70	2.95	ppb
Molybdenum	96-1	5385.30	5667.24	5478.11	5510.21	2.61	ppb
Molybdenum	97-1	5410.79	5722.27	5513.30	5548.79	2.86	ppb
Molybdenum	98-1	5317.03	5738.84	5442.77	5499.55	3.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	501.58	498.75	516.41	505.58	1.88	ppb
Phosphorus	31-2	9943.80	10128.31	10189.80	10087.30	1.27	ppb
Potassium	39-2	25994.33	25884.22	26272.44	26050.33	0.77	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	489.56	516.13	500.64	502.11	2.66	ppb
Selenium	77-2	506.42	497.27	499.05	500.91	0.97	ppb
Selenium	78-2	494.77	506.81	508.08	503.22	1.46	ppb
Silicon	28-1	505.67	515.35	506.92	509.31	1.03	ppb
Silver	107-1	521.75	508.03	514.38	514.72	1.33	ppb
Silver	109-1	524.60	521.45	531.22	525.75	0.95	ppb
Sodium	23-2	51633.78	52012.35	53802.02	52482.72	2.21	ppb
Strontium	86-1	12346.19	12878.99	12527.43	12584.20	2.15	ppb
Strontium	88-1	12273.76	12932.42	12369.29	12525.16	2.84	ppb
Sulfur	34-1	9921.61	10138.06	9821.74	9960.47	1.62	ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	500.65	505.49	494.93	500.35	1.06	ppb
Thallium	205-1	499.58	499.18	510.23	503.00	1.25	ppb
Tin	118-1	528.85	516.63	515.76	520.41	1.41	ppb
Titanium	47-1	5601.17	5672.25	5522.79	5598.74	1.34	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BS	Instrumnet Name :	P7
Client Sample ID :	PB162951BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:02:13	DataFile Name :	054LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	481.00	491.99	495.31	489.43	1.53	ppb
Vanadium	51-2	508.88	512.33	507.37	509.53	0.50	ppb
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	5084.27	5017.20	5087.01	5062.83	0.78	ppb
Zirconium	90-1	484.06	508.15	497.15	496.45	2.43	ppb
Zirconium	91-1	482.82	507.75	492.59	494.39	2.54	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:05:09	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51706.03	53086.53	51931.51	52241.36	1.42	ppb
Antimony	121-1	2.11	2.12	2.14	2.12	0.72	ppb
Arsenic	75-2	42.01	43.07	42.81	42.63	1.30	ppb
Barium	135-1	957.38	1030.86	992.28	993.51	3.70	ppb
Barium	137-1	985.76	1022.01	1001.72	1003.17	1.81	ppb
Beryllium	9-1	8.00	8.44	8.85	8.43	5.05	ppb
Bismuth	209-1				117		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.63	9.36	9.58	9.19	5.43	ppb
Cadmium	106-1	10.01	10.40	10.39	10.27	2.19	ppb
Cadmium	111-1	8.77	8.71	8.93	8.80	1.29	ppb
Calcium	43-1	9296.16	9514.06	9460.10	9423.44	1.20	ppb
Calcium	44-1	8613.26	8835.47	8811.56	8753.43	1.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132.54	131.47	134.09	132.70	0.99	ppb
Cobalt	59-2	37.15	37.63	38.14	37.64	1.31	ppb
Copper	63-2	222.14	224.19	223.94	223.43	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				117		%
Holmium	165-2				116		%
Indium	115-1				115		%
Indium	115-2				112		%
Iron	56-2	45402.90	45914.55	46729.99	46015.81	1.45	ppb
Iron	57-2	44545.09	45409.53	46333.32	45429.31	1.97	ppb
Iron	54-2	46619.75	46223.17	46590.12	46477.68	0.48	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:05:09	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	699.99	694.78	689.92	694.89	0.72	ppb
Lead	207-1	679.24	674.66	669.46	674.45	0.73	ppb
Lead	208-1	686.47	690.74	677.98	685.06	0.95	ppb
Lithium	6-1				122		%
Magnesium	24-2	6726.62	6746.49	6705.94	6726.35	0.30	ppb
Manganese	55-2	628.97	627.64	627.74	628.12	0.12	ppb
Molybdenum	94-1	18.18	18.08	18.17	18.15	0.30	ppb
Molybdenum	95-1	3.52	3.44	3.55	3.50	1.69	ppb
Molybdenum	96-1	5.46	5.34	5.43	5.41	1.14	ppb
Molybdenum	97-1	3.59	3.50	3.59	3.56	1.43	ppb
Molybdenum	98-1	3.49	3.44	3.52	3.49	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.08	101.96	101.85	101.96	0.11	ppb
Phosphorus	31-2	3505.23	3399.38	3485.79	3463.47	1.63	ppb
Potassium	39-2	2316.42	2323.10	2361.04	2333.52	1.03	ppb
Rhodium	103-1				115		%
Rhodium	103-2				112		%
Scandium	45-1				121		%
Scandium	45-2				114		%
Selenium	82-1	4.92	5.35	5.05	5.11	4.35	ppb
Selenium	77-2	25.01	24.89	23.98	24.63	2.29	ppb
Selenium	78-2	8.50	7.89	8.51	8.30	4.25	ppb
Silicon	28-1	419.02	422.90	416.61	419.51	0.76	ppb
Silver	107-1	984.06	1003.53	997.22	994.94	1.00	ppb
Silver	109-1	983.16	1012.02	1016.35	1003.84	1.80	ppb
Sodium	23-2	4325.10	4329.39	4333.98	4329.49	0.10	ppb
Strontium	86-1	72.84	72.51	72.72	72.69	0.23	ppb
Strontium	88-1	74.14	74.49	74.47	74.37	0.26	ppb
Sulfur	34-1	20166.40	20670.66	20885.45	20574.17	1.79	ppb
Terbium	159-1				116		%
Terbium	159-2				115		%
Thallium	203-1	0.92	0.89	0.90	0.91	1.61	ppb
Thallium	205-1	0.89	0.89	0.88	0.89	0.58	ppb
Tin	118-1	3.36	3.49	3.48	3.44	2.05	ppb
Titanium	47-1	879.55	879.90	888.74	882.73	0.59	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:05:09	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.87	4.91	4.84	4.87	0.71	ppb
Vanadium	51-2	163.35	165.26	165.36	164.66	0.69	ppb
Yttrium	89-1				131		%
Yttrium	89-2				127		%
Zinc	66-2	1087.20	1085.17	1102.72	1091.69	0.88	ppb
Zirconium	90-1	7.96	7.87	8.04	7.96	1.09	ppb
Zirconium	91-1	7.93	7.93	7.99	7.95	0.39	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:08:10	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10633.17	10726.93	10483.42	10614.51	1.16	ppb
Antimony	121-1	0.46	0.46	0.50	0.47	4.71	ppb
Arsenic	75-2	9.14	8.72	8.74	8.87	2.72	ppb
Barium	135-1	186.89	187.67	186.37	186.98	0.35	ppb
Barium	137-1	189.55	188.81	191.28	189.88	0.67	ppb
Beryllium	9-1	1.77	1.85	1.78	1.80	2.41	ppb
Bismuth	209-1				109		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.74	1.91	2.28	1.97	13.84	ppb
Cadmium	106-1	0.67	1.23	0.30	0.74	63.54	ppb
Cadmium	111-1	1.52	1.71	1.64	1.62	5.90	ppb
Calcium	43-1	1890.05	1878.46	1906.73	1891.75	0.75	ppb
Calcium	44-1	1884.35	1935.00	1899.58	1906.31	1.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26.35	26.95	25.83	26.38	2.13	ppb
Cobalt	59-2	7.68	7.55	7.50	7.58	1.24	ppb
Copper	63-2	45.37	45.29	44.79	45.15	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				106		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	9372.08	9401.66	9275.10	9349.61	0.71	ppb
Iron	57-2	9734.83	9729.95	9577.91	9680.90	0.92	ppb
Iron	54-2	9814.59	9815.96	9625.59	9752.05	1.12	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:08:10	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	121.60	121.09	122.34	121.68	0.52	ppb
Lead	207-1	115.25	115.40	119.25	116.63	1.94	ppb
Lead	208-1	118.11	118.12	120.54	118.92	1.18	ppb
Lithium	6-1				109		%
Magnesium	24-2	1423.80	1429.02	1413.42	1422.08	0.56	ppb
Manganese	55-2	127.76	127.26	125.88	126.97	0.77	ppb
Molybdenum	94-1	3.93	4.22	4.00	4.05	3.76	ppb
Molybdenum	95-1	0.83	0.79	0.78	0.80	3.84	ppb
Molybdenum	96-1	1.15	1.26	1.25	1.22	5.08	ppb
Molybdenum	97-1	0.77	0.77	0.74	0.76	2.03	ppb
Molybdenum	98-1	0.75	0.79	0.74	0.76	3.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	20.40	20.52	20.22	20.38	0.74	ppb
Phosphorus	31-2	681.54	647.17	670.30	666.34	2.63	ppb
Potassium	39-2	463.40	461.51	453.14	459.35	1.19	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	1.38	1.33	1.64	1.45	11.72	ppb
Selenium	77-2	5.13	6.05	5.90	5.69	8.72	ppb
Selenium	78-2	1.20	2.69	1.94	1.94	38.45	ppb
Silicon	28-1	83.20	93.22	84.53	86.98	6.26	ppb
Silver	107-1	202.17	203.31	201.31	202.26	0.50	ppb
Silver	109-1	195.03	195.18	196.68	195.63	0.47	ppb
Sodium	23-2	943.32	931.72	922.55	932.53	1.12	ppb
Strontium	86-1	15.76	16.29	15.85	15.97	1.80	ppb
Strontium	88-1	15.73	16.02	16.04	15.93	1.07	ppb
Sulfur	34-1	2849.92	3125.82	3030.08	3001.94	4.67	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	0.17	0.16	0.17	0.17	2.62	ppb
Thallium	205-1	0.17	0.17	0.17	0.17	0.86	ppb
Tin	118-1	0.66	0.68	0.67	0.67	1.43	ppb
Titanium	47-1	175.15	180.96	175.94	177.35	1.78	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:08:10	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.92	0.90	0.97	0.93	3.60	ppb
Vanadium	51-2	32.97	32.63	32.98	32.86	0.60	ppb
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	215.07	215.68	214.76	215.17	0.22	ppb
Zirconium	90-1	1.72	1.79	1.77	1.76	1.95	ppb
Zirconium	91-1	1.72	1.86	1.82	1.80	4.05	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:11:26	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56061.39	56779.55	56288.19	56376.38	0.65	ppb
Antimony	121-1	0.20	0.18	0.21	0.20	7.29	ppb
Arsenic	75-2	3.18	3.04	3.13	3.12	2.22	ppb
Barium	135-1	223.19	230.84	235.91	229.98	2.78	ppb
Barium	137-1	233.22	230.68	238.70	234.20	1.75	ppb
Beryllium	9-1	2.03	2.00	2.14	2.06	3.64	ppb
Bismuth	209-1				112		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.83	0.69	0.90	0.81	13.05	ppb
Cadmium	106-1	2.35	0.94	0.90	1.40	59.05	ppb
Cadmium	111-1	0.44	0.31	0.30	0.35	22.28	ppb
Calcium	43-1	3534.90	3469.07	3580.68	3528.22	1.59	ppb
Calcium	44-1	3461.74	3486.33	3541.00	3496.35	1.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	91.41	89.99	92.61	91.34	1.44	ppb
Cobalt	59-2	15.97	15.74	15.90	15.87	0.72	ppb
Copper	63-2	58.88	57.88	59.02	58.59	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				113		%
Holmium	165-2				114		%
Indium	115-1				112		%
Indium	115-2				110		%
Iron	56-2	36460.65	36373.99	36656.10	36496.91	0.40	ppb
Iron	57-2	36787.96	36266.77	36586.10	36546.94	0.72	ppb
Iron	54-2	36685.15	36923.96	37232.80	36947.30	0.74	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:11:26	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	79.99	82.34	85.69	82.67	3.47	ppb
Lead	207-1	75.75	76.29	80.13	77.39	3.09	ppb
Lead	208-1	78.14	80.18	82.04	80.12	2.43	ppb
Lithium	6-1				114		%
Magnesium	24-2	10026.31	10014.21	9909.99	9983.50	0.64	ppb
Manganese	55-2	421.35	422.21	427.99	423.85	0.85	ppb
Molybdenum	94-1	18.22	19.05	19.41	18.89	3.23	ppb
Molybdenum	95-1	0.80	0.81	0.86	0.82	4.10	ppb
Molybdenum	96-1	2.96	2.98	3.20	3.05	4.32	ppb
Molybdenum	97-1	0.81	0.90	0.82	0.84	5.55	ppb
Molybdenum	98-1	0.80	0.83	0.85	0.83	3.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.94	56.91	58.07	56.97	1.87	ppb
Phosphorus	31-2	1063.68	1126.45	1111.16	1100.43	2.97	ppb
Potassium	39-2	2452.39	2439.51	2468.43	2453.44	0.59	ppb
Rhodium	103-1				110		%
Rhodium	103-2				109		%
Scandium	45-1				117		%
Scandium	45-2				112		%
Selenium	82-1	2.39	1.78	2.75	2.31	21.27	ppb
Selenium	77-2	18.64	17.82	17.72	18.06	2.81	ppb
Selenium	78-2	4.00	3.32	6.72	4.68	38.35	ppb
Silicon	28-1	512.69	504.42	516.38	511.16	1.20	ppb
Silver	107-1	11.24	11.53	11.71	11.49	2.04	ppb
Silver	109-1	11.44	11.31	11.58	11.44	1.15	ppb
Sodium	23-2	2172.53	2149.66	2162.67	2161.62	0.53	ppb
Strontium	86-1	26.80	26.48	28.63	27.30	4.24	ppb
Strontium	88-1	26.63	27.08	28.21	27.31	2.97	ppb
Sulfur	34-1	-645.72	-802.24	-539.87	-662.61		ppb
Terbium	159-1				112		%
Terbium	159-2				110		%
Thallium	203-1	0.45	0.47	0.47	0.46	1.84	ppb
Thallium	205-1	0.45	0.46	0.47	0.46	2.74	ppb
Tin	118-1	20.96	21.34	22.00	21.43	2.45	ppb
Titanium	47-1	765.72	762.41	819.31	782.48	4.08	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:11:26	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.39	2.41	2.43	2.41	0.85	ppb
Vanadium	51-2	52.89	52.69	53.04	52.87	0.33	ppb
Yttrium	89-1				119		%
Yttrium	89-2				118		%
Zinc	66-2	209.36	212.60	215.16	212.37	1.37	ppb
Zirconium	90-1	9.18	9.38	9.94	9.50	4.14	ppb
Zirconium	91-1	8.90	9.25	9.93	9.36	5.61	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:14:37	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11596.76	11235.98	11084.69	11305.81	2.33	ppb
Antimony	121-1	0.05	0.05	0.07	0.06	18.02	ppb
Arsenic	75-2	0.63	0.64	0.51	0.59	12.29	ppb
Barium	135-1	44.28	46.40	45.75	45.48	2.38	ppb
Barium	137-1	44.99	46.39	46.23	45.87	1.68	ppb
Beryllium	9-1	0.44	0.40	0.33	0.39	14.11	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.18	0.30	0.13	0.20	43.72	ppb
Cadmium	106-1	0.06	-1.25	-2.80	-1.33		ppb
Cadmium	111-1	0.03	-0.04	-0.15	-0.05		ppb
Calcium	43-1	677.08	706.17	687.48	690.24	2.14	ppb
Calcium	44-1	691.39	729.30	714.36	711.69	2.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.12	18.15	17.93	18.07	0.65	ppb
Cobalt	59-2	3.26	3.08	3.24	3.19	3.00	ppb
Copper	63-2	11.87	11.79	11.87	11.85	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				106		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	56-2	7330.93	7384.88	7403.00	7372.94	0.51	ppb
Iron	57-2	7623.18	7705.68	7711.97	7680.28	0.65	ppb
Iron	54-2	7802.39	7827.53	7802.98	7810.97	0.18	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:14:37	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	15.79	15.64	15.31	15.58	1.58	ppb
Lead	207-1	14.75	14.26	14.27	14.43	1.94	ppb
Lead	208-1	15.29	15.15	14.98	15.14	1.05	ppb
Lithium	6-1				109		%
Magnesium	24-2	2110.60	2079.77	2101.84	2097.40	0.76	ppb
Manganese	55-2	85.63	85.88	85.66	85.72	0.16	ppb
Molybdenum	94-1	3.70	3.78	3.67	3.72	1.62	ppb
Molybdenum	95-1	0.16	0.17	0.16	0.17	1.84	ppb
Molybdenum	96-1	0.62	0.58	0.62	0.61	3.35	ppb
Molybdenum	97-1	0.16	0.15	0.16	0.16	3.70	ppb
Molybdenum	98-1	0.13	0.15	0.18	0.15	16.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.43	11.63	11.25	11.44	1.64	ppb
Phosphorus	31-2	208.45	196.37	207.62	204.15	3.31	ppb
Potassium	39-2	487.21	483.37	483.91	484.83	0.43	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	0.83	0.97	0.58	0.80	24.71	ppb
Selenium	77-2	4.10	2.76	1.94	2.93	37.24	ppb
Selenium	78-2	0.30	0.56	0.96	0.61	55.35	ppb
Silicon	28-1	100.50	105.14	106.43	104.02	3.00	ppb
Silver	107-1	2.19	2.36	2.45	2.34	5.52	ppb
Silver	109-1	2.19	2.32	2.25	2.25	2.83	ppb
Sodium	23-2	448.72	441.11	433.97	441.27	1.67	ppb
Strontium	86-1	5.50	5.48	5.43	5.47	0.59	ppb
Strontium	88-1	5.57	5.43	5.59	5.53	1.52	ppb
Sulfur	34-1	-1949.08	-1717.36	-1801.55	-1822.66		ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.08	0.09	0.09	0.09	4.34	ppb
Thallium	205-1	0.09	0.09	0.09	0.09	0.63	ppb
Tin	118-1	3.98	4.31	4.20	4.16	4.02	ppb
Titanium	47-1	150.57	159.80	156.76	155.71	3.02	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:14:37	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.45	0.43	0.44	0.44	2.69	ppb
Vanadium	51-2	10.66	10.61	10.51	10.59	0.70	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	41.88	42.21	42.08	42.06	0.39	ppb
Zirconium	90-1	1.85	1.87	1.95	1.89	2.85	ppb
Zirconium	91-1	1.89	1.82	1.89	1.86	2.15	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:17:53	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37391.83	37336.56	37225.79	37318.06	0.23	ppb
Antimony	121-1	1.65	1.69	1.72	1.69	1.84	ppb
Arsenic	75-2	84.37	84.45	83.94	84.25	0.32	ppb
Barium	135-1	728.35	735.93	750.69	738.32	1.54	ppb
Barium	137-1	776.44	774.78	783.14	778.12	0.57	ppb
Beryllium	9-1	7.02	7.35	7.35	7.24	2.60	ppb
Bismuth	209-1				115		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.34	6.02	6.08	6.15	2.81	ppb
Cadmium	106-1	7.03	8.32	6.92	7.42	10.55	ppb
Cadmium	111-1	6.04	6.39	6.27	6.24	2.83	ppb
Calcium	43-1	7157.72	7533.00	7468.78	7386.50	2.72	ppb
Calcium	44-1	6861.78	7105.45	7112.43	7026.55	2.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	99.92	101.58	99.80	100.44	0.99	ppb
Cobalt	59-2	18.84	18.84	18.68	18.79	0.47	ppb
Copper	63-2	124.25	125.85	122.93	124.34	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				115		%
Indium	115-1				113		%
Indium	115-2				111		%
Iron	56-2	71888.81	72849.43	71384.34	72040.86	1.03	ppb
Iron	57-2	70411.43	69935.53	71492.34	70613.10	1.13	ppb
Iron	54-2	71107.76	71531.48	71926.35	71521.86	0.57	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:17:53	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	303.14	311.02	314.76	309.64	1.92	ppb
Lead	207-1	289.90	296.32	298.97	295.06	1.58	ppb
Lead	208-1	318.24	321.15	323.12	320.83	0.76	ppb
Lithium	6-1				114		%
Magnesium	24-2	4501.00	4590.91	4514.35	4535.42	1.07	ppb
Manganese	55-2	395.01	395.68	396.04	395.58	0.13	ppb
Molybdenum	94-1	16.82	17.06	17.46	17.11	1.89	ppb
Molybdenum	95-1	3.45	3.57	3.45	3.49	2.01	ppb
Molybdenum	96-1	5.48	5.57	5.65	5.57	1.59	ppb
Molybdenum	97-1	3.54	3.67	3.71	3.64	2.40	ppb
Molybdenum	98-1	3.46	3.57	3.63	3.55	2.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	63.80	64.71	63.86	64.12	0.79	ppb
Phosphorus	31-2	2890.80	2983.38	2997.28	2957.15	1.96	ppb
Potassium	39-2	1738.27	1765.20	1754.34	1752.60	0.77	ppb
Rhodium	103-1				113		%
Rhodium	103-2				111		%
Scandium	45-1				120		%
Scandium	45-2				114		%
Selenium	82-1	2.74	3.32	3.20	3.09	9.87	ppb
Selenium	77-2	19.42	24.89	24.74	23.02	13.54	ppb
Selenium	78-2	5.83	7.37	7.98	7.06	15.72	ppb
Silicon	28-1	495.09	524.42	509.08	509.53	2.88	ppb
Silver	107-1	7.47	7.86	8.07	7.80	3.94	ppb
Silver	109-1	7.60	7.78	7.95	7.78	2.25	ppb
Sodium	23-2	1638.20	1654.59	1628.94	1640.58	0.79	ppb
Strontium	86-1	80.81	82.73	83.54	82.36	1.70	ppb
Strontium	88-1	81.72	84.34	84.41	83.49	1.84	ppb
Sulfur	34-1	13413.67	14291.78	13944.32	13883.26	3.19	ppb
Terbium	159-1				113		%
Terbium	159-2				114		%
Thallium	203-1	0.50	0.49	0.53	0.51	4.46	ppb
Thallium	205-1	0.51	0.53	0.54	0.53	2.51	ppb
Tin	118-1	5.70	5.72	5.92	5.78	2.07	ppb
Titanium	47-1	698.90	724.96	716.57	713.48	1.86	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:17:53	DataFile Name :	059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.20	4.26	4.30	4.25	1.22	ppb
Vanadium	51-2	243.61	245.39	245.02	244.67	0.38	ppb
Yttrium	89-1				131		%
Yttrium	89-2				128		%
Zinc	66-2	997.18	1008.27	985.79	997.08	1.13	ppb
Zirconium	90-1	7.20	7.45	7.45	7.37	1.94	ppb
Zirconium	91-1	7.10	7.33	7.60	7.34	3.44	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:21:03	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7731.61	7737.74	7673.94	7714.43	0.46	ppb
Antimony	121-1	0.33	0.33	0.35	0.34	3.96	ppb
Arsenic	75-2	18.04	18.34	18.29	18.23	0.88	ppb
Barium	135-1	148.78	144.52	145.34	146.21	1.55	ppb
Barium	137-1	147.08	147.45	148.26	147.59	0.41	ppb
Beryllium	9-1	1.45	1.36	1.33	1.38	4.49	ppb
Bismuth	209-1				109		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.04	1.48	1.22	1.25	17.99	ppb
Cadmium	106-1	0.93	1.08	0.72	0.91	20.18	ppb
Cadmium	111-1	1.23	1.10	1.12	1.15	6.10	ppb
Calcium	43-1	1461.48	1492.48	1525.33	1493.10	2.14	ppb
Calcium	44-1	1496.10	1504.86	1512.96	1504.64	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.27	20.14	20.12	20.18	0.39	ppb
Cobalt	59-2	3.82	3.86	3.84	3.84	0.56	ppb
Copper	63-2	25.09	25.01	25.54	25.21	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				106		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	14422.55	14786.54	14627.61	14612.23	1.25	ppb
Iron	57-2	14928.25	15231.55	15197.96	15119.25	1.10	ppb
Iron	54-2	14678.76	14620.89	14849.92	14716.52	0.81	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:21:03	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	57.49	59.76	60.70	59.32	2.78	ppb
Lead	207-1	55.01	58.70	57.90	57.20	3.40	ppb
Lead	208-1	56.62	59.05	59.58	58.42	2.71	ppb
Lithium	6-1				107		%
Magnesium	24-2	914.31	915.36	912.41	914.03	0.16	ppb
Manganese	55-2	79.44	80.67	79.94	80.02	0.77	ppb
Molybdenum	94-1	3.71	3.60	3.70	3.67	1.65	ppb
Molybdenum	95-1	0.73	0.74	0.75	0.74	1.64	ppb
Molybdenum	96-1	1.20	1.17	1.25	1.21	3.07	ppb
Molybdenum	97-1	0.77	0.73	0.77	0.76	2.68	ppb
Molybdenum	98-1	0.71	0.77	0.75	0.74	4.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.32	13.44	12.88	13.22	2.25	ppb
Phosphorus	31-2	575.19	561.79	564.90	567.29	1.24	ppb
Potassium	39-2	343.98	349.83	353.42	349.07	1.36	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	1.22	0.78	1.62	1.21	34.86	ppb
Selenium	77-2	5.97	3.64	8.85	6.16	42.39	ppb
Selenium	78-2	1.65	1.96	2.96	2.19	31.39	ppb
Silicon	28-1	102.94	102.11	103.11	102.72	0.52	ppb
Silver	107-1	1.60	1.54	1.59	1.58	2.02	ppb
Silver	109-1	1.54	1.55	1.55	1.55	0.16	ppb
Sodium	23-2	336.54	344.55	336.59	339.23	1.36	ppb
Strontium	86-1	17.01	18.08	17.90	17.66	3.23	ppb
Strontium	88-1	17.55	17.80	18.33	17.90	2.23	ppb
Sulfur	34-1	919.14	1053.82	982.12	985.03	6.84	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	0.09	0.09	0.10	0.09	6.45	ppb
Thallium	205-1	0.09	0.10	0.09	0.09	8.16	ppb
Tin	118-1	1.07	1.05	1.10	1.07	2.36	ppb
Titanium	47-1	140.62	146.24	143.95	143.60	1.97	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:21:03	DataFile Name :	060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.82	0.85	0.82	3.22	ppb
Vanadium	51-2	49.54	49.54	49.47	49.52	0.08	ppb
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	199.62	200.52	201.97	200.70	0.59	ppb
Zirconium	90-1	1.58	1.62	1.63	1.61	1.51	ppb
Zirconium	91-1	1.57	1.66	1.61	1.61	2.75	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:24:19	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4186.35	4199.21	4091.97	4159.18	1.41	ppb
Antimony	121-1	0.22	0.20	0.23	0.22	8.54	ppb
Arsenic	75-2	34.26	32.49	35.88	34.21	4.96	ppb
Barium	135-1	195.11	199.01	198.31	197.47	1.05	ppb
Barium	137-1	196.39	198.15	198.85	197.80	0.64	ppb
Beryllium	9-1	1.47	1.34	1.39	1.40	4.89	ppb
Bismuth	209-1				110		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.96	0.94	0.97	0.96	1.44	ppb
Cadmium	106-1	0.22	-0.28	-1.05	-0.37		ppb
Cadmium	111-1	0.92	0.98	0.89	0.93	5.33	ppb
Calcium	43-1	1115.09	1170.01	1207.91	1164.34	4.01	ppb
Calcium	44-1	1154.96	1192.66	1236.12	1194.58	3.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11.19	10.96	10.83	10.99	1.68	ppb
Cobalt	59-2	7.74	7.96	7.82	7.84	1.43	ppb
Copper	63-2	16.88	17.28	16.13	16.77	3.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	11399.60	11249.00	11135.94	11261.51	1.17	ppb
Iron	57-2	11714.55	11860.97	11559.92	11711.81	1.29	ppb
Iron	54-2	11874.66	11888.04	11676.03	11812.91	1.01	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:24:19	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	50.85	50.83	50.46	50.71	0.44	ppb
Lead	207-1	47.81	47.38	47.54	47.58	0.46	ppb
Lead	208-1	48.70	48.73	48.69	48.71	0.04	ppb
Lithium	6-1				106		%
Magnesium	24-2	666.57	667.29	655.95	663.27	0.96	ppb
Manganese	55-2	68.46	68.73	66.91	68.03	1.44	ppb
Molybdenum	94-1	2.23	2.33	2.31	2.29	2.25	ppb
Molybdenum	95-1	0.63	0.60	0.67	0.63	5.26	ppb
Molybdenum	96-1	0.98	0.87	0.91	0.92	5.82	ppb
Molybdenum	97-1	0.65	0.62	0.63	0.64	2.34	ppb
Molybdenum	98-1	0.65	0.63	0.63	0.64	2.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.57	11.33	11.70	11.53	1.61	ppb
Phosphorus	31-2	287.88	274.76	265.78	276.14	4.02	ppb
Potassium	39-2	266.95	275.86	266.92	269.91	1.91	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	82-1	1.07	0.34	1.11	0.84	51.60	ppb
Selenium	77-2	0.57	4.33	2.36	2.42	77.58	ppb
Selenium	78-2	-0.51	0.30	-1.14	-0.45		ppb
Silicon	28-1	61.08	63.14	65.61	63.28	3.58	ppb
Silver	107-1	0.95	0.96	1.00	0.97	2.54	ppb
Silver	109-1	0.91	0.97	0.97	0.95	3.76	ppb
Sodium	23-2	211.99	214.02	211.36	212.46	0.65	ppb
Strontium	86-1	16.15	15.98	16.13	16.09	0.57	ppb
Strontium	88-1	16.25	15.98	16.22	16.15	0.94	ppb
Sulfur	34-1	1596.82	1608.09	1931.88	1712.26	11.11	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.16	0.18	0.16	0.17	4.71	ppb
Thallium	205-1	0.16	0.17	0.16	0.16	3.96	ppb
Tin	118-1	0.58	0.63	0.67	0.63	7.14	ppb
Titanium	47-1	75.39	76.94	79.07	77.13	2.39	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:24:19	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.40	0.40	0.42	0.40	3.00	ppb
Vanadium	51-2	15.52	15.61	15.20	15.44	1.40	ppb
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	113.46	115.48	114.20	114.38	0.89	ppb
Zirconium	90-1	0.95	0.94	0.92	0.94	1.72	ppb
Zirconium	91-1	0.88	0.90	0.90	0.90	1.15	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:27:33	DataFile Name :	062CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50475.97	49551.68	49945.49	49991.05	0.93	ppb
Antimony	121-1	508.84	507.24	522.13	512.74	1.59	ppb
Arsenic	75-2	494.28	494.33	493.35	493.99	0.11	ppb
Barium	135-1	2503.34	2438.28	2513.04	2484.89	1.64	ppb
Barium	137-1	2503.67	2519.04	2536.25	2519.65	0.65	ppb
Beryllium	9-1	516.30	510.02	537.57	521.30	2.77	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	499.24	494.33	507.58	500.38	1.34	ppb
Cadmium	106-1	499.68	488.51	508.21	498.80	1.98	ppb
Cadmium	111-1	489.12	479.83	497.49	488.81	1.81	ppb
Calcium	43-1	257070.75	259869.49	257329.79	258090.01	0.60	ppb
Calcium	44-1	248360.01	258320.84	253871.39	253517.41	1.97	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	495.74	486.12	484.85	488.90	1.22	ppb
Cobalt	59-2	499.96	470.08	478.53	482.86	3.19	ppb
Copper	63-2	4924.30	4761.03	4854.47	4846.60	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				107		%
Holmium	165-2				107		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	130221.91	128037.03	129271.46	129176.80	0.85	ppb
Iron	57-2	128968.78	125630.25	126933.64	127177.56	1.32	ppb
Iron	54-2	131423.10	125821.97	126272.28	127839.11	2.43	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:27:33	DataFile Name :	062CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2438.66	2483.48	2495.72	2472.62	1.21	ppb
Lead	207-1	2405.52	2478.74	2394.78	2426.34	1.88	ppb
Lead	208-1	2411.71	2489.92	2439.08	2446.90	1.62	ppb
Lithium	6-1				108		%
Magnesium	24-2	254961.73	245125.25	250151.10	250079.36	1.97	ppb
Manganese	55-2	4836.03	4756.83	4823.68	4805.51	0.89	ppb
Molybdenum	94-1	5287.38	5436.86	5581.51	5435.25	2.71	ppb
Molybdenum	95-1	5268.99	5432.71	5462.24	5387.98	1.93	ppb
Molybdenum	96-1	5240.90	5377.75	5540.12	5386.26	2.78	ppb
Molybdenum	97-1	5338.07	5463.71	5591.57	5464.45	2.32	ppb
Molybdenum	98-1	5239.81	5461.47	5629.12	5443.47	3.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.24	465.89	469.99	472.37	1.68	ppb
Phosphorus	31-2	9792.12	9648.69	9624.14	9688.32	0.94	ppb
Potassium	39-2	126761.48	122965.00	125401.23	125042.57	1.54	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				106		%
Scandium	45-2				100		%
Selenium	82-1	476.01	486.88	502.90	488.60	2.77	ppb
Selenium	77-2	462.05	485.19	485.85	477.69	2.84	ppb
Selenium	78-2	496.74	498.45	490.31	495.17	0.87	ppb
Silicon	28-1	489.91	502.86	506.45	499.74	1.74	ppb
Silver	107-1	491.73	489.24	504.32	495.10	1.63	ppb
Silver	109-1	498.66	490.97	500.34	496.66	1.01	ppb
Sodium	23-2	257316.33	249673.45	254313.64	253767.81	1.52	ppb
Strontium	86-1	12153.73	12377.16	12717.56	12416.15	2.29	ppb
Strontium	88-1	11937.34	12190.51	12426.05	12184.63	2.01	ppb
Sulfur	34-1	8826.28	9112.76	9080.11	9006.39	1.74	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	490.92	502.04	510.58	501.18	1.97	ppb
Thallium	205-1	487.38	488.10	498.47	491.32	1.26	ppb
Tin	118-1	489.06	496.22	505.80	497.03	1.69	ppb
Titanium	47-1	5340.48	5354.85	5395.13	5363.49	0.53	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:27:33	DataFile Name :	062CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	491.09	500.13	482.92	491.38	1.75	ppb
Vanadium	51-2	502.53	491.00	491.33	494.95	1.33	ppb
Yttrium	89-1				105		%
Yttrium	89-2				100		%
Zinc	66-2	4918.08	4759.55	4813.45	4830.36	1.67	ppb
Zirconium	90-1	486.24	500.29	498.98	495.17	1.57	ppb
Zirconium	91-1	482.15	493.57	500.05	491.92	1.84	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:33:46	DataFile Name :	063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.26	-0.31	-0.14	-0.24		ppb
Antimony	121-1	0.12	0.15	0.17	0.15	15.95	ppb
Arsenic	75-2	0.01	-0.02	0.02	0.01	394.65	ppb
Barium	135-1	0.00	0.00	0.00	0.00	150.83	ppb
Barium	137-1	0.01	0.02	0.02	0.02	43.66	ppb
Beryllium	9-1	0.05	0.04	0.02	0.04	43.99	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	-0.07	0.02	-0.04		ppb
Cadmium	106-1	-2.00	-2.92	-2.77	-2.57		ppb
Cadmium	111-1	-0.13	-0.21	-0.20	-0.18		ppb
Calcium	43-1	-2.63	-4.93	-3.11	-3.56		ppb
Calcium	44-1	-4.76	-6.93	-8.25	-6.64		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.23	-0.24	-0.24	-0.24		ppb
Cobalt	59-2	-0.01	-0.01	0.00	-0.01		ppb
Copper	63-2	0.05	0.07	0.09	0.07	27.79	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				104		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	0.30	0.74	0.82	0.62	45.50	ppb
Iron	57-2	-3.13	0.54	2.99	0.14	2271.48	ppb
Iron	54-2	0.92	0.47	-0.67	0.24	339.47	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:33:46	DataFile Name :	063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.03	0.02	0.02	35.05	ppb
Lead	207-1	0.02	0.02	0.01	0.02	26.45	ppb
Lead	208-1	0.03	0.01	0.01	0.02	40.35	ppb
Lithium	6-1				107		%
Magnesium	24-2	5.50	4.42	5.95	5.29	14.83	ppb
Manganese	55-2	-0.04	-0.06	-0.03	-0.04		ppb
Molybdenum	94-1	0.16	0.10	0.11	0.12	24.55	ppb
Molybdenum	95-1	0.10	0.09	0.11	0.10	10.95	ppb
Molybdenum	96-1	0.12	0.10	0.09	0.10	16.34	ppb
Molybdenum	97-1	0.08	0.09	0.07	0.08	9.62	ppb
Molybdenum	98-1	0.11	0.11	0.11	0.11	1.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.15	-0.17	-0.23	-0.18		ppb
Phosphorus	31-2	-17.82	-15.43	-18.05	-17.10		ppb
Potassium	39-2	-3.79	-7.02	-5.68	-5.50		ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	0.05	1.15	0.65	0.61	89.64	ppb
Selenium	77-2	-0.13	0.23	-0.13	-0.01		ppb
Selenium	78-2	0.44	-0.38	0.51	0.19	261.43	ppb
Silicon	28-1	-0.56	-0.47	-0.60	-0.55		ppb
Silver	107-1	0.02	0.02	0.02	0.02	7.49	ppb
Silver	109-1	0.03	0.02	0.03	0.03	11.79	ppb
Sodium	23-2	28.71	27.97	28.42	28.37	1.32	ppb
Strontium	86-1	0.19	0.21	0.21	0.20	6.69	ppb
Strontium	88-1	0.20	0.16	0.16	0.17	13.81	ppb
Sulfur	34-1	-565.32	-577.14	-725.80	-622.75		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.01	0.01	35.92	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	19.10	ppb
Tin	118-1	0.01	0.02	0.05	0.03	90.26	ppb
Titanium	47-1	0.08	0.06	0.12	0.08	35.86	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:33:46	DataFile Name :	063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	12.76	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	13.78	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	-0.53	-0.66	-0.58	-0.59		ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	17.53	ppb
Zirconium	91-1	0.02	0.02	0.03	0.03	27.79	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:37:12	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20272.45	20422.34	20365.26	20353.35	0.37	ppb
Antimony	121-1	1.04	1.01	1.06	1.04	2.32	ppb
Arsenic	75-2	154.36	158.18	154.49	155.68	1.40	ppb
Barium	135-1	1034.11	1033.33	1070.29	1045.91	2.02	ppb
Barium	137-1	1038.06	1058.92	1056.43	1051.13	1.08	ppb
Beryllium	9-1	7.17	7.36	7.38	7.30	1.55	ppb
Bismuth	209-1				115		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.33	4.71	5.71	5.25	9.64	ppb
Cadmium	106-1	4.46	4.42	5.56	4.81	13.42	ppb
Cadmium	111-1	4.66	4.95	4.90	4.84	3.22	ppb
Calcium	43-1	5974.75	6172.16	6142.72	6096.54	1.75	ppb
Calcium	44-1	5863.90	5779.97	5808.53	5817.47	0.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	56.27	56.10	56.70	56.36	0.55	ppb
Cobalt	59-2	38.73	39.14	38.66	38.85	0.66	ppb
Copper	63-2	83.26	82.62	83.48	83.12	0.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				113		%
Indium	115-1				112		%
Indium	115-2				108		%
Iron	56-2	55564.05	57200.96	55992.21	56252.41	1.51	ppb
Iron	57-2	56244.64	55234.93	56571.56	56017.04	1.24	ppb
Iron	54-2	56365.83	56146.34	56330.43	56280.86	0.21	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:37:12	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	260.53	260.12	264.04	261.57	0.82	ppb
Lead	207-1	246.82	245.82	249.36	247.33	0.74	ppb
Lead	208-1	268.99	268.38	271.03	269.47	0.51	ppb
Lithium	6-1				113		%
Magnesium	24-2	3302.70	3343.62	3357.06	3334.46	0.85	ppb
Manganese	55-2	336.22	341.95	337.68	338.62	0.88	ppb
Molybdenum	94-1	11.20	11.38	11.57	11.38	1.64	ppb
Molybdenum	95-1	3.21	3.14	3.19	3.18	1.26	ppb
Molybdenum	96-1	4.39	4.45	4.62	4.49	2.70	ppb
Molybdenum	97-1	3.10	3.32	3.27	3.23	3.54	ppb
Molybdenum	98-1	3.14	3.16	3.21	3.17	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	58.56	57.49	58.29	58.11	0.95	ppb
Phosphorus	31-2	1507.91	1521.92	1537.72	1522.52	0.98	ppb
Potassium	39-2	1396.35	1406.16	1396.46	1399.66	0.40	ppb
Rhodium	103-1				111		%
Rhodium	103-2				110		%
Scandium	45-1				116		%
Scandium	45-2				112		%
Selenium	82-1	1.55	2.07	1.82	1.82	14.39	ppb
Selenium	77-2	16.90	12.81	15.52	15.08	13.79	ppb
Selenium	78-2	2.78	2.68	3.89	3.12	21.63	ppb
Silicon	28-1	320.12	330.72	323.36	324.73	1.67	ppb
Silver	107-1	4.69	4.68	4.89	4.75	2.47	ppb
Silver	109-1	4.56	4.64	4.88	4.69	3.58	ppb
Sodium	23-2	1067.43	1058.00	1061.79	1062.41	0.45	ppb
Strontium	86-1	75.86	77.43	78.27	77.19	1.59	ppb
Strontium	88-1	77.10	78.23	79.19	78.17	1.34	ppb
Sulfur	34-1	19125.29	19388.31	19284.55	19266.05	0.69	ppb
Terbium	159-1				114		%
Terbium	159-2				111		%
Thallium	203-1	0.85	0.87	0.93	0.89	4.69	ppb
Thallium	205-1	0.88	0.89	0.90	0.89	1.12	ppb
Tin	118-1	3.57	3.56	3.75	3.63	2.99	ppb
Titanium	47-1	399.19	399.40	401.00	399.86	0.25	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:37:12	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.12	2.18	2.15	2.15	1.37	ppb
Vanadium	51-2	77.44	77.87	77.04	77.45	0.54	ppb
Yttrium	89-1				126		%
Yttrium	89-2				121		%
Zinc	66-2	574.07	581.86	575.78	577.23	0.71	ppb
Zirconium	90-1	4.33	4.47	4.54	4.45	2.44	ppb
Zirconium	91-1	4.39	4.51	4.48	4.46	1.41	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:40:21	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25685.91	25814.91	25404.08	25634.96	0.82	ppb
Antimony	121-1	2.86	2.81	2.89	2.85	1.32	ppb
Arsenic	75-2	168.93	168.30	169.37	168.87	0.32	ppb
Barium	135-1	268.34	273.22	273.76	271.77	1.10	ppb
Barium	137-1	273.53	276.50	272.31	274.11	0.79	ppb
Beryllium	9-1	4.54	4.66	4.81	4.67	2.92	ppb
Bismuth	209-1				114		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.83	9.98	10.18	10.33	4.29	ppb
Cadmium	106-1	16.37	14.52	14.66	15.18	6.77	ppb
Cadmium	111-1	10.57	10.32	10.51	10.46	1.26	ppb
Calcium	43-1	14524.25	14422.66	14796.56	14581.16	1.33	ppb
Calcium	44-1	13502.12	13811.84	13885.47	13733.14	1.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	67.30	66.33	66.54	66.72	0.76	ppb
Cobalt	59-2	197.05	197.04	196.18	196.76	0.25	ppb
Copper	63-2	206.25	203.33	203.20	204.26	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				115		%
Holmium	165-2				114		%
Indium	115-1				111		%
Indium	115-2				110		%
Iron	56-2	114708.03	113937.63	114709.66	114451.77	0.39	ppb
Iron	57-2	113107.83	113126.32	111704.21	112646.12	0.72	ppb
Iron	54-2	115585.99	113130.82	115037.78	114584.86	1.12	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:40:21	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	564.18	577.88	567.01	569.69	1.27	ppb
Lead	207-1	544.81	563.11	532.16	546.69	2.85	ppb
Lead	208-1	553.64	562.04	548.49	554.73	1.23	ppb
Lithium	6-1				109		%
Magnesium	24-2	5356.40	5325.48	5369.74	5350.54	0.42	ppb
Manganese	55-2	551.79	548.42	554.31	551.51	0.54	ppb
Molybdenum	94-1	23.62	23.62	23.25	23.50	0.92	ppb
Molybdenum	95-1	12.88	12.65	12.71	12.74	0.94	ppb
Molybdenum	96-1	14.50	14.80	13.96	14.42	2.94	ppb
Molybdenum	97-1	13.14	13.02	12.74	12.97	1.58	ppb
Molybdenum	98-1	12.58	12.62	12.58	12.59	0.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	74.62	75.27	75.24	75.04	0.49	ppb
Phosphorus	31-2	1509.41	1495.57	1526.09	1510.35	1.01	ppb
Potassium	39-2	1429.88	1415.28	1436.54	1427.23	0.76	ppb
Rhodium	103-1				110		%
Rhodium	103-2				110		%
Scandium	45-1				119		%
Scandium	45-2				113		%
Selenium	82-1	3.42	3.88	3.86	3.72	6.98	ppb
Selenium	77-2	45.01	44.68	47.33	45.67	3.15	ppb
Selenium	78-2	9.00	9.33	7.24	8.52	13.20	ppb
Silicon	28-1	393.59	381.77	399.78	391.71	2.34	ppb
Silver	107-1	115.59	115.84	116.89	116.11	0.59	ppb
Silver	109-1	115.23	117.00	116.38	116.20	0.77	ppb
Sodium	23-2	2070.44	2026.89	2047.26	2048.20	1.06	ppb
Strontium	86-1	82.01	82.91	81.20	82.04	1.05	ppb
Strontium	88-1	84.09	82.43	82.13	82.88	1.27	ppb
Sulfur	34-1	50296.14	48092.45	50243.01	49543.87	2.54	ppb
Terbium	159-1				114		%
Terbium	159-2				112		%
Thallium	203-1	0.73	0.75	0.72	0.73	2.45	ppb
Thallium	205-1	0.72	0.75	0.73	0.73	2.37	ppb
Tin	118-1	7.71	7.75	7.81	7.76	0.69	ppb
Titanium	47-1	456.98	457.83	467.41	460.74	1.26	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:40:21	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.44	5.78	5.39	5.54	3.78	ppb
Vanadium	51-2	170.73	168.40	168.58	169.24	0.76	ppb
Yttrium	89-1				165		%
Yttrium	89-2				160		%
Zinc	66-2	1419.51	1384.34	1398.18	1400.68	1.26	ppb
Zirconium	90-1	6.74	7.01	6.83	6.86	2.00	ppb
Zirconium	91-1	6.65	6.94	6.68	6.76	2.39	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:48:23	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5263.53	5358.46	5317.05	5313.01	0.90	ppb
Antimony	121-1	0.57	0.57	0.58	0.57	1.63	ppb
Arsenic	75-2	43.60	42.74	44.19	43.51	1.67	ppb
Barium	135-1	53.92	53.50	56.56	54.66	3.03	ppb
Barium	137-1	53.80	55.04	55.96	54.93	1.97	ppb
Beryllium	9-1	1.01	0.98	1.04	1.01	3.27	ppb
Bismuth	209-1				108		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.73	2.12	2.03	1.96	10.26	ppb
Cadmium	106-1	-0.10	0.93	0.49	0.44	116.34	ppb
Cadmium	111-1	1.91	1.98	1.97	1.95	1.89	ppb
Calcium	43-1	2848.74	3095.44	2979.45	2974.54	4.15	ppb
Calcium	44-1	2853.80	2996.56	2966.84	2939.07	2.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.17	13.19	13.23	13.20	0.23	ppb
Cobalt	59-2	40.01	40.51	40.23	40.25	0.63	ppb
Copper	63-2	41.84	41.53	40.87	41.41	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				108		%
Holmium	165-2				107		%
Indium	115-1				110		%
Indium	115-2				106		%
Iron	56-2	23145.99	23131.75	23128.09	23135.28	0.04	ppb
Iron	57-2	23929.56	24046.49	23647.48	23874.51	0.86	ppb
Iron	54-2	23527.86	22874.26	22996.79	23132.97	1.50	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:48:23	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	100.99	100.63	104.61	102.08	2.16	ppb
Lead	207-1	94.24	96.87	97.81	96.31	1.92	ppb
Lead	208-1	96.41	98.48	99.65	98.18	1.67	ppb
Lithium	6-1				100		%
Magnesium	24-2	1115.57	1114.54	1117.61	1115.91	0.14	ppb
Manganese	55-2	111.54	112.77	111.85	112.05	0.57	ppb
Molybdenum	94-1	6.32	6.44	6.11	6.29	2.68	ppb
Molybdenum	95-1	3.48	3.35	3.40	3.41	1.99	ppb
Molybdenum	96-1	3.91	3.93	3.81	3.88	1.71	ppb
Molybdenum	97-1	3.34	3.43	3.35	3.37	1.41	ppb
Molybdenum	98-1	3.41	3.37	3.36	3.38	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.91	15.14	14.71	14.92	1.42	ppb
Phosphorus	31-2	286.58	291.08	284.98	287.55	1.10	ppb
Potassium	39-2	279.33	285.49	280.16	281.66	1.19	ppb
Rhodium	103-1				109		%
Rhodium	103-2				107		%
Scandium	45-1				112		%
Scandium	45-2				109		%
Selenium	82-1	0.78	0.82	1.01	0.87	13.98	ppb
Selenium	77-2	13.17	11.98	12.81	12.65	4.84	ppb
Selenium	78-2	2.05	2.48	2.62	2.38	12.64	ppb
Silicon	28-1	76.07	77.22	78.44	77.24	1.53	ppb
Silver	107-1	23.17	23.37	24.20	23.58	2.33	ppb
Silver	109-1	23.18	23.61	24.05	23.61	1.84	ppb
Sodium	23-2	409.41	416.81	416.86	414.36	1.03	ppb
Strontium	86-1	21.32	22.07	21.68	21.69	1.74	ppb
Strontium	88-1	21.03	21.59	21.61	21.41	1.53	ppb
Sulfur	34-1	8494.07	8852.23	9021.75	8789.35	3.07	ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.15	0.16	0.15	0.15	2.99	ppb
Thallium	205-1	0.15	0.14	0.14	0.15	4.37	ppb
Tin	118-1	1.45	1.52	1.60	1.52	4.99	ppb
Titanium	47-1	88.97	96.28	92.36	92.53	3.95	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:48:23	DataFile Name :	067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.04	1.10	1.10	1.08	3.18	ppb
Vanadium	51-2	33.96	34.20	33.53	33.90	0.99	ppb
Yttrium	89-1				117		%
Yttrium	89-2				117		%
Zinc	66-2	276.00	276.72	276.34	276.35	0.13	ppb
Zirconium	90-1	1.85	1.77	1.88	1.83	3.15	ppb
Zirconium	91-1	1.86	1.94	1.81	1.87	3.45	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:51:39	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13285.72	13428.14	13666.13	13460.00	1.43	ppb
Antimony	121-1	0.51	0.50	0.55	0.52	4.72	ppb
Arsenic	75-2	51.43	52.34	54.06	52.61	2.54	ppb
Barium	135-1	85.70	86.43	87.17	86.43	0.85	ppb
Barium	137-1	87.23	86.61	87.64	87.16	0.59	ppb
Beryllium	9-1	3.27	3.09	3.11	3.16	3.04	ppb
Bismuth	209-1				114		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.97	1.91	2.45	2.44	21.65	ppb
Cadmium	106-1	5.53	3.16	3.79	4.16	29.54	ppb
Cadmium	111-1	1.84	1.71	1.81	1.78	3.92	ppb
Calcium	43-1	3135.67	3178.91	3130.39	3148.32	0.85	ppb
Calcium	44-1	3177.31	3183.32	3148.36	3169.66	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.26	40.70	40.80	40.58	0.71	ppb
Cobalt	59-2	74.27	74.75	75.10	74.71	0.56	ppb
Copper	63-2	31.22	32.24	32.26	31.91	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				114		%
Holmium	165-2				113		%
Indium	115-1				112		%
Indium	115-2				109		%
Iron	56-2	25758.31	25768.71	25575.25	25700.76	0.42	ppb
Iron	57-2	25852.81	25661.07	26074.44	25862.77	0.80	ppb
Iron	54-2	25883.42	26513.95	26172.33	26189.90	1.21	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:51:39	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	80.36	82.00	80.26	80.87	1.21	ppb
Lead	207-1	77.13	78.43	77.28	77.61	0.91	ppb
Lead	208-1	79.04	80.30	78.67	79.34	1.08	ppb
Lithium	6-1				107		%
Magnesium	24-2	1493.42	1496.83	1522.41	1504.22	1.05	ppb
Manganese	55-2	99.31	100.20	100.57	100.03	0.65	ppb
Molybdenum	94-1	13.17	13.50	13.44	13.37	1.28	ppb
Molybdenum	95-1	6.33	6.53	6.37	6.41	1.62	ppb
Molybdenum	96-1	7.13	7.51	7.38	7.34	2.69	ppb
Molybdenum	97-1	6.28	6.64	6.50	6.47	2.79	ppb
Molybdenum	98-1	6.41	6.50	6.47	6.46	0.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	19.99	20.36	20.62	20.32	1.56	ppb
Phosphorus	31-2	986.57	1025.71	1046.02	1019.43	2.96	ppb
Potassium	39-2	1048.98	1067.91	1058.14	1058.34	0.89	ppb
Rhodium	103-1				112		%
Rhodium	103-2				109		%
Scandium	45-1				116		%
Scandium	45-2				110		%
Selenium	82-1	1.28	1.96	2.26	1.83	27.32	ppb
Selenium	77-2	41.55	35.54	37.76	38.28	7.93	ppb
Selenium	78-2	4.31	8.27	5.72	6.10	32.93	ppb
Silicon	28-1	262.33	261.18	259.81	261.11	0.48	ppb
Silver	107-1	0.32	0.28	0.36	0.32	11.83	ppb
Silver	109-1	0.25	0.27	0.29	0.27	6.30	ppb
Sodium	23-2	653.71	669.41	671.07	664.73	1.44	ppb
Strontium	86-1	19.91	20.21	20.16	20.09	0.81	ppb
Strontium	88-1	19.82	20.12	20.08	20.01	0.81	ppb
Sulfur	34-1	5150.52	5194.33	4868.72	5071.19	3.48	ppb
Terbium	159-1				112		%
Terbium	159-2				110		%
Thallium	203-1	1.33	1.26	1.24	1.28	3.78	ppb
Thallium	205-1	1.25	1.28	1.24	1.25	1.64	ppb
Tin	118-1	16.26	16.20	16.34	16.27	0.44	ppb
Titanium	47-1	322.69	325.98	325.18	324.62	0.53	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:51:39	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.58	3.64	3.58	3.60	0.88	ppb
Vanadium	51-2	41.29	41.76	41.78	41.61	0.67	ppb
Yttrium	89-1				136		%
Yttrium	89-2				133		%
Zinc	66-2	888.83	901.33	906.58	898.91	1.01	ppb
Zirconium	90-1	4.15	4.23	4.08	4.15	1.72	ppb
Zirconium	91-1	4.18	4.12	4.08	4.13	1.24	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:54:50	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2754.80	2728.79	2752.54	2745.38	0.52	ppb
Antimony	121-1	0.11	0.12	0.11	0.11	5.85	ppb
Arsenic	75-2	11.86	11.32	11.85	11.68	2.62	ppb
Barium	135-1	16.51	16.90	17.35	16.92	2.46	ppb
Barium	137-1	16.96	17.13	17.49	17.19	1.59	ppb
Beryllium	9-1	0.64	0.62	0.58	0.61	5.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.56	0.87	0.35	0.59	44.16	ppb
Cadmium	106-1	-0.62	-0.67	-0.81	-0.70		ppb
Cadmium	111-1	0.23	0.20	0.22	0.21	8.13	ppb
Calcium	43-1	621.06	656.44	605.62	627.71	4.15	ppb
Calcium	44-1	635.94	620.29	601.57	619.27	2.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.89	7.59	7.75	7.74	1.95	ppb
Cobalt	59-2	15.08	14.84	14.85	14.92	0.93	ppb
Copper	63-2	6.50	6.08	6.39	6.32	3.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	5087.07	5139.02	5109.43	5111.84	0.51	ppb
Iron	57-2	5343.69	5285.09	5304.77	5311.18	0.56	ppb
Iron	54-2	5390.20	5329.65	5417.73	5379.19	0.84	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:54:50	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	16.36	16.49	16.12	16.32	1.16	ppb
Lead	207-1	15.79	16.11	15.16	15.69	3.07	ppb
Lead	208-1	15.99	16.10	15.35	15.81	2.56	ppb
Lithium	6-1				101		%
Magnesium	24-2	299.73	295.90	292.67	296.10	1.19	ppb
Manganese	55-2	19.61	19.05	19.55	19.40	1.59	ppb
Molybdenum	94-1	3.03	3.00	2.91	2.98	2.06	ppb
Molybdenum	95-1	1.47	1.52	1.48	1.49	1.70	ppb
Molybdenum	96-1	1.67	1.68	1.68	1.68	0.33	ppb
Molybdenum	97-1	1.48	1.45	1.51	1.48	2.14	ppb
Molybdenum	98-1	1.46	1.55	1.53	1.51	2.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.95	3.94	3.94	3.94	0.22	ppb
Phosphorus	31-2	194.27	215.47	188.42	199.39	7.14	ppb
Potassium	39-2	201.17	202.04	201.43	201.55	0.22	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	1.45	1.13	1.18	1.25	13.74	ppb
Selenium	77-2	10.29	5.74	8.23	8.08	28.18	ppb
Selenium	78-2	3.51	1.32	1.33	2.05	61.30	ppb
Silicon	28-1	54.18	52.02	51.34	52.51	2.83	ppb
Silver	107-1	0.06	0.07	0.06	0.06	9.54	ppb
Silver	109-1	0.06	0.05	0.06	0.06	13.37	ppb
Sodium	23-2	137.11	134.13	136.79	136.01	1.20	ppb
Strontium	86-1	4.48	4.60	4.67	4.59	2.09	ppb
Strontium	88-1	4.50	4.61	4.53	4.55	1.22	ppb
Sulfur	34-1	-389.36	-482.69	-707.63	-526.56		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	0.26	0.26	0.26	0.26	1.43	ppb
Thallium	205-1	0.26	0.26	0.25	0.26	2.13	ppb
Tin	118-1	3.13	3.23	3.08	3.15	2.38	ppb
Titanium	47-1	68.44	66.86	64.94	66.75	2.63	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:54:50	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.72	0.71	0.71	0.72	1.01	ppb
Vanadium	51-2	8.31	8.48	8.52	8.44	1.32	ppb
Yttrium	89-1				110		%
Yttrium	89-2				113		%
Zinc	66-2	175.60	175.07	175.41	175.36	0.15	ppb
Zirconium	90-1	0.91	0.95	0.94	0.93	2.10	ppb
Zirconium	91-1	0.91	0.96	0.92	0.93	2.61	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:58:07	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11896.15	12268.42	11976.65	12047.07	1.63	ppb
Antimony	121-1	0.33	0.34	0.31	0.33	3.78	ppb
Arsenic	75-2	8.15	7.87	7.99	8.01	1.72	ppb
Barium	135-1	56.04	56.08	57.35	56.49	1.32	ppb
Barium	137-1	56.99	57.84	55.90	56.91	1.71	ppb
Beryllium	9-1	1.20	1.05	1.03	1.09	8.64	ppb
Bismuth	209-1				110		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.81	0.89	0.79	0.83	6.57	ppb
Cadmium	106-1	5.79	5.63	5.00	5.47	7.66	ppb
Cadmium	111-1	1.03	1.00	0.90	0.98	7.16	ppb
Calcium	43-1	2689.29	2739.69	2613.83	2680.94	2.36	ppb
Calcium	44-1	2679.51	2728.59	2761.43	2723.18	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32.28	32.36	32.29	32.31	0.14	ppb
Cobalt	59-2	36.05	36.75	36.08	36.29	1.09	ppb
Copper	63-2	44.00	44.28	44.19	44.16	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				112		%
Holmium	165-2				113		%
Indium	115-1				109		%
Indium	115-2				108		%
Iron	56-2	18933.17	18808.38	19007.58	18916.38	0.53	ppb
Iron	57-2	19593.84	19700.84	19771.28	19688.65	0.45	ppb
Iron	54-2	19039.97	19443.71	19176.05	19219.91	1.07	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:58:07	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	46.17	44.85	44.54	45.19	1.92	ppb
Lead	207-1	43.51	42.82	41.60	42.64	2.27	ppb
Lead	208-1	44.49	43.87	43.08	43.81	1.61	ppb
Lithium	6-1				108		%
Magnesium	24-2	3098.68	3084.77	3137.27	3106.90	0.88	ppb
Manganese	55-2	433.25	435.71	432.74	433.90	0.37	ppb
Molybdenum	94-1	6.85	6.85	6.79	6.83	0.50	ppb
Molybdenum	95-1	0.51	0.51	0.52	0.52	0.79	ppb
Molybdenum	96-1	1.37	1.34	1.29	1.33	2.70	ppb
Molybdenum	97-1	0.55	0.51	0.52	0.53	4.52	ppb
Molybdenum	98-1	0.51	0.53	0.51	0.52	2.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	22.19	22.35	22.02	22.19	0.75	ppb
Phosphorus	31-2	410.33	412.80	397.83	406.99	1.97	ppb
Potassium	39-2	1251.83	1256.29	1274.75	1260.95	0.96	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	2.96	3.56	3.43	3.32	9.57	ppb
Selenium	77-2	73.34	71.25	71.87	72.15	1.49	ppb
Selenium	78-2	12.22	11.89	12.59	12.23	2.87	ppb
Silicon	28-1	261.76	278.06	290.39	276.74	5.19	ppb
Silver	107-1	0.94	1.01	1.00	0.98	3.96	ppb
Silver	109-1	0.96	0.98	0.99	0.98	1.75	ppb
Sodium	23-2	983.68	983.65	997.74	988.36	0.82	ppb
Strontium	86-1	13.66	13.92	13.21	13.60	2.66	ppb
Strontium	88-1	13.46	13.55	13.19	13.40	1.37	ppb
Sulfur	34-1	-197.05	-274.11	-240.53	-237.23		ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.34	0.32	0.31	0.32	5.08	ppb
Thallium	205-1	0.32	0.33	0.32	0.32	1.93	ppb
Tin	118-1	3.16	3.21	3.16	3.17	0.83	ppb
Titanium	47-1	283.16	275.16	276.79	278.37	1.52	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:58:07	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.75	1.76	1.63	1.71	4.07	ppb
Vanadium	51-2	34.62	34.71	34.95	34.76	0.48	ppb
Yttrium	89-1				156		%
Yttrium	89-2				154		%
Zinc	66-2	118.76	119.31	121.83	119.97	1.37	ppb
Zirconium	90-1	3.36	3.32	3.31	3.33	0.74	ppb
Zirconium	91-1	3.32	3.30	3.25	3.29	0.99	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:01:20	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2465.41	2451.76	2421.66	2446.27	0.92	ppb
Antimony	121-1	0.06	0.06	0.07	0.06	9.21	ppb
Arsenic	75-2	2.16	1.88	2.23	2.09	8.81	ppb
Barium	135-1	10.70	11.33	10.80	10.94	3.11	ppb
Barium	137-1	11.37	11.40	11.01	11.26	1.95	ppb
Beryllium	9-1	0.28	0.19	0.20	0.22	22.80	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.13	0.19	0.12	0.14	25.29	ppb
Cadmium	106-1	-0.84	-0.67	-1.37	-0.96		ppb
Cadmium	111-1	0.05	0.08	-0.03	0.04	151.38	ppb
Calcium	43-1	524.92	500.89	531.13	518.98	3.08	ppb
Calcium	44-1	504.74	526.27	513.36	514.79	2.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6.40	6.06	6.06	6.17	3.23	ppb
Cobalt	59-2	7.36	7.18	7.39	7.31	1.55	ppb
Copper	63-2	8.60	8.47	8.77	8.62	1.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	3841.58	3807.35	3717.92	3788.95	1.69	ppb
Iron	57-2	3943.59	3940.24	3910.31	3931.38	0.47	ppb
Iron	54-2	4005.19	3989.45	3941.10	3978.58	0.84	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:01:20	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	8.51	8.52	8.95	8.66	2.88	ppb
Lead	207-1	7.97	8.05	8.28	8.10	2.00	ppb
Lead	208-1	8.40	8.15	8.51	8.35	2.19	ppb
Lithium	6-1				104		%
Magnesium	24-2	626.45	612.55	607.71	615.57	1.58	ppb
Manganese	55-2	86.63	84.94	85.40	85.65	1.02	ppb
Molybdenum	94-1	1.75	1.63	1.70	1.69	3.72	ppb
Molybdenum	95-1	0.11	0.14	0.11	0.12	18.03	ppb
Molybdenum	96-1	0.31	0.35	0.32	0.33	7.61	ppb
Molybdenum	97-1	0.08	0.11	0.12	0.10	18.72	ppb
Molybdenum	98-1	0.11	0.13	0.10	0.12	10.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.62	4.50	4.48	4.53	1.65	ppb
Phosphorus	31-2	74.39	65.94	55.35	65.23	14.62	ppb
Potassium	39-2	246.09	239.91	247.43	244.48	1.64	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	82-1	1.62	1.38	1.39	1.46	9.05	ppb
Selenium	77-2	17.28	21.38	20.34	19.67	10.82	ppb
Selenium	78-2	3.07	3.98	3.09	3.38	15.31	ppb
Silicon	28-1	53.56	55.69	52.32	53.86	3.17	ppb
Silver	107-1	0.25	0.25	0.22	0.24	6.90	ppb
Silver	109-1	0.24	0.25	0.24	0.24	2.30	ppb
Sodium	23-2	202.04	200.23	198.45	200.24	0.90	ppb
Strontium	86-1	3.38	3.41	3.28	3.36	1.99	ppb
Strontium	88-1	3.50	3.42	3.38	3.43	1.87	ppb
Sulfur	34-1	-1840.44	-1812.42	-1750.77	-1801.21		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.07	0.06	0.06	0.06	11.03	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	4.27	ppb
Tin	118-1	0.52	0.57	0.53	0.54	4.96	ppb
Titanium	47-1	54.16	54.56	56.27	55.00	2.04	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:01:20	DataFile Name :	071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.33	0.35	0.34	3.18	ppb
Vanadium	51-2	6.97	6.90	6.86	6.91	0.77	ppb
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	22.65	22.57	23.03	22.75	1.07	ppb
Zirconium	90-1	0.85	0.85	0.85	0.85	0.26	ppb
Zirconium	91-1	0.87	0.83	0.89	0.86	3.09	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:04:37	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16100.14	15861.56	16144.12	16035.27	0.95	ppb
Antimony	121-1	0.07	0.07	0.09	0.08	10.69	ppb
Arsenic	75-2	3.60	3.73	3.63	3.66	1.86	ppb
Barium	135-1	73.59	69.97	68.95	70.83	3.44	ppb
Barium	137-1	74.54	72.27	71.42	72.74	2.22	ppb
Beryllium	9-1	0.88	0.86	0.85	0.86	2.19	ppb
Bismuth	209-1				112		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.96	0.97	0.64	0.86	21.60	ppb
Cadmium	106-1	2.39	4.17	1.64	2.73	47.51	ppb
Cadmium	111-1	0.24	0.34	0.19	0.25	29.88	ppb
Calcium	43-1	1328.66	1404.36	1397.19	1376.73	3.04	ppb
Calcium	44-1	1368.82	1377.24	1394.02	1380.03	0.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.13	49.12	49.30	49.19	0.21	ppb
Cobalt	59-2	5.72	5.60	5.65	5.65	1.04	ppb
Copper	63-2	31.17	31.44	31.25	31.29	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				113		%
Indium	115-1				110		%
Indium	115-2				107		%
Iron	56-2	14584.16	14691.17	14243.01	14506.11	1.61	ppb
Iron	57-2	15080.91	15116.38	14894.89	15030.73	0.79	ppb
Iron	54-2	14822.73	14844.04	14871.99	14846.25	0.17	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:04:37	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	22.98	23.24	23.17	23.13	0.58	ppb
Lead	207-1	21.81	22.66	22.79	22.42	2.38	ppb
Lead	208-1	22.46	22.84	22.76	22.69	0.88	ppb
Lithium	6-1				113		%
Magnesium	24-2	2259.22	2255.98	2240.52	2251.91	0.44	ppb
Manganese	55-2	120.00	120.30	119.64	119.98	0.27	ppb
Molybdenum	94-1	12.37	12.64	12.77	12.59	1.66	ppb
Molybdenum	95-1	0.25	0.27	0.25	0.26	2.78	ppb
Molybdenum	96-1	1.65	1.71	1.72	1.69	2.41	ppb
Molybdenum	97-1	0.27	0.26	0.29	0.27	6.17	ppb
Molybdenum	98-1	0.25	0.28	0.27	0.27	5.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.40	15.59	14.68	15.22	3.15	ppb
Phosphorus	31-2	195.10	169.39	177.88	180.79	7.25	ppb
Potassium	39-2	1776.80	1801.74	1767.98	1782.17	0.98	ppb
Rhodium	103-1				112		%
Rhodium	103-2				107		%
Scandium	45-1				119		%
Scandium	45-2				114		%
Selenium	82-1	1.15	1.71	1.53	1.46	19.38	ppb
Selenium	77-2	36.63	34.50	35.92	35.68	3.05	ppb
Selenium	78-2	5.92	5.34	5.81	5.69	5.42	ppb
Silicon	28-1	343.88	344.78	337.42	342.03	1.17	ppb
Silver	107-1	0.32	0.31	0.33	0.32	3.90	ppb
Silver	109-1	0.32	0.33	0.32	0.32	1.82	ppb
Sodium	23-2	805.71	811.94	798.30	805.32	0.85	ppb
Strontium	86-1	11.13	11.29	11.43	11.28	1.35	ppb
Strontium	88-1	11.12	11.18	11.51	11.27	1.88	ppb
Sulfur	34-1	-2603.01	-2523.93	-2531.67	-2552.87		ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	0.29	0.33	0.32	0.31	6.63	ppb
Thallium	205-1	0.32	0.31	0.32	0.32	1.79	ppb
Tin	118-1	10.59	10.40	10.17	10.39	2.05	ppb
Titanium	47-1	355.30	347.88	345.12	349.43	1.51	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:04:37	DataFile Name :	072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.14	3.20	3.24	3.19	1.63	ppb
Vanadium	51-2	56.77	57.86	57.36	57.33	0.95	ppb
Yttrium	89-1				138		%
Yttrium	89-2				132		%
Zinc	66-2	56.15	54.11	53.90	54.72	2.27	ppb
Zirconium	90-1	6.50	6.36	6.43	6.43	1.15	ppb
Zirconium	91-1	6.26	6.54	6.63	6.48	2.93	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:07:50	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3387.68	3424.92	3442.56	3418.39	0.82	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	11.89	ppb
Arsenic	75-2	0.72	0.79	0.67	0.73	8.59	ppb
Barium	135-1	13.68	13.98	14.15	13.93	1.71	ppb
Barium	137-1	13.87	14.30	14.02	14.07	1.54	ppb
Beryllium	9-1	0.23	0.21	0.17	0.20	13.63	ppb
Bismuth	209-1				108		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.20	0.04	0.04	0.09	99.31	ppb
Cadmium	106-1	-0.95	-1.26	-1.21	-1.14		ppb
Cadmium	111-1	-0.06	-0.08	-0.08	-0.07		ppb
Calcium	43-1	270.19	290.19	265.28	275.22	4.79	ppb
Calcium	44-1	264.99	288.43	270.79	274.74	4.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.16	10.14	10.03	10.11	0.67	ppb
Cobalt	59-2	1.18	1.12	1.14	1.15	2.47	ppb
Copper	63-2	6.58	6.45	6.55	6.52	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				106		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	3022.27	3085.06	3099.16	3068.83	1.33	ppb
Iron	57-2	3177.18	3174.96	3181.94	3178.03	0.11	ppb
Iron	54-2	3215.53	3243.63	3218.35	3225.84	0.48	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:07:50	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.50	4.63	4.44	4.52	2.14	ppb
Lead	207-1	4.26	4.43	4.21	4.30	2.75	ppb
Lead	208-1	4.35	4.52	4.25	4.37	3.01	ppb
Lithium	6-1				104		%
Magnesium	24-2	468.80	466.79	471.51	469.03	0.50	ppb
Manganese	55-2	25.37	25.32	25.78	25.49	0.99	ppb
Molybdenum	94-1	2.78	2.79	2.89	2.82	2.14	ppb
Molybdenum	95-1	0.04	0.04	0.05	0.04	15.53	ppb
Molybdenum	96-1	0.41	0.37	0.40	0.39	5.24	ppb
Molybdenum	97-1	0.04	0.04	0.07	0.05	30.82	ppb
Molybdenum	98-1	0.06	0.05	0.05	0.05	8.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.21	2.99	3.12	3.11	3.51	ppb
Phosphorus	31-2	45.03	31.00	34.04	36.69	20.12	ppb
Potassium	39-2	365.35	361.45	360.23	362.34	0.74	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				103		%
Selenium	82-1	1.38	1.12	0.96	1.15	18.69	ppb
Selenium	77-2	7.14	5.42	7.96	6.84	18.97	ppb
Selenium	78-2	2.04	1.22	0.79	1.35	46.99	ppb
Silicon	28-1	67.95	73.40	70.19	70.51	3.89	ppb
Silver	107-1	0.07	0.07	0.06	0.07	13.26	ppb
Silver	109-1	0.07	0.06	0.08	0.07	8.50	ppb
Sodium	23-2	172.63	174.84	175.02	174.17	0.76	ppb
Strontium	86-1	2.51	2.61	2.64	2.59	2.61	ppb
Strontium	88-1	2.64	2.60	2.64	2.63	0.89	ppb
Sulfur	34-1	-2453.19	-2318.75	-2551.28	-2441.07		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.06	0.05	0.06	0.05	14.43	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	4.21	ppb
Tin	118-1	2.03	2.09	2.15	2.09	2.94	ppb
Titanium	47-1	67.53	71.20	66.78	68.50	3.45	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:07:50	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.60	0.65	0.61	0.62	3.98	ppb
Vanadium	51-2	11.81	12.03	11.89	11.91	0.93	ppb
Yttrium	89-1				111		%
Yttrium	89-2				109		%
Zinc	66-2	11.06	11.42	10.57	11.02	3.86	ppb
Zirconium	90-1	1.50	1.46	1.49	1.49	1.39	ppb
Zirconium	91-1	1.53	1.51	1.45	1.50	2.72	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:11:06	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3408.37	3454.43	3495.79	3452.86	1.27	ppb
Antimony	121-1	0.92	1.00	0.98	0.97	4.70	ppb
Arsenic	75-2	0.85	0.86	0.86	0.86	0.63	ppb
Barium	135-1	13.73	14.42	14.53	14.22	3.06	ppb
Barium	137-1	13.94	14.64	14.48	14.35	2.57	ppb
Beryllium	9-1	0.13	0.16	0.18	0.16	14.26	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.22	0.21	0.15	66.22	ppb
Cadmium	106-1	-0.59	-1.30	-1.53	-1.14		ppb
Cadmium	111-1	-0.03	-0.08	-0.09	-0.06		ppb
Calcium	43-1	273.95	285.72	270.49	276.72	2.88	ppb
Calcium	44-1	271.51	288.95	273.67	278.04	3.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.20	10.13	10.30	10.21	0.84	ppb
Cobalt	59-2	1.13	1.17	1.18	1.16	2.29	ppb
Copper	63-2	6.51	6.60	6.55	6.55	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	3094.93	3123.63	3151.51	3123.36	0.91	ppb
Iron	57-2	3240.98	3252.74	3269.56	3254.43	0.44	ppb
Iron	54-2	3264.97	3280.43	3299.50	3281.63	0.53	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:11:06	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.39	4.60	4.61	4.53	2.76	ppb
Lead	207-1	4.36	4.35	4.38	4.36	0.33	ppb
Lead	208-1	4.40	4.54	4.50	4.48	1.59	ppb
Lithium	6-1				104		%
Magnesium	24-2	469.04	467.57	474.10	470.24	0.73	ppb
Manganese	55-2	25.37	25.78	25.50	25.55	0.82	ppb
Molybdenum	94-1	2.81	2.93	2.75	2.83	3.13	ppb
Molybdenum	95-1	0.09	0.06	0.08	0.08	17.91	ppb
Molybdenum	96-1	0.39	0.44	0.43	0.42	5.21	ppb
Molybdenum	97-1	0.07	0.06	0.05	0.06	15.77	ppb
Molybdenum	98-1	0.06	0.07	0.09	0.07	20.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.84	3.17	3.30	3.10	7.73	ppb
Phosphorus	31-2	42.16	32.52	41.43	38.71	13.86	ppb
Potassium	39-2	390.56	383.21	389.88	387.88	1.05	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				109		%
Scandium	45-2				103		%
Selenium	82-1	0.58	0.70	0.48	0.59	18.47	ppb
Selenium	77-2	8.35	8.79	7.62	8.25	7.19	ppb
Selenium	78-2	0.63	1.45	0.18	0.75	85.28	ppb
Silicon	28-1	72.66	69.86	69.04	70.52	2.69	ppb
Silver	107-1	0.06	0.08	0.07	0.07	11.80	ppb
Silver	109-1	0.08	0.08	0.07	0.07	4.72	ppb
Sodium	23-2	170.06	173.63	174.87	172.86	1.44	ppb
Strontium	86-1	2.75	2.60	2.83	2.73	4.28	ppb
Strontium	88-1	2.64	2.76	2.64	2.68	2.50	ppb
Sulfur	34-1	-2339.60	-2280.86	-2402.93	-2341.13		ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.08	0.07	0.08	0.07	6.52	ppb
Thallium	205-1	0.07	0.07	0.08	0.08	4.08	ppb
Tin	118-1	2.00	2.11	2.07	2.06	2.81	ppb
Titanium	47-1	72.56	69.85	70.35	70.92	2.04	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:11:06	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.64	0.62	0.62	0.63	1.36	ppb
Vanadium	51-2	12.12	11.96	12.11	12.06	0.74	ppb
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	10.02	10.41	10.71	10.38	3.33	ppb
Zirconium	90-1	1.47	1.47	1.45	1.46	0.49	ppb
Zirconium	91-1	1.53	1.50	1.49	1.50	1.32	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:14:21	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50717.17	48402.60	49992.19	49703.99	2.38	ppb
Antimony	121-1	487.77	494.75	506.34	496.29	1.89	ppb
Arsenic	75-2	494.89	481.97	482.92	486.59	1.48	ppb
Barium	135-1	2340.29	2413.06	2407.78	2387.04	1.70	ppb
Barium	137-1	2367.81	2410.09	2479.39	2419.10	2.33	ppb
Beryllium	9-1	520.20	526.09	509.22	518.50	1.65	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	476.48	491.54	487.14	485.05	1.60	ppb
Cadmium	106-1	476.49	482.55	486.99	482.01	1.09	ppb
Cadmium	111-1	472.90	477.75	476.19	475.61	0.52	ppb
Calcium	43-1	253124.85	251386.02	258127.94	254212.94	1.38	ppb
Calcium	44-1	250804.30	254126.75	250334.20	251755.08	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	491.25	487.12	495.89	491.42	0.89	ppb
Cobalt	59-2	498.50	477.54	490.02	488.69	2.16	ppb
Copper	63-2	4936.23	4692.17	4891.44	4839.95	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				106		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	128735.24	127684.85	130038.39	128819.49	0.92	ppb
Iron	57-2	127018.21	126237.49	128101.72	127119.14	0.74	ppb
Iron	54-2	127227.97	128197.61	126799.79	127408.46	0.56	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:14:21	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2438.18	2536.33	2496.60	2490.37	1.98	ppb
Lead	207-1	2394.30	2490.54	2489.92	2458.25	2.25	ppb
Lead	208-1	2411.26	2485.62	2473.57	2456.82	1.62	ppb
Lithium	6-1				109		%
Magnesium	24-2	249597.81	248734.07	249016.09	249115.99	0.18	ppb
Manganese	55-2	4832.02	4786.74	4814.60	4811.12	0.47	ppb
Molybdenum	94-1	5526.69	5270.52	5411.85	5403.02	2.37	ppb
Molybdenum	95-1	5509.90	5268.47	5348.33	5375.57	2.29	ppb
Molybdenum	96-1	5404.92	5310.88	5380.03	5365.27	0.91	ppb
Molybdenum	97-1	5559.33	5309.41	5486.53	5451.76	2.36	ppb
Molybdenum	98-1	5513.13	5301.71	5344.20	5386.34	2.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	470.81	462.83	476.63	470.09	1.47	ppb
Phosphorus	31-2	9770.29	9742.86	9853.20	9788.78	0.59	ppb
Potassium	39-2	125886.05	123857.98	126540.39	125428.14	1.12	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				107		%
Scandium	45-2				99		%
Selenium	82-1	492.43	472.10	488.36	484.30	2.22	ppb
Selenium	77-2	494.93	479.84	463.21	479.33	3.31	ppb
Selenium	78-2	488.51	480.35	464.28	477.71	2.58	ppb
Silicon	28-1	485.12	505.08	515.61	501.94	3.09	ppb
Silver	107-1	481.78	485.32	489.84	485.65	0.83	ppb
Silver	109-1	486.65	476.61	486.51	483.26	1.19	ppb
Sodium	23-2	256776.98	253303.52	255044.71	255041.74	0.68	ppb
Strontium	86-1	12365.89	11975.30	12236.90	12192.70	1.63	ppb
Strontium	88-1	12380.77	11923.14	12444.68	12249.53	2.32	ppb
Sulfur	34-1	8540.57	9126.38	9282.60	8983.18	4.35	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	502.59	502.02	495.75	500.12	0.76	ppb
Thallium	205-1	495.08	497.19	496.76	496.34	0.22	ppb
Tin	118-1	477.17	480.74	492.86	483.59	1.70	ppb
Titanium	47-1	5252.26	5366.96	5455.57	5358.26	1.90	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:14:21	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	484.19	496.09	492.72	491.00	1.25	ppb
Vanadium	51-2	494.89	496.84	503.80	498.51	0.94	ppb
Yttrium	89-1				106		%
Yttrium	89-2				101		%
Zinc	66-2	4881.69	4790.66	4860.66	4844.34	0.98	ppb
Zirconium	90-1	488.26	481.69	503.53	491.16	2.28	ppb
Zirconium	91-1	491.20	482.37	488.91	487.49	0.94	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:29:04	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.02	0.05	-0.16	-0.04		ppb
Antimony	121-1	0.05	0.09	0.08	0.07	28.58	ppb
Arsenic	75-2	-0.03	-0.02	-0.03	-0.02		ppb
Barium	135-1	-0.01	0.00	-0.01	-0.01		ppb
Barium	137-1	-0.01	-0.02	-0.01	-0.01		ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	182.02	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.04	0.03	-0.07	-0.03		ppb
Cadmium	106-1	-3.17	-3.01	-4.43	-3.54		ppb
Cadmium	111-1	-0.23	-0.23	-0.33	-0.26		ppb
Calcium	43-1	-5.87	-5.36	-4.61	-5.28		ppb
Calcium	44-1	-10.70	-7.69	-8.75	-9.05		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.24	-0.25	-0.25	-0.25		ppb
Cobalt	59-2	-0.01	-0.02	-0.01	-0.01		ppb
Copper	63-2	0.02	0.04	0.04	0.03	37.37	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				99		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				104		%
Iron	56-2	0.19	0.62	1.27	0.70	78.35	ppb
Iron	57-2	1.67	0.74	2.59	1.67	55.64	ppb
Iron	54-2	0.71	0.25	0.84	0.60	52.31	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:29:04	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.04	-0.03	-0.03	-0.03		ppb
Lead	207-1	-0.03	-0.02	-0.04	-0.03		ppb
Lead	208-1	-0.03	-0.03	-0.03	-0.03		ppb
Lithium	6-1				101		%
Magnesium	24-2	3.41	4.08	5.32	4.27	22.68	ppb
Manganese	55-2	-0.11	-0.04	-0.04	-0.06		ppb
Molybdenum	94-1	0.01	0.03	0.06	0.03	83.09	ppb
Molybdenum	95-1	0.00	0.00	0.02	0.01	170.48	ppb
Molybdenum	96-1	0.01	0.02	0.02	0.02	55.14	ppb
Molybdenum	97-1	-0.01	-0.02	0.01	-0.01		ppb
Molybdenum	98-1	0.00	0.01	0.02	0.01	137.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.16	-0.16	-0.20	-0.17		ppb
Phosphorus	31-2	-11.61	-15.28	-13.74	-13.54		ppb
Potassium	39-2	-7.27	-5.40	-1.43	-4.70		ppb
Rhodium	103-1				101		%
Rhodium	103-2				104		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	-0.01	-0.62	0.08	-0.18		ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	0.70	0.54	-0.38	0.29	202.58	ppb
Silicon	28-1	-0.52	-0.26	-0.42	-0.40		ppb
Silver	107-1	0.01	0.01	0.00	0.01	13.87	ppb
Silver	109-1	0.01	0.00	0.01	0.01	18.62	ppb
Sodium	23-2	13.85	14.31	13.26	13.81	3.82	ppb
Strontium	86-1	0.03	0.05	0.07	0.05	42.20	ppb
Strontium	88-1	0.04	0.04	0.07	0.05	32.37	ppb
Sulfur	34-1	-341.05	-49.48	-278.47	-223.00		ppb
Terbium	159-1				99		%
Terbium	159-2				104		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	-0.02	0.01	0.02	0.00	603.68	ppb
Titanium	47-1	-0.03	-0.01	0.06	0.00	934.37	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:29:04	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	109.14	ppb
Vanadium	51-2	0.01	0.01	0.02	0.01	47.04	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	-0.62	-0.80	-0.65	-0.69		ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	56.45	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	22.47	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUP	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:32:42	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16498.00	16610.14	16172.20	16426.78	1.38	ppb
Antimony	121-1	4.67	5.09	4.91	4.89	4.36	ppb
Arsenic	75-2	3.96	3.99	3.70	3.88	4.14	ppb
Barium	135-1	69.67	74.22	72.65	72.18	3.20	ppb
Barium	137-1	71.08	73.94	72.85	72.62	1.99	ppb
Beryllium	9-1	0.87	0.87	0.93	0.89	4.05	ppb
Bismuth	209-1				111		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.86	0.72	0.93	0.84	12.80	ppb
Cadmium	106-1	2.39	3.33	1.56	2.43	36.38	ppb
Cadmium	111-1	0.30	0.40	0.24	0.31	25.28	ppb
Calcium	43-1	1405.78	1336.72	1351.05	1364.52	2.67	ppb
Calcium	44-1	1392.85	1393.94	1356.22	1381.00	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.34	50.65	49.87	49.95	1.32	ppb
Cobalt	59-2	5.77	5.92	5.72	5.80	1.82	ppb
Copper	63-2	31.71	32.70	31.79	32.07	1.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				111		%
Indium	115-1				109		%
Indium	115-2				108		%
Iron	56-2	15091.39	15253.20	14755.79	15033.46	1.69	ppb
Iron	57-2	15502.80	15812.19	15393.22	15569.41	1.40	ppb
Iron	54-2	15309.43	15582.04	15286.81	15392.76	1.07	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUP	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:32:42	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	23.88	23.56	23.91	23.79	0.80	ppb
Lead	207-1	22.63	22.44	22.46	22.51	0.47	ppb
Lead	208-1	23.18	23.10	23.15	23.14	0.16	ppb
Lithium	6-1				112		%
Magnesium	24-2	2330.22	2344.91	2309.95	2328.36	0.75	ppb
Manganese	55-2	123.45	124.21	123.36	123.67	0.38	ppb
Molybdenum	94-1	12.39	12.78	12.59	12.59	1.53	ppb
Molybdenum	95-1	0.36	0.40	0.40	0.38	6.29	ppb
Molybdenum	96-1	1.80	1.80	1.74	1.78	1.83	ppb
Molybdenum	97-1	0.38	0.35	0.38	0.37	5.01	ppb
Molybdenum	98-1	0.36	0.40	0.38	0.38	4.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.03	16.18	16.21	16.14	0.58	ppb
Phosphorus	31-2	273.58	272.43	252.80	266.27	4.39	ppb
Potassium	39-2	1903.16	1950.58	1913.85	1922.53	1.29	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				119		%
Scandium	45-2				113		%
Selenium	82-1	1.91	1.49	1.80	1.73	12.61	ppb
Selenium	77-2	33.86	33.93	34.96	34.25	1.79	ppb
Selenium	78-2	4.58	5.95	5.19	5.24	13.12	ppb
Silicon	28-1	352.22	346.50	347.36	348.69	0.88	ppb
Silver	107-1	0.39	0.45	0.39	0.41	8.58	ppb
Silver	109-1	0.37	0.42	0.41	0.40	6.63	ppb
Sodium	23-2	832.67	850.62	833.32	838.87	1.21	ppb
Strontium	86-1	11.54	11.56	11.47	11.52	0.40	ppb
Strontium	88-1	11.47	11.76	11.52	11.58	1.35	ppb
Sulfur	34-1	-1369.99	-1683.31	-1702.99	-1585.43		ppb
Terbium	159-1				110		%
Terbium	159-2				111		%
Thallium	203-1	0.40	0.39	0.39	0.39	2.26	ppb
Thallium	205-1	0.38	0.42	0.39	0.40	4.25	ppb
Tin	118-1	10.34	10.42	10.50	10.42	0.78	ppb
Titanium	47-1	343.84	333.81	352.94	343.53	2.79	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUP	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:32:42	DataFile Name :	077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.21	3.19	3.20	3.20	0.28	ppb
Vanadium	51-2	57.65	58.13	57.41	57.73	0.64	ppb
Yttrium	89-1				135		%
Yttrium	89-2				134		%
Zinc	66-2	57.47	58.35	57.69	57.84	0.79	ppb
Zirconium	90-1	6.31	6.39	6.50	6.40	1.48	ppb
Zirconium	91-1	6.48	6.22	6.49	6.40	2.36	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:35:57	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3255.39	3249.47	3277.29	3260.72	0.45	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	1.78	ppb
Arsenic	75-2	0.81	0.91	0.65	0.79	16.46	ppb
Barium	135-1	13.30	13.81	13.67	13.59	1.96	ppb
Barium	137-1	13.44	13.63	13.49	13.52	0.71	ppb
Beryllium	9-1	0.18	0.16	0.20	0.18	11.32	ppb
Bismuth	209-1				108		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.31	0.02	0.13	0.15	96.41	ppb
Cadmium	106-1	-0.26	-0.95	-0.81	-0.68		ppb
Cadmium	111-1	-0.03	-0.07	-0.07	-0.05		ppb
Calcium	43-1	261.06	249.75	262.72	257.84	2.74	ppb
Calcium	44-1	267.81	266.32	267.48	267.20	0.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.46	9.51	9.56	9.51	0.53	ppb
Cobalt	59-2	1.10	1.06	1.15	1.11	4.12	ppb
Copper	63-2	6.29	6.14	6.26	6.23	1.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	2926.52	2926.43	2959.99	2937.65	0.66	ppb
Iron	57-2	3017.70	2980.74	3051.24	3016.56	1.17	ppb
Iron	54-2	3061.46	3049.34	3052.76	3054.52	0.20	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:35:57	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.24	4.29	4.37	4.30	1.44	ppb
Lead	207-1	4.02	4.09	4.16	4.09	1.72	ppb
Lead	208-1	4.09	4.16	4.20	4.15	1.39	ppb
Lithium	6-1				108		%
Magnesium	24-2	448.51	452.38	456.70	452.53	0.91	ppb
Manganese	55-2	24.02	24.04	24.25	24.10	0.53	ppb
Molybdenum	94-1	2.74	2.72	2.73	2.73	0.39	ppb
Molybdenum	95-1	0.05	0.04	0.07	0.05	26.24	ppb
Molybdenum	96-1	0.37	0.34	0.39	0.37	6.95	ppb
Molybdenum	97-1	0.03	0.02	0.04	0.03	46.60	ppb
Molybdenum	98-1	0.05	0.05	0.05	0.05	3.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.01	2.89	2.93	2.94	1.97	ppb
Phosphorus	31-2	15.98	22.82	27.95	22.25	26.97	ppb
Potassium	39-2	344.25	349.67	348.28	347.40	0.81	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				109		%
Scandium	45-2				102		%
Selenium	82-1	0.44	1.19	0.56	0.73	55.22	ppb
Selenium	77-2	4.69	8.23	6.11	6.34	28.07	ppb
Selenium	78-2	3.54	0.52	0.70	1.59	106.87	ppb
Silicon	28-1	67.33	67.12	65.58	66.68	1.44	ppb
Silver	107-1	0.06	0.06	0.07	0.06	12.96	ppb
Silver	109-1	0.06	0.07	0.07	0.07	7.60	ppb
Sodium	23-2	171.98	170.09	168.37	170.14	1.06	ppb
Strontium	86-1	2.44	2.46	2.69	2.53	5.57	ppb
Strontium	88-1	2.47	2.52	2.49	2.49	1.04	ppb
Sulfur	34-1	-1562.94	-1552.67	-1588.31	-1567.97		ppb
Terbium	159-1				103		%
Terbium	159-2				105		%
Thallium	203-1	0.05	0.05	0.07	0.06	15.51	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	4.26	ppb
Tin	118-1	2.01	2.04	2.03	2.03	0.59	ppb
Titanium	47-1	64.79	66.58	66.47	65.95	1.52	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:35:57	DataFile Name :	078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.58	0.57	0.59	0.58	1.53	ppb
Vanadium	51-2	11.26	11.55	11.24	11.35	1.53	ppb
Yttrium	89-1				108		%
Yttrium	89-2				108		%
Zinc	66-2	11.51	11.75	11.55	11.60	1.12	ppb
Zirconium	90-1	1.39	1.40	1.51	1.43	4.39	ppb
Zirconium	91-1	1.39	1.40	1.38	1.39	0.96	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LDLX25	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	25
Date & Time Acquired ::	2024-08-25 20:39:12	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	654.55	663.30	679.32	665.72	1.89	ppb
Antimony	121-1	0.11	0.11	0.09	0.11	10.29	ppb
Arsenic	75-2	0.22	0.17	0.16	0.18	17.57	ppb
Barium	135-1	2.58	2.80	2.60	2.66	4.62	ppb
Barium	137-1	2.79	2.88	2.76	2.81	2.21	ppb
Beryllium	9-1	0.04	0.03	0.03	0.03	14.87	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.14	-0.04	0.06	159.04	ppb
Cadmium	106-1	-0.38	-1.08	-1.10	-0.85		ppb
Cadmium	111-1	-0.05	-0.09	-0.09	-0.08		ppb
Calcium	43-1	51.01	44.10	52.80	49.31	9.32	ppb
Calcium	44-1	47.07	44.98	45.09	45.71	2.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.83	1.77	1.78	1.79	1.83	ppb
Cobalt	59-2	0.20	0.20	0.21	0.20	4.30	ppb
Copper	63-2	1.26	1.16	1.37	1.26	8.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	619.25	620.53	613.21	617.66	0.63	ppb
Iron	57-2	626.71	622.60	611.48	620.26	1.27	ppb
Iron	54-2	626.60	621.81	624.12	624.18	0.38	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LDLX25	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	25
Date & Time Acquired ::	2024-08-25 20:39:12	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.87	0.82	0.82	0.84	3.23	ppb
Lead	207-1	0.75	0.79	0.81	0.78	3.69	ppb
Lead	208-1	0.81	0.81	0.80	0.81	0.45	ppb
Lithium	6-1				107		%
Magnesium	24-2	92.72	91.82	91.06	91.87	0.91	ppb
Manganese	55-2	4.93	4.87	4.71	4.84	2.38	ppb
Molybdenum	94-1	0.53	0.55	0.55	0.54	2.61	ppb
Molybdenum	95-1	0.00	-0.01	-0.01	0.00		ppb
Molybdenum	96-1	0.05	0.06	0.06	0.05	6.85	ppb
Molybdenum	97-1	-0.01	-0.03	-0.01	-0.02		ppb
Molybdenum	98-1	0.00	-0.02	0.00	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.41	0.50	0.49	0.47	10.90	ppb
Phosphorus	31-2	-2.77	1.16	-5.51	-2.37		ppb
Potassium	39-2	63.02	62.48	59.59	61.70	2.98	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				101		%
Selenium	82-1	0.62	0.27	1.09	0.66	62.59	ppb
Selenium	77-2	2.03	0.95	0.59	1.19	63.02	ppb
Selenium	78-2	1.32	2.02	0.44	1.26	62.96	ppb
Silicon	28-1	14.24	14.65	14.03	14.30	2.21	ppb
Silver	107-1	0.03	0.01	0.01	0.02	38.42	ppb
Silver	109-1	0.01	0.01	0.01	0.01	9.26	ppb
Sodium	23-2	40.78	40.04	40.91	40.58	1.17	ppb
Strontium	86-1	0.53	0.50	0.51	0.51	2.78	ppb
Strontium	88-1	0.54	0.51	0.51	0.52	3.47	ppb
Sulfur	34-1	-1447.08	-1624.45	-1529.64	-1533.73		ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.01	0.01	34.10	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	31.16	ppb
Tin	118-1	0.40	0.38	0.39	0.39	1.86	ppb
Titanium	47-1	13.47	12.91	13.32	13.24	2.17	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LDLX25	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	25
Date & Time Acquired ::	2024-08-25 20:39:12	DataFile Name :	079SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.11	0.12	0.12	0.12	2.67	ppb
Vanadium	51-2	2.25	2.24	2.29	2.26	1.15	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	1.74	1.62	1.32	1.56	13.87	ppb
Zirconium	90-1	0.28	0.30	0.30	0.29	2.65	ppb
Zirconium	91-1	0.35	0.28	0.30	0.31	11.54	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MS	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:42:31	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23971.79	23345.93	24401.37	23906.36	2.22	ppb
Antimony	121-1	494.16	516.24	509.51	506.64	2.23	ppb
Arsenic	75-2	419.81	433.92	428.80	427.51	1.67	ppb
Barium	135-1	2471.47	2503.88	2519.29	2498.21	0.98	ppb
Barium	137-1	2479.64	2580.66	2543.50	2534.60	2.02	ppb
Beryllium	9-1	570.19	540.92	533.87	548.33	3.51	ppb
Bismuth	209-1				110		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	523.66	545.82	543.93	537.81	2.28	ppb
Cadmium	106-1	530.63	542.29	536.28	536.40	1.09	ppb
Cadmium	111-1	513.36	527.91	531.13	524.13	1.81	ppb
Calcium	43-1	54173.36	55920.82	55695.13	55263.10	1.72	ppb
Calcium	44-1	48971.39	50195.40	50095.48	49754.09	1.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	507.01	501.32	512.09	506.81	1.06	ppb
Cobalt	59-2	492.80	486.30	494.97	491.36	0.92	ppb
Copper	63-2	4797.96	4786.94	4889.87	4824.92	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				109		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	38216.28	38375.63	38769.59	38453.83	0.74	ppb
Iron	57-2	38461.99	37860.42	38867.22	38396.54	1.32	ppb
Iron	54-2	39192.77	38996.20	39036.41	39075.13	0.27	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MS	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:42:31	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2544.21	2613.34	2513.81	2557.12	1.99	ppb
Lead	207-1	2547.71	2493.57	2542.52	2527.94	1.18	ppb
Lead	208-1	2563.70	2535.13	2519.51	2539.45	0.88	ppb
Lithium	6-1				118		%
Magnesium	24-2	49935.68	48769.80	50309.44	49671.64	1.62	ppb
Manganese	55-2	4876.04	4811.35	4930.15	4872.51	1.22	ppb
Molybdenum	94-1	5479.17	5651.30	5499.84	5543.44	1.70	ppb
Molybdenum	95-1	5608.14	5633.34	5725.21	5655.56	1.09	ppb
Molybdenum	96-1	5653.04	5610.62	5685.21	5649.62	0.66	ppb
Molybdenum	97-1	5780.45	5744.06	5795.27	5773.26	0.46	ppb
Molybdenum	98-1	5679.82	5853.26	5718.55	5750.55	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.45	476.77	488.60	482.27	1.23	ppb
Phosphorus	31-2	173.79	185.24	202.97	187.33	7.85	ppb
Potassium	39-2	25137.47	25190.14	25490.15	25272.59	0.75	ppb
Rhodium	103-1				104		%
Rhodium	103-2				100		%
Scandium	45-1				119		%
Scandium	45-2				108		%
Selenium	82-1	418.88	421.62	415.57	418.69	0.72	ppb
Selenium	77-2	461.08	443.79	441.40	448.76	2.39	ppb
Selenium	78-2	428.04	433.77	433.12	431.64	0.73	ppb
Silicon	28-1	326.40	335.34	346.30	336.02	2.97	ppb
Silver	107-1	158.37	377.16	285.88	273.81	40.14	ppb
Silver	109-1	241.83	274.00	598.63	371.49	53.13	ppb
Sodium	23-2	48543.35	47906.92	48289.88	48246.72	0.66	ppb
Strontium	86-1	9357.46	9334.04	9468.29	9386.60	0.76	ppb
Strontium	88-1	9297.64	9520.83	9302.69	9373.72	1.36	ppb
Sulfur	34-1	-1778.09	-1554.54	-1465.48	-1599.37		ppb
Terbium	159-1				107		%
Terbium	159-2				108		%
Thallium	203-1	505.88	506.96	495.95	502.93	1.21	ppb
Thallium	205-1	494.88	500.89	502.81	499.52	0.83	ppb
Tin	118-1	477.66	502.02	501.32	493.67	2.81	ppb
Titanium	47-1	5779.05	5841.15	5800.01	5806.74	0.54	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MS	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:42:31	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	501.38	497.51	499.02	499.31	0.39	ppb
Vanadium	51-2	537.51	541.09	539.85	539.48	0.34	ppb
Yttrium	89-1				134		%
Yttrium	89-2				125		%
Zinc	66-2	4965.99	4988.02	5059.32	5004.44	0.97	ppb
Zirconium	90-1	410.82	420.93	410.11	413.95	1.46	ppb
Zirconium	91-1	405.96	409.52	411.25	408.91	0.66	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:45:18	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5013.76	4995.95	5012.58	5007.43	0.20	ppb
Antimony	121-1	93.50	95.07	95.88	94.81	1.28	ppb
Arsenic	75-2	96.06	98.27	97.96	97.43	1.23	ppb
Barium	135-1	456.48	458.82	455.86	457.05	0.34	ppb
Barium	137-1	461.36	468.19	464.08	464.54	0.74	ppb
Beryllium	9-1	104.86	105.37	107.97	106.07	1.57	ppb
Bismuth	209-1				108		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	104.63	107.44	109.71	107.26	2.38	ppb
Cadmium	106-1	100.44	103.97	103.74	102.72	1.93	ppb
Cadmium	111-1	104.03	103.85	105.12	104.33	0.66	ppb
Calcium	43-1	11543.34	11407.58	11589.12	11513.35	0.82	ppb
Calcium	44-1	10434.82	10497.64	10381.90	10438.12	0.56	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	105.54	106.35	105.83	105.91	0.39	ppb
Cobalt	59-2	100.74	102.24	101.48	101.49	0.74	ppb
Copper	63-2	1016.93	1045.43	1023.90	1028.75	1.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	7985.31	7917.36	7913.20	7938.62	0.51	ppb
Iron	57-2	8195.62	8292.61	8263.84	8250.69	0.60	ppb
Iron	54-2	8396.45	8429.05	8420.48	8415.33	0.20	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:45:18	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	493.80	497.67	493.89	495.12	0.45	ppb
Lead	207-1	486.46	501.10	482.48	490.01	2.00	ppb
Lead	208-1	487.17	499.65	487.62	491.48	1.44	ppb
Lithium	6-1				113		%
Magnesium	24-2	10298.31	10236.39	10240.43	10258.37	0.34	ppb
Manganese	55-2	999.09	1013.37	999.81	1004.09	0.80	ppb
Molybdenum	94-1	1313.14	1304.58	1272.32	1296.68	1.66	ppb
Molybdenum	95-1	1333.14	1325.92	1307.31	1322.12	1.01	ppb
Molybdenum	96-1	1312.69	1331.75	1348.14	1330.86	1.33	ppb
Molybdenum	97-1	1303.46	1361.13	1317.55	1327.38	2.26	ppb
Molybdenum	98-1	1310.79	1336.99	1292.88	1313.56	1.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.77	101.79	100.56	101.37	0.69	ppb
Phosphorus	31-2	23.25	32.04	28.74	28.01	15.85	ppb
Potassium	39-2	5188.41	5298.63	5159.84	5215.63	1.41	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				108		%
Scandium	45-2				100		%
Selenium	82-1	98.99	99.57	99.24	99.27	0.29	ppb
Selenium	77-2	88.48	104.96	101.38	98.27	8.82	ppb
Selenium	78-2	92.98	98.53	101.63	97.71	4.48	ppb
Silicon	28-1	69.80	70.77	72.39	70.99	1.84	ppb
Silver	107-1	91.21	93.63	93.10	92.65	1.37	ppb
Silver	109-1	91.29	92.31	92.95	92.18	0.91	ppb
Sodium	23-2	9769.99	9815.34	9839.31	9808.21	0.36	ppb
Strontium	86-1	2191.32	2279.68	2244.64	2238.55	1.99	ppb
Strontium	88-1	2208.98	2242.99	2276.44	2242.81	1.50	ppb
Sulfur	34-1	-1155.03	-1161.09	-1205.16	-1173.76		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	84.61	86.69	86.45	85.92	1.33	ppb
Thallium	205-1	84.49	86.83	85.82	85.71	1.36	ppb
Tin	118-1	92.27	93.49	93.71	93.16	0.84	ppb
Titanium	47-1	1203.29	1226.55	1227.37	1219.07	1.12	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:45:18	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	83.63	84.70	84.30	84.21	0.64	ppb
Vanadium	51-2	110.35	110.56	109.53	110.15	0.49	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	1038.95	1032.82	1027.57	1033.11	0.55	ppb
Zirconium	90-1	93.35	96.92	95.17	95.14	1.88	ppb
Zirconium	91-1	94.88	95.96	95.61	95.48	0.58	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSD	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:48:20	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24066.35	24127.46	24230.39	24141.40	0.34	ppb
Antimony	121-1	526.65	533.34	528.45	529.48	0.65	ppb
Arsenic	75-2	437.88	433.14	424.70	431.90	1.55	ppb
Barium	135-1	2492.14	2543.96	2511.36	2515.82	1.04	ppb
Barium	137-1	2511.71	2574.19	2535.93	2540.61	1.24	ppb
Beryllium	9-1	559.30	559.61	554.28	557.73	0.54	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	547.88	554.62	553.48	551.99	0.65	ppb
Cadmium	106-1	540.13	551.02	551.37	547.51	1.17	ppb
Cadmium	111-1	533.04	541.19	539.40	537.88	0.80	ppb
Calcium	43-1	55459.71	55154.59	56368.85	55661.05	1.13	ppb
Calcium	44-1	50266.80	50497.55	50546.15	50436.83	0.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	516.31	524.50	529.90	523.57	1.31	ppb
Cobalt	59-2	507.98	499.45	519.42	508.95	1.97	ppb
Copper	63-2	4900.99	4884.86	4849.47	4878.44	0.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				111		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	39206.15	38756.80	39801.26	39254.74	1.33	ppb
Iron	57-2	39500.98	38218.52	38999.23	38906.24	1.66	ppb
Iron	54-2	40404.35	39804.32	39028.76	39745.81	1.74	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSD	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:48:20	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2592.87	2656.24	2576.52	2608.54	1.61	ppb
Lead	207-1	2545.08	2604.94	2564.44	2571.49	1.19	ppb
Lead	208-1	2560.25	2615.47	2573.63	2583.12	1.12	ppb
Lithium	6-1				118		%
Magnesium	24-2	50159.85	49677.78	49750.24	49862.62	0.52	ppb
Manganese	55-2	5011.14	4946.64	4971.51	4976.43	0.65	ppb
Molybdenum	94-1	5615.25	5570.67	5654.75	5613.56	0.75	ppb
Molybdenum	95-1	5951.70	5753.89	5934.53	5880.04	1.86	ppb
Molybdenum	96-1	5897.62	5868.39	5744.08	5836.70	1.40	ppb
Molybdenum	97-1	5987.56	5865.74	5894.97	5916.09	1.07	ppb
Molybdenum	98-1	6015.16	5750.52	5745.62	5837.10	2.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	498.13	498.66	503.39	500.06	0.58	ppb
Phosphorus	31-2	258.96	283.84	278.39	273.73	4.78	ppb
Potassium	39-2	25490.27	25903.09	25652.27	25681.88	0.81	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				118		%
Scandium	45-2				107		%
Selenium	82-1	449.64	439.15	438.36	442.38	1.42	ppb
Selenium	77-2	468.00	470.99	454.01	464.33	1.95	ppb
Selenium	78-2	435.69	435.76	431.45	434.30	0.57	ppb
Silicon	28-1	347.61	340.63	354.11	347.45	1.94	ppb
Silver	107-1	246.56	841.85	525.33	537.92	55.37	ppb
Silver	109-1	312.39	521.12	710.94	514.81	38.72	ppb
Sodium	23-2	48329.95	48636.94	48375.69	48447.53	0.34	ppb
Strontium	86-1	9746.14	9629.08	9624.82	9666.68	0.71	ppb
Strontium	88-1	9802.88	9594.04	9761.19	9719.37	1.14	ppb
Sulfur	34-1	-1606.89	-1508.14	-1366.27	-1493.77		ppb
Terbium	159-1				109		%
Terbium	159-2				110		%
Thallium	203-1	526.36	512.70	515.87	518.31	1.38	ppb
Thallium	205-1	517.59	523.66	520.88	520.71	0.58	ppb
Tin	118-1	493.34	493.81	500.57	495.91	0.82	ppb
Titanium	47-1	5898.80	5941.60	5864.21	5901.54	0.66	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSD	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:48:20	DataFile Name :	082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	498.25	511.11	517.98	509.12	1.97	ppb
Vanadium	51-2	556.53	554.77	561.08	557.46	0.58	ppb
Yttrium	89-1				132		%
Yttrium	89-2				127		%
Zinc	66-2	5075.51	5125.81	5056.01	5085.78	0.71	ppb
Zirconium	90-1	428.44	419.35	427.50	425.10	1.18	ppb
Zirconium	91-1	430.73	421.10	430.45	427.43	1.28	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:51:04	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5061.00	5048.80	5035.64	5048.48	0.25	ppb
Antimony	121-1	98.66	98.90	101.52	99.69	1.59	ppb
Arsenic	75-2	102.17	101.26	98.12	100.51	2.11	ppb
Barium	135-1	456.54	464.72	468.64	463.30	1.33	ppb
Barium	137-1	464.55	467.18	473.64	468.45	1.00	ppb
Beryllium	9-1	110.75	110.15	110.88	110.59	0.35	ppb
Bismuth	209-1				109		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	110.15	109.97	108.18	109.43	0.99	ppb
Cadmium	106-1	109.86	108.52	110.16	109.51	0.80	ppb
Cadmium	111-1	107.37	107.58	110.07	108.34	1.39	ppb
Calcium	43-1	11313.61	11631.56	11398.11	11447.76	1.44	ppb
Calcium	44-1	10382.60	10576.24	10354.74	10437.86	1.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	109.26	109.53	108.33	109.04	0.58	ppb
Cobalt	59-2	104.36	105.89	103.57	104.61	1.12	ppb
Copper	63-2	1041.93	1028.69	1021.57	1030.73	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				105		%
Holmium	165-2				109		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	8046.39	7984.10	7912.13	7980.87	0.84	ppb
Iron	57-2	8322.14	8343.41	8252.09	8305.88	0.58	ppb
Iron	54-2	8488.16	8539.37	8443.31	8490.28	0.57	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:51:04	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	499.16	498.52	489.91	495.86	1.04	ppb
Lead	207-1	495.65	497.49	487.65	493.59	1.06	ppb
Lead	208-1	493.59	495.81	488.42	492.61	0.77	ppb
Lithium	6-1				112		%
Magnesium	24-2	10382.63	10320.53	10120.68	10274.61	1.33	ppb
Manganese	55-2	1000.00	1020.36	1010.62	1010.32	1.01	ppb
Molybdenum	94-1	1279.48	1304.50	1342.97	1308.98	2.44	ppb
Molybdenum	95-1	1355.38	1343.99	1337.93	1345.77	0.66	ppb
Molybdenum	96-1	1357.70	1364.44	1325.11	1349.08	1.56	ppb
Molybdenum	97-1	1317.49	1342.45	1402.40	1354.11	3.22	ppb
Molybdenum	98-1	1330.41	1317.69	1373.52	1340.54	2.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.05	105.82	103.70	104.85	1.02	ppb
Phosphorus	31-2	41.71	53.16	38.77	44.55	17.06	ppb
Potassium	39-2	5169.11	5315.24	5276.61	5253.65	1.44	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				109		%
Scandium	45-2				101		%
Selenium	82-1	100.69	102.47	102.37	101.84	0.98	ppb
Selenium	77-2	109.21	101.09	102.25	104.19	4.22	ppb
Selenium	78-2	102.08	101.26	98.99	100.78	1.59	ppb
Silicon	28-1	70.65	70.58	74.70	71.98	3.28	ppb
Silver	107-1	92.67	92.96	95.37	93.67	1.58	ppb
Silver	109-1	90.64	93.51	94.52	92.89	2.16	ppb
Sodium	23-2	9857.88	9893.82	9820.62	9857.44	0.37	ppb
Strontium	86-1	2205.73	2192.20	2243.52	2213.82	1.20	ppb
Strontium	88-1	2215.40	2237.87	2217.38	2223.55	0.56	ppb
Sulfur	34-1	-1186.26	-1107.39	-1220.19	-1171.28		ppb
Terbium	159-1				104		%
Terbium	159-2				107		%
Thallium	203-1	87.95	89.03	86.97	87.98	1.17	ppb
Thallium	205-1	88.45	89.68	87.88	88.67	1.03	ppb
Tin	118-1	93.37	93.26	95.93	94.18	1.61	ppb
Titanium	47-1	1213.14	1252.36	1230.67	1232.06	1.59	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:51:04	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	87.37	87.74	86.39	87.17	0.80	ppb
Vanadium	51-2	113.24	112.96	112.98	113.06	0.14	ppb
Yttrium	89-1				108		%
Yttrium	89-2				107		%
Zinc	66-2	1037.96	1036.91	1032.58	1035.82	0.28	ppb
Zirconium	90-1	97.39	98.48	99.61	98.50	1.13	ppb
Zirconium	91-1	97.03	99.10	99.53	98.55	1.35	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08A	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:54:06	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24813.47	24945.78	24928.69	24895.98	0.29	ppb
Antimony	121-1	511.30	516.07	521.23	516.20	0.96	ppb
Arsenic	75-2	439.77	433.04	440.88	437.90	0.97	ppb
Barium	135-1	2478.97	2490.76	2480.25	2483.33	0.26	ppb
Barium	137-1	2482.00	2523.33	2507.28	2504.20	0.83	ppb
Beryllium	9-1	540.56	547.75	546.46	544.92	0.70	ppb
Bismuth	209-1				113		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	537.39	544.18	544.28	541.95	0.73	ppb
Cadmium	106-1	527.31	544.58	536.59	536.16	1.61	ppb
Cadmium	111-1	530.74	532.33	541.91	534.99	1.13	ppb
Calcium	43-1	56017.20	57319.75	55991.47	56442.81	1.35	ppb
Calcium	44-1	51341.56	51945.70	51189.47	51492.24	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.00	512.21	519.92	517.38	0.87	ppb
Cobalt	59-2	511.53	508.02	511.38	510.31	0.39	ppb
Copper	63-2	4913.00	4829.46	4765.17	4835.88	1.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				113		%
Indium	115-1				107		%
Indium	115-2				103		%
Iron	56-2	38142.52	38662.12	38756.63	38520.42	0.86	ppb
Iron	57-2	37707.28	38701.81	39257.23	38555.44	2.04	ppb
Iron	54-2	38766.57	38543.42	39388.04	38899.34	1.13	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08A	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:54:06	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2533.21	2521.42	2554.44	2536.36	0.66	ppb
Lead	207-1	2495.11	2491.30	2501.12	2495.84	0.20	ppb
Lead	208-1	2493.85	2512.17	2509.19	2505.07	0.39	ppb
Lithium	6-1				122		%
Magnesium	24-2	48690.65	49881.03	50139.95	49570.54	1.56	ppb
Manganese	55-2	4769.03	4824.52	4854.73	4816.09	0.90	ppb
Molybdenum	94-1	5665.45	5640.43	5653.36	5653.08	0.22	ppb
Molybdenum	95-1	5778.12	5817.89	5725.32	5773.78	0.80	ppb
Molybdenum	96-1	5793.48	5866.58	5797.08	5819.05	0.71	ppb
Molybdenum	97-1	5834.35	5774.28	5947.19	5851.94	1.50	ppb
Molybdenum	98-1	5833.02	5737.99	5870.66	5813.89	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.02	495.01	498.60	495.54	0.57	ppb
Phosphorus	31-2	217.44	236.92	203.26	219.21	7.71	ppb
Potassium	39-2	25584.11	25669.30	25654.81	25636.07	0.18	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				120		%
Scandium	45-2				109		%
Selenium	82-1	433.48	439.17	442.59	438.41	1.05	ppb
Selenium	77-2	443.37	452.78	477.69	457.94	3.87	ppb
Selenium	78-2	424.14	439.07	433.33	432.18	1.74	ppb
Silicon	28-1	447.02	432.08	438.52	439.21	1.71	ppb
Silver	107-1	298.69	429.08	353.13	360.30	18.18	ppb
Silver	109-1	209.61	344.12	162.26	238.66	39.53	ppb
Sodium	23-2	47890.75	48075.82	47578.22	47848.26	0.53	ppb
Strontium	86-1	9401.96	9547.83	9711.48	9553.76	1.62	ppb
Strontium	88-1	9608.61	9627.55	9718.19	9651.45	0.61	ppb
Sulfur	34-1	-1501.31	-1447.83	-1527.08	-1492.07		ppb
Terbium	159-1				110		%
Terbium	159-2				109		%
Thallium	203-1	509.82	514.59	531.44	518.62	2.19	ppb
Thallium	205-1	498.80	511.71	519.76	510.09	2.07	ppb
Tin	118-1	497.47	485.55	492.57	491.87	1.22	ppb
Titanium	47-1	5875.42	5899.93	5843.59	5872.98	0.48	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08A	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:54:06	DataFile Name :	084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	505.79	499.44	519.06	508.09	1.97	ppb
Vanadium	51-2	539.67	556.61	558.24	551.51	1.86	ppb
Yttrium	89-1				133		%
Yttrium	89-2				127		%
Zinc	66-2	4991.44	4984.97	4910.40	4962.27	0.91	ppb
Zirconium	90-1	426.60	430.67	432.07	429.78	0.66	ppb
Zirconium	91-1	428.37	428.77	429.91	429.02	0.19	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08ADLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:56:51	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5209.51	5193.30	5169.68	5190.83	0.39	ppb
Antimony	121-1	93.76	99.23	96.32	96.44	2.84	ppb
Arsenic	75-2	97.57	98.24	98.84	98.21	0.65	ppb
Barium	135-1	440.09	462.79	455.70	452.86	2.56	ppb
Barium	137-1	450.51	469.26	461.91	460.56	2.05	ppb
Beryllium	9-1	107.24	111.07	107.62	108.64	1.94	ppb
Bismuth	209-1				109		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	107.71	112.39	105.67	108.59	3.17	ppb
Cadmium	106-1	103.05	107.37	105.01	105.14	2.05	ppb
Cadmium	111-1	104.71	109.75	106.82	107.09	2.36	ppb
Calcium	43-1	11588.92	11617.83	11449.97	11552.24	0.78	ppb
Calcium	44-1	10121.72	10493.80	10296.96	10304.16	1.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	109.67	108.06	108.65	108.79	0.75	ppb
Cobalt	59-2	104.18	104.37	103.98	104.17	0.19	ppb
Copper	63-2	1022.49	1008.67	1026.01	1019.06	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				105		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	8070.02	7888.67	7878.65	7945.78	1.36	ppb
Iron	57-2	8347.88	8238.08	8281.95	8289.30	0.67	ppb
Iron	54-2	8436.48	8385.03	8360.34	8393.95	0.46	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08ADLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:56:51	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	483.57	475.41	473.56	477.51	1.11	ppb
Lead	207-1	478.00	480.34	470.70	476.35	1.06	ppb
Lead	208-1	483.86	479.48	480.67	481.34	0.47	ppb
Lithium	6-1				114		%
Magnesium	24-2	10045.48	10272.56	10318.69	10212.24	1.43	ppb
Manganese	55-2	1001.43	1002.27	994.74	999.48	0.41	ppb
Molybdenum	94-1	1256.11	1231.83	1266.62	1251.52	1.43	ppb
Molybdenum	95-1	1279.60	1290.29	1307.10	1292.33	1.07	ppb
Molybdenum	96-1	1259.15	1267.53	1289.14	1271.94	1.22	ppb
Molybdenum	97-1	1282.49	1287.71	1296.76	1288.98	0.56	ppb
Molybdenum	98-1	1278.02	1281.94	1310.54	1290.17	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.07	104.02	102.36	103.82	1.31	ppb
Phosphorus	31-2	37.24	30.78	32.35	33.46	10.07	ppb
Potassium	39-2	5256.10	5187.74	5157.65	5200.50	0.97	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				99		%
Selenium	82-1	99.58	97.34	98.77	98.56	1.15	ppb
Selenium	77-2	104.37	90.69	100.29	98.45	7.13	ppb
Selenium	78-2	99.74	97.90	103.06	100.23	2.61	ppb
Silicon	28-1	85.15	83.35	84.86	84.45	1.14	ppb
Silver	107-1	92.35	96.04	93.10	93.83	2.08	ppb
Silver	109-1	90.70	94.97	93.22	92.96	2.31	ppb
Sodium	23-2	9836.35	9769.19	9717.32	9774.29	0.61	ppb
Strontium	86-1	2129.27	2131.99	2166.67	2142.65	0.97	ppb
Strontium	88-1	2124.46	2153.91	2201.96	2160.11	1.81	ppb
Sulfur	34-1	-1210.98	-1178.67	-1314.83	-1234.83		ppb
Terbium	159-1				103		%
Terbium	159-2				105		%
Thallium	203-1	85.40	87.64	86.86	86.63	1.31	ppb
Thallium	205-1	86.76	87.02	86.86	86.88	0.15	ppb
Tin	118-1	90.05	94.92	93.11	92.69	2.66	ppb
Titanium	47-1	1186.34	1218.55	1187.39	1197.43	1.53	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08ADLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:56:51	DataFile Name :	085SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	84.43	86.17	85.83	85.48	1.08	ppb
Vanadium	51-2	114.91	111.79	113.38	113.36	1.38	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	1021.24	1020.15	1009.74	1017.05	0.62	ppb
Zirconium	90-1	93.25	94.95	94.84	94.35	1.01	ppb
Zirconium	91-1	93.09	95.20	96.28	94.86	1.71	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSR	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:59:53	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9730.52	9647.25	9670.36	9682.71	0.44	ppb
Antimony	121-1	527.41	511.92	525.27	521.54	1.61	ppb
Arsenic	75-2	534.56	536.05	524.72	531.78	1.16	ppb
Barium	135-1	2456.86	2357.32	2435.69	2416.62	2.17	ppb
Barium	137-1	2471.89	2411.26	2446.15	2443.10	1.25	ppb
Beryllium	9-1	557.46	577.58	569.86	568.30	1.79	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	553.26	539.58	548.79	547.21	1.27	ppb
Cadmium	106-1	544.41	537.53	549.04	543.66	1.07	ppb
Cadmium	111-1	542.01	525.40	536.24	534.55	1.58	ppb
Calcium	43-1	71472.74	73704.36	74395.10	73190.73	2.09	ppb
Calcium	44-1	69094.60	70953.58	71060.37	70369.52	1.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	521.58	515.37	513.68	516.88	0.81	ppb
Cobalt	59-2	557.06	536.61	529.24	540.97	2.66	ppb
Copper	63-2	5085.22	5046.88	5003.62	5045.24	0.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				107		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	29722.45	29558.70	28791.98	29357.71	1.69	ppb
Iron	57-2	29931.19	29153.18	29007.85	29364.07	1.69	ppb
Iron	54-2	29434.18	29383.99	29298.21	29372.13	0.23	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSR	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:59:53	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2535.68	2548.94	2461.32	2515.31	1.88	ppb
Lead	207-1	2543.74	2524.34	2505.72	2524.60	0.75	ppb
Lead	208-1	2519.89	2524.55	2507.33	2517.26	0.35	ppb
Lithium	6-1				113		%
Magnesium	24-2	53058.55	52964.43	52566.31	52863.10	0.49	ppb
Manganese	55-2	5349.70	5344.91	5389.18	5361.26	0.45	ppb
Molybdenum	94-1	6734.11	6666.84	6851.94	6750.96	1.39	ppb
Molybdenum	95-1	6951.92	6975.09	7001.16	6976.06	0.35	ppb
Molybdenum	96-1	6922.37	7007.36	7080.45	7003.39	1.13	ppb
Molybdenum	97-1	7042.62	7005.50	7278.27	7108.80	2.08	ppb
Molybdenum	98-1	6939.63	7015.24	7060.99	7005.29	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.69	518.14	518.71	518.18	0.10	ppb
Phosphorus	31-2	64.93	80.43	74.76	73.37	10.69	ppb
Potassium	39-2	27407.91	27035.71	26837.10	27093.58	1.07	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				104		%
Scandium	45-2				98		%
Selenium	82-1	524.77	524.67	542.45	530.63	1.93	ppb
Selenium	77-2	527.96	539.75	504.42	524.04	3.43	ppb
Selenium	78-2	519.55	532.29	524.33	525.39	1.23	ppb
Silicon	28-1	173.70	180.03	175.73	176.49	1.83	ppb
Silver	107-1	328.96	507.54	409.81	415.43	21.53	ppb
Silver	109-1	255.91	446.76	236.98	313.22	37.05	ppb
Sodium	23-2	111201.63	110478.80	108825.96	110168.80	1.11	ppb
Strontium	86-1	11523.11	11854.44	11866.93	11748.16	1.66	ppb
Strontium	88-1	11776.41	11610.49	12208.34	11865.08	2.60	ppb
Sulfur	34-1	1983.48	2218.91	2277.81	2160.07	7.21	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	530.36	519.93	532.68	527.66	1.29	ppb
Thallium	205-1	536.67	514.99	532.91	528.19	2.19	ppb
Tin	118-1	480.72	464.89	480.82	475.48	1.93	ppb
Titanium	47-1	5850.82	6239.05	5912.67	6000.85	3.48	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSR	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:59:53	DataFile Name :	086SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	531.47	536.36	536.03	534.62	0.51	ppb
Vanadium	51-2	546.34	540.99	538.04	541.79	0.78	ppb
Yttrium	89-1				104		%
Yttrium	89-2				100		%
Zinc	66-2	5175.21	5201.40	5128.12	5168.24	0.72	ppb
Zirconium	90-1	517.01	515.48	526.23	519.58	1.12	ppb
Zirconium	91-1	507.45	509.83	523.79	513.69	1.72	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:02:38	DataFile Name :	087CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50924.90	54056.21	45125.72	50035.61	9.06	ppb
Antimony	121-1	492.24	491.52	495.68	493.15	0.45	ppb
Arsenic	75-2	480.10	526.75	440.68	482.51	8.93	ppb
Barium	135-1	2397.83	2400.27	2373.13	2390.41	0.63	ppb
Barium	137-1	2393.60	2393.44	2402.82	2396.62	0.22	ppb
Beryllium	9-1	509.49	494.03	508.58	504.03	1.72	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	479.97	465.31	493.73	479.67	2.96	ppb
Cadmium	106-1	481.74	477.19	488.44	482.46	1.17	ppb
Cadmium	111-1	465.18	470.21	477.58	470.99	1.32	ppb
Calcium	43-1	249363.27	252541.36	257890.90	253265.18	1.70	ppb
Calcium	44-1	248575.46	249445.36	259392.70	252471.17	2.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	485.71	523.34	439.78	482.94	8.67	ppb
Cobalt	59-2	482.33	510.05	431.47	474.61	8.40	ppb
Copper	63-2	4836.92	5218.39	4341.93	4799.08	9.16	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				107		%
Holmium	165-2				109		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	127969.83	138377.88	114332.06	126893.26	9.50	ppb
Iron	57-2	127764.38	136953.62	115870.66	126862.88	8.33	ppb
Iron	54-2	130260.91	137533.14	113834.34	127209.46	9.54	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:02:38	DataFile Name :	087CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2421.55	2501.76	2465.91	2463.07	1.63	ppb
Lead	207-1	2419.34	2476.51	2401.91	2432.59	1.60	ppb
Lead	208-1	2397.11	2479.61	2450.36	2442.36	1.71	ppb
Lithium	6-1				119		%
Magnesium	24-2	253223.08	271521.89	224668.11	249804.36	9.45	ppb
Manganese	55-2	4897.43	5167.17	4338.95	4801.19	8.80	ppb
Molybdenum	94-1	5332.26	5181.13	5333.62	5282.34	1.66	ppb
Molybdenum	95-1	5220.17	5268.57	5259.10	5249.28	0.49	ppb
Molybdenum	96-1	5225.30	5382.51	5361.89	5323.23	1.60	ppb
Molybdenum	97-1	5385.00	5381.91	5415.77	5394.23	0.35	ppb
Molybdenum	98-1	5323.96	5268.80	5305.25	5299.34	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	469.07	500.89	418.10	462.68	9.03	ppb
Phosphorus	31-2	9673.80	10384.67	8695.30	9584.59	8.85	ppb
Potassium	39-2	124262.77	133646.32	112437.40	123448.83	8.61	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				108		%
Scandium	45-2				99		%
Selenium	82-1	481.11	483.15	479.50	481.25	0.38	ppb
Selenium	77-2	460.06	499.22	448.13	469.14	5.70	ppb
Selenium	78-2	463.64	512.56	426.13	467.44	9.27	ppb
Silicon	28-1	499.78	510.23	516.14	508.72	1.63	ppb
Silver	107-1	472.33	474.74	484.66	477.24	1.37	ppb
Silver	109-1	482.65	491.00	484.82	486.16	0.89	ppb
Sodium	23-2	253455.38	278590.69	231254.91	254433.66	9.31	ppb
Strontium	86-1	11935.59	11912.67	12171.34	12006.53	1.19	ppb
Strontium	88-1	11861.90	12111.57	12156.73	12043.40	1.32	ppb
Sulfur	34-1	8795.34	8838.41	9192.85	8942.20	2.44	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	488.45	501.43	499.35	496.41	1.40	ppb
Thallium	205-1	483.09	489.69	487.60	486.79	0.69	ppb
Tin	118-1	485.88	488.00	485.82	486.56	0.26	ppb
Titanium	47-1	5294.93	5334.68	5438.74	5356.12	1.39	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:02:38	DataFile Name :	087CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	488.14	491.74	494.66	491.51	0.67	ppb
Vanadium	51-2	492.16	534.84	445.04	490.68	9.15	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	4907.44	5208.36	4362.18	4825.99	8.89	ppb
Zirconium	90-1	491.96	485.15	492.96	490.02	0.87	ppb
Zirconium	91-1	479.06	480.83	487.68	482.52	0.94	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:14:03	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.20	-0.91	-1.30	-1.14		ppb
Antimony	121-1	0.04	0.06	0.07	0.06	31.24	ppb
Arsenic	75-2	0.01	-0.03	-0.01	-0.01		ppb
Barium	135-1	-0.01	0.00	-0.02	-0.01		ppb
Barium	137-1	0.00	0.01	0.01	0.01	55.92	ppb
Beryllium	9-1	0.03	0.05	0.05	0.04	20.29	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	-0.04	-0.04	-0.03		ppb
Cadmium	106-1	-3.15	-2.42	-1.91	-2.49		ppb
Cadmium	111-1	-0.23	-0.19	-0.14	-0.18		ppb
Calcium	43-1	-8.54	-7.19	-1.38	-5.70		ppb
Calcium	44-1	-9.63	-10.89	-9.22	-9.91		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.28	-0.28	-0.26	-0.27		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.03	0.04	0.01	0.02	65.01	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	-1.58	-1.73	-1.30	-1.54		ppb
Iron	57-2	-3.01	-4.72	-1.69	-3.14		ppb
Iron	54-2	-0.88	-1.54	-1.33	-1.25		ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:14:03	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	-0.01	-0.01	-0.01		ppb
Lead	207-1	-0.01	0.00	0.00	0.00		ppb
Lead	208-1	0.00	-0.01	-0.01	0.00		ppb
Lithium	6-1				109		%
Magnesium	24-2	1.68	0.94	1.25	1.29	28.50	ppb
Manganese	55-2	-0.02	-0.04	-0.06	-0.04		ppb
Molybdenum	94-1	0.03	-0.01	0.04	0.02	136.89	ppb
Molybdenum	95-1	0.03	0.02	0.01	0.02	31.53	ppb
Molybdenum	96-1	0.01	0.01	0.04	0.02	70.94	ppb
Molybdenum	97-1	0.02	0.00	0.01	0.01	89.99	ppb
Molybdenum	98-1	0.01	0.01	0.00	0.01	48.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.18	-0.18	-0.20	-0.19		ppb
Phosphorus	31-2	-11.69	-17.12	-16.75	-15.19		ppb
Potassium	39-2	-6.16	-3.33	-5.35	-4.95		ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				105		%
Scandium	45-2				99		%
Selenium	82-1	-0.17	0.09	-0.09	-0.06		ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	1.66	0.16	-0.40	0.47	226.45	ppb
Silicon	28-1	-0.47	-0.54	-0.39	-0.47		ppb
Silver	107-1	0.03	0.01	0.01	0.02	54.10	ppb
Silver	109-1	0.02	0.02	0.01	0.02	46.07	ppb
Sodium	23-2	20.78	20.63	18.79	20.06	5.51	ppb
Strontium	86-1	0.05	0.02	0.04	0.04	38.04	ppb
Strontium	88-1	0.06	0.05	0.04	0.05	15.96	ppb
Sulfur	34-1	-377.11	-453.65	-206.37	-345.71		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.00	0.01	0.00	0.00	110.09	ppb
Thallium	205-1	0.01	0.00	0.01	0.01	20.32	ppb
Tin	118-1	0.00	0.01	0.05	0.02	132.01	ppb
Titanium	47-1	0.00	-0.02	0.01	0.00		ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:14:03	DataFile Name :	089CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	42.23	ppb
Vanadium	51-2	0.00	0.01	0.02	0.01	62.27	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	-0.90	-0.56	-0.53	-0.66		ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	23.36	ppb
Zirconium	91-1	0.01	0.00	0.03	0.01	86.66	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSDI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:17:20	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9744.88	9675.41	9726.89	9715.73	0.37	ppb
Antimony	121-1	517.57	524.55	518.71	520.28	0.72	ppb
Arsenic	75-2	534.83	532.64	521.52	529.66	1.35	ppb
Barium	135-1	2463.23	2456.78	2437.10	2452.37	0.55	ppb
Barium	137-1	2474.59	2493.54	2518.05	2495.40	0.87	ppb
Beryllium	9-1	556.13	583.99	569.14	569.75	2.45	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	547.96	545.48	553.12	548.85	0.71	ppb
Cadmium	106-1	537.56	540.12	541.12	539.60	0.34	ppb
Cadmium	111-1	527.79	541.96	538.07	535.94	1.37	ppb
Calcium	43-1	73310.18	74125.92	74002.50	73812.87	0.60	ppb
Calcium	44-1	68668.29	70394.66	70602.98	69888.64	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	518.93	516.59	516.44	517.32	0.27	ppb
Cobalt	59-2	541.38	542.39	547.55	543.77	0.61	ppb
Copper	63-2	5111.20	4985.44	4986.09	5027.58	1.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	28997.13	28977.31	29256.06	29076.83	0.53	ppb
Iron	57-2	29312.52	29068.61	29427.27	29269.47	0.63	ppb
Iron	54-2	29050.30	29808.98	29404.53	29421.27	1.29	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:17:20	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2558.89	2532.94	2500.82	2530.88	1.15	ppb
Lead	207-1	2494.98	2552.05	2482.50	2509.84	1.48	ppb
Lead	208-1	2505.67	2513.03	2483.76	2500.82	0.61	ppb
Lithium	6-1				112		%
Magnesium	24-2	52971.40	52778.68	52923.33	52891.14	0.19	ppb
Manganese	55-2	5244.35	5397.27	5342.86	5328.16	1.45	ppb
Molybdenum	94-1	6669.56	7035.85	6993.90	6899.77	2.91	ppb
Molybdenum	95-1	6939.25	7211.71	7238.54	7129.83	2.32	ppb
Molybdenum	96-1	7023.54	7058.92	7061.60	7048.02	0.30	ppb
Molybdenum	97-1	6890.61	7175.62	7096.28	7054.17	2.09	ppb
Molybdenum	98-1	7014.39	7170.03	7214.75	7133.06	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	513.22	518.01	517.63	516.29	0.52	ppb
Phosphorus	31-2	85.33	69.21	72.14	75.56	11.36	ppb
Potassium	39-2	27673.01	27193.83	27629.44	27498.76	0.96	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				99		%
Selenium	82-1	515.16	524.95	532.05	524.05	1.62	ppb
Selenium	77-2	515.61	522.75	487.34	508.57	3.68	ppb
Selenium	78-2	528.94	508.03	509.85	515.61	2.25	ppb
Silicon	28-1	168.38	176.43	174.34	173.05	2.41	ppb
Silver	107-1	288.87	258.91	399.28	315.69	23.42	ppb
Silver	109-1	289.89	329.38	363.18	327.48	11.20	ppb
Sodium	23-2	112705.83	111621.83	111455.59	111927.75	0.61	ppb
Strontium	86-1	12066.80	12090.80	12150.54	12102.71	0.36	ppb
Strontium	88-1	11709.95	11956.67	12141.61	11936.08	1.81	ppb
Sulfur	34-1	2438.34	2407.36	2278.49	2374.73	3.57	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	528.16	531.24	520.11	526.50	1.09	ppb
Thallium	205-1	533.09	534.53	514.16	527.26	2.16	ppb
Tin	118-1	459.82	483.48	489.37	477.56	3.27	ppb
Titanium	47-1	5808.42	5995.19	5922.99	5908.87	1.59	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:17:20	DataFile Name :	090SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	514.99	526.35	517.57	519.64	1.15	ppb
Vanadium	51-2	545.99	544.72	536.56	542.42	0.94	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	5217.13	5121.60	5099.30	5146.01	1.22	ppb
Zirconium	90-1	512.78	523.68	528.60	521.69	1.55	ppb
Zirconium	91-1	506.94	519.77	525.99	517.57	1.88	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:20:08	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9821.12	9837.50	9719.84	9792.82	0.65	ppb
Antimony	121-1	529.19	1409.94	606.82	848.65	57.46	ppb
Arsenic	75-2	546.04	533.67	538.92	539.55	1.15	ppb
Barium	135-1	2397.31	6585.03	2815.26	3932.53	58.65	ppb
Barium	137-1	2437.40	6610.63	2834.62	3960.88	58.15	ppb
Beryllium	9-1	577.34	1357.45	679.55	871.45	48.65	ppb
Bismuth	209-1				80		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	553.63	1504.90	631.82	896.78	58.89	ppb
Cadmium	106-1	543.29	1483.79	619.71	882.26	59.20	ppb
Cadmium	111-1	528.99	1487.93	619.29	878.74	60.26	ppb
Calcium	43-1	70906.96	188506.60	88254.97	115889.51	54.78	ppb
Calcium	44-1	67855.07	181518.34	84264.04	111212.48	55.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.39	521.19	519.37	521.65	0.49	ppb
Cobalt	59-2	551.22	552.82	549.69	551.24	0.28	ppb
Copper	63-2	5114.17	5133.22	5123.62	5123.67	0.19	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				80		%
Holmium	165-2				107		%
Indium	115-1				77		%
Indium	115-2				101		%
Iron	56-2	29238.17	28995.23	29238.10	29157.17	0.48	ppb
Iron	57-2	29770.84	29338.94	29701.97	29603.92	0.78	ppb
Iron	54-2	29751.02	29556.00	29373.48	29560.16	0.64	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:20:08	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2473.30	6885.89	2889.68	4082.96	59.67	ppb
Lead	207-1	2435.79	6853.49	2914.13	4067.80	59.60	ppb
Lead	208-1	2459.50	6861.50	2879.10	4066.70	59.74	ppb
Lithium	6-1				89		%
Magnesium	24-2	53560.37	52835.54	51760.83	52718.91	1.72	ppb
Manganese	55-2	5477.04	5336.03	5328.70	5380.59	1.55	ppb
Molybdenum	94-1	6816.99	17960.97	7897.60	10891.85	56.43	ppb
Molybdenum	95-1	6984.32	18375.12	8241.45	11200.30	55.76	ppb
Molybdenum	96-1	6895.58	18499.52	8098.86	11164.65	57.15	ppb
Molybdenum	97-1	7008.30	18643.14	8115.74	11255.73	57.05	ppb
Molybdenum	98-1	7040.34	18645.98	8099.14	11261.82	56.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	524.33	528.25	526.61	526.40	0.37	ppb
Phosphorus	31-2	78.86	76.93	75.63	77.14	2.11	ppb
Potassium	39-2	27547.63	27645.31	27490.10	27561.01	0.28	ppb
Rhodium	103-1				76		%
Rhodium	103-2				100		%
Scandium	45-1				82		%
Scandium	45-2				100		%
Selenium	82-1	529.87	1388.64	615.06	844.52	56.02	ppb
Selenium	77-2	527.01	518.25	505.24	516.83	2.12	ppb
Selenium	78-2	522.57	514.31	542.94	526.61	2.80	ppb
Silicon	28-1	165.89	448.90	209.36	274.72	55.48	ppb
Silver	107-1	351.88	932.11	542.27	608.75	48.59	ppb
Silver	109-1	309.40	988.77	405.05	567.74	64.77	ppb
Sodium	23-2	110545.83	113996.14	113204.93	112582.30	1.61	ppb
Strontium	86-1	11712.69	31371.70	13905.28	18996.55	56.71	ppb
Strontium	88-1	11860.80	30888.23	14012.83	18920.62	55.07	ppb
Sulfur	34-1	1799.43	15829.23	3764.97	7131.21	106.53	ppb
Terbium	159-1				80		%
Terbium	159-2				106		%
Thallium	203-1	516.54	1445.28	609.09	856.97	59.70	ppb
Thallium	205-1	518.82	1449.31	603.12	857.09	60.04	ppb
Tin	118-1	466.83	1343.71	542.71	784.42	61.94	ppb
Titanium	47-1	5783.64	15256.95	7072.15	9370.92	54.83	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:20:08	DataFile Name :	091SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	515.64	1479.50	602.92	866.02	61.56	ppb
Vanadium	51-2	546.16	548.66	548.51	547.78	0.26	ppb
Yttrium	89-1				80		%
Yttrium	89-2				102		%
Zinc	66-2	5040.96	5184.33	5101.01	5108.77	1.41	ppb
Zirconium	90-1	523.08	1376.73	607.51	835.77	56.28	ppb
Zirconium	91-1	515.51	1360.10	605.01	826.87	56.11	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BL	Instrumnet Name :	P7
Client Sample ID :	PB162888BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:22:54	DataFile Name :	092CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.89	-0.32	-0.87	-0.69		ppb
Antimony	121-1	0.42	0.46	0.48	0.45	6.81	ppb
Arsenic	75-2	0.04	0.05	0.00	0.03	79.62	ppb
Barium	135-1	0.13	0.07	0.09	0.10	28.30	ppb
Barium	137-1	0.14	0.11	0.10	0.11	18.48	ppb
Beryllium	9-1	0.15	0.13	0.12	0.13	11.46	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	0.13	-0.04	0.06	143.70	ppb
Cadmium	106-1	-0.15	-2.24	-1.92	-1.44		ppb
Cadmium	111-1	0.00	-0.15	-0.14	-0.09		ppb
Calcium	43-1	-1.56	0.14	-1.25	-0.89		ppb
Calcium	44-1	-7.17	-6.23	-6.50	-6.63		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.23	-0.26	-0.24	-0.25		ppb
Cobalt	59-2	0.01	0.02	0.02	0.02	56.42	ppb
Copper	63-2	0.24	0.23	0.21	0.23	6.22	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				103		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	-0.93	-0.76	-0.83	-0.84		ppb
Iron	57-2	-2.54	0.77	-4.37	-2.04		ppb
Iron	54-2	-1.22	-1.14	-0.17	-0.84		ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BL	Instrumnet Name :	P7
Client Sample ID :	PB162888BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:22:54	DataFile Name :	092CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.19	0.16	0.25	0.20	22.32	ppb
Lead	207-1	0.17	0.13	0.22	0.17	23.89	ppb
Lead	208-1	0.18	0.15	0.22	0.18	20.23	ppb
Lithium	6-1				117		%
Magnesium	24-2	2.50	2.57	2.40	2.49	3.39	ppb
Manganese	55-2	0.16	0.17	0.18	0.17	5.51	ppb
Molybdenum	94-1	0.56	0.50	0.53	0.53	5.60	ppb
Molybdenum	95-1	0.57	0.52	0.48	0.53	8.75	ppb
Molybdenum	96-1	0.58	0.52	0.51	0.53	7.30	ppb
Molybdenum	97-1	0.60	0.50	0.41	0.50	18.76	ppb
Molybdenum	98-1	0.55	0.47	0.49	0.50	7.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.14	-0.14	-0.14	-0.14		ppb
Phosphorus	31-2	-16.93	-18.36	-21.42	-18.90		ppb
Potassium	39-2	-2.06	-1.57	-4.85	-2.83		ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				98		%
Selenium	82-1	-0.25	0.45	0.52	0.24	180.27	ppb
Selenium	77-2	-0.13	0.99	-0.13	0.24	262.53	ppb
Selenium	78-2	1.11	-1.01	0.02	0.04	2587.96	ppb
Silicon	28-1	0.02	0.01	-0.12	-0.03		ppb
Silver	107-1	0.42	0.14	0.08	0.21	86.30	ppb
Silver	109-1	0.43	0.11	0.06	0.20	99.40	ppb
Sodium	23-2	37.72	38.52	34.69	36.98	5.46	ppb
Strontium	86-1	0.61	0.50	0.50	0.54	11.54	ppb
Strontium	88-1	0.61	0.50	0.45	0.52	15.81	ppb
Sulfur	34-1	-670.61	-449.80	-605.37	-575.26		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.04	0.03	0.07	0.05	39.28	ppb
Thallium	205-1	0.04	0.04	0.06	0.05	29.46	ppb
Tin	118-1	0.10	0.13	0.14	0.12	17.64	ppb
Titanium	47-1	0.38	0.38	0.43	0.40	6.97	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BL	Instrumnet Name :	P7
Client Sample ID :	PB162888BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:22:54	DataFile Name :	092CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.03	0.02	17.80	ppb
Vanadium	51-2	0.02	0.03	0.02	0.02	26.71	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	-0.26	-0.23	-0.05	-0.18		ppb
Zirconium	90-1	0.05	0.04	0.04	0.04	11.13	ppb
Zirconium	91-1	0.02	0.04	0.06	0.04	42.42	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BS	Instrumnet Name :	P7
Client Sample ID :	PB162888BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:26:14	DataFile Name :	093LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10350.39	10192.81	10393.38	10312.20	1.02	ppb
Antimony	121-1	494.83	521.47	499.74	505.35	2.81	ppb
Arsenic	75-2	504.46	487.37	488.93	493.59	1.91	ppb
Barium	135-1	2436.55	2588.82	2498.39	2507.92	3.05	ppb
Barium	137-1	2491.51	2582.40	2505.13	2526.35	1.94	ppb
Beryllium	9-1	525.46	524.65	513.72	521.28	1.26	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	500.54	513.12	505.19	506.28	1.26	ppb
Cadmium	106-1	497.97	518.06	501.15	505.73	2.14	ppb
Cadmium	111-1	487.89	507.98	499.82	498.56	2.03	ppb
Calcium	43-1	59383.17	60970.70	60098.14	60150.67	1.32	ppb
Calcium	44-1	54596.74	55024.87	55029.95	54883.85	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	504.32	510.11	508.42	507.62	0.59	ppb
Cobalt	59-2	508.63	524.56	514.89	516.03	1.55	ppb
Copper	63-2	5133.75	5245.96	5215.79	5198.50	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				105		%
Holmium	165-2				108		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	26726.40	27457.50	26986.70	27056.87	1.37	ppb
Iron	57-2	27779.68	28383.01	28141.43	28101.37	1.08	ppb
Iron	54-2	27731.84	27843.39	27689.18	27754.81	0.29	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BS	Instrumnet Name :	P7
Client Sample ID :	PB162888BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:26:14	DataFile Name :	093LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2531.89	2551.84	2540.35	2541.36	0.39	ppb
Lead	207-1	2450.04	2552.20	2523.89	2508.71	2.10	ppb
Lead	208-1	2483.08	2534.87	2527.03	2515.00	1.11	ppb
Lithium	6-1				116		%
Magnesium	24-2	52662.60	51613.27	52605.12	52293.67	1.13	ppb
Manganese	55-2	5026.10	5162.25	5064.20	5084.18	1.38	ppb
Molybdenum	94-1	5554.08	5519.44	5507.38	5526.97	0.44	ppb
Molybdenum	95-1	5490.17	5494.58	5567.35	5517.37	0.79	ppb
Molybdenum	96-1	5566.15	5547.84	5540.54	5551.51	0.24	ppb
Molybdenum	97-1	5620.18	5522.61	5508.65	5550.48	1.09	ppb
Molybdenum	98-1	5405.60	5441.69	5460.61	5435.97	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	507.15	508.71	509.85	508.57	0.27	ppb
Phosphorus	31-2	10086.35	9913.38	9879.80	9959.84	1.11	ppb
Potassium	39-2	26101.77	25959.43	25476.12	25845.78	1.27	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				106		%
Scandium	45-2				98		%
Selenium	82-1	498.82	500.01	496.35	498.39	0.37	ppb
Selenium	77-2	498.25	467.09	505.76	490.37	4.18	ppb
Selenium	78-2	510.93	485.42	500.44	498.93	2.57	ppb
Silicon	28-1	506.57	505.22	521.99	511.26	1.82	ppb
Silver	107-1	500.53	531.62	512.03	514.73	3.05	ppb
Silver	109-1	504.38	538.22	518.83	520.48	3.26	ppb
Sodium	23-2	53120.36	52607.52	53613.28	53113.72	0.95	ppb
Strontium	86-1	12799.95	12611.90	12613.99	12675.28	0.85	ppb
Strontium	88-1	12626.71	12414.38	12406.91	12482.67	1.00	ppb
Sulfur	34-1	9327.16	9780.65	9779.04	9628.95	2.71	ppb
Terbium	159-1				103		%
Terbium	159-2				105		%
Thallium	203-1	506.28	511.04	515.04	510.79	0.86	ppb
Thallium	205-1	503.72	507.49	508.13	506.45	0.47	ppb
Tin	118-1	507.04	515.87	516.89	513.27	1.05	ppb
Titanium	47-1	5458.41	5716.91	5591.12	5588.81	2.31	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BS	Instrumnet Name :	P7
Client Sample ID :	PB162888BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:26:14	DataFile Name :	093LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	478.71	488.08	498.26	488.35	2.00	ppb
Vanadium	51-2	508.55	514.33	502.46	508.45	1.17	ppb
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	5083.23	5216.64	5082.08	5127.32	1.51	ppb
Zirconium	90-1	499.58	500.23	501.64	500.48	0.21	ppb
Zirconium	91-1	499.94	494.48	494.85	496.42	0.61	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:29:01	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	80452.78	81356.02	79554.56	80454.45	1.12	ppb
Antimony	121-1	3.37	3.28	3.26	3.31	1.78	ppb
Arsenic	75-2	45.42	44.03	44.95	44.80	1.58	ppb
Barium	135-1	561.85	548.96	537.40	549.40	2.23	ppb
Barium	137-1	600.91	583.19	581.85	588.65	1.81	ppb
Beryllium	9-1	5.91	6.21	6.26	6.13	3.12	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	13.65	13.79	14.86	14.10	4.69	ppb
Cadmium	106-1	18.54	18.06	16.55	17.72	5.88	ppb
Cadmium	111-1	10.92	10.71	10.12	10.59	3.91	ppb
Calcium	43-1	62749.13	64841.74	65740.33	64443.73	2.38	ppb
Calcium	44-1	64908.10	65381.11	66360.43	65549.88	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	270.56	271.20	270.30	270.69	0.17	ppb
Cobalt	59-2	206.70	207.00	203.92	205.87	0.83	ppb
Copper	63-2	1065.62	1076.75	1058.61	1066.99	0.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				109		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	157920.92	160548.89	157292.91	158587.57	1.09	ppb
Iron	57-2	156266.75	160833.80	154491.55	157197.37	2.08	ppb
Iron	54-2	159206.73	157985.61	159789.58	158993.98	0.58	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:29:01	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1006.22	1018.30	1008.30	1010.94	0.64	ppb
Lead	207-1	957.87	987.64	961.66	969.06	1.67	ppb
Lead	208-1	982.68	996.48	982.88	987.35	0.80	ppb
Lithium	6-1				114		%
Magnesium	24-2	20806.26	21189.77	21029.59	21008.54	0.92	ppb
Manganese	55-2	3264.55	3263.87	3231.22	3253.21	0.59	ppb
Molybdenum	94-1	74.06	73.85	72.62	73.51	1.06	ppb
Molybdenum	95-1	9.74	9.87	9.49	9.70	2.02	ppb
Molybdenum	96-1	17.48	17.29	17.35	17.37	0.55	ppb
Molybdenum	97-1	9.89	9.74	9.60	9.74	1.50	ppb
Molybdenum	98-1	9.81	9.67	9.37	9.62	2.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	419.65	415.46	412.65	415.92	0.85	ppb
Phosphorus	31-2	4712.33	4756.81	4813.03	4760.73	1.06	ppb
Potassium	39-2	4382.70	4393.11	4293.26	4356.36	1.26	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				115		%
Scandium	45-2				107		%
Selenium	82-1	4.93	6.28	5.07	5.43	13.74	ppb
Selenium	77-2	33.54	36.43	40.10	36.69	8.96	ppb
Selenium	78-2	10.17	10.41	10.14	10.24	1.42	ppb
Silicon	28-1	708.09	712.43	715.88	712.14	0.55	ppb
Silver	107-1	16.56	16.31	16.18	16.35	1.17	ppb
Silver	109-1	16.65	16.42	15.97	16.35	2.13	ppb
Sodium	23-2	4131.36	4266.08	4109.92	4169.12	2.03	ppb
Strontium	86-1	291.72	294.13	288.36	291.40	0.99	ppb
Strontium	88-1	296.12	290.63	286.80	291.18	1.61	ppb
Sulfur	34-1	9040.38	8966.60	9104.93	9037.31	0.77	ppb
Terbium	159-1				103		%
Terbium	159-2				108		%
Thallium	203-1	1.03	1.06	1.02	1.04	2.18	ppb
Thallium	205-1	1.05	1.07	1.03	1.05	1.97	ppb
Tin	118-1	56.74	56.97	55.21	56.31	1.70	ppb
Titanium	47-1	1528.91	1546.44	1549.48	1541.61	0.72	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:29:01	DataFile Name :	094SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	10.35	10.60	10.41	10.46	1.22	ppb
Vanadium	51-2	282.74	282.57	279.99	281.76	0.55	ppb
Yttrium	89-1				127		%
Yttrium	89-2				127		%
Zinc	66-2	1737.56	1733.17	1707.85	1726.20	0.93	ppb
Zirconium	90-1	33.90	34.17	34.03	34.03	0.40	ppb
Zirconium	91-1	34.34	34.40	33.83	34.19	0.92	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:32:04	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17091.60	16983.33	16914.62	16996.52	0.52	ppb
Antimony	121-1	0.69	0.69	0.69	0.69	0.41	ppb
Arsenic	75-2	11.05	10.66	11.12	10.95	2.26	ppb
Barium	135-1	108.27	110.22	108.06	108.85	1.10	ppb
Barium	137-1	108.80	111.68	108.44	109.64	1.62	ppb
Beryllium	9-1	1.23	1.17	1.28	1.23	4.23	ppb
Bismuth	209-1				108		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.34	3.21	2.91	3.15	6.91	ppb
Cadmium	106-1	2.05	1.98	1.41	1.81	19.41	ppb
Cadmium	111-1	2.08	2.09	1.95	2.04	3.82	ppb
Calcium	43-1	14246.08	14408.45	14532.13	14395.55	1.00	ppb
Calcium	44-1	13446.22	13780.16	13662.34	13629.57	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	55.92	54.92	56.45	55.77	1.40	ppb
Cobalt	59-2	42.84	42.20	43.47	42.84	1.48	ppb
Copper	63-2	218.99	216.89	218.85	218.24	0.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	33452.60	32828.02	33425.48	33235.37	1.06	ppb
Iron	57-2	33660.49	33004.86	33161.25	33275.53	1.03	ppb
Iron	54-2	33813.23	33099.72	33213.47	33375.48	1.15	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:32:04	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	177.69	179.94	179.74	179.12	0.70	ppb
Lead	207-1	168.47	170.39	166.88	168.58	1.04	ppb
Lead	208-1	184.52	185.73	172.50	180.91	4.04	ppb
Lithium	6-1				115		%
Magnesium	24-2	4540.46	4524.04	4543.12	4535.87	0.23	ppb
Manganese	55-2	684.57	679.34	692.60	685.50	0.97	ppb
Molybdenum	94-1	16.63	17.04	17.00	16.89	1.35	ppb
Molybdenum	95-1	2.24	2.30	2.21	2.25	2.02	ppb
Molybdenum	96-1	4.11	4.12	4.00	4.08	1.64	ppb
Molybdenum	97-1	2.27	2.25	2.29	2.27	0.93	ppb
Molybdenum	98-1	2.22	2.27	2.25	2.24	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	87.58	87.70	88.15	87.81	0.34	ppb
Phosphorus	31-2	1029.71	982.78	964.35	992.28	3.40	ppb
Potassium	39-2	947.84	941.10	955.21	948.05	0.74	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				109		%
Scandium	45-2				102		%
Selenium	82-1	1.20	1.65	0.76	1.20	37.06	ppb
Selenium	77-2	10.28	9.40	9.02	9.57	6.76	ppb
Selenium	78-2	0.91	2.97	1.87	1.92	53.67	ppb
Silicon	28-1	148.80	150.46	150.19	149.82	0.60	ppb
Silver	107-1	3.34	3.32	3.29	3.32	0.71	ppb
Silver	109-1	3.27	3.33	3.25	3.28	1.19	ppb
Sodium	23-2	930.21	930.12	934.39	931.58	0.26	ppb
Strontium	86-1	66.47	68.57	67.87	67.64	1.58	ppb
Strontium	88-1	66.42	68.43	67.65	67.50	1.50	ppb
Sulfur	34-1	617.40	831.47	683.23	710.70	15.43	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.21	0.21	0.19	0.20	5.35	ppb
Thallium	205-1	0.22	0.21	0.20	0.21	5.56	ppb
Tin	118-1	10.40	10.56	10.45	10.47	0.80	ppb
Titanium	47-1	317.52	329.37	328.08	324.99	2.00	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:32:04	DataFile Name :	095SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.04	2.04	2.01	2.03	0.77	ppb
Vanadium	51-2	58.40	57.67	58.43	58.17	0.74	ppb
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	370.44	369.18	372.49	370.70	0.45	ppb
Zirconium	90-1	7.65	7.99	7.87	7.84	2.17	ppb
Zirconium	91-1	7.50	7.91	7.72	7.71	2.69	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:35:17	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	121806.56	119280.04	117972.07	119686.22	1.63	ppb
Antimony	121-1	2.77	2.83	2.79	2.80	0.97	ppb
Arsenic	75-2	51.25	49.76	51.23	50.75	1.68	ppb
Barium	135-1	727.52	737.81	731.89	732.41	0.71	ppb
Barium	137-1	772.61	788.07	794.32	785.00	1.42	ppb
Beryllium	9-1	8.96	8.46	9.15	8.86	3.98	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	21.68	21.29	20.88	21.28	1.88	ppb
Cadmium	106-1	25.13	26.94	25.44	25.84	3.75	ppb
Cadmium	111-1	17.34	17.98	17.28	17.53	2.22	ppb
Calcium	43-1	63009.99	65713.66	64610.84	64444.83	2.11	ppb
Calcium	44-1	63418.72	65289.98	65492.46	64733.72	1.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	399.87	400.32	394.67	398.29	0.79	ppb
Cobalt	59-2	281.40	277.52	275.58	278.17	1.06	ppb
Copper	63-2	1460.95	1435.05	1421.63	1439.21	1.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				112		%
Indium	115-1				103		%
Indium	115-2				105		%
Iron	56-2	239224.58	239057.31	233645.43	237309.11	1.34	ppb
Iron	57-2	238657.71	235472.01	233783.01	235970.91	1.05	ppb
Iron	54-2	242713.33	239352.34	234400.82	238822.16	1.75	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:35:17	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1538.67	1569.23	1574.78	1560.89	1.25	ppb
Lead	207-1	1458.49	1519.31	1514.50	1497.44	2.26	ppb
Lead	208-1	1483.35	1526.31	1528.70	1512.79	1.69	ppb
Lithium	6-1				114		%
Magnesium	24-2	33063.74	32192.97	31896.83	32384.51	1.87	ppb
Manganese	55-2	3220.94	3224.01	3184.03	3209.66	0.69	ppb
Molybdenum	94-1	83.80	84.36	83.85	84.00	0.37	ppb
Molybdenum	95-1	12.03	11.80	11.73	11.85	1.36	ppb
Molybdenum	96-1	20.97	21.27	20.90	21.04	0.94	ppb
Molybdenum	97-1	12.06	11.97	11.74	11.93	1.38	ppb
Molybdenum	98-1	11.67	11.90	11.69	11.75	1.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	560.33	549.21	546.45	552.00	1.33	ppb
Phosphorus	31-2	6351.29	6391.96	6272.56	6338.60	0.96	ppb
Potassium	39-2	7051.52	6933.74	6972.15	6985.80	0.86	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				119		%
Scandium	45-2				115		%
Selenium	82-1	6.36	6.17	6.22	6.25	1.52	ppb
Selenium	77-2	53.16	54.58	45.14	50.96	9.99	ppb
Selenium	78-2	13.34	11.68	12.08	12.37	7.00	ppb
Silicon	28-1	720.99	732.05	731.92	728.32	0.87	ppb
Silver	107-1	22.20	22.72	22.56	22.49	1.17	ppb
Silver	109-1	22.19	22.65	22.04	22.29	1.41	ppb
Sodium	23-2	4570.10	4463.13	4445.57	4492.93	1.50	ppb
Strontium	86-1	308.29	309.98	307.82	308.70	0.37	ppb
Strontium	88-1	313.76	317.68	311.59	314.34	0.98	ppb
Sulfur	34-1	6608.24	6757.71	6646.28	6670.75	1.16	ppb
Terbium	159-1				106		%
Terbium	159-2				110		%
Thallium	203-1	1.45	1.53	1.51	1.50	2.67	ppb
Thallium	205-1	1.53	1.57	1.52	1.54	1.82	ppb
Tin	118-1	36.19	36.05	36.23	36.16	0.26	ppb
Titanium	47-1	1723.61	1793.56	1822.39	1779.86	2.85	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:35:17	DataFile Name :	096SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	15.60	16.06	16.24	15.97	2.06	ppb
Vanadium	51-2	468.91	463.00	459.24	463.72	1.05	ppb
Yttrium	89-1				138		%
Yttrium	89-2				138		%
Zinc	66-2	2328.14	2325.11	2295.35	2316.20	0.78	ppb
Zirconium	90-1	39.00	39.08	38.68	38.92	0.55	ppb
Zirconium	91-1	39.05	38.88	38.92	38.95	0.23	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:38:18	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25547.23	25851.26	25505.05	25634.51	0.74	ppb
Antimony	121-1	0.58	0.58	0.61	0.59	3.24	ppb
Arsenic	75-2	12.15	12.41	12.68	12.41	2.14	ppb
Barium	135-1	148.73	147.46	150.03	148.74	0.87	ppb
Barium	137-1	150.71	149.76	150.49	150.32	0.33	ppb
Beryllium	9-1	1.90	1.81	1.94	1.88	3.60	ppb
Bismuth	209-1				108		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.36	3.85	4.54	4.25	8.45	ppb
Cadmium	106-1	4.14	3.61	3.68	3.81	7.51	ppb
Cadmium	111-1	3.45	3.67	3.60	3.57	3.15	ppb
Calcium	43-1	14453.28	14510.10	14544.21	14502.53	0.32	ppb
Calcium	44-1	13687.16	14023.79	14003.50	13904.82	1.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	84.67	85.69	85.34	85.23	0.61	ppb
Cobalt	59-2	60.01	60.65	60.34	60.33	0.53	ppb
Copper	63-2	315.12	315.01	312.53	314.22	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				105		%
Iron	56-2	51104.03	50936.82	51188.71	51076.52	0.25	ppb
Iron	57-2	50705.79	51087.78	51119.93	50971.17	0.45	ppb
Iron	54-2	52105.75	51303.10	51094.08	51500.98	1.04	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:38:18	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	271.52	276.10	271.56	273.06	0.96	ppb
Lead	207-1	256.89	260.69	254.60	257.39	1.19	ppb
Lead	208-1	279.62	285.34	278.76	281.24	1.27	ppb
Lithium	6-1				113		%
Magnesium	24-2	6868.23	6972.27	6940.28	6926.93	0.77	ppb
Manganese	55-2	699.95	692.09	699.13	697.06	0.62	ppb
Molybdenum	94-1	21.15	20.53	20.63	20.77	1.59	ppb
Molybdenum	95-1	3.25	2.92	2.91	3.02	6.47	ppb
Molybdenum	96-1	5.54	5.22	5.06	5.27	4.69	ppb
Molybdenum	97-1	3.29	2.87	2.95	3.03	7.38	ppb
Molybdenum	98-1	3.18	2.81	2.90	2.96	6.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	121.15	122.79	120.52	121.49	0.97	ppb
Phosphorus	31-2	1341.91	1371.69	1363.83	1359.14	1.14	ppb
Potassium	39-2	1558.79	1587.04	1586.13	1577.32	1.02	ppb
Rhodium	103-1				104		%
Rhodium	103-2				106		%
Scandium	45-1				112		%
Scandium	45-2				106		%
Selenium	82-1	1.82	1.94	1.95	1.90	3.66	ppb
Selenium	77-2	10.95	9.97	10.53	10.48	4.67	ppb
Selenium	78-2	2.78	3.38	4.21	3.46	20.76	ppb
Silicon	28-1	156.04	153.13	152.45	153.87	1.24	ppb
Silver	107-1	4.61	4.68	4.63	4.64	0.81	ppb
Silver	109-1	4.58	4.52	4.70	4.60	2.06	ppb
Sodium	23-2	1011.74	1009.96	1010.75	1010.82	0.09	ppb
Strontium	86-1	77.52	76.53	76.15	76.73	0.92	ppb
Strontium	88-1	77.40	77.71	77.78	77.63	0.26	ppb
Sulfur	34-1	-253.13	-158.32	-212.72	-208.06		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.30	0.30	0.29	0.29	2.83	ppb
Thallium	205-1	0.31	0.31	0.29	0.30	3.33	ppb
Tin	118-1	6.84	6.74	6.81	6.80	0.78	ppb
Titanium	47-1	375.54	381.50	378.42	378.48	0.79	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:38:18	DataFile Name :	097SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.05	3.11	3.04	3.07	1.24	ppb
Vanadium	51-2	99.20	99.31	99.36	99.29	0.08	ppb
Yttrium	89-1				113		%
Yttrium	89-2				113		%
Zinc	66-2	523.38	520.94	515.86	520.06	0.74	ppb
Zirconium	90-1	9.56	9.69	9.35	9.53	1.84	ppb
Zirconium	91-1	9.29	9.42	9.29	9.33	0.84	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:41:26	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34096.63	34602.10	34566.90	34421.88	0.82	ppb
Antimony	121-1	3.10	3.30	3.16	3.18	3.21	ppb
Arsenic	75-2	18.52	18.87	19.11	18.84	1.58	ppb
Barium	135-1	486.38	501.88	501.71	496.66	1.79	ppb
Barium	137-1	495.79	507.80	507.80	503.80	1.38	ppb
Beryllium	9-1	3.18	2.89	3.09	3.05	4.89	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.58	2.60	2.36	2.52	5.19	ppb
Cadmium	106-1	2.63	2.31	2.37	2.44	6.92	ppb
Cadmium	111-1	2.50	2.50	2.68	2.56	4.11	ppb
Calcium	43-1	17345.95	17851.60	17225.03	17474.19	1.90	ppb
Calcium	44-1	16372.07	16702.11	16281.27	16451.81	1.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	69.78	70.54	69.90	70.08	0.58	ppb
Cobalt	59-2	5.38	5.32	5.27	5.32	1.04	ppb
Copper	63-2	160.13	162.12	160.38	160.87	0.67	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	19339.45	19718.25	19608.64	19555.44	1.00	ppb
Iron	57-2	20280.49	20449.90	20392.20	20374.20	0.42	ppb
Iron	54-2	19945.72	20234.28	19763.46	19981.15	1.19	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:41:26	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	318.29	323.51	326.49	322.76	1.28	ppb
Lead	207-1	297.20	303.71	307.60	302.84	1.74	ppb
Lead	208-1	328.32	334.87	336.09	333.09	1.25	ppb
Lithium	6-1				109		%
Magnesium	24-2	3024.35	2995.94	3004.24	3008.18	0.49	ppb
Manganese	55-2	1692.73	1711.93	1699.26	1701.31	0.57	ppb
Molybdenum	94-1	7.43	7.82	7.92	7.73	3.35	ppb
Molybdenum	95-1	3.15	3.11	3.15	3.14	0.77	ppb
Molybdenum	96-1	3.82	3.82	3.71	3.78	1.58	ppb
Molybdenum	97-1	3.08	3.19	3.22	3.16	2.22	ppb
Molybdenum	98-1	3.02	3.21	3.10	3.11	3.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.10	40.72	40.05	40.29	0.92	ppb
Phosphorus	31-2	2170.37	2137.85	2159.98	2156.07	0.77	ppb
Potassium	39-2	1033.83	1034.44	1033.69	1033.99	0.04	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	82-1	7.92	7.95	8.90	8.25	6.75	ppb
Selenium	77-2	24.01	19.06	27.19	23.42	17.51	ppb
Selenium	78-2	6.45	10.13	9.95	8.84	23.47	ppb
Silicon	28-1	334.11	343.92	340.19	339.41	1.46	ppb
Silver	107-1	5.14	4.87	4.78	4.93	3.75	ppb
Silver	109-1	4.63	4.85	4.83	4.77	2.57	ppb
Sodium	23-2	4849.82	4956.58	4899.24	4901.88	1.09	ppb
Strontium	86-1	127.28	129.00	126.27	127.52	1.08	ppb
Strontium	88-1	129.80	129.81	129.14	129.59	0.30	ppb
Sulfur	34-1	3319.56	3603.34	3061.50	3328.13	8.14	ppb
Terbium	159-1				104		%
Terbium	159-2				107		%
Thallium	203-1	0.31	0.32	0.35	0.33	5.40	ppb
Thallium	205-1	0.34	0.33	0.33	0.33	1.93	ppb
Tin	118-1	12.46	13.09	12.94	12.83	2.57	ppb
Titanium	47-1	558.72	581.76	561.64	567.37	2.21	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:41:26	DataFile Name :	098SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.46	5.60	5.74	5.60	2.54	ppb
Vanadium	51-2	52.55	53.24	51.85	52.55	1.32	ppb
Yttrium	89-1				113		%
Yttrium	89-2				115		%
Zinc	66-2	271.34	272.24	273.65	272.41	0.43	ppb
Zirconium	90-1	2.65	2.65	2.72	2.67	1.47	ppb
Zirconium	91-1	2.72	2.85	2.69	2.75	3.16	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:44:38	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6867.92	6883.97	6896.66	6882.85	0.21	ppb
Antimony	121-1	0.63	0.62	0.62	0.62	0.83	ppb
Arsenic	75-2	3.99	4.38	3.88	4.08	6.38	ppb
Barium	135-1	94.35	97.93	96.08	96.12	1.86	ppb
Barium	137-1	95.48	98.91	96.35	96.91	1.84	ppb
Beryllium	9-1	0.64	0.60	0.52	0.59	10.01	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.34	0.55	0.65	0.52	30.51	ppb
Cadmium	106-1	-1.57	-0.46	-2.34	-1.46		ppb
Cadmium	111-1	0.33	0.44	0.24	0.34	28.75	ppb
Calcium	43-1	3358.18	3491.33	3330.77	3393.43	2.53	ppb
Calcium	44-1	3342.11	3518.54	3354.87	3405.17	2.89	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	13.07	13.54	13.20	13.27	1.85	ppb
Cobalt	59-2	1.07	1.04	1.05	1.05	1.37	ppb
Copper	63-2	31.32	31.21	31.64	31.39	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				107		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				105		%
Iron	56-2	3779.29	3776.78	3823.18	3793.08	0.69	ppb
Iron	57-2	3962.04	3940.12	4015.80	3972.65	0.98	ppb
Iron	54-2	3998.35	3964.63	4034.00	3998.99	0.87	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:44:38	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	61.27	60.36	60.80	60.81	0.75	ppb
Lead	207-1	57.01	56.70	57.02	56.91	0.33	ppb
Lead	208-1	58.73	58.54	58.33	58.53	0.34	ppb
Lithium	6-1				112		%
Magnesium	24-2	587.91	583.63	585.60	585.71	0.37	ppb
Manganese	55-2	329.16	330.18	331.85	330.40	0.41	ppb
Molybdenum	94-1	1.57	1.55	1.55	1.56	0.79	ppb
Molybdenum	95-1	0.60	0.60	0.66	0.62	4.77	ppb
Molybdenum	96-1	0.74	0.77	0.75	0.75	2.40	ppb
Molybdenum	97-1	0.60	0.59	0.58	0.59	1.47	ppb
Molybdenum	98-1	0.60	0.64	0.58	0.61	4.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.53	7.49	8.04	7.69	3.99	ppb
Phosphorus	31-2	391.61	403.87	390.60	395.36	1.87	ppb
Potassium	39-2	185.19	190.39	184.56	186.72	1.71	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	1.51	1.64	1.77	1.64	7.85	ppb
Selenium	77-2	4.45	6.97	4.49	5.30	27.25	ppb
Selenium	78-2	1.67	1.74	1.84	1.75	4.86	ppb
Silicon	28-1	66.09	70.22	65.78	67.36	3.68	ppb
Silver	107-1	0.94	0.94	0.90	0.93	2.70	ppb
Silver	109-1	1.07	0.98	1.05	1.03	4.80	ppb
Sodium	23-2	1007.09	992.88	1009.75	1003.24	0.90	ppb
Strontium	86-1	25.29	25.37	26.10	25.59	1.73	ppb
Strontium	88-1	25.47	25.71	25.64	25.61	0.47	ppb
Sulfur	34-1	-1329.10	-1199.24	-1392.76	-1307.04		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.07	0.06	0.06	0.06	8.97	ppb
Thallium	205-1	0.06	0.06	0.07	0.06	5.50	ppb
Tin	118-1	2.25	2.31	2.32	2.29	1.67	ppb
Titanium	47-1	109.99	111.62	111.69	111.10	0.86	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:44:38	DataFile Name :	099SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.01	1.03	1.04	1.03	1.57	ppb
Vanadium	51-2	10.21	9.82	10.25	10.09	2.31	ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	52.96	53.64	53.80	53.47	0.83	ppb
Zirconium	90-1	0.53	0.54	0.54	0.54	1.61	ppb
Zirconium	91-1	0.55	0.57	0.56	0.56	2.02	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:47:52	DataFile Name :	100CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48606.11	50402.33	49897.91	49635.45	1.87	ppb
Antimony	121-1	487.11	495.80	481.45	488.12	1.48	ppb
Arsenic	75-2	465.62	473.22	472.86	470.56	0.91	ppb
Barium	135-1	2414.58	2496.34	2350.30	2420.41	3.02	ppb
Barium	137-1	2414.03	2494.06	2404.49	2437.52	2.02	ppb
Beryllium	9-1	494.08	502.38	514.61	503.69	2.05	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	484.31	483.60	467.49	478.46	1.99	ppb
Cadmium	106-1	488.04	485.88	468.60	480.84	2.22	ppb
Cadmium	111-1	471.49	475.64	457.95	468.36	1.98	ppb
Calcium	43-1	259414.75	248082.09	255397.69	254298.17	2.26	ppb
Calcium	44-1	253101.83	248048.80	254224.86	251791.83	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	479.12	484.93	482.64	482.23	0.61	ppb
Cobalt	59-2	464.59	478.18	480.04	474.27	1.78	ppb
Copper	63-2	4742.84	4738.40	4640.41	4707.22	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				106		%
Holmium	165-2				108		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	125383.17	126859.61	124418.62	125553.80	0.98	ppb
Iron	57-2	125462.01	127618.85	127333.16	126804.68	0.92	ppb
Iron	54-2	124893.05	127065.59	128374.72	126777.79	1.39	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:47:52	DataFile Name :	100CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2505.60	2507.04	2463.40	2492.01	0.99	ppb
Lead	207-1	2471.72	2484.92	2413.07	2456.57	1.56	ppb
Lead	208-1	2459.74	2492.29	2459.52	2470.51	0.76	ppb
Lithium	6-1				115		%
Magnesium	24-2	246372.38	247188.15	245354.09	246304.87	0.37	ppb
Manganese	55-2	4734.55	4782.22	4629.41	4715.39	1.66	ppb
Molybdenum	94-1	5326.39	5386.56	5146.04	5286.33	2.37	ppb
Molybdenum	95-1	5364.77	5410.30	5263.92	5346.33	1.40	ppb
Molybdenum	96-1	5374.06	5445.84	5361.54	5393.81	0.84	ppb
Molybdenum	97-1	5352.20	5514.91	5284.48	5383.86	2.20	ppb
Molybdenum	98-1	5356.29	5427.45	5146.46	5310.07	2.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	460.56	465.98	462.76	463.10	0.59	ppb
Phosphorus	31-2	9342.61	9571.24	9590.66	9501.50	1.45	ppb
Potassium	39-2	124849.14	123687.14	123814.62	124116.96	0.51	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				108		%
Scandium	45-2				101		%
Selenium	82-1	473.46	484.01	466.92	474.80	1.82	ppb
Selenium	77-2	459.21	474.05	479.50	470.92	2.23	ppb
Selenium	78-2	471.84	460.47	478.17	470.16	1.91	ppb
Silicon	28-1	503.78	491.07	502.60	499.15	1.41	ppb
Silver	107-1	488.87	478.12	458.92	475.30	3.19	ppb
Silver	109-1	490.28	484.19	470.03	481.50	2.16	ppb
Sodium	23-2	250896.20	255467.26	251784.76	252716.08	0.96	ppb
Strontium	86-1	12162.32	12323.73	12087.32	12191.13	0.99	ppb
Strontium	88-1	12300.36	12217.39	12114.83	12210.86	0.76	ppb
Sulfur	34-1	8848.52	8470.92	9018.32	8779.25	3.19	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	502.66	501.55	498.41	500.88	0.44	ppb
Thallium	205-1	492.55	505.43	498.21	498.73	1.29	ppb
Tin	118-1	491.76	498.23	488.42	492.80	1.01	ppb
Titanium	47-1	5389.09	5308.63	5423.71	5373.81	1.10	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:47:52	DataFile Name :	100CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	494.98	504.88	489.39	496.41	1.58	ppb
Vanadium	51-2	486.09	489.12	487.76	487.66	0.31	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	4763.20	4773.79	4679.59	4738.86	1.09	ppb
Zirconium	90-1	484.24	487.97	473.99	482.07	1.50	ppb
Zirconium	91-1	478.51	490.93	481.58	483.67	1.34	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:55:17	DataFile Name :	101CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.28	0.12	0.55	0.13	318.03	ppb
Antimony	121-1	0.10	0.14	0.14	0.13	16.52	ppb
Arsenic	75-2	-0.02	0.01	0.02	0.01	377.12	ppb
Barium	135-1	-0.01	0.00	-0.02	-0.01		ppb
Barium	137-1	0.00	0.01	0.00	0.00	197.22	ppb
Beryllium	9-1	0.06	0.09	0.04	0.06	36.52	ppb
Bismuth	209-1				109		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.07	0.01	-0.01	-0.02		ppb
Cadmium	106-1	-3.08	-2.60	-1.51	-2.40		ppb
Cadmium	111-1	-0.23	-0.19	-0.12	-0.18		ppb
Calcium	43-1	-0.64	-5.28	-1.50	-2.47		ppb
Calcium	44-1	-8.27	-9.50	-9.28	-9.02		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.28	-0.28	-0.26	-0.27		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.07	0.05	0.14	0.08	58.02	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				106		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	56-2	0.56	1.12	1.86	1.18	55.13	ppb
Iron	57-2	-2.94	1.29	1.64	0.00		ppb
Iron	54-2	0.02	0.63	2.96	1.20	128.99	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:55:17	DataFile Name :	101CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.01	0.01	0.01	49.64	ppb
Lead	207-1	0.02	0.01	0.01	0.01	30.63	ppb
Lead	208-1	0.01	0.00	0.01	0.01	41.00	ppb
Lithium	6-1				109		%
Magnesium	24-2	4.62	5.28	6.43	5.44	16.87	ppb
Manganese	55-2	0.02	-0.02	0.04	0.01	254.87	ppb
Molybdenum	94-1	0.08	0.05	0.10	0.08	37.34	ppb
Molybdenum	95-1	0.05	0.04	0.07	0.05	30.22	ppb
Molybdenum	96-1	0.06	0.05	0.07	0.06	12.27	ppb
Molybdenum	97-1	0.06	0.04	0.07	0.06	29.80	ppb
Molybdenum	98-1	0.05	0.06	0.07	0.06	12.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.17	-0.22	-0.21	-0.20		ppb
Phosphorus	31-2	-20.10	-16.03	-16.59	-17.57		ppb
Potassium	39-2	-12.70	-11.16	-9.87	-11.24		ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	-0.03	0.10	-0.04	0.01	1001.11	ppb
Selenium	77-2	0.23	0.23	0.24	0.23	2.60	ppb
Selenium	78-2	-0.76	-0.70	-0.77	-0.74		ppb
Silicon	28-1	-0.58	-0.63	-0.43	-0.55		ppb
Silver	107-1	0.02	0.02	0.02	0.02	17.89	ppb
Silver	109-1	0.02	0.02	0.01	0.01	22.51	ppb
Sodium	23-2	23.75	23.16	24.18	23.70	2.16	ppb
Strontium	86-1	0.15	0.06	0.14	0.12	41.28	ppb
Strontium	88-1	0.10	0.09	0.11	0.10	5.51	ppb
Sulfur	34-1	-780.84	-861.84	-615.64	-752.78		ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	0.00	0.00	0.00	0.00	87.37	ppb
Thallium	205-1	0.00	0.00	0.01	0.00	55.45	ppb
Tin	118-1	-0.01	0.00	0.03	0.01	210.43	ppb
Titanium	47-1	0.06	0.04	0.07	0.06	28.28	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:55:17	DataFile Name :	101CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.01	0.00	0.00	13.82	ppb
Vanadium	51-2	0.01	0.01	0.00	0.01	97.37	ppb
Yttrium	89-1				107		%
Yttrium	89-2				105		%
Zinc	66-2	-0.43	-0.40	-0.42	-0.42		ppb
Zirconium	90-1	0.01	0.02	0.03	0.02	41.80	ppb
Zirconium	91-1	0.01	0.02	0.04	0.02	52.53	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:00:21	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51427.89	51508.55	50463.94	51133.46	1.14	ppb
Antimony	121-1	12.89	12.82	12.68	12.80	0.85	ppb
Arsenic	75-2	63.87	62.55	63.38	63.26	1.05	ppb
Barium	135-1	1242.65	1262.06	1213.57	1239.43	1.97	ppb
Barium	137-1	1257.18	1237.57	1221.02	1238.59	1.46	ppb
Beryllium	9-1	4.94	4.98	4.98	4.97	0.42	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.20	8.25	8.77	8.74	5.41	ppb
Cadmium	106-1	7.91	10.48	9.52	9.30	13.97	ppb
Cadmium	111-1	7.09	7.33	7.13	7.18	1.79	ppb
Calcium	43-1	29745.51	29591.74	29658.00	29665.08	0.26	ppb
Calcium	44-1	28370.87	28305.49	28326.65	28334.34	0.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	122.16	120.38	119.24	120.59	1.22	ppb
Cobalt	59-2	46.27	46.43	46.00	46.23	0.47	ppb
Copper	63-2	420.17	419.28	415.21	418.22	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	56-2	93779.87	94816.26	93371.92	93989.35	0.79	ppb
Iron	57-2	94051.13	93245.57	90661.24	92652.65	1.91	ppb
Iron	54-2	93099.04	93375.23	93626.05	93366.78	0.28	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:00:21	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1284.10	1315.10	1316.28	1305.16	1.40	ppb
Lead	207-1	1234.62	1260.81	1269.71	1255.05	1.45	ppb
Lead	208-1	1257.41	1274.07	1284.48	1271.99	1.07	ppb
Lithium	6-1				110		%
Magnesium	24-2	8042.72	7898.22	7825.51	7922.15	1.40	ppb
Manganese	55-2	18239.43	18389.40	18397.48	18342.10	0.49	ppb
Molybdenum	94-1	27.94	28.40	27.99	28.11	0.89	ppb
Molybdenum	95-1	11.59	11.89	11.41	11.63	2.06	ppb
Molybdenum	96-1	13.73	13.84	13.81	13.80	0.41	ppb
Molybdenum	97-1	11.68	11.69	11.20	11.52	2.44	ppb
Molybdenum	98-1	11.18	11.49	11.23	11.30	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.83	95.37	94.70	95.30	0.60	ppb
Phosphorus	31-2	6171.58	6064.22	6039.59	6091.80	1.15	ppb
Potassium	39-2	2709.37	2705.50	2687.92	2700.93	0.42	ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	82-1	11.21	12.10	11.58	11.63	3.87	ppb
Selenium	77-2	44.63	42.42	42.37	43.14	3.00	ppb
Selenium	78-2	16.80	13.80	15.81	15.47	9.89	ppb
Silicon	28-1	502.62	493.97	499.60	498.73	0.88	ppb
Silver	107-1	26.73	27.30	26.45	26.83	1.62	ppb
Silver	109-1	26.60	27.25	26.68	26.84	1.32	ppb
Sodium	23-2	5701.52	5701.49	5650.06	5684.35	0.52	ppb
Strontium	86-1	184.27	188.97	184.14	185.79	1.48	ppb
Strontium	88-1	185.96	192.60	185.37	187.98	2.14	ppb
Sulfur	34-1	9116.82	9032.93	8796.61	8982.12	1.85	ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	1.34	1.35	1.32	1.34	1.15	ppb
Thallium	205-1	1.31	1.33	1.32	1.32	0.67	ppb
Tin	118-1	21.40	21.72	21.49	21.53	0.78	ppb
Titanium	47-1	1012.46	1025.32	1017.86	1018.55	0.63	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:00:21	DataFile Name :	102SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.58	5.60	5.69	5.62	1.01	ppb
Vanadium	51-2	213.85	215.13	213.13	214.04	0.47	ppb
Yttrium	89-1				137		%
Yttrium	89-2				136		%
Zinc	66-2	862.66	856.29	849.37	856.11	0.78	ppb
Zirconium	90-1	9.90	10.00	9.84	9.92	0.84	ppb
Zirconium	91-1	9.91	10.11	9.77	9.93	1.70	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:03:24	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10262.19	10333.45	10087.47	10227.70	1.24	ppb
Antimony	121-1	2.47	2.63	2.51	2.54	3.17	ppb
Arsenic	75-2	14.08	14.72	14.34	14.38	2.26	ppb
Barium	135-1	226.00	234.74	229.28	230.00	1.92	ppb
Barium	137-1	228.60	240.18	231.47	233.42	2.58	ppb
Beryllium	9-1	0.99	0.92	0.92	0.94	4.08	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.91	1.57	1.84	1.77	10.08	ppb
Cadmium	106-1	2.32	0.65	0.96	1.31	67.69	ppb
Cadmium	111-1	1.49	1.36	1.38	1.41	5.18	ppb
Calcium	43-1	5843.12	5995.54	5977.87	5938.85	1.40	ppb
Calcium	44-1	5585.06	5592.05	5710.71	5629.28	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	23.57	24.00	23.29	23.62	1.50	ppb
Cobalt	59-2	9.09	9.31	9.24	9.21	1.20	ppb
Copper	63-2	84.60	84.97	83.86	84.48	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				108		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	18486.79	19031.58	18744.45	18754.27	1.45	ppb
Iron	57-2	18988.58	19456.46	19254.65	19233.23	1.22	ppb
Iron	54-2	18781.88	18294.84	18933.89	18670.21	1.79	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:03:24	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	223.92	226.26	229.83	226.67	1.31	ppb
Lead	207-1	210.69	214.31	216.09	213.70	1.29	ppb
Lead	208-1	229.99	234.84	236.25	233.69	1.41	ppb
Lithium	6-1				109		%
Magnesium	24-2	1633.67	1646.91	1641.81	1640.80	0.41	ppb
Manganese	55-2	3639.56	3622.11	3664.63	3642.10	0.59	ppb
Molybdenum	94-1	6.76	6.70	6.75	6.74	0.44	ppb
Molybdenum	95-1	2.70	2.68	2.79	2.72	2.16	ppb
Molybdenum	96-1	3.29	3.23	3.23	3.25	1.12	ppb
Molybdenum	97-1	2.69	2.74	2.71	2.71	0.86	ppb
Molybdenum	98-1	2.63	2.66	2.73	2.67	2.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	19.22	19.12	19.04	19.13	0.48	ppb
Phosphorus	31-2	1159.55	1196.80	1176.59	1177.65	1.58	ppb
Potassium	39-2	524.91	527.52	527.74	526.73	0.30	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				111		%
Scandium	45-2				105		%
Selenium	82-1	2.28	3.09	3.42	2.93	19.99	ppb
Selenium	77-2	5.92	8.64	10.17	8.24	26.10	ppb
Selenium	78-2	5.13	5.38	4.29	4.93	11.61	ppb
Silicon	28-1	100.41	100.05	104.54	101.67	2.45	ppb
Silver	107-1	5.28	5.69	5.46	5.48	3.78	ppb
Silver	109-1	5.32	5.72	5.44	5.49	3.66	ppb
Sodium	23-2	1184.21	1195.02	1202.66	1193.96	0.78	ppb
Strontium	86-1	43.85	43.20	44.41	43.82	1.38	ppb
Strontium	88-1	44.07	43.58	44.01	43.89	0.61	ppb
Sulfur	34-1	41.03	127.94	99.95	89.64	49.49	ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	203-1	0.23	0.24	0.25	0.24	3.15	ppb
Thallium	205-1	0.26	0.26	0.25	0.26	3.27	ppb
Tin	118-1	3.96	4.11	3.97	4.01	2.09	ppb
Titanium	47-1	199.19	205.28	202.86	202.44	1.52	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:03:24	DataFile Name :	103SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.05	1.06	1.07	1.06	0.93	ppb
Vanadium	51-2	42.34	42.34	42.07	42.25	0.37	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-2	171.94	173.11	172.66	172.57	0.34	ppb
Zirconium	90-1	2.30	2.32	2.27	2.30	0.95	ppb
Zirconium	91-1	2.24	2.26	2.36	2.28	2.74	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:06:38	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46789.54	46320.25	47070.65	46726.81	0.81	ppb
Antimony	121-1	12.06	11.25	12.48	11.93	5.27	ppb
Arsenic	75-2	61.87	61.26	62.12	61.75	0.71	ppb
Barium	135-1	940.41	884.48	966.35	930.41	4.50	ppb
Barium	137-1	948.45	869.05	973.01	930.17	5.84	ppb
Beryllium	9-1	4.16	3.94	4.51	4.21	6.88	ppb
Bismuth	209-1				111		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	5.87	5.97	6.89	6.24	9.05	ppb
Cadmium	106-1	7.53	5.18	6.78	6.50	18.47	ppb
Cadmium	111-1	5.34	4.89	5.48	5.24	5.85	ppb
Calcium	43-1	26096.27	24022.32	26503.48	25540.69	5.21	ppb
Calcium	44-1	24467.98	23119.12	24586.79	24057.96	3.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	105.12	104.83	103.48	104.48	0.84	ppb
Cobalt	59-2	28.01	28.01	27.82	27.95	0.38	ppb
Copper	63-2	413.29	410.44	408.93	410.89	0.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				109		%
Indium	115-1				110		%
Indium	115-2				105		%
Iron	56-2	77964.72	77637.16	77056.29	77552.72	0.59	ppb
Iron	57-2	76916.04	76090.37	74085.13	75697.18	1.92	ppb
Iron	54-2	78765.08	77071.67	75339.24	77058.66	2.22	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:06:38	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1171.29	1106.07	1232.95	1170.11	5.42	ppb
Lead	207-1	1119.58	1059.19	1190.66	1123.14	5.86	ppb
Lead	208-1	1130.40	1085.21	1206.58	1140.73	5.38	ppb
Lithium	6-1				111		%
Magnesium	24-2	6480.17	6366.66	6327.69	6391.51	1.24	ppb
Manganese	55-2	8549.76	8571.85	8561.30	8560.97	0.13	ppb
Molybdenum	94-1	23.99	23.22	25.61	24.27	5.02	ppb
Molybdenum	95-1	10.75	10.27	11.33	10.78	4.89	ppb
Molybdenum	96-1	12.43	12.20	13.30	12.64	4.60	ppb
Molybdenum	97-1	10.83	10.13	11.51	10.82	6.34	ppb
Molybdenum	98-1	10.59	10.20	11.20	10.66	4.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	81.93	81.04	81.15	81.37	0.59	ppb
Phosphorus	31-2	5365.63	5284.69	5257.10	5302.48	1.06	ppb
Potassium	39-2	2237.16	2231.12	2205.98	2224.75	0.74	ppb
Rhodium	103-1				109		%
Rhodium	103-2				106		%
Scandium	45-1				115		%
Scandium	45-2				107		%
Selenium	82-1	11.58	11.54	12.80	11.97	5.98	ppb
Selenium	77-2	36.28	33.50	36.51	35.43	4.74	ppb
Selenium	78-2	16.59	12.74	16.22	15.18	13.96	ppb
Silicon	28-1	486.81	459.57	497.79	481.39	4.09	ppb
Silver	107-1	23.41	21.80	24.29	23.17	5.47	ppb
Silver	109-1	23.37	21.69	23.88	22.98	5.00	ppb
Sodium	23-2	5964.90	5948.03	5996.05	5969.66	0.41	ppb
Strontium	86-1	170.05	161.73	176.49	169.42	4.37	ppb
Strontium	88-1	174.42	164.31	179.18	172.64	4.40	ppb
Sulfur	34-1	8346.37	7391.75	8565.69	8101.27	7.70	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.99	0.99	1.04	1.01	2.85	ppb
Thallium	205-1	1.02	0.98	1.07	1.02	4.52	ppb
Tin	118-1	22.34	21.50	23.47	22.44	4.42	ppb
Titanium	47-1	962.32	922.51	994.19	959.67	3.74	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:06:38	DataFile Name :	104SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.51	5.19	5.84	5.51	5.86	ppb
Vanadium	51-2	199.33	202.06	197.79	199.73	1.08	ppb
Yttrium	89-1				134		%
Yttrium	89-2				130		%
Zinc	66-2	615.77	615.02	615.41	615.40	0.06	ppb
Zirconium	90-1	8.15	7.71	8.53	8.13	5.05	ppb
Zirconium	91-1	8.11	7.83	8.44	8.13	3.75	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:09:43	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9327.50	9435.33	9415.05	9392.63	0.61	ppb
Antimony	121-1	2.46	2.88	2.33	2.56	11.20	ppb
Arsenic	75-2	13.08	13.55	13.49	13.38	1.92	ppb
Barium	135-1	175.83	201.30	169.00	182.04	9.35	ppb
Barium	137-1	179.96	203.86	169.46	184.43	9.56	ppb
Beryllium	9-1	0.81	0.99	0.80	0.86	12.28	ppb
Bismuth	209-1				104		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.14	1.58	1.10	1.27	20.91	ppb
Cadmium	106-1	0.18	-1.27	-1.38	-0.82		ppb
Cadmium	111-1	0.95	1.09	0.81	0.95	14.67	ppb
Calcium	43-1	5094.85	5992.94	5028.82	5372.20	10.03	ppb
Calcium	44-1	4862.96	5598.77	4785.70	5082.48	8.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.03	20.61	20.26	20.30	1.45	ppb
Cobalt	59-2	5.50	5.60	5.64	5.58	1.26	ppb
Copper	63-2	80.89	81.34	82.85	81.70	1.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				109		%
Indium	115-1				102		%
Indium	115-2				106		%
Iron	56-2	14903.96	15180.79	15346.18	15143.64	1.48	ppb
Iron	57-2	15337.86	15657.51	15801.72	15599.03	1.52	ppb
Iron	54-2	15011.34	15225.36	15431.16	15222.62	1.38	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:09:43	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	211.06	240.60	201.27	217.64	9.41	ppb
Lead	207-1	199.03	230.77	192.43	207.41	9.88	ppb
Lead	208-1	216.13	251.69	206.93	224.92	10.51	ppb
Lithium	6-1				104		%
Magnesium	24-2	1298.25	1301.30	1301.85	1300.47	0.15	ppb
Manganese	55-2	1658.21	1689.89	1685.59	1677.90	1.02	ppb
Molybdenum	94-1	5.41	6.40	5.40	5.74	10.04	ppb
Molybdenum	95-1	2.50	2.87	2.36	2.58	10.36	ppb
Molybdenum	96-1	2.85	3.36	2.69	2.97	11.72	ppb
Molybdenum	97-1	2.36	2.78	2.30	2.48	10.62	ppb
Molybdenum	98-1	2.47	2.89	2.34	2.57	11.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.05	16.13	16.30	16.16	0.79	ppb
Phosphorus	31-2	993.11	972.43	1009.54	991.69	1.87	ppb
Potassium	39-2	414.71	425.43	419.15	419.76	1.28	ppb
Rhodium	103-1				104		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	82-1	3.71	4.08	3.39	3.73	9.26	ppb
Selenium	77-2	12.09	6.02	9.43	9.18	33.17	ppb
Selenium	78-2	3.61	4.60	3.98	4.06	12.25	ppb
Silicon	28-1	95.58	112.82	88.99	99.13	12.41	ppb
Silver	107-1	4.72	5.33	4.47	4.84	9.16	ppb
Silver	109-1	4.69	5.34	4.55	4.86	8.66	ppb
Sodium	23-2	1222.65	1233.85	1237.28	1231.26	0.62	ppb
Strontium	86-1	39.47	46.02	37.67	41.05	10.71	ppb
Strontium	88-1	39.45	45.84	37.80	41.03	10.34	ppb
Sulfur	34-1	-215.91	842.51	-452.09	58.17	1185.27	ppb
Terbium	159-1				103		%
Terbium	159-2				107		%
Thallium	203-1	0.19	0.23	0.19	0.20	11.44	ppb
Thallium	205-1	0.21	0.24	0.19	0.21	11.01	ppb
Tin	118-1	4.42	4.80	4.10	4.44	7.83	ppb
Titanium	47-1	192.26	225.08	188.21	201.85	10.02	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:09:43	DataFile Name :	105SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.08	1.23	1.03	1.11	9.35	ppb
Vanadium	51-2	39.24	38.67	39.27	39.06	0.86	ppb
Yttrium	89-1				108		%
Yttrium	89-2				110		%
Zinc	66-2	123.30	123.24	125.18	123.91	0.89	ppb
Zirconium	90-1	1.89	2.19	1.77	1.95	11.02	ppb
Zirconium	91-1	1.81	2.20	1.83	1.94	11.36	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:12:58	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	82432.52	82137.49	82277.09	82282.37	0.18	ppb
Antimony	121-1	1.81	1.94	1.87	1.87	3.66	ppb
Arsenic	75-2	49.16	50.54	49.31	49.67	1.53	ppb
Barium	135-1	526.13	531.88	533.95	530.65	0.76	ppb
Barium	137-1	538.22	555.09	578.48	557.26	3.63	ppb
Beryllium	9-1	5.70	5.66	5.74	5.70	0.67	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.87	7.83	7.54	7.41	6.65	ppb
Cadmium	106-1	9.52	9.03	8.15	8.90	7.80	ppb
Cadmium	111-1	5.61	5.57	5.50	5.56	0.94	ppb
Calcium	43-1	50007.50	49567.47	49259.75	49611.57	0.76	ppb
Calcium	44-1	47587.44	47092.28	46350.36	47010.03	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	196.93	197.56	197.06	197.18	0.17	ppb
Cobalt	59-2	38.44	38.44	38.86	38.58	0.63	ppb
Copper	63-2	790.16	786.39	800.37	792.31	0.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				110		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	227790.31	231094.91	234486.10	231123.77	1.45	ppb
Iron	57-2	231982.05	236135.42	229040.89	232386.12	1.53	ppb
Iron	54-2	232526.89	233924.38	235623.96	234025.08	0.66	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:12:58	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	672.35	696.38	702.13	690.29	2.29	ppb
Lead	207-1	665.29	690.97	657.45	671.24	2.61	ppb
Lead	208-1	668.63	681.85	668.46	672.98	1.14	ppb
Lithium	6-1				107		%
Magnesium	24-2	11703.23	11672.18	11779.53	11718.31	0.47	ppb
Manganese	55-2	1271.48	1294.26	1278.64	1281.46	0.91	ppb
Molybdenum	94-1	41.93	42.13	42.23	42.10	0.37	ppb
Molybdenum	95-1	4.25	4.12	4.16	4.18	1.57	ppb
Molybdenum	96-1	9.85	10.02	9.85	9.91	0.96	ppb
Molybdenum	97-1	4.26	4.22	4.38	4.29	1.99	ppb
Molybdenum	98-1	4.16	4.20	4.14	4.16	0.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	97.29	96.09	95.18	96.19	1.10	ppb
Phosphorus	31-2	7228.14	7160.51	7126.86	7171.83	0.72	ppb
Potassium	39-2	3705.14	3673.33	3723.45	3700.64	0.69	ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				115		%
Scandium	45-2				110		%
Selenium	82-1	6.00	4.29	4.32	4.87	20.13	ppb
Selenium	77-2	29.19	32.04	36.22	32.48	10.88	ppb
Selenium	78-2	8.52	8.79	9.92	9.08	8.18	ppb
Silicon	28-1	510.28	495.86	492.89	499.68	1.86	ppb
Silver	107-1	16.37	16.84	16.67	16.62	1.44	ppb
Silver	109-1	16.55	16.58	16.74	16.62	0.62	ppb
Sodium	23-2	2825.34	2829.15	2836.10	2830.20	0.19	ppb
Strontium	86-1	169.22	168.16	169.79	169.05	0.49	ppb
Strontium	88-1	172.89	173.34	170.96	172.40	0.73	ppb
Sulfur	34-1	3238.39	2811.69	2768.39	2939.49	8.84	ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	1.27	1.30	1.25	1.27	2.01	ppb
Thallium	205-1	1.27	1.29	1.28	1.28	0.45	ppb
Tin	118-1	16.63	16.85	16.94	16.81	0.96	ppb
Titanium	47-1	707.23	701.82	691.01	700.02	1.18	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:12:58	DataFile Name :	106SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	11.12	11.11	10.80	11.01	1.62	ppb
Vanadium	51-2	238.92	239.54	237.66	238.71	0.40	ppb
Yttrium	89-1				123		%
Yttrium	89-2				126		%
Zinc	66-2	1490.47	1491.71	1488.61	1490.26	0.10	ppb
Zirconium	90-1	20.03	20.19	20.24	20.15	0.54	ppb
Zirconium	91-1	20.08	20.25	20.17	20.17	0.41	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:16:02	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17166.81	16615.11	16931.63	16904.51	1.64	ppb
Antimony	121-1	0.39	0.40	0.37	0.38	3.76	ppb
Arsenic	75-2	11.17	11.38	10.78	11.11	2.75	ppb
Barium	135-1	107.48	103.97	104.36	105.27	1.82	ppb
Barium	137-1	109.45	104.44	105.64	106.51	2.45	ppb
Beryllium	9-1	1.22	1.20	1.17	1.20	2.09	ppb
Bismuth	209-1				108		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.31	1.75	1.40	1.49	15.58	ppb
Cadmium	106-1	2.50	-1.10	-0.68	0.24	823.32	ppb
Cadmium	111-1	1.15	0.85	0.77	0.92	21.53	ppb
Calcium	43-1	10223.58	10526.63	10587.91	10446.04	1.87	ppb
Calcium	44-1	9807.39	9875.74	9976.35	9886.50	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40.77	40.05	40.95	40.59	1.17	ppb
Cobalt	59-2	8.02	7.94	7.83	7.93	1.21	ppb
Copper	63-2	162.52	163.90	162.37	162.93	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				110		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	48470.92	48429.33	47837.20	48245.82	0.73	ppb
Iron	57-2	49015.46	48316.42	46752.77	48028.22	2.41	ppb
Iron	54-2	49256.17	49134.79	48017.64	48802.87	1.40	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:16:02	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	120.10	119.04	118.12	119.09	0.84	ppb
Lead	207-1	115.64	114.47	113.26	114.46	1.04	ppb
Lead	208-1	117.16	116.92	114.96	116.35	1.04	ppb
Lithium	6-1				108		%
Magnesium	24-2	2493.63	2500.13	2465.58	2486.45	0.74	ppb
Manganese	55-2	268.44	267.01	265.35	266.93	0.58	ppb
Molybdenum	94-1	8.98	8.91	9.08	8.99	0.91	ppb
Molybdenum	95-1	0.89	0.80	0.84	0.85	4.94	ppb
Molybdenum	96-1	2.16	2.15	2.15	2.15	0.32	ppb
Molybdenum	97-1	0.85	0.86	0.83	0.85	2.15	ppb
Molybdenum	98-1	0.89	0.90	0.88	0.89	0.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	19.91	20.43	20.23	20.19	1.31	ppb
Phosphorus	31-2	1471.51	1446.93	1483.06	1467.17	1.26	ppb
Potassium	39-2	759.93	753.08	751.06	754.69	0.62	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				107		%
Selenium	82-1	1.51	1.21	0.84	1.19	28.43	ppb
Selenium	77-2	12.22	5.85	6.18	8.09	44.33	ppb
Selenium	78-2	3.13	3.99	0.78	2.64	63.04	ppb
Silicon	28-1	101.85	104.76	105.97	104.19	2.04	ppb
Silver	107-1	3.42	3.25	3.31	3.33	2.61	ppb
Silver	109-1	3.36	3.28	3.35	3.33	1.23	ppb
Sodium	23-2	583.55	581.44	583.37	582.79	0.20	ppb
Strontium	86-1	37.23	37.13	36.23	36.87	1.51	ppb
Strontium	88-1	36.96	37.04	36.94	36.98	0.14	ppb
Sulfur	34-1	-1129.70	-1079.37	-930.00	-1046.36		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	0.23	0.25	0.27	0.25	6.29	ppb
Thallium	205-1	0.26	0.25	0.25	0.25	1.98	ppb
Tin	118-1	3.17	3.02	3.06	3.08	2.50	ppb
Titanium	47-1	142.29	148.99	151.04	147.44	3.10	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:16:02	DataFile Name :	107SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.16	2.12	2.12	2.13	1.11	ppb
Vanadium	51-2	49.45	48.80	49.46	49.24	0.77	ppb
Yttrium	89-1				113		%
Yttrium	89-2				113		%
Zinc	66-2	319.66	319.78	312.44	317.29	1.32	ppb
Zirconium	90-1	4.34	4.38	4.33	4.35	0.55	ppb
Zirconium	91-1	4.30	4.39	4.24	4.31	1.84	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:19:16	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	122651.25	124187.78	124485.03	123774.69	0.80	ppb
Antimony	121-1	1.84	1.86	1.93	1.88	2.49	ppb
Arsenic	75-2	58.33	57.79	59.99	58.71	1.95	ppb
Barium	135-1	743.10	722.83	737.21	734.38	1.42	ppb
Barium	137-1	787.99	778.14	799.67	788.60	1.37	ppb
Beryllium	9-1	8.34	8.64	8.69	8.56	2.18	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.06	8.90	9.18	9.05	1.54	ppb
Cadmium	106-1	11.57	11.35	12.18	11.70	3.67	ppb
Cadmium	111-1	6.82	6.70	6.61	6.71	1.59	ppb
Calcium	43-1	63064.67	63488.12	65908.28	64153.69	2.39	ppb
Calcium	44-1	63312.16	63407.27	66104.38	64274.60	2.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	247.49	247.43	245.35	246.76	0.49	ppb
Cobalt	59-2	61.40	59.80	61.09	60.76	1.39	ppb
Copper	63-2	1021.75	995.11	1018.38	1011.75	1.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				112		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	182514.49	182626.81	182746.37	182629.22	0.06	ppb
Iron	57-2	183361.22	181757.67	180034.30	181717.73	0.92	ppb
Iron	54-2	187149.08	180515.35	179553.64	182406.02	2.27	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:19:16	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	795.49	803.09	834.00	810.86	2.52	ppb
Lead	207-1	785.00	768.13	775.15	776.09	1.09	ppb
Lead	208-1	788.85	789.04	796.70	791.53	0.57	ppb
Lithium	6-1				109		%
Magnesium	24-2	18579.55	18419.02	18666.84	18555.13	0.68	ppb
Manganese	55-2	1493.23	1452.04	1449.31	1464.86	1.68	ppb
Molybdenum	94-1	45.73	45.82	46.30	45.95	0.67	ppb
Molybdenum	95-1	4.05	3.97	4.00	4.01	1.08	ppb
Molybdenum	96-1	9.70	9.63	9.80	9.71	0.89	ppb
Molybdenum	97-1	4.12	4.15	4.25	4.17	1.58	ppb
Molybdenum	98-1	3.98	3.93	4.09	4.00	2.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	132.62	131.69	132.60	132.30	0.40	ppb
Phosphorus	31-2	5559.03	5615.60	5593.81	5589.48	0.51	ppb
Potassium	39-2	4683.01	4574.20	4737.37	4664.86	1.78	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				119		%
Scandium	45-2				114		%
Selenium	82-1	6.45	6.04	6.65	6.38	4.83	ppb
Selenium	77-2	51.05	52.24	57.27	53.52	6.17	ppb
Selenium	78-2	14.90	12.19	11.82	12.97	12.97	ppb
Silicon	28-1	493.02	493.43	512.53	499.66	2.23	ppb
Silver	107-1	15.58	15.61	15.71	15.63	0.45	ppb
Silver	109-1	15.56	15.55	15.73	15.61	0.62	ppb
Sodium	23-2	4378.26	4197.15	4364.95	4313.45	2.34	ppb
Strontium	86-1	216.02	215.24	223.17	218.14	2.00	ppb
Strontium	88-1	221.03	219.78	222.93	221.25	0.72	ppb
Sulfur	34-1	4294.31	4121.72	4419.58	4278.54	3.50	ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	1.93	1.92	1.93	1.92	0.26	ppb
Thallium	205-1	1.92	1.94	1.98	1.95	1.32	ppb
Tin	118-1	13.40	13.50	13.64	13.52	0.89	ppb
Titanium	47-1	908.65	892.76	912.90	904.77	1.17	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:19:16	DataFile Name :	108SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	11.80	11.97	12.22	12.00	1.78	ppb
Vanadium	51-2	330.94	327.96	324.12	327.67	1.04	ppb
Yttrium	89-1				137		%
Yttrium	89-2				135		%
Zinc	66-2	1168.50	1150.35	1166.23	1161.69	0.85	ppb
Zirconium	90-1	21.96	22.00	22.50	22.16	1.36	ppb
Zirconium	91-1	21.85	21.76	22.48	22.03	1.78	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:22:18	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26274.83	27013.96	25139.68	26142.82	3.61	ppb
Antimony	121-1	0.36	0.37	0.36	0.36	1.07	ppb
Arsenic	75-2	13.84	14.20	12.93	13.65	4.81	ppb
Barium	135-1	141.93	146.57	145.87	144.79	1.73	ppb
Barium	137-1	143.76	148.16	147.10	146.34	1.57	ppb
Beryllium	9-1	1.62	1.72	1.53	1.62	5.96	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.77	1.82	1.46	1.68	11.55	ppb
Cadmium	106-1	-0.24	0.76	1.29	0.61	128.30	ppb
Cadmium	111-1	1.08	1.21	1.31	1.20	9.29	ppb
Calcium	43-1	13763.79	14032.17	14067.00	13954.32	1.19	ppb
Calcium	44-1	13136.71	13352.64	13106.67	13198.67	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.30	53.92	49.75	51.66	4.08	ppb
Cobalt	59-2	12.90	13.55	12.68	13.04	3.48	ppb
Copper	63-2	209.52	220.54	204.82	211.63	3.81	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				108		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	38657.69	40107.29	37272.69	38679.22	3.66	ppb
Iron	57-2	38781.14	39153.84	36943.27	38292.75	3.09	ppb
Iron	54-2	38430.62	40045.51	37215.38	38563.84	3.68	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:22:18	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	136.03	138.49	139.84	138.12	1.40	ppb
Lead	207-1	128.93	131.99	131.89	130.94	1.33	ppb
Lead	208-1	132.78	135.17	135.53	134.49	1.11	ppb
Lithium	6-1				108		%
Magnesium	24-2	4008.37	4190.25	3922.12	4040.25	3.39	ppb
Manganese	55-2	312.73	326.46	301.81	313.67	3.94	ppb
Molybdenum	94-1	10.58	10.47	10.45	10.50	0.66	ppb
Molybdenum	95-1	0.92	0.88	0.88	0.90	2.61	ppb
Molybdenum	96-1	2.27	2.21	2.33	2.27	2.55	ppb
Molybdenum	97-1	0.95	0.88	0.85	0.89	5.64	ppb
Molybdenum	98-1	0.94	0.88	0.94	0.92	3.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.61	29.42	27.37	28.47	3.62	ppb
Phosphorus	31-2	1195.00	1220.33	1157.43	1190.92	2.66	ppb
Potassium	39-2	1014.17	1066.49	977.52	1019.39	4.39	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	82-1	2.09	2.27	1.52	1.96	19.84	ppb
Selenium	77-2	9.00	10.55	12.38	10.64	15.86	ppb
Selenium	78-2	2.25	3.67	2.25	2.72	30.01	ppb
Silicon	28-1	101.48	105.72	104.27	103.82	2.08	ppb
Silver	107-1	3.08	3.14	3.19	3.14	1.69	ppb
Silver	109-1	3.07	3.06	3.15	3.09	1.71	ppb
Sodium	23-2	943.60	990.60	918.94	951.05	3.83	ppb
Strontium	86-1	50.34	50.60	51.02	50.65	0.68	ppb
Strontium	88-1	50.56	50.18	50.77	50.50	0.59	ppb
Sulfur	34-1	-1078.53	-1006.35	-1055.69	-1046.86		ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	0.35	0.38	0.40	0.37	7.65	ppb
Thallium	205-1	0.36	0.37	0.36	0.36	1.46	ppb
Tin	118-1	2.47	2.47	2.54	2.49	1.58	ppb
Titanium	47-1	184.68	187.55	188.00	186.74	0.96	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:22:18	DataFile Name :	109SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.22	2.29	2.24	2.25	1.45	ppb
Vanadium	51-2	67.88	70.92	65.34	68.05	4.11	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-2	250.04	262.77	243.08	251.96	3.96	ppb
Zirconium	90-1	5.08	5.05	5.13	5.09	0.84	ppb
Zirconium	91-1	5.16	5.19	5.21	5.18	0.51	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:25:33	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	122734.97	121959.37	122013.48	122235.94	0.35	ppb
Antimony	121-1	1.14	1.16	1.17	1.15	1.37	ppb
Arsenic	75-2	57.30	59.59	59.59	58.83	2.25	ppb
Barium	135-1	691.80	701.21	693.65	695.55	0.72	ppb
Barium	137-1	741.95	753.52	749.15	748.20	0.78	ppb
Beryllium	9-1	9.45	9.99	9.94	9.79	3.08	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	7.39	7.28	7.25	7.31	1.03	ppb
Cadmium	106-1	11.04	9.74	9.27	10.02	9.15	ppb
Cadmium	111-1	5.84	5.81	5.79	5.81	0.46	ppb
Calcium	43-1	40796.27	40607.52	40992.86	40798.89	0.47	ppb
Calcium	44-1	38127.28	38536.32	39116.65	38593.42	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	211.57	210.04	211.06	210.89	0.37	ppb
Cobalt	59-2	126.29	125.54	126.79	126.20	0.50	ppb
Copper	63-2	1014.49	998.38	1015.16	1009.34	0.94	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				111		%
Indium	115-1				103		%
Indium	115-2				105		%
Iron	56-2	193042.94	193579.11	190668.21	192430.08	0.81	ppb
Iron	57-2	192230.37	188788.79	193827.54	191615.56	1.34	ppb
Iron	54-2	193873.62	193178.48	195788.91	194280.34	0.70	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:25:33	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	661.85	681.69	668.32	670.62	1.51	ppb
Lead	207-1	638.99	669.18	635.29	647.82	2.87	ppb
Lead	208-1	643.69	668.28	647.92	653.30	2.01	ppb
Lithium	6-1				108		%
Magnesium	24-2	16306.03	15963.44	16044.65	16104.71	1.11	ppb
Manganese	55-2	1177.52	1178.32	1184.45	1180.10	0.32	ppb
Molybdenum	94-1	35.75	36.49	35.68	35.97	1.24	ppb
Molybdenum	95-1	3.58	3.72	3.58	3.63	2.28	ppb
Molybdenum	96-1	8.40	8.63	8.47	8.50	1.39	ppb
Molybdenum	97-1	3.68	3.90	3.63	3.74	3.75	ppb
Molybdenum	98-1	3.72	3.71	3.67	3.70	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	253.55	251.39	252.72	252.55	0.43	ppb
Phosphorus	31-2	4420.24	4370.81	4422.43	4404.49	0.66	ppb
Potassium	39-2	4256.83	4128.44	4468.14	4284.47	4.00	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				117		%
Scandium	45-2				113		%
Selenium	82-1	5.03	4.99	4.90	4.97	1.41	ppb
Selenium	77-2	42.24	43.14	49.37	44.92	8.65	ppb
Selenium	78-2	13.06	11.59	13.32	12.66	7.36	ppb
Silicon	28-1	520.62	523.62	522.13	522.12	0.29	ppb
Silver	107-1	17.72	18.43	18.05	18.07	1.96	ppb
Silver	109-1	17.80	18.31	18.15	18.09	1.46	ppb
Sodium	23-2	3472.16	3335.92	3400.90	3402.99	2.00	ppb
Strontium	86-1	165.76	168.19	165.89	166.61	0.82	ppb
Strontium	88-1	166.22	172.51	170.47	169.73	1.89	ppb
Sulfur	34-1	159.73	43.78	-46.98	52.18	198.57	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	1.77	1.84	1.78	1.80	2.04	ppb
Thallium	205-1	1.78	1.78	1.78	1.78	0.10	ppb
Tin	118-1	30.09	30.22	30.25	30.19	0.27	ppb
Titanium	47-1	725.27	736.35	728.58	730.07	0.78	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:25:33	DataFile Name :	110SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.49	8.71	8.68	8.63	1.40	ppb
Vanadium	51-2	333.73	332.13	331.01	332.29	0.41	ppb
Yttrium	89-1				135		%
Yttrium	89-2				134		%
Zinc	66-2	994.75	992.36	1002.01	996.37	0.50	ppb
Zirconium	90-1	16.91	17.29	17.09	17.10	1.11	ppb
Zirconium	91-1	17.09	17.20	16.85	17.05	1.05	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:28:35	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25987.03	26728.98	25651.21	26122.41	2.11	ppb
Antimony	121-1	0.25	0.22	0.25	0.24	7.12	ppb
Arsenic	75-2	13.91	13.11	13.54	13.52	2.99	ppb
Barium	135-1	137.58	137.39	137.45	137.48	0.07	ppb
Barium	137-1	139.34	138.82	139.20	139.12	0.20	ppb
Beryllium	9-1	2.02	2.05	1.98	2.02	1.90	ppb
Bismuth	209-1				108		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.38	1.23	1.74	1.45	18.02	ppb
Cadmium	106-1	0.83	0.27	0.71	0.60	48.93	ppb
Cadmium	111-1	1.02	1.05	1.02	1.03	1.80	ppb
Calcium	43-1	8524.88	8533.11	8382.35	8480.12	1.00	ppb
Calcium	44-1	8154.12	8189.17	7948.64	8097.31	1.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44.29	44.49	43.37	44.05	1.36	ppb
Cobalt	59-2	27.05	26.71	26.44	26.73	1.13	ppb
Copper	63-2	211.87	209.30	208.49	209.89	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				108		%
Holmium	165-2				111		%
Indium	115-1				107		%
Indium	115-2				109		%
Iron	56-2	40477.44	41345.95	40644.65	40822.68	1.13	ppb
Iron	57-2	41142.00	41505.80	40216.30	40954.70	1.62	ppb
Iron	54-2	41434.17	40691.62	40312.51	40812.77	1.40	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:28:35	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	114.76	118.85	118.33	117.31	1.90	ppb
Lead	207-1	109.20	111.59	112.42	111.07	1.51	ppb
Lead	208-1	112.35	114.13	115.51	114.00	1.39	ppb
Lithium	6-1				109		%
Magnesium	24-2	3570.92	3559.32	3496.09	3542.11	1.14	ppb
Manganese	55-2	254.51	254.50	251.20	253.40	0.75	ppb
Molybdenum	94-1	8.41	8.45	8.32	8.39	0.83	ppb
Molybdenum	95-1	0.81	0.83	0.85	0.83	2.48	ppb
Molybdenum	96-1	1.98	1.94	2.07	2.00	3.43	ppb
Molybdenum	97-1	0.79	0.81	0.90	0.83	7.51	ppb
Molybdenum	98-1	0.85	0.83	0.83	0.84	1.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.70	54.16	52.65	53.50	1.45	ppb
Phosphorus	31-2	922.78	939.34	903.84	921.99	1.93	ppb
Potassium	39-2	915.87	923.05	897.15	912.02	1.47	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				112		%
Scandium	45-2				107		%
Selenium	82-1	1.37	1.63	1.85	1.62	15.05	ppb
Selenium	77-2	7.45	9.97	13.42	10.28	29.16	ppb
Selenium	78-2	2.40	3.38	1.14	2.31	48.74	ppb
Silicon	28-1	110.34	106.48	105.69	107.50	2.32	ppb
Silver	107-1	3.60	3.69	3.72	3.67	1.80	ppb
Silver	109-1	3.57	3.68	3.69	3.65	1.80	ppb
Sodium	23-2	755.71	760.03	749.83	755.19	0.68	ppb
Strontium	86-1	39.19	39.16	39.56	39.30	0.57	ppb
Strontium	88-1	39.60	39.32	39.58	39.50	0.41	ppb
Sulfur	34-1	-1978.36	-2146.98	-2144.48	-2089.94		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	0.32	0.34	0.35	0.34	4.35	ppb
Thallium	205-1	0.34	0.35	0.36	0.35	1.82	ppb
Tin	118-1	5.36	5.23	5.51	5.36	2.60	ppb
Titanium	47-1	153.16	153.51	153.73	153.46	0.19	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:28:35	DataFile Name :	111SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.61	1.64	1.67	1.64	1.82	ppb
Vanadium	51-2	69.56	70.00	68.59	69.38	1.04	ppb
Yttrium	89-1				114		%
Yttrium	89-2				114		%
Zinc	66-2	215.69	213.20	212.10	213.66	0.86	ppb
Zirconium	90-1	4.02	4.09	3.99	4.03	1.29	ppb
Zirconium	91-1	3.93	4.02	4.09	4.01	2.01	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:31:48	DataFile Name :	112CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49482.67	49304.27	50410.09	49732.34	1.19	ppb
Antimony	121-1	482.69	492.01	492.43	489.05	1.13	ppb
Arsenic	75-2	480.50	473.29	476.89	476.90	0.76	ppb
Barium	135-1	2410.93	2375.77	2410.16	2398.96	0.84	ppb
Barium	137-1	2399.44	2455.86	2369.39	2408.23	1.82	ppb
Beryllium	9-1	504.52	510.98	509.63	508.38	0.67	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	485.49	475.94	483.83	481.75	1.06	ppb
Cadmium	106-1	480.39	470.67	478.59	476.55	1.09	ppb
Cadmium	111-1	468.34	463.46	469.39	467.06	0.68	ppb
Calcium	43-1	245709.15	262470.45	256103.49	254761.03	3.32	ppb
Calcium	44-1	248651.21	263789.31	251563.78	254668.10	3.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	483.09	483.37	485.18	483.88	0.23	ppb
Cobalt	59-2	489.25	469.13	479.18	479.19	2.10	ppb
Copper	63-2	4879.35	4737.58	4767.63	4794.85	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				108		%
Holmium	165-2				110		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	125819.60	128738.10	127629.50	127395.73	1.16	ppb
Iron	57-2	130841.41	124983.13	128006.08	127943.54	2.29	ppb
Iron	54-2	127306.69	126437.99	129270.51	127671.73	1.14	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:31:48	DataFile Name :	112CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2422.25	2500.85	2454.94	2459.34	1.61	ppb
Lead	207-1	2377.70	2481.66	2430.97	2430.11	2.14	ppb
Lead	208-1	2392.81	2518.16	2462.08	2457.68	2.55	ppb
Lithium	6-1				110		%
Magnesium	24-2	247498.81	247097.24	248305.39	247633.81	0.25	ppb
Manganese	55-2	4756.57	4821.08	4766.75	4781.47	0.73	ppb
Molybdenum	94-1	5070.95	5294.96	5454.05	5273.32	3.65	ppb
Molybdenum	95-1	5182.87	5358.37	5361.51	5300.92	1.93	ppb
Molybdenum	96-1	5113.85	5342.83	5510.43	5322.37	3.74	ppb
Molybdenum	97-1	5222.59	5478.91	5632.67	5444.72	3.80	ppb
Molybdenum	98-1	5182.44	5425.99	5469.93	5359.45	2.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	464.56	465.61	466.78	465.65	0.24	ppb
Phosphorus	31-2	9527.31	9541.21	9503.80	9524.11	0.20	ppb
Potassium	39-2	122080.04	127626.16	124766.18	124824.13	2.22	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				109		%
Scandium	45-2				101		%
Selenium	82-1	456.85	479.35	472.33	469.51	2.45	ppb
Selenium	77-2	473.64	456.34	455.31	461.76	2.23	ppb
Selenium	78-2	476.91	467.82	468.68	471.14	1.07	ppb
Silicon	28-1	483.70	502.30	505.08	497.03	2.34	ppb
Silver	107-1	485.33	473.91	479.95	479.73	1.19	ppb
Silver	109-1	480.93	478.77	482.63	480.78	0.40	ppb
Sodium	23-2	250448.84	251692.67	250452.87	250864.79	0.29	ppb
Strontium	86-1	11784.62	12146.84	12730.13	12220.53	3.90	ppb
Strontium	88-1	11704.14	12289.96	12334.23	12109.45	2.90	ppb
Sulfur	34-1	8299.45	8398.47	8279.58	8325.84	0.76	ppb
Terbium	159-1				107		%
Terbium	159-2				108		%
Thallium	203-1	493.08	494.39	488.79	492.09	0.59	ppb
Thallium	205-1	489.85	494.31	498.20	494.12	0.85	ppb
Tin	118-1	488.76	494.37	499.15	494.09	1.05	ppb
Titanium	47-1	5347.63	5447.28	5372.24	5389.05	0.96	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:31:48	DataFile Name :	112CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	477.31	500.06	489.15	488.84	2.33	ppb
Vanadium	51-2	496.57	489.19	495.98	493.91	0.83	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	4773.37	4717.70	4813.85	4768.31	1.01	ppb
Zirconium	90-1	473.63	493.67	500.56	489.28	2.86	ppb
Zirconium	91-1	467.06	489.31	493.22	483.20	2.92	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:50:58	DataFile Name :	113CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.47	-0.90	-0.99	-0.79		ppb
Antimony	121-1	0.04	0.06	0.06	0.05	22.16	ppb
Arsenic	75-2	-0.02	-0.03	0.00	-0.01		ppb
Barium	135-1	-0.01	-0.02	-0.01	-0.01		ppb
Barium	137-1	0.00	-0.01	-0.02	-0.01		ppb
Beryllium	9-1	0.02	0.00	0.04	0.02	98.07	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.13	-0.01	-0.07	-0.07		ppb
Cadmium	106-1	-2.63	-3.04	-3.15	-2.94		ppb
Cadmium	111-1	-0.19	-0.23	-0.24	-0.22		ppb
Calcium	43-1	-7.33	-4.94	-5.14	-5.80		ppb
Calcium	44-1	-8.78	-8.39	-10.54	-9.24		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.25	-0.26	-0.26	-0.26		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.02	0.01	0.00	0.00		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				101		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	56-2	-0.77	-0.67	-0.32	-0.59		ppb
Iron	57-2	-4.31	0.35	-2.46	-2.14		ppb
Iron	54-2	0.45	0.23	0.05	0.24	83.41	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:50:58	DataFile Name :	113CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	-0.02	-0.03	-0.03	-0.03		ppb
Lead	207-1	-0.04	-0.03	-0.03	-0.04		ppb
Lead	208-1	-0.03	-0.03	-0.03	-0.03		ppb
Lithium	6-1				103		%
Magnesium	24-2	2.25	1.96	2.92	2.38	20.70	ppb
Manganese	55-2	-0.07	-0.04	-0.03	-0.05		ppb
Molybdenum	94-1	0.01	0.01	0.02	0.02	24.29	ppb
Molybdenum	95-1	-0.01	-0.01	0.01	0.00		ppb
Molybdenum	96-1	0.01	0.01	0.02	0.01	29.63	ppb
Molybdenum	97-1	-0.01	0.00	-0.02	-0.01		ppb
Molybdenum	98-1	0.01	0.00	0.01	0.00	125.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.20	-0.17	-0.15	-0.17		ppb
Phosphorus	31-2	-17.96	-18.30	-19.72	-18.66		ppb
Potassium	39-2	-12.82	-12.01	-10.91	-11.91		ppb
Rhodium	103-1				104		%
Rhodium	103-2				107		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	82-1	0.01	0.35	0.52	0.29	89.95	ppb
Selenium	77-2	0.23	-0.13	-0.13	-0.01		ppb
Selenium	78-2	-1.28	0.99	-0.81	-0.37		ppb
Silicon	28-1	-0.55	-0.55	-0.59	-0.56		ppb
Silver	107-1	0.01	0.00	0.00	0.00	89.87	ppb
Silver	109-1	0.01	0.00	0.00	0.00	56.19	ppb
Sodium	23-2	9.51	10.16	10.30	9.99	4.20	ppb
Strontium	86-1	0.02	0.04	0.06	0.04	44.36	ppb
Strontium	88-1	0.05	0.04	0.06	0.05	15.70	ppb
Sulfur	34-1	-765.59	-793.46	-801.04	-786.70		ppb
Terbium	159-1				102		%
Terbium	159-2				105		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00	184.67	ppb
Tin	118-1	-0.02	-0.01	-0.02	-0.02		ppb
Titanium	47-1	0.03	0.06	0.03	0.04	37.05	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:50:58	DataFile Name :	113CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	45.17	ppb
Vanadium	51-2	0.00	0.01	0.01	0.01	44.09	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	-0.52	-0.71	-0.46	-0.56		ppb
Zirconium	90-1	0.00	0.01	0.01	0.01	40.33	ppb
Zirconium	91-1	0.00	0.01	0.02	0.01	82.01	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:54:14	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	63010.30	63661.90	64607.44	63759.88	1.26	ppb
Antimony	121-1	7.84	7.65	7.49	7.66	2.30	ppb
Arsenic	75-2	71.25	73.87	73.39	72.84	1.91	ppb
Barium	135-1	1211.18	1219.67	1175.06	1201.97	1.97	ppb
Barium	137-1	1243.34	1216.14	1192.80	1217.42	2.08	ppb
Beryllium	9-1	6.94	6.81	6.72	6.82	1.66	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.97	8.06	8.60	8.55	5.35	ppb
Cadmium	106-1	11.23	10.68	10.06	10.66	5.53	ppb
Cadmium	111-1	8.43	8.03	7.97	8.14	3.09	ppb
Calcium	43-1	26535.49	26950.52	27496.19	26994.06	1.78	ppb
Calcium	44-1	25649.27	26059.97	25898.00	25869.08	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	132.41	131.76	133.12	132.43	0.51	ppb
Cobalt	59-2	47.34	48.01	47.95	47.76	0.77	ppb
Copper	63-2	402.99	405.48	407.08	405.18	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				107		%
Holmium	165-2				112		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	56-2	97007.86	98171.02	98469.08	97882.65	0.79	ppb
Iron	57-2	96238.35	95521.30	97587.84	96449.16	1.09	ppb
Iron	54-2	98053.59	98881.96	99937.78	98957.78	0.95	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:54:14	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1300.97	1300.09	1272.11	1291.06	1.27	ppb
Lead	207-1	1230.11	1259.83	1181.55	1223.83	3.23	ppb
Lead	208-1	1255.30	1259.16	1226.11	1246.86	1.45	ppb
Lithium	6-1				110		%
Magnesium	24-2	8276.54	8348.17	8401.84	8342.18	0.75	ppb
Manganese	55-2	13005.76	13137.04	13008.47	13050.42	0.57	ppb
Molybdenum	94-1	21.25	21.49	21.52	21.42	0.70	ppb
Molybdenum	95-1	10.59	10.31	10.37	10.42	1.40	ppb
Molybdenum	96-1	11.89	12.03	11.95	11.96	0.59	ppb
Molybdenum	97-1	9.97	10.47	10.27	10.24	2.44	ppb
Molybdenum	98-1	9.96	9.97	10.04	9.99	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	93.41	94.66	95.55	94.54	1.14	ppb
Phosphorus	31-2	5741.12	5913.82	5960.30	5871.75	1.97	ppb
Potassium	39-2	3168.84	3188.41	3228.91	3195.39	0.96	ppb
Rhodium	103-1				104		%
Rhodium	103-2				106		%
Scandium	45-1				115		%
Scandium	45-2				109		%
Selenium	82-1	10.79	9.63	10.16	10.19	5.69	ppb
Selenium	77-2	43.60	41.39	42.12	42.37	2.66	ppb
Selenium	78-2	15.70	13.58	15.70	14.99	8.15	ppb
Silicon	28-1	445.63	455.35	460.23	453.74	1.64	ppb
Silver	107-1	41.78	41.42	41.57	41.59	0.44	ppb
Silver	109-1	41.76	41.63	40.99	41.46	1.00	ppb
Sodium	23-2	4886.98	4829.73	4833.32	4850.01	0.66	ppb
Strontium	86-1	169.71	170.43	171.41	170.52	0.50	ppb
Strontium	88-1	176.80	172.81	177.73	175.78	1.49	ppb
Sulfur	34-1	5664.68	5794.79	5805.94	5755.14	1.36	ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	1.13	1.12	1.12	1.13	0.42	ppb
Thallium	205-1	1.09	1.13	1.07	1.10	2.80	ppb
Tin	118-1	9.68	9.45	9.53	9.55	1.26	ppb
Titanium	47-1	862.84	875.54	880.01	872.80	1.02	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:54:14	DataFile Name :	114SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.46	7.73	7.51	7.57	1.92	ppb
Vanadium	51-2	197.58	199.68	199.89	199.05	0.64	ppb
Yttrium	89-1				138		%
Yttrium	89-2				138		%
Zinc	66-2	1010.26	1018.78	1015.59	1014.88	0.42	ppb
Zirconium	90-1	6.75	6.79	6.87	6.80	0.90	ppb
Zirconium	91-1	6.88	6.95	6.78	6.87	1.19	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:57:19	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13348.84	13182.31	13267.90	13266.35	0.63	ppb
Antimony	121-1	1.51	1.56	1.50	1.52	2.14	ppb
Arsenic	75-2	16.54	17.36	17.16	17.02	2.53	ppb
Barium	135-1	225.89	226.34	224.87	225.70	0.33	ppb
Barium	137-1	226.77	228.30	227.76	227.61	0.34	ppb
Beryllium	9-1	1.33	1.43	1.32	1.36	4.74	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.09	1.59	1.41	1.70	20.72	ppb
Cadmium	106-1	0.88	0.76	-0.64	0.33	254.31	ppb
Cadmium	111-1	1.41	1.64	1.49	1.51	7.56	ppb
Calcium	43-1	5569.45	5716.28	5686.48	5657.41	1.37	ppb
Calcium	44-1	5309.08	5482.74	5370.85	5387.56	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26.97	28.04	26.80	27.27	2.46	ppb
Cobalt	59-2	10.14	10.15	10.03	10.11	0.69	ppb
Copper	63-2	85.24	85.90	84.79	85.31	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				106		%
Holmium	165-2				110		%
Indium	115-1				108		%
Indium	115-2				107		%
Iron	56-2	20035.27	20652.21	19993.57	20227.02	1.82	ppb
Iron	57-2	20852.48	21220.00	20742.57	20938.35	1.19	ppb
Iron	54-2	20598.97	21071.22	20488.26	20719.48	1.49	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:57:19	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	226.32	227.61	228.18	227.37	0.42	ppb
Lead	207-1	210.98	214.06	212.96	212.67	0.73	ppb
Lead	208-1	231.69	233.65	231.59	232.31	0.50	ppb
Lithium	6-1				112		%
Magnesium	24-2	1781.38	1802.19	1776.88	1786.82	0.76	ppb
Manganese	55-2	2689.76	2731.93	2721.94	2714.54	0.81	ppb
Molybdenum	94-1	5.16	5.25	5.01	5.14	2.35	ppb
Molybdenum	95-1	2.58	2.48	2.46	2.51	2.66	ppb
Molybdenum	96-1	2.92	2.90	2.82	2.88	1.90	ppb
Molybdenum	97-1	2.56	2.51	2.43	2.50	2.60	ppb
Molybdenum	98-1	2.40	2.43	2.46	2.43	1.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	19.58	20.08	19.86	19.84	1.25	ppb
Phosphorus	31-2	1161.64	1180.08	1130.25	1157.32	2.18	ppb
Potassium	39-2	637.63	660.75	641.28	646.55	1.92	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				111		%
Scandium	45-2				105		%
Selenium	82-1	3.22	2.01	2.80	2.68	22.88	ppb
Selenium	77-2	9.08	9.96	10.49	9.85	7.23	ppb
Selenium	78-2	2.20	4.63	3.98	3.60	34.99	ppb
Silicon	28-1	91.09	94.65	94.94	93.56	2.29	ppb
Silver	107-1	8.30	8.54	8.47	8.44	1.44	ppb
Silver	109-1	8.26	8.46	8.47	8.40	1.38	ppb
Sodium	23-2	1046.12	1061.85	1048.65	1052.21	0.80	ppb
Strontium	86-1	42.47	42.12	41.62	42.07	1.02	ppb
Strontium	88-1	42.67	42.02	41.34	42.01	1.58	ppb
Sulfur	34-1	-785.75	-755.02	-723.73	-754.84		ppb
Terbium	159-1				107		%
Terbium	159-2				108		%
Thallium	203-1	0.21	0.21	0.21	0.21	1.62	ppb
Thallium	205-1	0.21	0.22	0.21	0.21	3.10	ppb
Tin	118-1	1.82	1.85	1.87	1.84	1.35	ppb
Titanium	47-1	178.18	183.30	180.35	180.61	1.42	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:57:19	DataFile Name :	115SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.44	1.49	1.46	1.46	1.65	ppb
Vanadium	51-2	40.78	41.10	40.73	40.87	0.49	ppb
Yttrium	89-1				114		%
Yttrium	89-2				113		%
Zinc	66-2	213.91	219.48	214.37	215.92	1.43	ppb
Zirconium	90-1	1.66	1.65	1.64	1.65	0.49	ppb
Zirconium	91-1	1.67	1.61	1.63	1.64	1.81	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:00:30	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88199.72	90651.95	88769.33	89207.00	1.44	ppb
Antimony	121-1	6.82	6.97	7.04	6.94	1.63	ppb
Arsenic	75-2	77.78	81.31	78.38	79.15	2.39	ppb
Barium	135-1	1432.37	1412.73	1461.78	1435.63	1.72	ppb
Barium	137-1	1423.39	1410.52	1446.61	1426.84	1.28	ppb
Beryllium	9-1	7.56	8.33	8.07	7.99	4.91	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	10.60	11.21	11.79	11.20	5.30	ppb
Cadmium	106-1	14.98	13.76	14.65	14.46	4.39	ppb
Cadmium	111-1	9.43	9.35	9.75	9.51	2.23	ppb
Calcium	43-1	32141.57	32676.86	32343.75	32387.40	0.83	ppb
Calcium	44-1	30503.77	30777.26	30414.34	30565.13	0.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	192.96	194.04	192.81	193.27	0.35	ppb
Cobalt	59-2	70.32	72.34	70.78	71.15	1.49	ppb
Copper	63-2	412.97	416.38	414.86	414.74	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				109		%
Holmium	165-2				115		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	56-2	136352.62	138070.72	137903.92	137442.42	0.69	ppb
Iron	57-2	133561.47	135981.34	135222.23	134921.68	0.92	ppb
Iron	54-2	135495.65	135869.05	134356.89	135240.53	0.58	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:00:30	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1069.90	1057.98	1091.15	1073.01	1.57	ppb
Lead	207-1	1002.78	1011.98	1014.89	1009.89	0.63	ppb
Lead	208-1	1024.72	1033.71	1049.65	1036.02	1.22	ppb
Lithium	6-1				111		%
Magnesium	24-2	14427.96	14216.37	14195.77	14280.03	0.90	ppb
Manganese	55-2	20957.56	21209.78	21221.86	21129.73	0.71	ppb
Molybdenum	94-1	29.03	30.16	30.17	29.79	2.19	ppb
Molybdenum	95-1	12.81	12.88	13.00	12.90	0.75	ppb
Molybdenum	96-1	14.92	15.23	15.15	15.10	1.06	ppb
Molybdenum	97-1	12.42	12.80	12.77	12.66	1.67	ppb
Molybdenum	98-1	12.22	12.49	12.33	12.35	1.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	117.92	118.02	117.02	117.65	0.47	ppb
Phosphorus	31-2	7822.66	7894.07	7797.29	7838.01	0.64	ppb
Potassium	39-2	4800.01	4925.29	4690.58	4805.29	2.44	ppb
Rhodium	103-1				104		%
Rhodium	103-2				106		%
Scandium	45-1				118		%
Scandium	45-2				111		%
Selenium	82-1	8.60	8.64	8.75	8.66	0.90	ppb
Selenium	77-2	50.95	49.48	50.13	50.19	1.47	ppb
Selenium	78-2	14.91	16.42	13.48	14.94	9.84	ppb
Silicon	28-1	640.65	637.44	639.87	639.32	0.26	ppb
Silver	107-1	29.47	30.18	30.67	30.11	2.00	ppb
Silver	109-1	29.66	30.05	31.14	30.28	2.54	ppb
Sodium	23-2	5121.93	5102.21	4988.09	5070.74	1.42	ppb
Strontium	86-1	176.00	180.32	181.23	179.19	1.56	ppb
Strontium	88-1	179.61	186.22	182.39	182.74	1.82	ppb
Sulfur	34-1	6417.07	6290.82	6040.22	6249.37	3.07	ppb
Terbium	159-1				109		%
Terbium	159-2				113		%
Thallium	203-1	1.49	1.49	1.52	1.50	1.10	ppb
Thallium	205-1	1.47	1.55	1.51	1.51	2.61	ppb
Tin	118-1	10.12	10.23	10.63	10.33	2.57	ppb
Titanium	47-1	1030.57	1033.76	1043.64	1035.99	0.66	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:00:30	DataFile Name :	116SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.34	7.65	7.61	7.53	2.23	ppb
Vanadium	51-2	262.88	265.25	260.21	262.78	0.96	ppb
Yttrium	89-1				151		%
Yttrium	89-2				150		%
Zinc	66-2	1388.13	1406.39	1384.30	1392.94	0.85	ppb
Zirconium	90-1	9.92	10.28	10.22	10.14	1.90	ppb
Zirconium	91-1	10.16	10.27	10.05	10.16	1.07	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:03:34	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18173.67	17941.83	17839.92	17985.14	0.95	ppb
Antimony	121-1	1.32	1.40	1.34	1.35	3.24	ppb
Arsenic	75-2	18.59	19.09	18.76	18.82	1.36	ppb
Barium	135-1	267.75	268.79	263.83	266.79	0.98	ppb
Barium	137-1	272.24	272.38	267.23	270.62	1.08	ppb
Beryllium	9-1	1.70	1.56	1.58	1.61	4.72	ppb
Bismuth	209-1				110		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.88	2.43	2.27	2.19	12.87	ppb
Cadmium	106-1	1.77	1.68	-0.38	1.02	118.59	ppb
Cadmium	111-1	1.82	1.86	1.65	1.78	6.26	ppb
Calcium	43-1	6748.87	6778.72	6480.22	6669.27	2.47	ppb
Calcium	44-1	6416.92	6574.07	6133.25	6374.75	3.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.18	38.91	38.32	38.80	1.13	ppb
Cobalt	59-2	14.71	14.43	14.22	14.46	1.71	ppb
Copper	63-2	86.97	85.23	84.41	85.54	1.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				111		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	27555.97	27289.59	27357.52	27401.02	0.51	ppb
Iron	57-2	27585.66	27411.05	26847.52	27281.41	1.41	ppb
Iron	54-2	27997.35	27762.97	27425.30	27728.54	1.04	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:03:34	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	179.00	185.55	185.34	183.30	2.03	ppb
Lead	207-1	167.77	173.19	174.90	171.96	2.16	ppb
Lead	208-1	185.88	190.51	188.65	188.34	1.24	ppb
Lithium	6-1				110		%
Magnesium	24-2	3040.24	2961.07	2960.62	2987.31	1.53	ppb
Manganese	55-2	4239.02	4277.44	4282.40	4266.28	0.56	ppb
Molybdenum	94-1	7.26	7.24	7.60	7.36	2.71	ppb
Molybdenum	95-1	3.15	3.21	3.26	3.21	1.67	ppb
Molybdenum	96-1	3.69	3.73	3.89	3.77	2.82	ppb
Molybdenum	97-1	3.12	3.15	3.27	3.18	2.38	ppb
Molybdenum	98-1	2.99	3.05	3.14	3.06	2.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.57	23.64	23.70	23.64	0.27	ppb
Phosphorus	31-2	1567.22	1538.68	1548.72	1551.54	0.93	ppb
Potassium	39-2	1036.40	1008.81	1002.76	1015.99	1.76	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	82-1	2.01	2.87	2.63	2.50	17.65	ppb
Selenium	77-2	12.26	15.60	11.14	13.00	17.84	ppb
Selenium	78-2	3.89	2.84	3.36	3.36	15.58	ppb
Silicon	28-1	133.26	138.41	132.73	134.80	2.33	ppb
Silver	107-1	5.97	6.06	5.93	5.98	1.10	ppb
Silver	109-1	6.15	6.13	5.98	6.09	1.46	ppb
Sodium	23-2	1090.15	1069.65	1066.61	1075.47	1.19	ppb
Strontium	86-1	44.57	44.19	46.22	45.00	2.40	ppb
Strontium	88-1	44.38	44.35	45.76	44.83	1.80	ppb
Sulfur	34-1	-702.77	-618.82	-1009.00	-776.86		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	0.26	0.27	0.29	0.27	6.82	ppb
Thallium	205-1	0.27	0.29	0.27	0.28	2.81	ppb
Tin	118-1	1.94	2.00	1.92	1.95	2.13	ppb
Titanium	47-1	212.46	213.64	202.90	209.67	2.81	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:03:34	DataFile Name :	117SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.38	1.45	1.44	1.42	2.37	ppb
Vanadium	51-2	52.91	52.38	52.20	52.50	0.70	ppb
Yttrium	89-1				116		%
Yttrium	89-2				117		%
Zinc	66-2	288.62	293.83	286.27	289.57	1.33	ppb
Zirconium	90-1	2.47	2.48	2.55	2.50	1.82	ppb
Zirconium	91-1	2.47	2.50	2.43	2.47	1.28	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:06:44	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	112249.35	112567.51	111968.83	112261.89	0.27	ppb
Antimony	121-1	2.60	2.66	2.65	2.64	1.15	ppb
Arsenic	75-2	66.90	66.43	66.58	66.64	0.36	ppb
Barium	135-1	599.89	599.98	604.85	601.57	0.47	ppb
Barium	137-1	650.76	657.27	645.23	651.08	0.93	ppb
Beryllium	9-1	6.01	5.94	5.82	5.92	1.61	ppb
Bismuth	209-1				102		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	17.10	17.45	16.94	17.16	1.53	ppb
Cadmium	106-1	19.90	21.21	21.43	20.84	3.97	ppb
Cadmium	111-1	13.02	12.91	13.20	13.04	1.13	ppb
Calcium	43-1	74903.87	75883.03	72638.31	74475.07	2.23	ppb
Calcium	44-1	74435.63	74608.13	73456.42	74166.73	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	224.75	227.14	226.68	226.19	0.56	ppb
Cobalt	59-2	139.80	139.12	139.16	139.36	0.27	ppb
Copper	63-2	1501.09	1488.79	1502.13	1497.33	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				109		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	56-2	209799.48	211455.40	214785.04	212013.30	1.20	ppb
Iron	57-2	210517.57	210646.05	210667.86	210610.50	0.04	ppb
Iron	54-2	216364.69	212873.80	210844.15	213360.88	1.31	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:06:44	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1023.06	1029.92	1030.94	1027.97	0.42	ppb
Lead	207-1	1000.65	961.98	993.20	985.27	2.08	ppb
Lead	208-1	998.19	992.00	997.06	995.75	0.33	ppb
Lithium	6-1				106		%
Magnesium	24-2	45065.77	45383.88	44851.37	45100.34	0.59	ppb
Manganese	55-2	3054.65	3059.85	3103.70	3072.73	0.88	ppb
Molybdenum	94-1	83.60	86.21	83.88	84.56	1.69	ppb
Molybdenum	95-1	5.49	5.76	5.67	5.64	2.41	ppb
Molybdenum	96-1	15.45	15.81	15.75	15.67	1.24	ppb
Molybdenum	97-1	5.80	6.04	5.80	5.88	2.39	ppb
Molybdenum	98-1	5.46	5.75	5.61	5.61	2.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	202.04	200.83	203.06	201.98	0.55	ppb
Phosphorus	31-2	5603.03	5601.05	5641.79	5615.29	0.41	ppb
Potassium	39-2	5650.47	5682.55	5741.69	5691.57	0.81	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				114		%
Scandium	45-2				111		%
Selenium	82-1	4.97	4.62	5.28	4.96	6.58	ppb
Selenium	77-2	39.69	37.44	40.62	39.25	4.17	ppb
Selenium	78-2	8.79	9.44	8.27	8.83	6.63	ppb
Silicon	28-1	689.47	688.90	670.63	683.00	1.57	ppb
Silver	107-1	44.45	45.06	45.25	44.92	0.93	ppb
Silver	109-1	43.77	43.82	44.77	44.12	1.27	ppb
Sodium	23-2	4028.10	4076.11	4032.19	4045.47	0.66	ppb
Strontium	86-1	334.68	340.90	334.68	336.75	1.07	ppb
Strontium	88-1	346.13	345.55	339.51	343.73	1.07	ppb
Sulfur	34-1	3777.87	3710.61	3362.75	3617.08	6.16	ppb
Terbium	159-1				105		%
Terbium	159-2				107		%
Thallium	203-1	1.03	1.06	1.13	1.07	4.53	ppb
Thallium	205-1	1.08	1.08	1.05	1.07	1.49	ppb
Tin	118-1	11.52	11.72	11.54	11.59	0.94	ppb
Titanium	47-1	2642.96	2626.19	2553.15	2607.43	1.83	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:06:44	DataFile Name :	118SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	7.61	7.48	7.68	7.59	1.33	ppb
Vanadium	51-2	374.88	374.35	374.84	374.69	0.08	ppb
Yttrium	89-1				128		%
Yttrium	89-2				128		%
Zinc	66-2	1562.31	1547.97	1568.03	1559.44	0.66	ppb
Zirconium	90-1	41.20	42.57	41.83	41.87	1.63	ppb
Zirconium	91-1	41.74	42.58	42.07	42.13	1.01	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:09:47	DataFile Name :	119SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23686.18	23313.07	23518.53	23505.93	0.80	ppb
Antimony	121-1	0.55	0.55	0.56	0.55	1.39	ppb
Arsenic	75-2	15.10	15.45	15.70	15.41	1.95	ppb
Barium	135-1	120.64	123.82	123.15	122.54	1.37	ppb
Barium	137-1	122.94	124.80	124.82	124.19	0.87	ppb
Beryllium	9-1	1.12	1.13	1.17	1.14	2.12	ppb
Bismuth	209-1				107		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	3.79	3.13	4.56	3.83	18.68	ppb
Cadmium	106-1	2.90	3.17	2.33	2.80	15.42	ppb
Cadmium	111-1	2.58	2.73	2.55	2.62	3.77	ppb
Calcium	43-1	16352.41	15857.89	16306.02	16172.11	1.69	ppb
Calcium	44-1	15521.34	15040.99	15624.68	15395.67	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.91	47.09	48.10	47.70	1.13	ppb
Cobalt	59-2	30.14	29.50	30.05	29.90	1.17	ppb
Copper	63-2	319.63	314.40	319.84	317.96	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				106		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	45301.25	45397.67	45393.44	45364.12	0.12	ppb
Iron	57-2	45040.81	44741.70	45937.98	45240.16	1.38	ppb
Iron	54-2	45320.91	45012.46	45636.31	45323.23	0.69	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:09:47	DataFile Name :	119SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	179.66	184.50	179.29	181.15	1.60	ppb
Lead	207-1	168.56	173.52	170.31	170.79	1.47	ppb
Lead	208-1	184.55	177.86	184.95	182.46	2.18	ppb
Lithium	6-1				110		%
Magnesium	24-2	9502.90	9543.88	9411.12	9485.96	0.72	ppb
Manganese	55-2	660.14	650.75	665.61	658.83	1.14	ppb
Molybdenum	94-1	19.14	19.18	19.70	19.34	1.63	ppb
Molybdenum	95-1	1.29	1.33	1.35	1.32	2.20	ppb
Molybdenum	96-1	3.64	3.60	3.68	3.64	1.11	ppb
Molybdenum	97-1	1.38	1.37	1.44	1.39	2.75	ppb
Molybdenum	98-1	1.27	1.31	1.31	1.30	2.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	43.41	44.15	43.38	43.65	1.00	ppb
Phosphorus	31-2	1147.50	1141.26	1169.05	1152.60	1.27	ppb
Potassium	39-2	1258.26	1258.13	1264.61	1260.33	0.29	ppb
Rhodium	103-1				104		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	82-1	0.34	1.78	1.42	1.18	63.83	ppb
Selenium	77-2	6.98	8.86	10.93	8.92	22.10	ppb
Selenium	78-2	3.07	3.51	2.16	2.91	23.69	ppb
Silicon	28-1	141.22	142.68	144.77	142.89	1.25	ppb
Silver	107-1	8.95	9.28	9.48	9.24	2.91	ppb
Silver	109-1	8.98	9.22	9.36	9.19	2.11	ppb
Sodium	23-2	896.77	884.87	902.88	894.84	1.02	ppb
Strontium	86-1	77.13	78.20	78.75	78.03	1.05	ppb
Strontium	88-1	79.85	78.69	79.69	79.41	0.79	ppb
Sulfur	34-1	-978.26	-1027.31	-1019.21	-1008.26		ppb
Terbium	159-1				105		%
Terbium	159-2				108		%
Thallium	203-1	0.21	0.20	0.22	0.21	6.22	ppb
Thallium	205-1	0.23	0.22	0.22	0.22	2.59	ppb
Tin	118-1	2.21	2.28	2.29	2.26	1.88	ppb
Titanium	47-1	551.74	544.36	556.36	550.82	1.10	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:09:47	DataFile Name :	119SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.42	1.47	1.44	1.44	1.47	ppb
Vanadium	51-2	77.99	77.55	78.58	78.04	0.66	ppb
Yttrium	89-1				112		%
Yttrium	89-2				112		%
Zinc	66-2	341.74	334.29	342.73	339.59	1.36	ppb
Zirconium	90-1	9.57	9.48	9.75	9.60	1.41	ppb
Zirconium	91-1	9.40	9.61	9.80	9.60	2.07	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:12:56	DataFile Name :	120SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	139877.95	144482.86	130106.26	138155.69	5.31	ppb
Antimony	121-1	2.09	2.11	2.09	2.10	0.69	ppb
Arsenic	75-2	104.68	105.33	97.19	102.40	4.41	ppb
Barium	135-1	582.68	603.42	593.75	593.28	1.75	ppb
Barium	137-1	630.74	662.03	640.29	644.35	2.49	ppb
Beryllium	9-1	5.18	4.99	5.44	5.21	4.32	ppb
Bismuth	209-1				103		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	34.58	30.81	33.58	32.99	5.92	ppb
Cadmium	106-1	36.34	36.94	34.52	35.93	3.50	ppb
Cadmium	111-1	28.96	29.76	29.09	29.27	1.47	ppb
Calcium	43-1	76185.88	77311.48	81105.06	78200.80	3.30	ppb
Calcium	44-1	77522.60	78696.19	78128.49	78115.76	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	273.76	275.19	253.58	267.51	4.52	ppb
Cobalt	59-2	177.84	181.84	165.13	174.94	4.99	ppb
Copper	63-2	2855.06	2921.90	2679.84	2818.93	4.43	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				106		%
Holmium	165-2				114		%
Indium	115-1				102		%
Indium	115-2				107		%
Iron	56-2	264475.54	268368.67	247075.95	259973.39	4.36	ppb
Iron	57-2	262775.44	262805.90	238869.05	254816.80	5.42	ppb
Iron	54-2	263919.47	268911.33	245816.24	259549.01	4.68	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:12:56	DataFile Name :	120SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1325.15	1328.23	1293.32	1315.57	1.47	ppb
Lead	207-1	1256.41	1280.94	1258.84	1265.40	1.07	ppb
Lead	208-1	1278.21	1312.31	1272.63	1287.72	1.67	ppb
Lithium	6-1				109		%
Magnesium	24-2	69036.38	70813.61	63612.38	67820.79	5.53	ppb
Manganese	55-2	3189.50	3152.69	2952.50	3098.23	4.12	ppb
Molybdenum	94-1	74.30	75.54	73.28	74.37	1.52	ppb
Molybdenum	95-1	7.02	7.30	6.87	7.06	3.05	ppb
Molybdenum	96-1	16.23	16.54	15.78	16.18	2.34	ppb
Molybdenum	97-1	7.36	7.51	7.05	7.31	3.15	ppb
Molybdenum	98-1	7.09	7.16	6.83	7.03	2.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	279.97	285.87	262.86	276.23	4.33	ppb
Phosphorus	31-2	5235.81	5198.57	4749.63	5061.34	5.35	ppb
Potassium	39-2	6021.04	5961.03	5545.86	5842.64	4.43	ppb
Rhodium	103-1				100		%
Rhodium	103-2				104		%
Scandium	45-1				117		%
Scandium	45-2				115		%
Selenium	82-1	6.92	7.98	7.29	7.40	7.27	ppb
Selenium	77-2	42.37	35.32	37.39	38.36	9.45	ppb
Selenium	78-2	10.60	12.33	9.71	10.88	12.25	ppb
Silicon	28-1	424.72	434.21	450.38	436.44	2.97	ppb
Silver	107-1	55.29	56.60	55.84	55.91	1.18	ppb
Silver	109-1	56.02	56.22	55.98	56.07	0.23	ppb
Sodium	23-2	6566.89	6572.21	6068.01	6402.37	4.52	ppb
Strontium	86-1	322.05	328.76	318.90	323.24	1.56	ppb
Strontium	88-1	329.69	337.91	325.97	331.19	1.84	ppb
Sulfur	34-1	2324.03	2460.94	2549.22	2444.73	4.64	ppb
Terbium	159-1				106		%
Terbium	159-2				111		%
Thallium	203-1	1.02	1.05	1.06	1.04	1.73	ppb
Thallium	205-1	1.06	1.04	1.09	1.06	2.51	ppb
Tin	118-1	13.85	14.24	14.32	14.14	1.80	ppb
Titanium	47-1	2680.16	2689.42	2687.89	2685.82	0.18	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:12:56	DataFile Name :	120SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.45	8.57	8.60	8.54	0.90	ppb
Vanadium	51-2	524.49	526.95	486.18	512.54	4.46	ppb
Yttrium	89-1				127		%
Yttrium	89-2				130		%
Zinc	66-2	2652.24	2700.57	2445.12	2599.31	5.22	ppb
Zirconium	90-1	35.84	36.48	35.44	35.92	1.46	ppb
Zirconium	91-1	35.44	36.37	35.50	35.77	1.45	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:15:58	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29642.18	29902.03	29640.98	29728.40	0.51	ppb
Antimony	121-1	0.40	0.46	0.46	0.44	8.01	ppb
Arsenic	75-2	23.19	23.07	22.13	22.80	2.55	ppb
Barium	135-1	118.25	121.97	118.49	119.57	1.74	ppb
Barium	137-1	118.94	123.12	120.02	120.69	1.80	ppb
Beryllium	9-1	1.06	1.03	1.11	1.07	4.00	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	6.10	6.20	7.06	6.45	8.21	ppb
Cadmium	106-1	5.72	5.87	5.04	5.54	7.94	ppb
Cadmium	111-1	5.78	5.89	5.77	5.82	1.17	ppb
Calcium	43-1	16984.91	16841.05	17438.58	17088.18	1.83	ppb
Calcium	44-1	15984.60	16106.98	16603.69	16231.76	2.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58.24	57.63	57.66	57.84	0.59	ppb
Cobalt	59-2	38.72	38.68	38.80	38.74	0.15	ppb
Copper	63-2	633.08	639.29	621.64	631.34	1.42	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				108		%
Holmium	165-2				110		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	56127.36	56041.77	55462.09	55877.07	0.65	ppb
Iron	57-2	57355.16	56572.94	55832.33	56586.81	1.35	ppb
Iron	54-2	56165.06	57219.49	55867.11	56417.22	1.26	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:15:58	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	227.02	230.31	227.55	228.29	0.78	ppb
Lead	207-1	214.57	218.31	212.94	215.27	1.28	ppb
Lead	208-1	234.41	237.79	234.46	235.55	0.82	ppb
Lithium	6-1				111		%
Magnesium	24-2	14485.97	14628.40	14416.88	14510.42	0.74	ppb
Manganese	55-2	681.05	683.28	669.74	678.02	1.07	ppb
Molybdenum	94-1	15.96	16.50	16.27	16.25	1.66	ppb
Molybdenum	95-1	1.60	1.51	1.50	1.54	3.56	ppb
Molybdenum	96-1	3.54	3.48	3.59	3.54	1.60	ppb
Molybdenum	97-1	1.66	1.65	1.59	1.63	2.41	ppb
Molybdenum	98-1	1.46	1.56	1.63	1.55	5.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	61.10	61.96	61.09	61.38	0.82	ppb
Phosphorus	31-2	1062.97	1080.67	1072.74	1072.13	0.83	ppb
Potassium	39-2	1332.43	1342.71	1330.32	1335.15	0.50	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				113		%
Scandium	45-2				106		%
Selenium	82-1	2.33	1.66	1.98	1.99	16.63	ppb
Selenium	77-2	6.83	9.35	10.48	8.89	20.99	ppb
Selenium	78-2	4.36	2.34	3.76	3.49	29.85	ppb
Silicon	28-1	90.07	92.39	92.28	91.58	1.43	ppb
Silver	107-1	11.06	11.55	11.55	11.38	2.48	ppb
Silver	109-1	11.11	11.53	11.41	11.35	1.90	ppb
Sodium	23-2	1451.84	1444.38	1451.40	1449.20	0.29	ppb
Strontium	86-1	72.60	72.56	71.83	72.33	0.60	ppb
Strontium	88-1	74.29	73.11	73.77	73.72	0.80	ppb
Sulfur	34-1	-1224.21	-1223.60	-1139.36	-1195.73		ppb
Terbium	159-1				107		%
Terbium	159-2				108		%
Thallium	203-1	0.20	0.20	0.17	0.19	10.02	ppb
Thallium	205-1	0.21	0.20	0.21	0.21	2.95	ppb
Tin	118-1	2.53	2.67	2.67	2.63	3.03	ppb
Titanium	47-1	552.69	567.86	578.24	566.26	2.27	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:15:58	DataFile Name :	121SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.65	1.60	1.61	2.68	ppb
Vanadium	51-2	111.63	110.48	110.06	110.73	0.73	ppb
Yttrium	89-1				113		%
Yttrium	89-2				114		%
Zinc	66-2	593.28	580.31	580.85	584.81	1.25	ppb
Zirconium	90-1	7.90	8.01	7.93	7.95	0.73	ppb
Zirconium	91-1	7.81	7.88	8.06	7.92	1.66	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:19:06	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22364.10	22788.54	22914.13	22688.92	1.27	ppb
Antimony	121-1	14.17	14.22	14.25	14.22	0.28	ppb
Arsenic	75-2	90.00	91.80	91.08	90.96	0.99	ppb
Barium	135-1	716.68	716.60	726.35	719.87	0.78	ppb
Barium	137-1	774.69	776.11	792.19	781.00	1.24	ppb
Beryllium	9-1	2.61	2.78	2.98	2.79	6.68	ppb
Bismuth	209-1				107		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	4.12	5.14	4.24	4.50	12.40	ppb
Cadmium	106-1	4.89	4.63	4.96	4.83	3.57	ppb
Cadmium	111-1	3.89	3.81	3.75	3.82	1.75	ppb
Calcium	43-1	43078.28	42947.76	45063.61	43696.55	2.71	ppb
Calcium	44-1	41381.77	41040.76	41648.84	41357.12	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	82.34	84.26	83.59	83.40	1.17	ppb
Cobalt	59-2	14.90	14.94	15.00	14.94	0.34	ppb
Copper	63-2	327.56	327.37	329.64	328.19	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				108		%
Iron	56-2	79455.08	78044.61	78685.38	78728.36	0.90	ppb
Iron	57-2	77200.43	78121.84	78176.75	77833.01	0.70	ppb
Iron	54-2	76989.84	78619.29	77746.76	77785.30	1.05	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:19:06	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1267.66	1273.70	1332.30	1291.22	2.77	ppb
Lead	207-1	1238.81	1249.85	1260.91	1249.86	0.88	ppb
Lead	208-1	1250.69	1270.94	1287.65	1269.76	1.46	ppb
Lithium	6-1				110		%
Magnesium	24-2	6193.60	6394.52	6340.94	6309.69	1.65	ppb
Manganese	55-2	8864.66	8735.04	8866.72	8822.14	0.86	ppb
Molybdenum	94-1	16.54	16.19	16.62	16.45	1.38	ppb
Molybdenum	95-1	7.15	6.93	6.97	7.02	1.70	ppb
Molybdenum	96-1	8.61	8.11	8.58	8.43	3.30	ppb
Molybdenum	97-1	6.94	6.63	6.98	6.85	2.78	ppb
Molybdenum	98-1	6.89	6.59	6.95	6.81	2.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	55.42	54.80	54.41	54.88	0.92	ppb
Phosphorus	31-2	5406.26	5355.76	5508.78	5423.60	1.44	ppb
Potassium	39-2	1995.65	2010.40	2020.41	2008.82	0.62	ppb
Rhodium	103-1				104		%
Rhodium	103-2				108		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	82-1	15.94	15.42	15.80	15.72	1.71	ppb
Selenium	77-2	33.77	29.59	33.72	32.36	7.42	ppb
Selenium	78-2	18.49	16.47	19.47	18.14	8.44	ppb
Silicon	28-1	377.12	380.67	380.89	379.56	0.56	ppb
Silver	107-1	6.68	6.73	6.82	6.75	1.03	ppb
Silver	109-1	6.56	6.77	6.90	6.75	2.50	ppb
Sodium	23-2	12016.64	12063.91	12148.51	12076.36	0.55	ppb
Strontium	86-1	261.45	252.66	262.94	259.02	2.15	ppb
Strontium	88-1	266.18	261.42	265.10	264.23	0.94	ppb
Sulfur	34-1	9289.00	9671.80	9593.76	9518.19	2.13	ppb
Terbium	159-1				106		%
Terbium	159-2				110		%
Thallium	203-1	0.63	0.62	0.62	0.62	0.89	ppb
Thallium	205-1	0.65	0.64	0.66	0.65	2.08	ppb
Tin	118-1	14.89	14.75	14.94	14.86	0.65	ppb
Titanium	47-1	972.37	993.59	1001.35	989.10	1.52	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:19:06	DataFile Name :	122SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.10	4.12	4.25	4.16	1.88	ppb
Vanadium	51-2	219.70	219.78	219.54	219.67	0.06	ppb
Yttrium	89-1				122		%
Yttrium	89-2				122		%
Zinc	66-2	288.42	289.41	290.54	289.46	0.37	ppb
Zirconium	90-1	5.60	5.46	5.69	5.58	2.06	ppb
Zirconium	91-1	5.66	5.34	5.66	5.55	3.34	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:22:14	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4521.31	4570.35	4570.51	4554.06	0.62	ppb
Antimony	121-1	2.87	2.86	2.86	2.87	0.25	ppb
Arsenic	75-2	19.42	18.78	18.69	18.96	2.12	ppb
Barium	135-1	146.45	144.69	143.55	144.90	1.01	ppb
Barium	137-1	146.71	145.42	147.65	146.59	0.77	ppb
Beryllium	9-1	0.47	0.56	0.46	0.50	10.48	ppb
Bismuth	209-1				109		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.57	0.76	0.82	0.72	17.85	ppb
Cadmium	106-1	0.22	0.02	-0.81	-0.19		ppb
Cadmium	111-1	0.75	0.60	0.61	0.65	12.84	ppb
Calcium	43-1	8557.63	8636.36	8748.79	8647.59	1.11	ppb
Calcium	44-1	8242.30	8305.03	8360.93	8302.76	0.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16.15	16.28	16.17	16.20	0.45	ppb
Cobalt	59-2	3.05	2.95	2.96	2.99	1.81	ppb
Copper	63-2	66.14	66.16	65.55	65.95	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				107		%
Holmium	165-2				110		%
Indium	115-1				107		%
Indium	115-2				107		%
Iron	56-2	15877.58	15551.98	15476.21	15635.26	1.36	ppb
Iron	57-2	16194.73	16148.12	15923.79	16088.88	0.90	ppb
Iron	54-2	15576.16	15768.00	15637.71	15660.62	0.63	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:22:14	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	231.37	225.91	227.20	228.16	1.25	ppb
Lead	207-1	217.33	213.08	216.11	215.51	1.02	ppb
Lead	208-1	238.89	233.23	235.28	235.80	1.22	ppb
Lithium	6-1				110		%
Magnesium	24-2	1287.38	1282.54	1290.94	1286.95	0.33	ppb
Manganese	55-2	1757.38	1745.10	1749.60	1750.70	0.35	ppb
Molybdenum	94-1	3.43	3.50	3.59	3.51	2.33	ppb
Molybdenum	95-1	1.55	1.51	1.47	1.51	2.74	ppb
Molybdenum	96-1	1.84	1.75	1.84	1.81	3.04	ppb
Molybdenum	97-1	1.41	1.50	1.44	1.45	3.29	ppb
Molybdenum	98-1	1.48	1.39	1.44	1.43	3.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.90	10.90	11.00	10.93	0.55	ppb
Phosphorus	31-2	989.15	1024.17	1091.85	1035.06	5.04	ppb
Potassium	39-2	383.67	381.87	376.94	380.82	0.91	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	82-1	4.05	3.30	3.38	3.58	11.53	ppb
Selenium	77-2	6.37	4.30	4.17	4.95	24.93	ppb
Selenium	78-2	0.18	5.49	4.34	3.34	83.69	ppb
Silicon	28-1	72.34	77.16	73.77	74.42	3.33	ppb
Silver	107-1	1.40	1.40	1.37	1.39	1.28	ppb
Silver	109-1	1.36	1.36	1.39	1.37	1.08	ppb
Sodium	23-2	2514.96	2522.41	2515.02	2517.46	0.17	ppb
Strontium	86-1	56.04	56.33	56.01	56.13	0.32	ppb
Strontium	88-1	56.37	56.26	56.34	56.32	0.10	ppb
Sulfur	34-1	-44.43	110.81	125.69	64.02	147.16	ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	0.12	0.11	0.12	0.12	3.65	ppb
Thallium	205-1	0.13	0.13	0.13	0.13	1.65	ppb
Tin	118-1	3.00	2.87	2.90	2.92	2.16	ppb
Titanium	47-1	196.57	195.88	196.78	196.41	0.24	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:22:14	DataFile Name :	123SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.80	0.81	0.80	0.81	0.88	ppb
Vanadium	51-2	43.20	43.06	42.96	43.07	0.28	ppb
Yttrium	89-1				111		%
Yttrium	89-2				111		%
Zinc	66-2	57.96	58.34	58.01	58.10	0.35	ppb
Zirconium	90-1	1.21	1.16	1.20	1.19	2.36	ppb
Zirconium	91-1	1.19	1.20	1.17	1.18	1.48	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:34:04	DataFile Name :	124CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51589.29	52421.09	51423.82	51811.40	1.03	ppb
Antimony	121-1	515.59	497.35	511.28	508.07	1.88	ppb
Arsenic	75-2	483.12	486.54	478.14	482.60	0.87	ppb
Barium	135-1	2507.62	2422.96	2399.54	2443.37	2.33	ppb
Barium	137-1	2478.57	2421.03	2418.87	2439.49	1.39	ppb
Beryllium	9-1	521.63	540.90	539.76	534.10	2.02	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	505.21	500.77	491.91	499.29	1.36	ppb
Cadmium	106-1	495.87	488.01	487.86	490.58	0.93	ppb
Cadmium	111-1	484.62	487.37	482.88	484.96	0.47	ppb
Calcium	43-1	254002.62	254353.44	253404.10	253920.05	0.19	ppb
Calcium	44-1	249917.01	247344.90	246328.40	247863.44	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	486.22	489.45	484.47	486.71	0.52	ppb
Cobalt	59-2	477.77	480.45	481.77	479.99	0.42	ppb
Copper	63-2	4991.21	4971.29	4967.58	4976.69	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				102		%
Holmium	165-2				105		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	128886.34	131204.46	125344.68	128478.49	2.30	ppb
Iron	57-2	125840.77	127086.18	127418.11	126781.69	0.66	ppb
Iron	54-2	125245.39	126329.48	125199.78	125591.55	0.51	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:34:04	DataFile Name :	124CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2465.40	2502.58	2459.63	2475.87	0.94	ppb
Lead	207-1	2435.53	2436.08	2431.18	2434.26	0.11	ppb
Lead	208-1	2456.57	2473.54	2479.62	2469.91	0.48	ppb
Lithium	6-1				106		%
Magnesium	24-2	243150.65	247841.35	247091.60	246027.87	1.02	ppb
Manganese	55-2	4873.83	4807.54	4793.80	4825.06	0.89	ppb
Molybdenum	94-1	5613.87	5446.34	5370.48	5476.90	2.27	ppb
Molybdenum	95-1	5610.14	5553.17	5425.48	5529.60	1.71	ppb
Molybdenum	96-1	5570.56	5553.44	5364.51	5496.17	2.08	ppb
Molybdenum	97-1	5728.25	5504.01	5403.32	5545.20	3.00	ppb
Molybdenum	98-1	5615.09	5422.98	5420.66	5486.24	2.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	464.53	469.72	468.03	467.43	0.57	ppb
Phosphorus	31-2	9820.51	9765.92	9565.95	9717.46	1.38	ppb
Potassium	39-2	124053.15	123916.24	123041.70	123670.36	0.44	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				107		%
Scandium	45-2				98		%
Selenium	82-1	498.22	501.25	485.29	494.92	1.71	ppb
Selenium	77-2	477.75	479.62	482.18	479.85	0.46	ppb
Selenium	78-2	476.57	473.21	495.47	481.75	2.49	ppb
Silicon	28-1	509.36	500.55	506.93	505.61	0.90	ppb
Silver	107-1	504.23	497.47	496.78	499.49	0.82	ppb
Silver	109-1	501.04	501.98	497.69	500.23	0.45	ppb
Sodium	23-2	247890.65	253976.23	249954.79	250607.22	1.23	ppb
Strontium	86-1	12763.34	12405.34	12376.10	12514.93	1.72	ppb
Strontium	88-1	12582.77	12534.62	12294.01	12470.47	1.24	ppb
Sulfur	34-1	8817.19	8510.73	8402.50	8576.81	2.51	ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	507.04	508.12	506.53	507.23	0.16	ppb
Thallium	205-1	508.08	509.08	504.44	507.20	0.48	ppb
Tin	118-1	494.78	495.55	498.18	496.17	0.36	ppb
Titanium	47-1	5365.57	5294.32	5196.23	5285.38	1.61	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:34:04	DataFile Name :	124CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	496.83	508.75	499.79	501.79	1.24	ppb
Vanadium	51-2	493.79	496.09	494.02	494.63	0.26	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	4931.82	4863.95	4982.65	4926.14	1.21	ppb
Zirconium	90-1	513.53	513.21	488.05	504.93	2.90	ppb
Zirconium	91-1	500.72	498.98	486.94	495.54	1.51	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:43:40	DataFile Name :	125CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.30	-0.48	-0.41	-0.20		ppb
Antimony	121-1	0.07	0.08	0.10	0.08	16.23	ppb
Arsenic	75-2	-0.02	-0.01	-0.03	-0.02		ppb
Barium	135-1	-0.01	0.00	0.01	0.00	367.65	ppb
Barium	137-1	0.01	-0.01	0.02	0.00	317.38	ppb
Beryllium	9-1	0.01	0.01	0.02	0.02	32.56	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.10	-0.01	0.13	0.01	1466.80	ppb
Cadmium	106-1	-2.90	-3.79	-3.02	-3.24		ppb
Cadmium	111-1	-0.20	-0.28	-0.24	-0.24		ppb
Calcium	43-1	-4.59	-2.66	-4.28	-3.84		ppb
Calcium	44-1	-8.01	-7.81	-7.64	-7.82		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.28	-0.26	-0.28	-0.27		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.00	0.01	0.03	0.01	114.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	0.23	0.01	0.27	0.17	81.92	ppb
Iron	57-2	-1.33	-0.81	-1.69	-1.28		ppb
Iron	54-2	0.61	-1.06	0.23	-0.07		ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:43:40	DataFile Name :	125CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	0.00	0.00	176.21	ppb
Lead	207-1	-0.01	0.01	-0.01	0.00		ppb
Lead	208-1	0.00	0.00	-0.01	0.00		ppb
Lithium	6-1				107		%
Magnesium	24-2	3.47	3.32	3.94	3.58	8.96	ppb
Manganese	55-2	0.04	0.00	0.00	0.01	155.98	ppb
Molybdenum	94-1	0.05	0.07	0.08	0.07	18.01	ppb
Molybdenum	95-1	0.06	0.06	0.05	0.06	6.37	ppb
Molybdenum	96-1	0.07	0.05	0.03	0.05	33.88	ppb
Molybdenum	97-1	0.05	0.04	0.03	0.04	28.17	ppb
Molybdenum	98-1	0.04	0.05	0.06	0.05	19.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.18	-0.21	-0.21	-0.20		ppb
Phosphorus	31-2	-18.47	-20.44	-18.95	-19.29		ppb
Potassium	39-2	-10.89	-11.41	-11.22	-11.17		ppb
Rhodium	103-1				103		%
Rhodium	103-2				106		%
Scandium	45-1				109		%
Scandium	45-2				102		%
Selenium	82-1	0.18	0.70	0.33	0.40	66.87	ppb
Selenium	77-2	-0.13	0.23	-0.13	-0.01		ppb
Selenium	78-2	0.93	1.89	-0.49	0.78	153.49	ppb
Silicon	28-1	-0.61	-0.59	-0.54	-0.58		ppb
Silver	107-1	0.01	0.01	0.02	0.01	28.31	ppb
Silver	109-1	0.01	0.01	0.01	0.01	7.56	ppb
Sodium	23-2	13.45	14.51	14.00	13.98	3.78	ppb
Strontium	86-1	0.12	0.11	0.09	0.11	13.51	ppb
Strontium	88-1	0.13	0.12	0.13	0.13	3.39	ppb
Sulfur	34-1	-930.09	-954.19	-950.21	-944.83		ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.00	0.00	0.00	61.07	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	8.30	ppb
Tin	118-1	0.02	-0.01	-0.01	0.00		ppb
Titanium	47-1	0.06	0.05	0.02	0.05	48.77	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:43:40	DataFile Name :	125CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	12.08	ppb
Vanadium	51-2	0.01	0.01	0.00	0.01	63.68	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	-0.48	-0.66	-0.65	-0.60		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	21.19	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	34.47	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:46:57	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35128.81	34278.62	34232.13	34546.52	1.46	ppb
Antimony	121-1	1.77	1.79	1.92	1.83	4.31	ppb
Arsenic	75-2	25.54	25.55	25.16	25.42	0.89	ppb
Barium	135-1	520.29	527.44	540.73	529.49	1.96	ppb
Barium	137-1	526.40	574.46	543.55	548.14	4.44	ppb
Beryllium	9-1	2.90	3.07	2.99	2.99	2.88	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.24	2.43	2.04	2.24	8.66	ppb
Cadmium	106-1	2.18	1.78	1.02	1.66	35.34	ppb
Cadmium	111-1	1.78	1.85	1.84	1.82	2.16	ppb
Calcium	43-1	22912.15	23558.75	23379.58	23283.49	1.43	ppb
Calcium	44-1	21780.93	22498.96	22111.62	22130.51	1.62	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81.35	81.41	80.29	81.02	0.78	ppb
Cobalt	59-2	4.83	4.76	4.86	4.82	1.00	ppb
Copper	63-2	147.92	144.84	144.75	145.83	1.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				110		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	56-2	22627.76	22686.99	22215.21	22509.99	1.14	ppb
Iron	57-2	23737.14	23247.49	23248.01	23410.88	1.21	ppb
Iron	54-2	23453.87	23089.36	22892.42	23145.22	1.23	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:46:57	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	350.94	360.10	354.25	355.10	1.31	ppb
Lead	207-1	329.87	339.99	334.34	334.73	1.52	ppb
Lead	208-1	365.22	369.00	368.17	367.46	0.54	ppb
Lithium	6-1				113		%
Magnesium	24-2	4001.79	3891.37	3898.31	3930.49	1.57	ppb
Manganese	55-2	5469.29	5389.15	5349.92	5402.79	1.13	ppb
Molybdenum	94-1	8.67	8.74	8.72	8.71	0.41	ppb
Molybdenum	95-1	2.57	2.57	2.55	2.56	0.29	ppb
Molybdenum	96-1	3.25	3.39	3.35	3.33	2.21	ppb
Molybdenum	97-1	2.56	2.42	2.47	2.48	2.84	ppb
Molybdenum	98-1	2.42	2.49	2.41	2.44	1.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	32.54	32.12	32.51	32.39	0.71	ppb
Phosphorus	31-2	1904.17	1767.15	1758.76	1810.03	4.51	ppb
Potassium	39-2	1787.55	1753.55	1748.61	1763.24	1.20	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				111		%
Scandium	45-2				103		%
Selenium	82-1	5.99	7.41	7.59	7.00	12.53	ppb
Selenium	77-2	24.45	28.03	24.05	25.51	8.58	ppb
Selenium	78-2	8.58	8.05	9.50	8.71	8.42	ppb
Silicon	28-1	349.37	357.04	356.90	354.44	1.24	ppb
Silver	107-1	0.88	0.87	0.92	0.89	2.83	ppb
Silver	109-1	0.88	0.88	0.91	0.89	1.78	ppb
Sodium	23-2	7245.58	7019.32	7075.83	7113.58	1.66	ppb
Strontium	86-1	151.51	154.50	154.89	153.63	1.20	ppb
Strontium	88-1	158.86	156.23	158.52	157.87	0.91	ppb
Sulfur	34-1	2324.37	2095.26	1965.84	2128.49	8.53	ppb
Terbium	159-1				103		%
Terbium	159-2				108		%
Thallium	203-1	0.38	0.40	0.40	0.39	1.98	ppb
Thallium	205-1	0.42	0.42	0.41	0.42	1.59	ppb
Tin	118-1	5.45	5.59	5.59	5.54	1.52	ppb
Titanium	47-1	296.61	301.28	297.78	298.56	0.81	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:46:57	DataFile Name :	126SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.18	5.32	5.14	5.21	1.82	ppb
Vanadium	51-2	67.97	67.50	67.52	67.66	0.40	ppb
Yttrium	89-1				115		%
Yttrium	89-2				115		%
Zinc	66-2	163.31	159.69	159.38	160.79	1.36	ppb
Zirconium	90-1	3.43	3.42	3.51	3.45	1.38	ppb
Zirconium	91-1	3.45	3.34	3.47	3.42	2.07	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:50:08	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6926.14	7076.65	6953.59	6985.46	1.15	ppb
Antimony	121-1	0.37	0.38	0.37	0.37	1.91	ppb
Arsenic	75-2	5.16	5.17	5.56	5.30	4.28	ppb
Barium	135-1	102.38	105.67	106.12	104.72	1.95	ppb
Barium	137-1	103.78	106.80	106.79	105.79	1.65	ppb
Beryllium	9-1	0.64	0.52	0.54	0.57	10.74	ppb
Bismuth	209-1				109		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.34	0.55	0.52	0.47	23.86	ppb
Cadmium	106-1	-1.23	-1.42	-1.76	-1.47		ppb
Cadmium	111-1	0.23	0.24	0.16	0.21	22.37	ppb
Calcium	43-1	4563.12	4558.24	4617.19	4579.52	0.71	ppb
Calcium	44-1	4310.82	4348.61	4343.51	4334.31	0.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.59	16.17	15.75	15.84	1.89	ppb
Cobalt	59-2	0.98	0.98	0.95	0.97	1.57	ppb
Copper	63-2	28.85	29.33	29.77	29.32	1.57	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				105		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	4555.61	4498.93	4551.74	4535.43	0.70	ppb
Iron	57-2	4669.21	4603.79	4638.41	4637.14	0.71	ppb
Iron	54-2	4707.06	4691.79	4746.63	4715.16	0.60	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:50:08	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	67.62	69.10	69.35	68.69	1.36	ppb
Lead	207-1	64.54	64.97	65.61	65.04	0.82	ppb
Lead	208-1	65.84	67.20	67.17	66.74	1.16	ppb
Lithium	6-1				115		%
Magnesium	24-2	776.23	787.93	786.30	783.49	0.81	ppb
Manganese	55-2	1062.49	1056.24	1062.10	1060.28	0.33	ppb
Molybdenum	94-1	1.81	1.78	1.71	1.76	3.03	ppb
Molybdenum	95-1	0.55	0.49	0.54	0.53	5.74	ppb
Molybdenum	96-1	0.70	0.68	0.62	0.66	6.27	ppb
Molybdenum	97-1	0.52	0.54	0.47	0.51	7.59	ppb
Molybdenum	98-1	0.51	0.49	0.54	0.51	4.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.18	6.73	6.32	6.41	4.43	ppb
Phosphorus	31-2	337.73	331.63	330.34	333.23	1.19	ppb
Potassium	39-2	333.33	337.27	333.70	334.77	0.65	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				111		%
Scandium	45-2				103		%
Selenium	82-1	1.25	1.48	1.83	1.52	19.26	ppb
Selenium	77-2	5.10	4.35	5.81	5.09	14.38	ppb
Selenium	78-2	1.26	1.48	2.34	1.69	33.68	ppb
Silicon	28-1	69.84	70.11	71.52	70.49	1.28	ppb
Silver	107-1	0.16	0.19	0.18	0.18	8.18	ppb
Silver	109-1	0.19	0.18	0.17	0.18	6.06	ppb
Sodium	23-2	1481.43	1500.72	1491.57	1491.24	0.65	ppb
Strontium	86-1	33.07	32.86	32.55	32.83	0.80	ppb
Strontium	88-1	32.68	32.77	32.71	32.72	0.14	ppb
Sulfur	34-1	-1379.50	-1355.45	-1382.70	-1372.55		ppb
Terbium	159-1				105		%
Terbium	159-2				108		%
Thallium	203-1	0.07	0.07	0.09	0.08	12.19	ppb
Thallium	205-1	0.07	0.07	0.08	0.07	3.92	ppb
Tin	118-1	1.05	1.15	1.18	1.13	6.37	ppb
Titanium	47-1	58.93	60.75	59.89	59.86	1.52	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:50:08	DataFile Name :	127SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.01	1.00	0.97	0.99	2.04	ppb
Vanadium	51-2	13.17	13.47	13.48	13.38	1.31	ppb
Yttrium	89-1				108		%
Yttrium	89-2				108		%
Zinc	66-2	31.55	32.27	33.21	32.34	2.57	ppb
Zirconium	90-1	0.70	0.70	0.74	0.71	3.56	ppb
Zirconium	91-1	0.71	0.74	0.73	0.72	2.06	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUP	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:53:21	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	33306.45	34135.52	33093.80	33511.93	1.64	ppb
Antimony	121-1	1.63	1.66	1.76	1.69	4.04	ppb
Arsenic	75-2	26.40	25.78	26.64	26.27	1.68	ppb
Barium	135-1	512.15	514.95	522.53	516.54	1.04	ppb
Barium	137-1	538.81	518.74	557.27	538.27	3.58	ppb
Beryllium	9-1	2.88	2.87	2.91	2.89	0.68	ppb
Bismuth	209-1				107		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.01	1.60	1.80	1.80	11.45	ppb
Cadmium	106-1	1.45	1.18	1.24	1.29	10.97	ppb
Cadmium	111-1	1.84	1.81	1.73	1.79	3.19	ppb
Calcium	43-1	22394.03	22873.38	22861.69	22709.70	1.20	ppb
Calcium	44-1	21214.82	21726.55	21546.54	21495.97	1.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	78.86	78.38	78.66	78.63	0.31	ppb
Cobalt	59-2	4.73	4.74	4.83	4.77	1.10	ppb
Copper	63-2	134.23	136.48	134.77	135.16	0.87	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				111		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	21888.76	22271.88	22179.16	22113.27	0.90	ppb
Iron	57-2	22876.72	23005.20	22845.37	22909.10	0.37	ppb
Iron	54-2	22830.10	22753.52	22473.45	22685.69	0.83	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUP	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:53:21	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	350.37	352.79	354.52	352.56	0.59	ppb
Lead	207-1	328.17	334.52	333.76	332.15	1.04	ppb
Lead	208-1	361.38	362.81	366.24	363.48	0.69	ppb
Lithium	6-1				114		%
Magnesium	24-2	3815.96	3816.04	3749.65	3793.88	1.01	ppb
Manganese	55-2	5237.79	5194.67	5246.63	5226.36	0.53	ppb
Molybdenum	94-1	8.53	8.51	8.21	8.41	2.09	ppb
Molybdenum	95-1	2.62	2.52	2.57	2.57	1.96	ppb
Molybdenum	96-1	3.20	3.24	3.13	3.19	1.69	ppb
Molybdenum	97-1	2.54	2.45	2.43	2.47	2.35	ppb
Molybdenum	98-1	2.53	2.41	2.38	2.44	3.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.22	28.97	28.32	28.50	1.44	ppb
Phosphorus	31-2	1795.27	1766.55	1763.95	1775.26	0.98	ppb
Potassium	39-2	1698.20	1691.96	1684.19	1691.45	0.42	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				112		%
Scandium	45-2				105		%
Selenium	82-1	6.42	7.19	6.14	6.58	8.25	ppb
Selenium	77-2	22.51	24.17	24.19	23.63	4.09	ppb
Selenium	78-2	7.21	6.86	11.65	8.57	31.17	ppb
Silicon	28-1	338.14	355.81	351.55	348.50	2.65	ppb
Silver	107-1	0.86	0.88	0.90	0.88	2.67	ppb
Silver	109-1	0.87	0.88	0.90	0.88	1.39	ppb
Sodium	23-2	6854.91	6969.90	6834.04	6886.28	1.06	ppb
Strontium	86-1	151.60	154.51	153.50	153.21	0.96	ppb
Strontium	88-1	154.12	157.86	155.49	155.82	1.21	ppb
Sulfur	34-1	1702.87	1655.46	1499.63	1619.32	6.57	ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	0.40	0.41	0.38	0.40	4.03	ppb
Thallium	205-1	0.40	0.40	0.39	0.40	0.94	ppb
Tin	118-1	1.96	1.94	1.95	1.95	0.72	ppb
Titanium	47-1	290.53	300.67	292.50	294.57	1.83	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUP	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:53:21	DataFile Name :	128SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.02	5.18	5.08	5.09	1.61	ppb
Vanadium	51-2	66.42	66.58	66.50	66.50	0.12	ppb
Yttrium	89-1				116		%
Yttrium	89-2				116		%
Zinc	66-2	151.45	149.32	149.51	150.09	0.79	ppb
Zirconium	90-1	3.39	3.39	3.38	3.38	0.24	ppb
Zirconium	91-1	3.29	3.34	3.28	3.30	0.94	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:56:33	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6756.86	6863.80	6813.87	6811.51	0.79	ppb
Antimony	121-1	0.35	0.36	0.36	0.36	2.15	ppb
Arsenic	75-2	4.98	5.47	5.62	5.35	6.27	ppb
Barium	135-1	98.45	102.52	103.90	101.62	2.79	ppb
Barium	137-1	98.81	104.77	104.14	102.57	3.19	ppb
Beryllium	9-1	0.54	0.59	0.65	0.59	9.64	ppb
Bismuth	209-1				107		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.45	0.13	0.13	0.23	79.17	ppb
Cadmium	106-1	-0.99	-1.77	-1.40	-1.39		ppb
Cadmium	111-1	0.28	0.20	0.22	0.24	17.90	ppb
Calcium	43-1	4430.06	4512.57	4434.45	4459.03	1.04	ppb
Calcium	44-1	4279.77	4308.51	4290.27	4292.85	0.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15.35	15.40	15.48	15.41	0.40	ppb
Cobalt	59-2	0.90	1.00	0.97	0.96	5.09	ppb
Copper	63-2	27.38	27.10	27.22	27.23	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				105		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	4406.01	4473.95	4452.85	4444.27	0.78	ppb
Iron	57-2	4603.97	4579.58	4610.32	4597.95	0.35	ppb
Iron	54-2	4615.17	4629.41	4623.93	4622.84	0.16	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:56:33	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	67.37	68.71	69.41	68.50	1.51	ppb
Lead	207-1	62.90	65.62	65.31	64.61	2.30	ppb
Lead	208-1	65.19	66.44	67.41	66.35	1.68	ppb
Lithium	6-1				113		%
Magnesium	24-2	757.93	751.29	754.83	754.69	0.44	ppb
Manganese	55-2	1059.61	1060.16	1056.15	1058.64	0.21	ppb
Molybdenum	94-1	1.56	1.81	1.76	1.71	7.70	ppb
Molybdenum	95-1	0.49	0.47	0.52	0.49	5.17	ppb
Molybdenum	96-1	0.66	0.63	0.64	0.64	2.28	ppb
Molybdenum	97-1	0.48	0.43	0.45	0.45	6.32	ppb
Molybdenum	98-1	0.47	0.48	0.46	0.47	2.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.42	5.81	5.60	5.61	3.41	ppb
Phosphorus	31-2	334.10	315.55	306.88	318.85	4.36	ppb
Potassium	39-2	323.49	323.11	325.47	324.02	0.39	ppb
Rhodium	103-1				105		%
Rhodium	103-2				107		%
Scandium	45-1				111		%
Scandium	45-2				102		%
Selenium	82-1	2.40	1.96	1.45	1.94	24.31	ppb
Selenium	77-2	5.07	3.70	2.94	3.90	27.66	ppb
Selenium	78-2	2.47	1.14	0.67	1.43	65.38	ppb
Silicon	28-1	67.36	68.35	71.69	69.13	3.29	ppb
Silver	107-1	0.18	0.17	0.17	0.18	2.83	ppb
Silver	109-1	0.17	0.17	0.19	0.18	4.55	ppb
Sodium	23-2	1426.23	1416.87	1438.86	1427.32	0.77	ppb
Strontium	86-1	31.45	32.57	32.23	32.08	1.79	ppb
Strontium	88-1	30.99	31.73	31.98	31.56	1.63	ppb
Sulfur	34-1	-1711.49	-1658.35	-1718.16	-1696.00		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.07	0.07	0.08	0.08	7.78	ppb
Thallium	205-1	0.07	0.08	0.07	0.07	6.79	ppb
Tin	118-1	0.36	0.36	0.37	0.36	2.62	ppb
Titanium	47-1	58.04	60.90	58.29	59.07	2.68	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:56:33	DataFile Name :	129SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.98	0.97	1.01	0.99	2.00	ppb
Vanadium	51-2	13.10	13.42	12.97	13.16	1.75	ppb
Yttrium	89-1				108		%
Yttrium	89-2				109		%
Zinc	66-2	29.07	29.34	28.28	28.89	1.90	ppb
Zirconium	90-1	0.65	0.69	0.68	0.67	3.44	ppb
Zirconium	91-1	0.67	0.61	0.67	0.65	5.52	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:59:46	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6519.32	6475.63	6493.71	6496.22	0.34	ppb
Antimony	121-1	0.34	0.36	0.32	0.34	5.80	ppb
Arsenic	75-2	4.82	5.08	4.53	4.81	5.62	ppb
Barium	135-1	98.19	97.76	96.25	97.40	1.05	ppb
Barium	137-1	99.60	99.55	97.13	98.76	1.43	ppb
Beryllium	9-1	0.47	0.48	0.52	0.49	5.27	ppb
Bismuth	209-1				108		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.36	0.24	0.31	0.30	19.57	ppb
Cadmium	106-1	-1.13	-1.16	-3.14	-1.81		ppb
Cadmium	111-1	0.27	0.27	0.07	0.21	55.84	ppb
Calcium	43-1	4338.20	4383.12	4328.82	4350.04	0.67	ppb
Calcium	44-1	4090.82	4243.29	4107.93	4147.35	2.01	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14.74	14.84	14.79	14.79	0.34	ppb
Cobalt	59-2	0.86	0.92	0.87	0.88	3.69	ppb
Copper	63-2	26.63	26.27	26.28	26.39	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				106		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	4162.46	4209.06	4220.89	4197.47	0.74	ppb
Iron	57-2	4369.66	4382.62	4380.85	4377.71	0.16	ppb
Iron	54-2	4413.60	4428.45	4429.45	4423.83	0.20	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:59:46	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	64.50	66.34	64.07	64.97	1.86	ppb
Lead	207-1	61.10	62.79	60.96	61.62	1.65	ppb
Lead	208-1	62.36	64.09	62.44	62.97	1.55	ppb
Lithium	6-1				111		%
Magnesium	24-2	721.32	727.04	721.67	723.34	0.44	ppb
Manganese	55-2	1001.06	998.93	981.19	993.73	1.10	ppb
Molybdenum	94-1	1.58	1.67	1.61	1.62	2.63	ppb
Molybdenum	95-1	0.46	0.50	0.49	0.48	4.68	ppb
Molybdenum	96-1	0.63	0.61	0.60	0.61	2.52	ppb
Molybdenum	97-1	0.48	0.43	0.47	0.46	4.74	ppb
Molybdenum	98-1	0.45	0.47	0.43	0.45	4.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.42	5.64	5.69	5.59	2.59	ppb
Phosphorus	31-2	323.67	305.81	323.68	317.72	3.25	ppb
Potassium	39-2	313.21	312.39	314.96	313.52	0.42	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	1.73	1.93	2.39	2.02	16.80	ppb
Selenium	77-2	4.03	4.78	4.42	4.41	8.58	ppb
Selenium	78-2	2.46	1.63	2.24	2.11	20.30	ppb
Silicon	28-1	65.74	67.65	65.59	66.33	1.73	ppb
Silver	107-1	0.16	0.17	0.17	0.16	3.78	ppb
Silver	109-1	0.17	0.17	0.17	0.17	0.64	ppb
Sodium	23-2	1376.13	1377.99	1386.29	1380.13	0.39	ppb
Strontium	86-1	29.74	30.42	30.26	30.14	1.18	ppb
Strontium	88-1	30.25	30.42	30.29	30.32	0.30	ppb
Sulfur	34-1	-1557.45	-1519.34	-1639.44	-1572.08		ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	203-1	0.07	0.07	0.06	0.07	7.82	ppb
Thallium	205-1	0.06	0.08	0.07	0.07	16.04	ppb
Tin	118-1	0.69	0.75	0.71	0.72	3.86	ppb
Titanium	47-1	55.03	57.50	55.99	56.17	2.22	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:59:46	DataFile Name :	130SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.93	0.97	0.91	0.94	3.08	ppb
Vanadium	51-2	12.68	12.73	12.61	12.67	0.50	ppb
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	30.24	29.89	29.34	29.82	1.51	ppb
Zirconium	90-1	0.64	0.65	0.64	0.64	1.02	ppb
Zirconium	91-1	0.63	0.63	0.63	0.63	0.21	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	25
Date & Time Acquired ::	2024-08-26 00:03:01	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1440.68	1437.57	1423.51	1433.92	0.64	ppb
Antimony	121-1	0.09	0.08	0.07	0.08	12.21	ppb
Arsenic	75-2	1.16	1.17	0.97	1.10	10.39	ppb
Barium	135-1	21.84	21.88	21.61	21.78	0.65	ppb
Barium	137-1	21.77	22.46	22.24	22.16	1.61	ppb
Beryllium	9-1	0.12	0.12	0.14	0.13	7.63	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.02	-0.04	0.07	0.02	378.83	ppb
Cadmium	106-1	-0.23	-1.58	-1.60	-1.14		ppb
Cadmium	111-1	0.04	-0.01	-0.04	0.00		ppb
Calcium	43-1	906.94	980.98	953.02	946.98	3.95	ppb
Calcium	44-1	953.17	960.32	989.59	967.69	1.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.94	2.96	2.97	2.96	0.48	ppb
Cobalt	59-2	0.19	0.18	0.18	0.18	3.99	ppb
Copper	63-2	6.00	6.24	5.96	6.07	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				104		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	936.84	944.73	920.83	934.13	1.30	ppb
Iron	57-2	984.35	957.06	972.09	971.16	1.41	ppb
Iron	54-2	964.60	983.13	956.90	968.21	1.39	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	25
Date & Time Acquired ::	2024-08-26 00:03:01	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	13.67	13.87	14.28	13.94	2.25	ppb
Lead	207-1	12.93	13.04	13.45	13.14	2.08	ppb
Lead	208-1	13.28	13.49	13.97	13.58	2.57	ppb
Lithium	6-1				111		%
Magnesium	24-2	156.48	160.59	159.02	158.69	1.31	ppb
Manganese	55-2	220.27	223.60	220.13	221.33	0.89	ppb
Molybdenum	94-1	0.36	0.30	0.33	0.33	9.42	ppb
Molybdenum	95-1	0.08	0.09	0.10	0.09	11.37	ppb
Molybdenum	96-1	0.09	0.11	0.13	0.11	19.07	ppb
Molybdenum	97-1	0.08	0.08	0.05	0.07	23.37	ppb
Molybdenum	98-1	0.09	0.08	0.07	0.08	15.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.11	1.17	1.16	1.15	2.57	ppb
Phosphorus	31-2	56.18	52.96	67.27	58.81	12.77	ppb
Potassium	39-2	53.53	55.83	54.29	54.55	2.15	ppb
Rhodium	103-1				105		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				102		%
Selenium	82-1	0.17	0.87	1.41	0.82	76.41	ppb
Selenium	77-2	1.61	0.58	0.94	1.04	50.49	ppb
Selenium	78-2	-0.22	-0.05	1.07	0.27	263.58	ppb
Silicon	28-1	14.28	14.40	14.90	14.53	2.24	ppb
Silver	107-1	0.04	0.04	0.04	0.04	5.72	ppb
Silver	109-1	0.04	0.04	0.04	0.04	10.88	ppb
Sodium	23-2	304.60	308.77	304.69	306.02	0.78	ppb
Strontium	86-1	6.32	6.75	6.71	6.59	3.59	ppb
Strontium	88-1	6.57	6.87	6.92	6.79	2.77	ppb
Sulfur	34-1	-2188.17	-2152.06	-2036.93	-2125.72		ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.01	0.01	0.01	33.65	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	9.34	ppb
Tin	118-1	0.18	0.17	0.15	0.17	7.80	ppb
Titanium	47-1	12.18	12.19	12.52	12.30	1.55	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	25
Date & Time Acquired ::	2024-08-26 00:03:01	DataFile Name :	131SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.20	0.19	0.21	0.20	4.63	ppb
Vanadium	51-2	2.74	2.84	2.85	2.81	2.23	ppb
Yttrium	89-1				107		%
Yttrium	89-2				107		%
Zinc	66-2	5.56	6.35	5.73	5.88	7.07	ppb
Zirconium	90-1	0.13	0.14	0.14	0.14	4.41	ppb
Zirconium	91-1	0.11	0.14	0.14	0.13	13.67	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MS	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:06:16	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39597.17	40706.39	39877.27	40060.28	1.44	ppb
Antimony	121-1	519.98	524.36	536.82	527.05	1.66	ppb
Arsenic	75-2	515.39	512.66	504.37	510.81	1.12	ppb
Barium	135-1	2884.37	2856.88	2966.73	2902.66	1.97	ppb
Barium	137-1	2887.75	2914.15	2967.47	2923.12	1.39	ppb
Beryllium	9-1	570.49	566.11	591.23	575.94	2.33	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	542.45	547.94	556.87	549.09	1.33	ppb
Cadmium	106-1	534.88	538.96	553.75	542.53	1.83	ppb
Cadmium	111-1	530.86	538.54	541.71	537.04	1.04	ppb
Calcium	43-1	74950.25	74465.75	76961.36	75459.12	1.75	ppb
Calcium	44-1	70382.46	71308.43	70703.89	70798.26	0.66	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	579.84	580.89	568.56	576.43	1.19	ppb
Cobalt	59-2	538.38	543.98	546.39	542.92	0.76	ppb
Copper	63-2	5176.72	5275.66	5294.52	5248.96	1.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				111		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	46065.52	47370.61	47823.44	47086.52	1.94	ppb
Iron	57-2	46327.85	48110.89	47993.59	47477.44	2.10	ppb
Iron	54-2	47639.20	47585.29	47327.12	47517.20	0.35	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MS	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:06:16	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2853.19	2940.09	2904.69	2899.32	1.51	ppb
Lead	207-1	2795.07	2870.40	2848.26	2837.91	1.36	ppb
Lead	208-1	2851.55	2856.89	2859.14	2855.86	0.14	ppb
Lithium	6-1				112		%
Magnesium	24-2	51061.86	52377.42	52321.61	51920.30	1.43	ppb
Manganese	55-2	9702.85	9864.03	9579.41	9715.43	1.47	ppb
Molybdenum	94-1	6104.85	6390.27	6105.71	6200.27	2.65	ppb
Molybdenum	95-1	6289.05	6677.21	6453.98	6473.41	3.01	ppb
Molybdenum	96-1	6294.63	6492.20	6463.79	6416.87	1.66	ppb
Molybdenum	97-1	6436.24	6605.84	6510.37	6517.49	1.30	ppb
Molybdenum	98-1	6369.47	6533.48	6529.24	6477.40	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	534.87	542.94	536.91	538.24	0.78	ppb
Phosphorus	31-2	1643.64	1643.75	1662.33	1649.91	0.65	ppb
Potassium	39-2	26381.13	26730.99	25984.21	26365.44	1.42	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				110		%
Scandium	45-2				102		%
Selenium	82-1	494.47	517.82	502.33	504.87	2.35	ppb
Selenium	77-2	541.85	497.16	500.36	513.12	4.86	ppb
Selenium	78-2	492.30	484.83	486.18	487.77	0.82	ppb
Silicon	28-1	358.62	346.38	357.37	354.12	1.90	ppb
Silver	107-1	267.58	367.86	389.01	341.49	19.00	ppb
Silver	109-1	314.73	333.93	389.42	346.03	11.21	ppb
Sodium	23-2	53227.01	55417.28	54264.30	54302.86	2.02	ppb
Strontium	86-1	10781.62	11086.25	10847.80	10905.22	1.47	ppb
Strontium	88-1	10824.08	11079.85	10998.23	10967.39	1.19	ppb
Sulfur	34-1	1782.28	1488.30	1591.37	1620.65	9.20	ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	203-1	527.88	537.77	527.54	531.06	1.09	ppb
Thallium	205-1	522.12	532.24	531.42	528.59	1.06	ppb
Tin	118-1	473.54	490.44	491.82	485.27	2.10	ppb
Titanium	47-1	5912.27	6035.53	6124.10	6023.96	1.77	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MS	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:06:16	DataFile Name :	132SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	520.67	523.82	509.80	518.10	1.42	ppb
Vanadium	51-2	595.48	596.68	598.98	597.05	0.30	ppb
Yttrium	89-1				116		%
Yttrium	89-2				114		%
Zinc	66-2	5256.27	5235.07	5242.53	5244.62	0.21	ppb
Zirconium	90-1	474.79	487.77	480.21	480.92	1.36	ppb
Zirconium	91-1	467.33	483.00	473.94	474.76	1.66	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:09:03	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8140.61	8034.98	8064.17	8079.92	0.68	ppb
Antimony	121-1	96.62	97.37	98.90	97.63	1.19	ppb
Arsenic	75-2	104.07	103.87	105.26	104.40	0.72	ppb
Barium	135-1	527.69	532.70	538.30	532.90	1.00	ppb
Barium	137-1	565.46	577.57	576.96	573.33	1.19	ppb
Beryllium	9-1	110.39	109.06	108.41	109.29	0.93	ppb
Bismuth	209-1				111		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	111.48	108.34	112.97	110.93	2.13	ppb
Cadmium	106-1	102.37	106.00	105.79	104.72	1.94	ppb
Cadmium	111-1	104.78	107.03	107.82	106.55	1.48	ppb
Calcium	43-1	15607.01	15086.84	15285.50	15326.45	1.71	ppb
Calcium	44-1	14213.65	13914.03	14042.97	14056.88	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	115.18	113.64	113.87	114.23	0.73	ppb
Cobalt	59-2	107.40	105.80	106.93	106.71	0.77	ppb
Copper	63-2	1077.05	1061.13	1058.14	1065.44	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				108		%
Holmium	165-2				111		%
Indium	115-1				109		%
Indium	115-2				105		%
Iron	56-2	9460.59	9390.62	9307.70	9386.30	0.82	ppb
Iron	57-2	9833.89	9856.87	9734.95	9808.57	0.66	ppb
Iron	54-2	9964.58	9810.31	9844.78	9873.22	0.82	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:09:03	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	543.01	558.14	555.33	552.16	1.46	ppb
Lead	207-1	534.88	541.04	552.40	542.77	1.64	ppb
Lead	208-1	541.28	549.14	554.20	548.21	1.19	ppb
Lithium	6-1				117		%
Magnesium	24-2	10366.99	10171.80	10360.53	10299.77	1.08	ppb
Manganese	55-2	1975.49	1905.93	1938.60	1940.01	1.79	ppb
Molybdenum	94-1	1340.48	1249.00	1305.06	1298.18	3.55	ppb
Molybdenum	95-1	1352.67	1314.13	1344.55	1337.12	1.52	ppb
Molybdenum	96-1	1346.00	1324.77	1337.17	1335.98	0.80	ppb
Molybdenum	97-1	1397.22	1318.92	1362.54	1359.56	2.89	ppb
Molybdenum	98-1	1364.05	1290.89	1363.33	1339.42	3.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	109.19	108.54	109.05	108.92	0.31	ppb
Phosphorus	31-2	327.46	316.72	299.71	314.63	4.45	ppb
Potassium	39-2	5127.76	5075.21	5124.12	5109.03	0.57	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				111		%
Scandium	45-2				101		%
Selenium	82-1	104.67	104.27	102.96	103.97	0.86	ppb
Selenium	77-2	98.79	108.63	104.39	103.93	4.75	ppb
Selenium	78-2	93.67	97.49	104.16	98.44	5.39	ppb
Silicon	28-1	72.37	66.66	72.00	70.34	4.54	ppb
Silver	107-1	87.25	87.89	88.13	87.75	0.52	ppb
Silver	109-1	86.32	87.14	88.18	87.21	1.07	ppb
Sodium	23-2	10528.71	10492.76	10577.00	10532.82	0.40	ppb
Strontium	86-1	2297.31	2252.96	2294.59	2281.62	1.09	ppb
Strontium	88-1	2277.20	2253.54	2326.64	2285.79	1.63	ppb
Sulfur	34-1	-1186.22	-1352.39	-1389.80	-1309.47		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	87.90	89.48	88.20	88.53	0.95	ppb
Thallium	205-1	87.34	89.24	88.09	88.23	1.08	ppb
Tin	118-1	88.15	90.24	90.77	89.72	1.55	ppb
Titanium	47-1	1206.28	1183.18	1195.48	1194.98	0.97	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:09:03	DataFile Name :	133SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	86.78	88.21	98.63	91.21	7.09	ppb
Vanadium	51-2	118.19	117.01	115.08	116.76	1.34	ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	1045.75	1039.71	1035.55	1040.34	0.49	ppb
Zirconium	90-1	99.12	95.90	99.54	98.19	2.03	ppb
Zirconium	91-1	99.93	96.62	99.92	98.82	1.93	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSD	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:12:01	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39286.44	39503.76	39536.72	39442.31	0.34	ppb
Antimony	121-1	501.09	527.58	520.92	516.53	2.67	ppb
Arsenic	75-2	513.51	513.96	522.72	516.73	1.00	ppb
Barium	135-1	2874.01	2848.39	2903.95	2875.45	0.97	ppb
Barium	137-1	2847.74	2927.05	2917.52	2897.43	1.49	ppb
Beryllium	9-1	551.21	570.05	564.02	561.76	1.71	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	539.12	548.47	541.82	543.14	0.89	ppb
Cadmium	106-1	536.61	540.26	538.35	538.41	0.34	ppb
Cadmium	111-1	529.36	528.36	531.82	529.84	0.34	ppb
Calcium	43-1	73897.56	72432.93	74072.00	73467.50	1.23	ppb
Calcium	44-1	69737.76	69402.29	71703.30	70281.12	1.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	581.97	564.85	584.74	577.18	1.87	ppb
Cobalt	59-2	550.99	552.73	552.36	552.03	0.17	ppb
Copper	63-2	5209.17	5232.94	5254.37	5232.16	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				107		%
Holmium	165-2				111		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	47393.27	47868.50	47830.06	47697.28	0.55	ppb
Iron	57-2	48452.84	48855.86	48651.33	48653.34	0.41	ppb
Iron	54-2	48448.51	47769.54	49541.14	48586.40	1.84	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSD	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:12:01	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2864.01	2880.86	2888.56	2877.81	0.44	ppb
Lead	207-1	2861.99	2852.07	2785.68	2833.25	1.46	ppb
Lead	208-1	2853.83	2881.78	2838.76	2858.12	0.76	ppb
Lithium	6-1				117		%
Magnesium	24-2	52031.93	51639.68	52352.94	52008.18	0.69	ppb
Manganese	55-2	9570.55	9412.27	9588.01	9523.61	1.02	ppb
Molybdenum	94-1	6075.90	6169.42	6288.34	6177.89	1.72	ppb
Molybdenum	95-1	6280.99	6354.69	6551.74	6395.81	2.19	ppb
Molybdenum	96-1	6379.89	6404.81	6483.16	6422.62	0.84	ppb
Molybdenum	97-1	6478.57	6480.21	6633.26	6530.68	1.36	ppb
Molybdenum	98-1	6206.97	6413.19	6544.03	6388.06	2.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	543.85	540.04	546.68	543.52	0.61	ppb
Phosphorus	31-2	1645.21	1639.24	1625.59	1636.68	0.61	ppb
Potassium	39-2	26438.98	25980.81	25809.48	26076.42	1.25	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				112		%
Scandium	45-2				102		%
Selenium	82-1	487.17	494.27	506.38	495.94	1.96	ppb
Selenium	77-2	503.04	526.73	515.44	515.07	2.30	ppb
Selenium	78-2	497.50	504.49	510.80	504.26	1.32	ppb
Silicon	28-1	344.77	335.33	352.23	344.11	2.46	ppb
Silver	107-1	479.42	179.45	252.12	303.67	51.53	ppb
Silver	109-1	196.53	291.57	175.77	221.29	27.90	ppb
Sodium	23-2	55199.76	55164.57	54662.60	55008.98	0.55	ppb
Strontium	86-1	10722.12	10818.52	11205.58	10915.40	2.34	ppb
Strontium	88-1	10868.26	10920.99	11194.80	10994.69	1.59	ppb
Sulfur	34-1	1494.35	1379.38	1561.40	1478.38	6.23	ppb
Terbium	159-1				106		%
Terbium	159-2				110		%
Thallium	203-1	524.83	535.00	531.92	530.58	0.98	ppb
Thallium	205-1	527.24	537.39	529.84	531.49	0.99	ppb
Tin	118-1	463.58	476.93	477.40	472.64	1.66	ppb
Titanium	47-1	6025.95	5907.93	6108.84	6014.24	1.68	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSD	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:12:01	DataFile Name :	134SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	519.26	545.01	525.54	529.94	2.53	ppb
Vanadium	51-2	596.22	598.68	601.47	598.79	0.44	ppb
Yttrium	89-1				116		%
Yttrium	89-2				112		%
Zinc	66-2	5258.28	5233.71	5190.45	5227.48	0.66	ppb
Zirconium	90-1	464.36	485.42	490.64	480.14	2.90	ppb
Zirconium	91-1	461.35	473.53	483.45	472.77	2.34	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:14:48	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8248.46	8132.20	8239.54	8206.74	0.79	ppb
Antimony	121-1	99.77	98.98	100.25	99.67	0.64	ppb
Arsenic	75-2	109.48	109.82	108.68	109.32	0.54	ppb
Barium	135-1	535.97	536.10	537.23	536.43	0.13	ppb
Barium	137-1	578.52	574.15	582.37	578.35	0.71	ppb
Beryllium	9-1	110.57	111.83	109.02	110.47	1.28	ppb
Bismuth	209-1				111		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	108.09	109.21	111.44	109.58	1.55	ppb
Cadmium	106-1	105.55	106.46	107.38	106.46	0.86	ppb
Cadmium	111-1	107.36	108.81	109.01	108.39	0.83	ppb
Calcium	43-1	15451.96	15700.57	15736.46	15629.66	0.99	ppb
Calcium	44-1	13938.20	14061.79	14280.02	14093.34	1.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	118.11	116.67	116.34	117.04	0.81	ppb
Cobalt	59-2	109.40	109.66	108.81	109.29	0.40	ppb
Copper	63-2	1064.51	1078.89	1080.61	1074.67	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				108		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	56-2	9762.47	9505.84	9858.58	9708.96	1.88	ppb
Iron	57-2	10009.60	9974.86	10026.52	10003.66	0.26	ppb
Iron	54-2	10281.40	10128.72	10152.08	10187.40	0.81	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:14:48	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	566.14	563.07	565.45	564.89	0.28	ppb
Lead	207-1	557.43	555.47	560.42	557.77	0.45	ppb
Lead	208-1	559.89	554.28	561.75	558.64	0.70	ppb
Lithium	6-1				119		%
Magnesium	24-2	10562.76	10465.44	10520.27	10516.16	0.46	ppb
Manganese	55-2	1935.68	1917.92	1943.45	1932.35	0.68	ppb
Molybdenum	94-1	1290.59	1318.68	1330.67	1313.31	1.57	ppb
Molybdenum	95-1	1340.12	1338.36	1346.33	1341.60	0.31	ppb
Molybdenum	96-1	1346.20	1352.65	1361.71	1353.52	0.58	ppb
Molybdenum	97-1	1352.43	1380.23	1354.61	1362.42	1.13	ppb
Molybdenum	98-1	1356.29	1350.92	1340.40	1349.21	0.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	112.23	112.17	112.40	112.27	0.11	ppb
Phosphorus	31-2	343.22	316.51	337.43	332.39	4.23	ppb
Potassium	39-2	5255.85	5308.60	5228.57	5264.34	0.77	ppb
Rhodium	103-1				107		%
Rhodium	103-2				106		%
Scandium	45-1				111		%
Scandium	45-2				102		%
Selenium	82-1	108.18	105.47	106.04	106.56	1.34	ppb
Selenium	77-2	102.92	107.78	99.48	103.39	4.03	ppb
Selenium	78-2	110.27	102.46	109.00	107.24	3.91	ppb
Silicon	28-1	70.01	71.90	69.88	70.59	1.60	ppb
Silver	107-1	93.41	93.59	94.04	93.68	0.35	ppb
Silver	109-1	92.88	92.80	93.60	93.09	0.47	ppb
Sodium	23-2	11210.42	11120.29	10989.01	11106.58	1.00	ppb
Strontium	86-1	2348.63	2307.05	2378.85	2344.84	1.54	ppb
Strontium	88-1	2274.41	2287.05	2359.01	2306.82	1.98	ppb
Sulfur	34-1	-1366.88	-1236.56	-1268.98	-1290.81		ppb
Terbium	159-1				108		%
Terbium	159-2				110		%
Thallium	203-1	92.18	92.49	90.78	91.82	0.99	ppb
Thallium	205-1	91.27	91.55	91.72	91.51	0.24	ppb
Tin	118-1	90.71	91.45	91.94	91.37	0.68	ppb
Titanium	47-1	1207.12	1239.89	1232.39	1226.46	1.40	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:14:48	DataFile Name :	135SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	89.10	90.39	89.98	89.83	0.73	ppb
Vanadium	51-2	119.72	119.62	120.51	119.95	0.40	ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	1045.84	1052.69	1051.19	1049.90	0.34	ppb
Zirconium	90-1	99.15	100.45	101.20	100.27	1.04	ppb
Zirconium	91-1	100.25	99.46	100.72	100.14	0.63	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:42:20	DataFile Name :	137CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52398.15	52048.31	52466.23	52304.23	0.43	ppb
Antimony	121-1	506.36	502.69	494.53	501.19	1.21	ppb
Arsenic	75-2	472.04	484.60	469.22	475.29	1.72	ppb
Barium	135-1	2435.98	2386.50	2348.61	2390.36	1.83	ppb
Barium	137-1	2458.79	2378.29	2385.09	2407.39	1.85	ppb
Beryllium	9-1	516.38	527.66	544.17	529.41	2.64	ppb
Bismuth	209-1				98		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	490.59	487.18	491.56	489.78	0.47	ppb
Cadmium	106-1	478.40	480.78	473.25	477.48	0.81	ppb
Cadmium	111-1	472.58	471.35	472.69	472.21	0.16	ppb
Calcium	43-1	243042.75	252846.60	249598.98	248496.11	2.01	ppb
Calcium	44-1	240228.18	253490.65	244776.39	246165.07	2.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	485.32	486.54	483.90	485.25	0.27	ppb
Cobalt	59-2	485.27	477.73	484.89	482.63	0.88	ppb
Copper	63-2	5058.37	4970.12	4885.50	4971.33	1.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				107		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	130446.05	127818.90	126690.57	128318.51	1.50	ppb
Iron	57-2	127977.34	127022.91	127538.01	127512.75	0.37	ppb
Iron	54-2	125540.87	130055.47	126763.72	127453.36	1.83	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:42:20	DataFile Name :	137CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2436.51	2457.33	2473.49	2455.78	0.75	ppb
Lead	207-1	2434.07	2458.60	2428.93	2440.54	0.65	ppb
Lead	208-1	2420.30	2476.76	2430.99	2442.68	1.23	ppb
Lithium	6-1				110		%
Magnesium	24-2	249274.90	246233.18	244686.69	246731.59	0.95	ppb
Manganese	55-2	4869.43	4938.72	4826.11	4878.09	1.16	ppb
Molybdenum	94-1	5354.84	5356.33	5455.89	5389.02	1.07	ppb
Molybdenum	95-1	5248.32	5301.03	5379.05	5309.47	1.24	ppb
Molybdenum	96-1	5235.56	5221.89	5340.72	5266.05	1.23	ppb
Molybdenum	97-1	5299.22	5393.34	5500.96	5397.84	1.87	ppb
Molybdenum	98-1	5240.25	5346.87	5463.95	5350.36	2.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	468.21	465.72	459.25	464.40	1.00	ppb
Phosphorus	31-2	9481.24	9480.85	9495.43	9485.84	0.09	ppb
Potassium	39-2	123529.19	122144.46	123132.91	122935.52	0.58	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				108		%
Scandium	45-2				99		%
Selenium	82-1	473.20	482.75	485.67	480.54	1.36	ppb
Selenium	77-2	441.71	477.06	472.57	463.78	4.15	ppb
Selenium	78-2	448.44	483.63	462.38	464.82	3.81	ppb
Silicon	28-1	517.02	520.24	517.89	518.38	0.32	ppb
Silver	107-1	497.80	489.85	488.50	492.05	1.02	ppb
Silver	109-1	500.38	495.30	493.89	496.53	0.69	ppb
Sodium	23-2	253519.67	249503.32	249983.59	251002.20	0.87	ppb
Strontium	86-1	12229.09	12306.00	12309.90	12281.66	0.37	ppb
Strontium	88-1	12072.45	12346.08	12396.20	12271.58	1.42	ppb
Sulfur	34-1	8866.21	9205.49	8885.79	8985.83	2.12	ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	487.96	488.11	485.50	487.19	0.30	ppb
Thallium	205-1	484.80	491.60	496.39	490.93	1.19	ppb
Tin	118-1	489.41	490.72	493.48	491.21	0.42	ppb
Titanium	47-1	5357.19	5444.19	5257.24	5352.87	1.75	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:42:20	DataFile Name :	137CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	480.80	503.22	483.34	489.12	2.51	ppb
Vanadium	51-2	491.26	493.76	495.80	493.61	0.46	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	4987.33	4842.63	4725.24	4851.74	2.71	ppb
Zirconium	90-1	482.23	489.10	499.75	490.36	1.80	ppb
Zirconium	91-1	476.17	479.38	489.86	481.80	1.49	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:52:34	DataFile Name :	138CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.23	0.57	0.38	0.39	42.62	ppb
Antimony	121-1	0.09	0.12	0.11	0.10	14.74	ppb
Arsenic	75-2	0.01	-0.02	-0.02	-0.01		ppb
Barium	135-1	0.04	0.05	0.04	0.04	12.25	ppb
Barium	137-1	0.05	0.04	0.03	0.04	31.86	ppb
Beryllium	9-1	0.04	0.02	0.02	0.03	57.61	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	-0.01	-0.10	-0.01		ppb
Cadmium	106-1	-2.50	-3.61	-4.16	-3.42		ppb
Cadmium	111-1	-0.19	-0.25	-0.30	-0.25		ppb
Calcium	43-1	1.80	2.27	-1.09	0.99	183.00	ppb
Calcium	44-1	-5.51	-6.85	-4.02	-5.46		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.30	-0.27	-0.26	-0.27		ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	44.94	ppb
Copper	63-2	0.08	0.10	0.11	0.10	16.81	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				102		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	2.31	2.26	2.59	2.39	7.41	ppb
Iron	57-2	-1.66	2.86	0.50	0.57	398.12	ppb
Iron	54-2	2.27	2.87	2.53	2.56	11.75	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:52:34	DataFile Name :	138CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.00	0.00	0.03	0.01	120.50	ppb
Lead	207-1	0.02	0.03	0.02	0.02	12.01	ppb
Lead	208-1	0.01	0.01	0.02	0.02	37.81	ppb
Lithium	6-1				114		%
Magnesium	24-2	7.09	7.94	7.90	7.64	6.27	ppb
Manganese	55-2	0.12	0.14	0.11	0.13	12.62	ppb
Molybdenum	94-1	0.12	0.13	0.16	0.14	16.84	ppb
Molybdenum	95-1	0.13	0.12	0.12	0.12	2.47	ppb
Molybdenum	96-1	0.15	0.14	0.12	0.13	11.94	ppb
Molybdenum	97-1	0.12	0.12	0.14	0.13	10.18	ppb
Molybdenum	98-1	0.12	0.12	0.11	0.11	5.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.19	-0.16	-0.18	-0.18		ppb
Phosphorus	31-2	-18.70	-18.77	-21.61	-19.69		ppb
Potassium	39-2	-13.37	-11.25	-11.56	-12.06		ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				109		%
Scandium	45-2				100		%
Selenium	82-1	-0.17	1.00	0.10	0.31	194.82	ppb
Selenium	77-2	0.60	-0.13	-0.13	0.11	363.29	ppb
Selenium	78-2	-1.70	-0.45	0.44	-0.57		ppb
Silicon	28-1	-0.63	-0.68	-0.59	-0.63		ppb
Silver	107-1	0.02	0.02	0.02	0.02	7.09	ppb
Silver	109-1	0.01	0.01	0.02	0.01	11.98	ppb
Sodium	23-2	21.55	20.88	22.04	21.49	2.70	ppb
Strontium	86-1	0.28	0.26	0.30	0.28	7.42	ppb
Strontium	88-1	0.28	0.28	0.29	0.28	1.87	ppb
Sulfur	34-1	-625.13	-654.20	-652.11	-643.81		ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.01	0.01	18.17	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	22.24	ppb
Tin	118-1	0.03	0.00	0.03	0.02	68.22	ppb
Titanium	47-1	0.08	0.10	0.19	0.12	47.59	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:52:34	DataFile Name :	138CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	8.81	ppb
Vanadium	51-2	0.02	0.02	0.01	0.02	34.35	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	-0.47	-0.33	-0.48	-0.43		ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	19.38	ppb
Zirconium	91-1	0.01	0.02	0.03	0.02	35.57	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14A	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:55:51	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40818.45	40205.90	40601.53	40541.96	0.77	ppb
Antimony	121-1	519.55	519.14	516.67	518.45	0.30	ppb
Arsenic	75-2	517.29	510.24	501.43	509.66	1.56	ppb
Barium	135-1	2780.91	2823.63	2909.12	2837.89	2.30	ppb
Barium	137-1	2857.88	2874.38	2905.50	2879.25	0.84	ppb
Beryllium	9-1	564.05	573.19	579.80	572.34	1.38	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	541.93	542.86	544.10	542.96	0.20	ppb
Cadmium	106-1	538.71	534.56	541.44	538.24	0.64	ppb
Cadmium	111-1	530.39	525.33	532.09	529.27	0.66	ppb
Calcium	43-1	71107.60	75840.19	72927.60	73291.80	3.26	ppb
Calcium	44-1	68674.59	72059.37	70788.73	70507.56	2.43	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	579.32	581.13	577.87	579.44	0.28	ppb
Cobalt	59-2	553.78	550.24	534.42	546.15	1.89	ppb
Copper	63-2	5171.12	5243.56	5125.88	5180.18	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				107		%
Holmium	165-2				110		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	46709.37	45619.09	46135.67	46154.71	1.18	ppb
Iron	57-2	46818.20	47112.34	45351.55	46427.37	2.03	ppb
Iron	54-2	46979.73	47540.01	46573.44	47031.06	1.03	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14A	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:55:51	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2864.63	2892.47	2900.21	2885.77	0.65	ppb
Lead	207-1	2806.85	2830.21	2846.43	2827.83	0.70	ppb
Lead	208-1	2835.40	2830.20	2863.43	2843.01	0.63	ppb
Lithium	6-1				118		%
Magnesium	24-2	51773.64	53149.90	53022.29	52648.61	1.44	ppb
Manganese	55-2	9761.47	9724.98	9680.79	9722.41	0.42	ppb
Molybdenum	94-1	6199.71	6124.06	6054.90	6126.22	1.18	ppb
Molybdenum	95-1	6330.13	6153.89	6279.58	6254.54	1.45	ppb
Molybdenum	96-1	6326.77	6229.51	6312.01	6289.43	0.83	ppb
Molybdenum	97-1	6366.31	6455.21	6395.35	6405.62	0.71	ppb
Molybdenum	98-1	6282.08	6327.74	6241.83	6283.89	0.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	540.18	542.53	535.18	539.30	0.70	ppb
Phosphorus	31-2	1667.09	1666.39	1608.03	1647.17	2.06	ppb
Potassium	39-2	25972.93	25988.11	25868.37	25943.14	0.25	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				113		%
Scandium	45-2				101		%
Selenium	82-1	495.11	488.51	494.12	492.58	0.72	ppb
Selenium	77-2	514.66	489.73	509.11	504.50	2.59	ppb
Selenium	78-2	505.37	502.22	500.98	502.86	0.45	ppb
Silicon	28-1	363.07	367.35	395.68	375.37	4.72	ppb
Silver	107-1	133.32	130.12	145.65	136.36	6.01	ppb
Silver	109-1	116.62	117.08	129.31	121.00	5.95	ppb
Sodium	23-2	54769.70	56687.09	54694.50	55383.76	2.04	ppb
Strontium	86-1	11095.24	10863.69	11207.13	11055.35	1.58	ppb
Strontium	88-1	10910.28	10752.60	10746.34	10803.07	0.86	ppb
Sulfur	34-1	2142.44	2131.56	2020.15	2098.05	3.23	ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	203-1	528.59	535.93	530.47	531.67	0.72	ppb
Thallium	205-1	533.09	531.69	535.17	533.32	0.33	ppb
Tin	118-1	479.73	468.77	480.47	476.32	1.37	ppb
Titanium	47-1	5836.64	6035.12	6175.70	6015.82	2.83	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14A	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:55:51	DataFile Name :	139SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	526.14	530.79	536.02	530.98	0.93	ppb
Vanadium	51-2	596.79	593.88	592.70	594.46	0.35	ppb
Yttrium	89-1				116		%
Yttrium	89-2				112		%
Zinc	66-2	5152.28	5109.11	5096.92	5119.44	0.57	ppb
Zirconium	90-1	477.78	486.42	475.27	479.82	1.22	ppb
Zirconium	91-1	470.08	471.12	473.93	471.71	0.42	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:58:40	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8022.20	8108.93	8106.37	8079.17	0.61	ppb
Antimony	121-1	94.33	97.07	97.49	96.30	1.78	ppb
Arsenic	75-2	104.56	99.73	105.74	103.34	3.08	ppb
Barium	135-1	510.02	523.30	529.48	520.93	1.91	ppb
Barium	137-1	556.42	551.46	568.28	558.72	1.55	ppb
Beryllium	9-1	111.90	111.03	111.93	111.62	0.46	ppb
Bismuth	209-1				111		%
Bismuth	209-2				113		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	107.37	110.15	105.81	107.78	2.04	ppb
Cadmium	106-1	102.35	105.25	106.82	104.81	2.16	ppb
Cadmium	111-1	103.24	106.17	107.11	105.51	1.91	ppb
Calcium	43-1	15091.73	15726.49	15514.35	15444.19	2.09	ppb
Calcium	44-1	13899.09	14358.82	14075.34	14111.08	1.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	114.02	116.00	114.14	114.72	0.97	ppb
Cobalt	59-2	105.26	106.23	105.66	105.72	0.46	ppb
Copper	63-2	1051.40	1065.41	1052.38	1056.40	0.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				111		%
Indium	115-1				104		%
Indium	115-2				106		%
Iron	56-2	9142.14	9293.64	9199.54	9211.77	0.83	ppb
Iron	57-2	9450.28	9590.56	9418.51	9486.45	0.97	ppb
Iron	54-2	9598.95	9660.78	9628.06	9629.26	0.32	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:58:40	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	525.07	562.00	556.52	547.86	3.64	ppb
Lead	207-1	519.47	551.80	538.97	536.75	3.03	ppb
Lead	208-1	528.32	556.15	545.63	543.36	2.59	ppb
Lithium	6-1				122		%
Magnesium	24-2	10286.93	10348.58	10243.46	10292.99	0.51	ppb
Manganese	55-2	1891.03	1935.82	1914.16	1913.67	1.17	ppb
Molybdenum	94-1	1268.41	1262.58	1314.14	1281.71	2.20	ppb
Molybdenum	95-1	1303.99	1290.05	1304.09	1299.38	0.62	ppb
Molybdenum	96-1	1306.95	1313.24	1282.25	1300.81	1.26	ppb
Molybdenum	97-1	1328.42	1324.59	1318.65	1323.89	0.37	ppb
Molybdenum	98-1	1287.93	1314.23	1324.54	1308.90	1.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.46	108.10	109.52	108.36	0.97	ppb
Phosphorus	31-2	302.87	314.08	316.23	311.06	2.31	ppb
Potassium	39-2	5047.21	5100.22	5177.60	5108.34	1.28	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				110		%
Scandium	45-2				101		%
Selenium	82-1	106.51	101.43	105.36	104.43	2.55	ppb
Selenium	77-2	97.60	92.14	100.81	96.85	4.53	ppb
Selenium	78-2	108.13	96.92	101.19	102.08	5.54	ppb
Silicon	28-1	69.46	75.10	77.86	74.14	5.77	ppb
Silver	107-1	88.46	91.79	91.62	90.63	2.07	ppb
Silver	109-1	88.84	91.58	91.97	90.80	1.87	ppb
Sodium	23-2	10551.91	10768.17	10836.80	10718.96	1.39	ppb
Strontium	86-1	2311.30	2281.64	2295.08	2296.01	0.65	ppb
Strontium	88-1	2276.26	2272.23	2272.43	2273.64	0.10	ppb
Sulfur	34-1	-848.01	-523.71	-717.20	-696.31		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	86.08	90.54	88.98	88.54	2.56	ppb
Thallium	205-1	85.98	90.45	89.35	88.60	2.63	ppb
Tin	118-1	85.27	88.44	88.53	87.41	2.13	ppb
Titanium	47-1	1178.16	1256.20	1215.30	1216.55	3.21	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:58:40	DataFile Name :	140SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	83.80	90.74	88.66	87.73	4.06	ppb
Vanadium	51-2	116.94	116.91	115.67	116.50	0.62	ppb
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	1027.25	1029.18	1024.22	1026.88	0.24	ppb
Zirconium	90-1	98.46	98.44	98.69	98.53	0.14	ppb
Zirconium	91-1	97.61	97.92	98.51	98.01	0.47	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE2	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:15:07	DataFile Name :	142SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9804.70	9805.15	9638.76	9749.54	0.98	ppb
Antimony	121-1	515.16	524.14	531.82	523.71	1.59	ppb
Arsenic	75-2	529.06	534.86	510.99	524.97	2.37	ppb
Barium	135-1	2419.06	2434.55	2520.17	2457.93	2.22	ppb
Barium	137-1	2485.51	2456.54	2497.82	2479.96	0.85	ppb
Beryllium	9-1	594.53	564.87	590.58	583.33	2.76	ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	551.42	548.88	572.70	557.67	2.35	ppb
Cadmium	106-1	538.95	532.38	555.58	542.30	2.20	ppb
Cadmium	111-1	529.73	529.47	551.69	536.96	2.38	ppb
Calcium	43-1	73954.05	72035.39	76335.37	74108.27	2.91	ppb
Calcium	44-1	69500.50	69180.42	70892.37	69857.76	1.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.78	523.31	517.03	520.37	0.61	ppb
Cobalt	59-2	553.19	561.94	550.36	555.16	1.09	ppb
Copper	63-2	5125.29	5113.18	5063.24	5100.57	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	29695.16	29321.61	29256.37	29424.38	0.80	ppb
Iron	57-2	29656.81	29765.61	29986.41	29802.94	0.56	ppb
Iron	54-2	29664.70	30067.97	30421.93	30051.53	1.26	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE2	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:15:07	DataFile Name :	142SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2502.88	2559.80	2565.84	2542.84	1.37	ppb
Lead	207-1	2468.02	2529.16	2603.91	2533.70	2.69	ppb
Lead	208-1	2492.28	2532.96	2569.51	2531.58	1.53	ppb
Lithium	6-1				119		%
Magnesium	24-2	53185.99	53584.58	52611.54	53127.37	0.92	ppb
Manganese	55-2	5466.81	5402.84	5274.63	5381.43	1.82	ppb
Molybdenum	94-1	6725.32	7047.25	6701.28	6824.61	2.83	ppb
Molybdenum	95-1	6980.61	7306.68	6971.68	7086.32	2.69	ppb
Molybdenum	96-1	7014.57	7045.44	6987.61	7015.87	0.41	ppb
Molybdenum	97-1	7104.99	7186.02	7048.23	7113.08	0.97	ppb
Molybdenum	98-1	6991.99	7174.23	6943.56	7036.59	1.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	523.68	523.09	518.82	521.86	0.51	ppb
Phosphorus	31-2	71.07	68.36	72.80	70.75	3.16	ppb
Potassium	39-2	27514.76	27405.99	27246.93	27389.23	0.49	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				110		%
Scandium	45-2				98		%
Selenium	82-1	519.67	537.86	530.47	529.33	1.73	ppb
Selenium	77-2	532.28	531.75	481.07	515.03	5.71	ppb
Selenium	78-2	525.84	530.89	500.14	518.96	3.18	ppb
Silicon	28-1	172.86	166.77	183.82	174.48	4.95	ppb
Silver	107-1	294.70	297.54	371.93	321.39	13.63	ppb
Silver	109-1	365.88	413.24	387.98	389.03	6.09	ppb
Sodium	23-2	112779.33	112650.43	113339.39	112923.05	0.32	ppb
Strontium	86-1	11899.77	12252.33	11855.27	12002.46	1.81	ppb
Strontium	88-1	11984.39	12348.93	12003.74	12112.35	1.69	ppb
Sulfur	34-1	2113.78	2057.05	2315.41	2162.08	6.28	ppb
Terbium	159-1				103		%
Terbium	159-2				105		%
Thallium	203-1	525.12	542.00	529.93	532.35	1.63	ppb
Thallium	205-1	521.12	540.01	541.90	534.34	2.15	ppb
Tin	118-1	480.04	486.19	497.34	487.86	1.80	ppb
Titanium	47-1	5861.73	5845.62	5970.07	5892.47	1.15	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE2	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:15:07	DataFile Name :	142SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	522.40	538.41	535.90	532.24	1.62	ppb
Vanadium	51-2	544.64	546.23	542.16	544.34	0.38	ppb
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	5202.20	5207.72	5172.04	5193.99	0.37	ppb
Zirconium	90-1	519.16	531.67	521.93	524.25	1.25	ppb
Zirconium	91-1	509.83	525.38	512.02	515.74	1.63	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV11	Instrumnet Name :	P7
Client Sample ID :	CCV11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:17:53	DataFile Name :	143CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52066.66	52994.42	51628.55	52229.88	1.34	ppb
Antimony	121-1	500.41	501.57	505.08	502.35	0.48	ppb
Arsenic	75-2	481.53	469.09	473.77	474.80	1.32	ppb
Barium	135-1	2399.25	2432.77	2422.29	2418.10	0.71	ppb
Barium	137-1	2416.65	2414.95	2441.32	2424.30	0.61	ppb
Beryllium	9-1	517.18	529.46	505.38	517.34	2.33	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	483.54	481.18	495.05	486.59	1.53	ppb
Cadmium	106-1	488.04	483.19	490.65	487.29	0.78	ppb
Cadmium	111-1	472.54	474.52	486.38	477.81	1.57	ppb
Calcium	43-1	250606.69	254345.53	251578.79	252177.00	0.77	ppb
Calcium	44-1	251607.09	250609.12	245795.36	249337.19	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	485.33	488.67	489.92	487.98	0.49	ppb
Cobalt	59-2	479.16	488.37	475.39	480.97	1.39	ppb
Copper	63-2	4967.56	5142.22	5009.33	5039.71	1.81	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				104		%
Holmium	165-2				109		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	129055.18	129500.77	127215.18	128590.38	0.94	ppb
Iron	57-2	124853.78	129851.35	127032.37	127245.83	1.97	ppb
Iron	54-2	126561.69	129533.95	128126.99	128074.21	1.16	ppb
Krypton	83-1						cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV11	Instrumnet Name :	P7
Client Sample ID :	CCV11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:17:53	DataFile Name :	143CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2451.88	2394.75	2514.62	2453.75	2.44	ppb
Lead	207-1	2420.41	2384.70	2487.33	2430.81	2.14	ppb
Lead	208-1	2429.21	2361.01	2482.17	2424.13	2.51	ppb
Lithium	6-1				120		%
Magnesium	24-2	249329.88	250201.65	248199.47	249243.67	0.40	ppb
Manganese	55-2	4867.66	4956.58	4804.12	4876.12	1.57	ppb
Molybdenum	94-1	5268.16	5359.16	5405.39	5344.24	1.31	ppb
Molybdenum	95-1	5343.87	5345.39	5334.15	5341.14	0.11	ppb
Molybdenum	96-1	5299.87	5291.33	5362.27	5317.82	0.73	ppb
Molybdenum	97-1	5412.06	5444.38	5400.76	5419.07	0.42	ppb
Molybdenum	98-1	5325.01	5409.36	5389.92	5374.76	0.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	465.57	479.02	464.90	469.83	1.70	ppb
Phosphorus	31-2	9407.65	9570.52	9535.04	9504.40	0.90	ppb
Potassium	39-2	122726.06	122776.55	122847.53	122783.38	0.05	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				107		%
Scandium	45-2				96		%
Selenium	82-1	478.01	483.26	469.72	476.99	1.43	ppb
Selenium	77-2	454.63	475.07	483.43	471.05	3.15	ppb
Selenium	78-2	473.13	474.89	469.83	472.62	0.54	ppb
Silicon	28-1	533.96	531.93	527.48	531.12	0.62	ppb
Silver	107-1	489.79	486.31	489.49	488.53	0.39	ppb
Silver	109-1	492.16	481.39	500.40	491.32	1.94	ppb
Sodium	23-2	253185.83	257208.19	254510.96	254968.33	0.80	ppb
Strontium	86-1	11984.25	12259.68	12178.82	12140.92	1.17	ppb
Strontium	88-1	11867.25	12252.18	12084.93	12068.12	1.60	ppb
Sulfur	34-1	9300.67	9157.00	9052.61	9170.10	1.36	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	487.74	482.85	511.75	494.11	3.13	ppb
Thallium	205-1	487.39	482.45	510.00	493.28	2.98	ppb
Tin	118-1	483.98	488.41	500.67	491.02	1.76	ppb
Titanium	47-1	5417.82	5421.48	5337.06	5392.12	0.88	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV11	Instrumnet Name :	P7
Client Sample ID :	CCV11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:17:53	DataFile Name :	143CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	484.28	481.91	521.29	495.82	4.45	ppb
Vanadium	51-2	493.26	493.68	494.64	493.86	0.14	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	4826.98	5061.29	4923.76	4937.34	2.38	ppb
Zirconium	90-1	487.56	504.28	497.21	496.35	1.69	ppb
Zirconium	91-1	477.71	490.42	481.35	483.16	1.35	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB11	Instrumnet Name :	P7
Client Sample ID :	CCB11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:30:17	DataFile Name :	144CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.87	1.23	1.19	1.10	17.96	ppb
Antimony	121-1	0.09	0.11	0.15	0.12	24.22	ppb
Arsenic	75-2	0.01	-0.03	0.01	0.00		ppb
Barium	135-1	0.02	0.03	0.05	0.04	38.48	ppb
Barium	137-1	0.04	0.06	0.10	0.06	48.23	ppb
Beryllium	9-1	0.05	0.07	0.05	0.06	23.56	ppb
Bismuth	209-1				102		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.02	0.02	-0.06	-0.02		ppb
Cadmium	106-1	-2.98	-2.67	-4.64	-3.43		ppb
Cadmium	111-1	-0.20	-0.20	-0.31	-0.24		ppb
Calcium	43-1	2.68	0.20	0.51	1.13	119.96	ppb
Calcium	44-1	-3.63	-3.73	-4.03	-3.80		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.31	-0.24	-0.28	-0.28		ppb
Cobalt	59-2	0.01	0.01	0.02	0.01	63.78	ppb
Copper	63-2	0.15	0.14	0.11	0.13	15.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				108		%
Indium	115-1				101		%
Indium	115-2				104		%
Iron	56-2	4.35	2.72	3.42	3.50	23.35	ppb
Iron	57-2	-2.86	-2.38	-1.05	-2.10		ppb
Iron	54-2	2.24	2.51	3.70	2.82	27.67	ppb
Krypton	83-1						cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB11	Instrumnet Name :	P7
Client Sample ID :	CCB11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:30:17	DataFile Name :	144CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.04	0.06	0.05	29.80	ppb
Lead	207-1	0.05	0.03	0.04	0.04	20.07	ppb
Lead	208-1	0.04	0.03	0.04	0.04	14.30	ppb
Lithium	6-1				109		%
Magnesium	24-2	8.79	8.55	9.34	8.89	4.55	ppb
Manganese	55-2	0.07	0.18	0.20	0.15	49.06	ppb
Molybdenum	94-1	0.14	0.18	0.22	0.18	21.13	ppb
Molybdenum	95-1	0.17	0.16	0.17	0.17	0.92	ppb
Molybdenum	96-1	0.16	0.16	0.16	0.16	2.04	ppb
Molybdenum	97-1	0.15	0.14	0.18	0.16	14.86	ppb
Molybdenum	98-1	0.16	0.16	0.17	0.16	5.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.16	-0.17	-0.21	-0.18		ppb
Phosphorus	31-2	-22.66	-16.82	-19.20	-19.56		ppb
Potassium	39-2	-14.23	-11.25	-13.54	-13.01		ppb
Rhodium	103-1				102		%
Rhodium	103-2				106		%
Scandium	45-1				107		%
Scandium	45-2				100		%
Selenium	82-1	0.35	-0.15	-0.06	0.05	561.26	ppb
Selenium	77-2	-0.13	-0.13	-0.13	-0.13		ppb
Selenium	78-2	-0.56	1.81	0.54	0.60	199.31	ppb
Silicon	28-1	-0.60	-0.70	-0.36	-0.55		ppb
Silver	107-1	0.04	0.02	0.02	0.03	33.07	ppb
Silver	109-1	0.03	0.02	0.02	0.02	5.61	ppb
Sodium	23-2	23.61	23.68	24.21	23.84	1.38	ppb
Strontium	86-1	0.39	0.33	0.43	0.38	12.78	ppb
Strontium	88-1	0.35	0.35	0.39	0.36	6.24	ppb
Sulfur	34-1	-454.59	-625.37	-22.57	-367.51		ppb
Terbium	159-1				100		%
Terbium	159-2				107		%
Thallium	203-1	0.02	0.01	0.01	0.01	43.61	ppb
Thallium	205-1	0.02	0.02	0.01	0.02	18.54	ppb
Tin	118-1	0.01	0.00	0.05	0.02	115.43	ppb
Titanium	47-1	0.18	0.11	0.20	0.16	27.96	ppb

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB11	Instrumnet Name :	P7
Client Sample ID :	CCB11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:30:17	DataFile Name :	144CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	9.14	ppb
Vanadium	51-2	0.01	0.02	0.03	0.02	36.96	ppb
Yttrium	89-1				102		%
Yttrium	89-2				105		%
Zinc	66-2	-0.26	-0.53	-0.31	-0.37		ppb
Zirconium	90-1	0.02	0.02	0.04	0.03	44.09	ppb
Zirconium	91-1	0.01	0.01	0.03	0.02	80.86	ppb

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:38:45	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	293	297	320	303	4.79	cps
Antimony	121-1	40	70	53	54	27.61	cps
Arsenic	75-2	13	7	7	9	43.25	cps
Barium	135-1	80	127	67	91	34.58	cps
Barium	137-1	147	140	113	133	13.23	cps
Beryllium	9-1	33	37	33	34	5.60	cps
Bismuth	209-1	5195528	5299755	5288496	5261260	1.09	cps
Bismuth	209-2	4400739	4444923	4412727	4419463	0.52	cps
Bromine	81-1	7235	7152	7068	7152	1.17	cps
Bromine	81-2	47	83	50	60	33.79	cps
Cadmium	108-1	13	17	13	14	13.35	cps
Cadmium	106-1	2520	2594	2430	2515	3.25	cps
Cadmium	111-1	1785	1864	1709	1786	4.35	cps
Calcium	43-1	420	397	340	386	10.67	cps
Calcium	44-1	12342	12786	12692	12607	1.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1130	1250	1103	1161	6.73	cps
Cobalt	59-2	110	113	113	112	1.71	cps
Copper	63-2	910	857	897	888	3.13	cps
Dysprosium	156-1	67	63	70	67	5.00	cps
Dysprosium	156-2	10	10	13	11	17.30	cps
Erbium	164-1	87	57	50	64	30.31	cps
Erbium	164-2	33	37	33	34	5.60	cps
Gadolinium	160-1	27	37	47	37	27.27	cps
Gadolinium	160-2	227	233	257	239	6.59	cps
Holmium	165-1	9112190	9157903	8958619	9076237	1.15	cps
Holmium	165-2	6081116	6257239	6152068	6163474	1.44	cps
Indium	115-1	7883555	7927585	7881365	7897502	0.33	cps
Indium	115-2	2504925	2494365	2573216	2524169	1.70	cps
Iron	56-2	13690	13143	13062	13298	2.57	cps
Iron	57-2	1567	1430	1543	1513	4.83	cps
Iron	54-2	1497	1450	1457	1468	1.72	cps
Krypton	83-1	193	183	190	189	2.70	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:38:45	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	380	390	383	384	1.32	cps
Lead	207-1	320	333	367	340	7.07	cps
Lead	208-1	1600	1617	1630	1616	0.93	cps
Lithium	6-1	1480950	1485507	1490189	1485549	0.31	cps
Magnesium	24-2	420	373	400	398	5.89	cps
Manganese	55-2	440	413	473	442	6.80	cps
Molybdenum	94-1	240	263	263	256	5.27	cps
Molybdenum	95-1	160	170	160	163	3.53	cps
Molybdenum	96-1	170	233	183	196	17.07	cps
Molybdenum	97-1	133	113	110	119	10.62	cps
Molybdenum	98-1	237	253	217	236	7.79	cps
Neodymium	150-1	10	17	13	13	25.01	cps
Neodymium	150-2	3	7	7	6	34.70	cps
Nickel	60-2	327	293	367	329	11.16	cps
Phosphorus	31-2	143	107	143	131	16.15	cps
Potassium	39-2	47527	47357	46912	47265	0.67	cps
Rhodium	103-1	7546069	7518980	7365198	7476749	1.30	cps
Rhodium	103-2	4188553	4276436	4243153	4236047	1.05	cps
Scandium	45-1	4891222	4806325	4807264	4834937	1.01	cps
Scandium	45-2	356602	357132	356124	356619	0.14	cps
Selenium	82-1	266	291	279	279	4.46	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	193	200	220	204	6.79	cps
Silicon	28-1	304232	304179	306341	304917	0.40	cps
Silver	107-1	43	67	33	48	35.81	cps
Silver	109-1	40	23	23	29	33.32	cps
Sodium	23-2	9947	9496	9663	9702	2.35	cps
Strontium	86-1	353	300	330	328	8.16	cps
Strontium	88-1	360	303	303	322	10.15	cps
Sulfur	34-1	197306	197476	197006	197263	0.12	cps
Terbium	159-1	9381665	9606858	9548837	9512453	1.23	cps
Terbium	159-2	6328844	6197443	6138764	6221684	1.56	cps
Thallium	203-1	40	30	73	48	47.49	cps
Thallium	205-1	113	83	70	89	24.97	cps
Tin	118-1	937	957	967	953	1.60	cps
Titanium	47-1	127	107	127	120	9.62	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:38:45	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	13	13	13	0.00	cps
Vanadium	51-2	3	13	7	8	65.47	cps
Yttrium	89-1	10399535	10522549	10457929	10460004	0.59	cps
Yttrium	89-2	2435079	2453663	2404626	2431123	1.02	cps
Zinc	66-2	1043	870	943	952	9.14	cps
Zirconium	90-1	493	417	473	461	8.62	cps
Zirconium	91-1	110	97	80	96	15.73	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:42:02	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2394	2680	2647	2574	6.09	cps
Antimony	121-1	12135	11922	11948	12002	0.97	cps
Arsenic	75-2	287	343	363	331	12.01	cps
Barium	135-1	13924	14097	14257	14093	1.18	cps
Barium	137-1	23920	25032	24378	24443	2.29	cps
Beryllium	9-1	1253	1363	1173	1263	7.55	cps
Bismuth	209-1	5390141	5416864	5382108	5396371	0.34	cps
Bismuth	209-2	4485714	4451000	4534248	4490321	0.93	cps
Bromine	81-1	7128	6882	6905	6972	1.95	cps
Bromine	81-2	43	37	33	38	13.48	cps
Cadmium	108-1	160	133	150	148	9.11	cps
Cadmium	106-1	2530	2424	2717	2557	5.81	cps
Cadmium	111-1	3136	3127	3530	3264	7.06	cps
Calcium	43-1	9216	9780	9583	9526	3.00	cps
Calcium	44-1	162080	162966	163297	162781	0.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5875	5881	5775	5843	1.02	cps
Cobalt	59-2	3957	3991	3907	3952	1.06	cps
Copper	63-2	5991	5965	5768	5908	2.07	cps
Dysprosium	156-1	80	43	40	54	40.77	cps
Dysprosium	156-2	7	17	7	10	57.72	cps
Erbium	164-1	57	50	90	66	32.69	cps
Erbium	164-2	40	40	67	49	31.50	cps
Gadolinium	160-1	60	43	50	51	16.42	cps
Gadolinium	160-2	303	283	237	274	12.47	cps
Holmium	165-1	9179311	9340126	9395809	9305082	1.21	cps
Holmium	165-2	6208361	6353374	6452330	6338022	1.94	cps
Indium	115-1	7804608	7908207	8075707	7929507	1.73	cps
Indium	115-2	2568392	2529745	2545731	2547956	0.76	cps
Iron	56-2	117236	125660	116144	119680	4.35	cps
Iron	57-2	4361	4291	4304	4318	0.86	cps
Iron	54-2	7492	7502	7412	7469	0.66	cps
Krypton	83-1	193	187	203	194	4.31	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:42:02	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3934	4121	3781	3945	4.32	cps
Lead	207-1	3234	3434	3280	3316	3.16	cps
Lead	208-1	15487	15927	15174	15529	2.44	cps
Lithium	6-1	1480525	1488462	1516910	1495299	1.28	cps
Magnesium	24-2	104670	104620	104804	104698	0.09	cps
Manganese	55-2	2174	2103	2120	2132	1.72	cps
Molybdenum	94-1	12495	12616	12612	12574	0.54	cps
Molybdenum	95-1	15171	15341	15385	15299	0.74	cps
Molybdenum	96-1	16640	16726	17327	16898	2.22	cps
Molybdenum	97-1	9386	9730	9700	9605	1.98	cps
Molybdenum	98-1	24357	24965	24628	24650	1.24	cps
Neodymium	150-1	20	17	27	21	24.12	cps
Neodymium	150-2	3	13	3	7	86.65	cps
Nickel	60-2	1147	1307	1167	1207	7.23	cps
Phosphorus	31-2	383	317	310	337	12.04	cps
Potassium	39-2	175728	175573	175334	175545	0.11	cps
Rhodium	103-1	7480627	7557403	7882600	7640210	2.79	cps
Rhodium	103-2	4293121	4324527	4294472	4304040	0.41	cps
Scandium	45-1	4920203	4870874	5037781	4942953	1.73	cps
Scandium	45-2	368305	368781	364873	367319	0.58	cps
Selenium	82-1	746	803	794	781	3.94	cps
Selenium	77-2	20	73	37	43	62.96	cps
Selenium	78-2	353	397	323	358	10.31	cps
Silicon	28-1	319564	323271	322313	321716	0.60	cps
Silver	107-1	6955	7055	7175	7062	1.56	cps
Silver	109-1	6438	6662	6598	6566	1.75	cps
Sodium	23-2	175944	173496	176173	175204	0.85	cps
Strontium	86-1	2224	2337	2270	2277	2.50	cps
Strontium	88-1	17657	17808	17921	17795	0.74	cps
Sulfur	34-1	197769	198886	200544	199067	0.70	cps
Terbium	159-1	9530773	9306388	9809461	9548874	2.64	cps
Terbium	159-2	6367900	6140229	6395484	6301204	2.22	cps
Thallium	203-1	4424	4301	4541	4422	2.72	cps
Thallium	205-1	10297	10344	10287	10310	0.29	cps
Tin	118-1	24140	24788	25229	24719	2.22	cps
Titanium	47-1	4261	4347	4457	4355	2.26	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:42:02	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12763	12873	12926	12854	0.65	cps
Vanadium	51-2	10070	9803	10103	9992	1.65	cps
Yttrium	89-1	10714131	10675544	11013175	10800950	1.71	cps
Yttrium	89-2	2546829	2439284	2417505	2467873	2.81	cps
Zinc	66-2	3307	3270	3220	3266	1.33	cps
Zirconium	90-1	10484	10611	10377	10490	1.11	cps
Zirconium	91-1	2300	2290	2370	2320	1.88	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:45:21	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	123993	125209	123408	124203	0.74	cps
Antimony	121-1	319505	327938	333054	326832	2.09	cps
Arsenic	75-2	17153	17334	16876	17121	1.35	cps
Barium	135-1	381494	389718	389114	386776	1.19	cps
Barium	137-1	659918	669565	673307	667597	1.03	cps
Beryllium	9-1	63362	64911	65822	64699	1.92	cps
Bismuth	209-1	5524379	5458509	5491996	5491628	0.60	cps
Bismuth	209-2	4573541	4540887	4480657	4531695	1.04	cps
Bromine	81-1	6742	7045	7188	6992	3.26	cps
Bromine	81-2	40	43	40	41	4.68	cps
Cadmium	108-1	6005	5975	6278	6086	2.75	cps
Cadmium	106-1	11274	11368	11335	11326	0.42	cps
Cadmium	111-1	84178	84636	86016	84943	1.13	cps
Calcium	43-1	111725	113044	113132	112633	0.70	cps
Calcium	44-1	1621149	1592053	1614733	1609312	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	127975	126996	125467	126813	1.00	cps
Cobalt	59-2	192709	194063	194559	193777	0.49	cps
Copper	63-2	1307120	1321488	1320196	1316268	0.60	cps
Dysprosium	156-1	43	70	67	60	24.22	cps
Dysprosium	156-2	20	33	33	29	26.64	cps
Erbium	164-1	77	70	83	77	8.69	cps
Erbium	164-2	33	57	27	39	40.51	cps
Gadolinium	160-1	63	63	43	57	20.38	cps
Gadolinium	160-2	253	247	330	277	16.74	cps
Holmium	165-1	9431209	9388451	9380769	9400143	0.29	cps
Holmium	165-2	6492381	6470993	6452578	6471984	0.31	cps
Indium	115-1	8039680	8005807	8135891	8060459	0.84	cps
Indium	115-2	2609621	2617871	2632224	2619905	0.44	cps
Iron	56-2	5324425	5228449	5241529	5264801	0.99	cps
Iron	57-2	140705	141334	139978	140673	0.48	cps
Iron	54-2	310314	310001	305793	308703	0.82	cps
Krypton	83-1	177	187	213	192	9.86	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:45:21	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	942821	968366	958441	956542	1.35	cps
Lead	207-1	828280	847436	837253	837656	1.14	cps
Lead	208-1	4006417	4088599	4027622	4040879	1.06	cps
Lithium	6-1	1581986	1522106	1578365	1560819	2.15	cps
Magnesium	24-2	1142019	1133418	1144567	1140001	0.51	cps
Manganese	55-2	898782	894615	893205	895534	0.32	cps
Molybdenum	94-1	1236987	1243494	1256084	1245521	0.78	cps
Molybdenum	95-1	1782078	1793355	1809368	1794934	0.76	cps
Molybdenum	96-1	1971767	1977840	2042678	1997428	1.97	cps
Molybdenum	97-1	1113869	1123767	1125013	1120883	0.54	cps
Molybdenum	98-1	2869607	2868456	2863444	2867169	0.11	cps
Neodymium	150-1	13	33	27	24	41.66	cps
Neodymium	150-2	13	20	13	16	24.76	cps
Nickel	60-2	50304	50277	50180	50254	0.13	cps
Phosphorus	31-2	7439	7305	7192	7312	1.69	cps
Potassium	39-2	741809	747011	751284	746701	0.64	cps
Rhodium	103-1	7464047	7648111	7622618	7578259	1.32	cps
Rhodium	103-2	4332475	4342966	4266453	4313965	0.96	cps
Scandium	45-1	5005478	4926930	5047506	4993305	1.23	cps
Scandium	45-2	367359	369201	372189	369583	0.66	cps
Selenium	82-1	5797	5855	5666	5773	1.68	cps
Selenium	77-2	437	403	447	429	5.29	cps
Selenium	78-2	1943	1833	1803	1860	3.96	cps
Silicon	28-1	3462187	3470853	3484625	3472555	0.33	cps
Silver	107-1	408838	406123	415960	410307	1.24	cps
Silver	109-1	379170	390154	387278	385534	1.48	cps
Sodium	23-2	1733063	1753075	1709192	1731777	1.27	cps
Strontium	86-1	2712031	2650651	2655030	2672571	1.28	cps
Strontium	88-1	23521167	23094444	23118767	23244793	1.03	cps
Sulfur	34-1	232744	231893	232862	232499	0.23	cps
Terbium	159-1	9707014	9940525	9655753	9767764	1.55	cps
Terbium	159-2	6441638	6345781	6444247	6410555	0.88	cps
Thallium	203-1	237728	241481	241433	240214	0.90	cps
Thallium	205-1	568403	573347	572193	571315	0.45	cps
Tin	118-1	257086	261932	264710	261243	1.48	cps
Titanium	47-1	502051	505272	510946	506090	0.89	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:45:21	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	706852	717579	720102	714844	0.98	cps
Vanadium	51-2	110122	110491	110296	110303	0.17	cps
Yttrium	89-1	10948961	10689612	10765042	10801205	1.24	cps
Yttrium	89-2	2493114	2498493	2518806	2503471	0.54	cps
Zinc	66-2	229228	225019	227014	227087	0.93	cps
Zirconium	90-1	581314	585442	597235	587997	1.41	cps
Zirconium	91-1	131672	131040	134853	132521	1.54	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:48:28	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	319501	322160	323088	321583	0.58	cps
Antimony	121-1	829006	842971	836545	836174	0.84	cps
Arsenic	75-2	42374	43123	43243	42913	1.10	cps
Barium	135-1	985375	992521	993264	990387	0.44	cps
Barium	137-1	1755582	1768136	1797127	1773615	1.20	cps
Beryllium	9-1	166839	169642	167547	168009	0.87	cps
Bismuth	209-1	5507292	5384793	5439695	5443927	1.13	cps
Bismuth	209-2	4604468	4653709	4500574	4586250	1.70	cps
Bromine	81-1	6808	7055	6852	6905	1.91	cps
Bromine	81-2	20	37	27	28	30.20	cps
Cadmium	108-1	15258	15959	15999	15739	2.65	cps
Cadmium	106-1	24654	24678	24521	24618	0.34	cps
Cadmium	111-1	213067	215017	213222	213768	0.51	cps
Calcium	43-1	283186	288072	285091	285450	0.86	cps
Calcium	44-1	4029328	4180902	3998489	4069573	2.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	310166	314989	313147	312767	0.78	cps
Cobalt	59-2	477267	479987	481695	479650	0.47	cps
Copper	63-2	3371631	3321084	3394666	3362460	1.12	cps
Dysprosium	156-1	73	83	77	78	6.55	cps
Dysprosium	156-2	67	87	60	71	19.52	cps
Erbium	164-1	117	103	73	98	22.70	cps
Erbium	164-2	67	80	80	76	10.19	cps
Gadolinium	160-1	73	63	57	64	13.01	cps
Gadolinium	160-2	283	273	307	288	5.94	cps
Holmium	165-1	9526963	9548008	9343691	9472887	1.19	cps
Holmium	165-2	6515828	6569701	6476444	6520658	0.72	cps
Indium	115-1	8243194	8061346	8104043	8136194	1.17	cps
Indium	115-2	2554162	2526499	2535003	2538554	0.56	cps
Iron	56-2	12992636	13018765	13408279	13139894	1.77	cps
Iron	57-2	347511	345283	351641	348145	0.93	cps
Iron	54-2	760198	765997	771247	765814	0.72	cps
Krypton	83-1	240	193	213	216	10.86	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:48:28	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2794781	2695867	2756007	2748885	1.81	cps
Lead	207-1	2441498	2414678	2399690	2418622	0.88	cps
Lead	208-1	10951175	10846602	10850686	10882821	0.54	cps
Lithium	6-1	1617546	1646399	1607025	1623657	1.26	cps
Magnesium	24-2	2713679	2736998	2676644	2709107	1.12	cps
Manganese	55-2	2143069	2179889	2191440	2171466	1.16	cps
Molybdenum	94-1	3111958	3166317	3145537	3141271	0.87	cps
Molybdenum	95-1	4578940	4582955	4634617	4598837	0.68	cps
Molybdenum	96-1	4995681	5055257	5031788	5027575	0.60	cps
Molybdenum	97-1	2861416	2905170	2880618	2882401	0.76	cps
Molybdenum	98-1	7201625	7222283	7306014	7243307	0.76	cps
Neodymium	150-1	47	50	100	66	45.57	cps
Neodymium	150-2	27	10	23	20	44.10	cps
Nickel	60-2	141440	141501	141837	141593	0.15	cps
Phosphorus	31-2	17700	18154	18294	18050	1.72	cps
Potassium	39-2	1662006	1652640	1661024	1658557	0.31	cps
Rhodium	103-1	7778119	7457783	7750065	7661989	2.32	cps
Rhodium	103-2	4395321	4333668	4248364	4325784	1.71	cps
Scandium	45-1	5014630	5049693	5006880	5023734	0.45	cps
Scandium	45-2	363988	360050	364297	362778	0.65	cps
Selenium	82-1	13930	14180	14199	14103	1.07	cps
Selenium	77-2	1210	1090	1180	1160	5.38	cps
Selenium	78-2	4201	4217	4127	4182	1.15	cps
Silicon	28-1	8079485	8251775	8138346	8156535	1.07	cps
Silver	107-1	1025917	1039546	1033343	1032935	0.66	cps
Silver	109-1	965284	990689	988539	981504	1.44	cps
Sodium	23-2	4290191	4254526	4149849	4231522	1.72	cps
Strontium	86-1	6726859	6804141	6674689	6735230	0.97	cps
Strontium	88-1	59490609	58975349	57965662	58810540	1.32	cps
Sulfur	34-1	273563	271231	271289	272028	0.49	cps
Terbium	159-1	9955171	9747310	9849288	9850589	1.06	cps
Terbium	159-2	6528669	6441206	6391240	6453705	1.08	cps
Thallium	203-1	619383	612691	619146	617074	0.62	cps
Thallium	205-1	1465892	1458330	1461765	1461995	0.26	cps
Tin	118-1	662311	670239	661196	664582	0.74	cps
Titanium	47-1	1276723	1261573	1255335	1264544	0.87	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:48:28	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2020338	2107179	2026683	2051400	2.36	cps
Vanadium	51-2	275501	273705	275195	274800	0.35	cps
Yttrium	89-1	11070395	10849438	10811062	10910298	1.28	cps
Yttrium	89-2	2545019	2435209	2428884	2469704	2.64	cps
Zinc	66-2	555159	561970	554709	557279	0.73	cps
Zirconium	90-1	1463848	1473229	1513786	1483621	1.79	cps
Zirconium	91-1	333579	334262	338418	335420	0.78	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:51:26	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	588824	595354	591201	591793	0.56	cps
Antimony	121-1	1674335	1673638	1664032	1670668	0.34	cps
Arsenic	75-2	81378	81576	82853	81935	0.98	cps
Barium	135-1	2056251	2055950	2034396	2048866	0.61	cps
Barium	137-1	3482730	3552045	3465466	3500081	1.31	cps
Beryllium	9-1	327284	335048	338925	333752	1.78	cps
Bismuth	209-1	5489727	5429164	5674933	5531275	2.31	cps
Bismuth	209-2	4530419	4499180	4522115	4517238	0.36	cps
Bromine	81-1	7285	6745	7148	7060	3.98	cps
Bromine	81-2	37	40	43	40	8.32	cps
Cadmium	108-1	29323	30272	30242	29945	1.80	cps
Cadmium	106-1	45371	45638	45287	45432	0.40	cps
Cadmium	111-1	408559	414292	415333	412728	0.88	cps
Calcium	43-1	546950	561118	560429	556166	1.44	cps
Calcium	44-1	7705071	8072570	8031343	7936328	2.54	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	593682	601616	605538	600278	1.01	cps
Cobalt	59-2	914268	914504	922950	917241	0.54	cps
Copper	63-2	6415377	6433986	6389886	6413083	0.35	cps
Dysprosium	156-1	130	113	53	99	40.78	cps
Dysprosium	156-2	137	120	123	127	6.96	cps
Erbium	164-1	117	107	137	120	12.73	cps
Erbium	164-2	93	77	67	79	17.07	cps
Gadolinium	160-1	73	83	87	81	8.56	cps
Gadolinium	160-2	337	223	317	292	20.70	cps
Holmium	165-1	9630608	9369445	9723445	9574500	1.92	cps
Holmium	165-2	6428882	6408561	6543832	6460425	1.13	cps
Indium	115-1	8036456	8084997	7940479	8020644	0.92	cps
Indium	115-2	2512484	2521307	2532076	2521956	0.39	cps
Iron	56-2	25257827	25182767	25598010	25346202	0.87	cps
Iron	57-2	668110	663267	670532	667303	0.55	cps
Iron	54-2	1411441	1414424	1424951	1416939	0.50	cps
Krypton	83-1	210	183	183	192	8.01	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:51:26	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5336638	5403044	5504419	5414700	1.56	cps
Lead	207-1	4830745	4896081	4863360	4863395	0.67	cps
Lead	208-1	21307633	21965464	22029105	21767401	1.84	cps
Lithium	6-1	1649399	1630692	1679441	1653177	1.49	cps
Magnesium	24-2	5211798	5238357	5187997	5212717	0.48	cps
Manganese	55-2	4189299	4191559	4253049	4211302	0.86	cps
Molybdenum	94-1	6122643	6219019	6190551	6177404	0.80	cps
Molybdenum	95-1	8805970	8849698	8931484	8862384	0.72	cps
Molybdenum	96-1	9576648	9825093	9718267	9706669	1.28	cps
Molybdenum	97-1	5471022	5521145	5535718	5509295	0.62	cps
Molybdenum	98-1	14088359	14348443	14324400	14253734	1.01	cps
Neodymium	150-1	140	130	93	121	20.29	cps
Neodymium	150-2	30	27	53	37	39.62	cps
Nickel	60-2	269080	272995	268560	270212	0.90	cps
Phosphorus	31-2	34950	35013	34813	34925	0.29	cps
Potassium	39-2	3158797	3244422	3118900	3174040	2.02	cps
Rhodium	103-1	7412429	7563544	7479012	7484995	1.01	cps
Rhodium	103-2	4126672	4196062	4156235	4159656	0.84	cps
Scandium	45-1	4976371	5134295	5009598	5040088	1.65	cps
Scandium	45-2	351889	353751	352311	352650	0.28	cps
Selenium	82-1	27040	28000	27439	27493	1.76	cps
Selenium	77-2	2297	2320	2444	2354	3.35	cps
Selenium	78-2	7782	7735	7725	7748	0.39	cps
Silicon	28-1	16008172	16393667	16202086	16201309	1.19	cps
Silver	107-1	2000619	2109900	2093425	2067981	2.85	cps
Silver	109-1	1914352	1954801	1961995	1943716	1.32	cps
Sodium	23-2	8226121	8276329	8191017	8231156	0.52	cps
Strontium	86-1	12836414	13142592	12914049	12964352	1.23	cps
Strontium	88-1	112739198	114916242	114182345	113945928	0.97	cps
Sulfur	34-1	343478	340369	338309	340719	0.76	cps
Terbium	159-1	10082160	10057581	9699184	9946308	2.16	cps
Terbium	159-2	6441112	6541531	6381138	6454594	1.26	cps
Thallium	203-1	1217642	1227340	1234278	1226420	0.68	cps
Thallium	205-1	3219526	3266235	3214790	3233517	0.88	cps
Tin	118-1	1290720	1306134	1306760	1301205	0.70	cps
Titanium	47-1	2426341	2503882	2452056	2460760	1.61	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:51:26	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	4032504	4155077	4128185	4105255	1.57	cps
Vanadium	51-2	527566	533854	533889	531769	0.68	cps
Yttrium	89-1	10659144	10604190	10496320	10586551	0.78	cps
Yttrium	89-2	2404480	2390052	2375756	2390096	0.60	cps
Zinc	66-2	1074834	1087200	1070077	1077370	0.82	cps
Zirconium	90-1	2937875	2945364	2927975	2937072	0.30	cps
Zirconium	91-1	646769	666368	653039	655392	1.53	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:54:16	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1171261	1138158	1147443	1152288	1.48	cps
Antimony	121-1	3296932	3401073	3392693	3363566	1.72	cps
Arsenic	75-2	163048	160541	162775	162121	0.85	cps
Barium	135-1	3960583	4130922	4113381	4068295	2.30	cps
Barium	137-1	6939831	6950242	6964189	6951421	0.18	cps
Beryllium	9-1	656405	671281	676877	668188	1.58	cps
Bismuth	209-1	5622299	5434658	5579697	5545552	1.77	cps
Bismuth	209-2	4467545	4470896	4448877	4462440	0.27	cps
Bromine	81-1	7272	6878	6908	7020	3.12	cps
Bromine	81-2	47	30	40	39	21.57	cps
Cadmium	108-1	58343	59639	60191	59391	1.60	cps
Cadmium	106-1	87689	87559	88092	87780	0.32	cps
Cadmium	111-1	792537	822070	823312	812640	2.14	cps
Calcium	43-1	1090816	1126481	1128355	1115218	1.90	cps
Calcium	44-1	15310413	15919651	15853542	15694535	2.13	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1177865	1191930	1170929	1180242	0.91	cps
Cobalt	59-2	1834542	1816537	1820351	1823810	0.52	cps
Copper	63-2	12659233	12214415	12404215	12425955	1.80	cps
Dysprosium	156-1	123	140	143	136	7.91	cps
Dysprosium	156-2	227	227	263	239	8.86	cps
Erbium	164-1	173	187	157	172	8.73	cps
Erbium	164-2	80	90	93	88	7.90	cps
Gadolinium	160-1	103	87	97	96	8.78	cps
Gadolinium	160-2	313	287	297	299	4.51	cps
Holmium	165-1	9568882	9789270	9707909	9688687	1.15	cps
Holmium	165-2	6660193	6527457	6424593	6537414	1.81	cps
Indium	115-1	7847763	7949767	8054895	7950808	1.30	cps
Indium	115-2	2453796	2501683	2495720	2483733	1.05	cps
Iron	56-2	50870706	50602709	50121569	50531661	0.75	cps
Iron	57-2	1323272	1314952	1320222	1319482	0.32	cps
Iron	54-2	2728771	2784907	2729653	2747777	1.17	cps
Krypton	83-1	190	217	200	202	6.66	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:54:16	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10580800	10828732	10809786	10739773	1.28	cps
Lead	207-1	9215537	9670431	9583289	9489752	2.54	cps
Lead	208-1	42195570	43223846	43309456	42909624	1.44	cps
Lithium	6-1	1686276	1696830	1697044	1693383	0.36	cps
Magnesium	24-2	10391791	10233618	10272553	10299321	0.80	cps
Manganese	55-2	8377421	8364343	8249040	8330268	0.85	cps
Molybdenum	94-1	12049773	12164971	12472924	12229222	1.79	cps
Molybdenum	95-1	17045091	18080923	17894307	17673440	3.12	cps
Molybdenum	96-1	19170824	19495929	19176946	19281233	0.96	cps
Molybdenum	97-1	10717939	11243959	11259174	11073691	2.78	cps
Molybdenum	98-1	27219583	29211255	29124860	28518566	3.95	cps
Neodymium	150-1	183	250	240	224	16.02	cps
Neodymium	150-2	97	63	50	70	34.34	cps
Nickel	60-2	460721	463030	462277	462010	0.25	cps
Phosphorus	31-2	68522	66714	66949	67395	1.46	cps
Potassium	39-2	6180857	6167198	5928085	6092046	2.33	cps
Rhodium	103-1	7422675	7344705	7417763	7395048	0.59	cps
Rhodium	103-2	4084055	4194711	4019261	4099342	2.16	cps
Scandium	45-1	4927631	4852347	4927561	4902513	0.89	cps
Scandium	45-2	348859	347535	343031	346475	0.88	cps
Selenium	82-1	52561	54048	54504	53704	1.89	cps
Selenium	77-2	4614	4387	4451	4484	2.61	cps
Selenium	78-2	15241	14691	15084	15005	1.89	cps
Silicon	28-1	31459401	32518121	31913353	31963625	1.66	cps
Silver	107-1	3927583	4083496	4094385	4035155	2.31	cps
Silver	109-1	3853560	3813681	3798693	3821978	0.74	cps
Sodium	23-2	16439898	16028055	16323597	16263850	1.31	cps
Strontium	86-1	25648655	26632675	26369244	26216858	1.94	cps
Strontium	88-1	221778890	234023543	228595170	228132534	2.69	cps
Sulfur	34-1	483886	491305	488616	487936	0.77	cps
Terbium	159-1	9749638	10069448	10175707	9998264	2.22	cps
Terbium	159-2	6482853	6445506	6605730	6511363	1.29	cps
Thallium	203-1	2741556	2805087	2743259	2763301	1.31	cps
Thallium	205-1	6286395	6379100	6548982	6404826	2.08	cps
Tin	118-1	2612070	2692875	2704361	2669769	1.88	cps
Titanium	47-1	4805375	4955130	4913108	4891204	1.58	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:54:16	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7966242	8108716	8143646	8072868	1.16	cps
Vanadium	51-2	1044750	1046707	1039788	1043748	0.34	cps
Yttrium	89-1	10919243	10785077	10539340	10747887	1.79	cps
Yttrium	89-2	2364491	2433726	2390313	2396177	1.46	cps
Zinc	66-2	2170648	2105539	2174087	2150091	1.80	cps
Zirconium	90-1	5723478	5806902	5936129	5822170	1.84	cps
Zirconium	91-1	1284066	1320189	1329299	1311185	1.82	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:57:06	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2268977	2277842	2251872	2266230	0.58	cps
Antimony	121-1	6755130	6942828	6828522	6842160	1.38	cps
Arsenic	75-2	328825	325672	324944	326480	0.63	cps
Barium	135-1	8248504	8326589	8237817	8270970	0.59	cps
Barium	137-1	13835019	14415259	14087478	14112585	2.06	cps
Beryllium	9-1	1195506	1237798	1224565	1219290	1.77	cps
Bismuth	209-1	5394699	5550144	5519217	5488020	1.50	cps
Bismuth	209-2	4484674	4526194	4488108	4499658	0.51	cps
Bromine	81-1	7048	7469	7175	7231	2.98	cps
Bromine	81-2	33	57	43	44	26.35	cps
Cadmium	108-1	116460	118298	117408	117389	0.78	cps
Cadmium	106-1	169068	169922	171810	170267	0.82	cps
Cadmium	111-1	1607518	1662293	1652912	1640908	1.79	cps
Calcium	43-1	2119135	2130563	2145327	2131675	0.62	cps
Calcium	44-1	31869825	32592505	31990390	32150906	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2353194	2294486	2321862	2323181	1.26	cps
Cobalt	59-2	3591933	3611680	3556158	3586591	0.78	cps
Copper	63-2	24666460	24107375	24025274	24266370	1.44	cps
Dysprosium	156-1	227	267	210	234	12.42	cps
Dysprosium	156-2	403	317	397	372	12.96	cps
Erbium	164-1	193	237	187	206	13.21	cps
Erbium	164-2	150	123	133	136	9.94	cps
Gadolinium	160-1	167	137	163	156	10.57	cps
Gadolinium	160-2	390	363	397	383	4.60	cps
Holmium	165-1	9664998	9771751	9678056	9704935	0.60	cps
Holmium	165-2	6750208	6582701	6661108	6664672	1.26	cps
Indium	115-1	7868498	7842694	8004395	7905196	1.10	cps
Indium	115-2	2489935	2508387	2490707	2496343	0.42	cps
Iron	56-2	99360442	99999779	98871115	99410445	0.57	cps
Iron	57-2	2488509	2491484	2489797	2489930	0.06	cps
Iron	54-2	5542689	5563759	5495955	5534134	0.63	cps
Krypton	83-1	183	193	223	200	10.41	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:57:06	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	21082223	21595654	21249147	21309008	1.23	cps
Lead	207-1	18917009	19262870	19203831	19127903	0.97	cps
Lead	208-1	84624946	87049388	86360731	86011688	1.45	cps
Lithium	6-1	1649142	1679237	1671566	1666648	0.94	cps
Magnesium	24-2	20505755	20797428	20659686	20654290	0.71	cps
Manganese	55-2	16733268	16357456	16608647	16566457	1.16	cps
Molybdenum	94-1	24659002	24931497	25166301	24918934	1.02	cps
Molybdenum	95-1	36182597	36396702	36222800	36267366	0.31	cps
Molybdenum	96-1	39302699	39432981	39422363	39386014	0.18	cps
Molybdenum	97-1	22344724	22134421	22165932	22215026	0.51	cps
Molybdenum	98-1	56920956	57692409	58602047	57738471	1.46	cps
Neodymium	150-1	393	420	387	400	4.41	cps
Neodymium	150-2	107	130	100	112	14.04	cps
Nickel	60-2	911157	898070	898158	902461	0.83	cps
Phosphorus	31-2	138040	135984	135029	136351	1.13	cps
Potassium	39-2	12455423	12227108	12260054	12314195	1.00	cps
Rhodium	103-1	7303317	7360303	7379409	7347676	0.54	cps
Rhodium	103-2	4177956	4142059	4115145	4145053	0.76	cps
Scandium	45-1	5084868	5041691	4956500	5027686	1.30	cps
Scandium	45-2	353380	353397	352010	352929	0.23	cps
Selenium	82-1	106531	107167	107279	106993	0.38	cps
Selenium	77-2	8873	8813	8833	8839	0.35	cps
Selenium	78-2	29553	29162	30000	29572	1.42	cps
Silicon	28-1	62215329	61859327	61630031	61901562	0.48	cps
Silver	107-1	8010379	7918678	7975114	7968057	0.58	cps
Silver	109-1	7589089	7554143	7569759	7570997	0.23	cps
Sodium	23-2	32715705	33018537	32966122	32900121	0.49	cps
Strontium	86-1	52032644	53764044	52438033	52744907	1.72	cps
Strontium	88-1	463050233	460250060	456299753	459866682	0.74	cps
Sulfur	34-1	776047	787090	785431	782856	0.76	cps
Terbium	159-1	9846020	10019182	9972521	9945908	0.90	cps
Terbium	159-2	6667112	6613090	6581996	6620733	0.65	cps
Thallium	203-1	5385265	5579731	5451066	5472021	1.81	cps
Thallium	205-1	12812536	13010540	13060120	12961065	1.01	cps
Tin	118-1	5223711	5343186	5319430	5295442	1.19	cps
Titanium	47-1	9567537	10043497	9836700	9815911	2.43	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:57:06	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16315910	17194376	17189277	16899854	2.99	cps
Vanadium	51-2	2060613	2097375	2016599	2058196	1.96	cps
Yttrium	89-1	11069792	10795136	10929937	10931621	1.26	cps
Yttrium	89-2	2444778	2427254	2449848	2440627	0.49	cps
Zinc	66-2	4211333	4145080	4078432	4144948	1.60	cps
Zirconium	90-1	11771814	11744108	11800742	11772222	0.24	cps
Zirconium	91-1	2596190	2660024	2666356	2640856	1.47	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:59:52	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11358882	11073653	11449319	11293952	1.74	cps
Antimony	121-1	4928	5181	5411	5173	4.67	cps
Arsenic	75-2	187	227	153	189	19.44	cps
Barium	135-1	3007	3340	3157	3168	5.27	cps
Barium	137-1	5658	5908	5478	5681	3.80	cps
Beryllium	9-1	220	220	227	222	1.73	cps
Bismuth	209-1	4980270	4892589	4808800	4893886	1.75	cps
Bismuth	209-2	4150058	4039838	4045957	4078618	1.52	cps
Bromine	81-1	7709	7932	8039	7893	2.13	cps
Bromine	81-2	87	80	73	80	8.34	cps
Cadmium	108-1	83	80	73	79	6.45	cps
Cadmium	106-1	2390	2480	2440	2437	1.85	cps
Cadmium	111-1	1962	2047	2047	2018	2.44	cps
Calcium	43-1	8910809	8921629	8785009	8872482	0.86	cps
Calcium	44-1	142578505	143752855	141222388	142517916	0.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10597	10767	11004	10790	1.89	cps
Cobalt	59-2	8806	8943	9240	8996	2.46	cps
Copper	63-2	6085	6151	6131	6122	0.56	cps
Dysprosium	156-1	277	283	243	268	8.00	cps
Dysprosium	156-2	230	163	223	206	17.86	cps
Erbium	164-1	257	247	283	262	7.23	cps
Erbium	164-2	153	163	150	156	4.46	cps
Gadolinium	160-1	250	240	260	250	4.00	cps
Gadolinium	160-2	397	420	360	392	7.71	cps
Holmium	165-1	9384219	9567186	9269898	9407101	1.59	cps
Holmium	165-2	6469830	6241931	6391462	6367741	1.82	cps
Indium	115-1	7480162	7292411	7377885	7383486	1.27	cps
Indium	115-2	2352434	2384568	2392730	2376577	0.90	cps
Iron	56-2	465065993	463504406	474796540	467788980	1.31	cps
Iron	57-2	11646372	11669664	11763524	11693187	0.53	cps
Iron	54-2	25136165	25858037	25160066	25384756	1.62	cps
Krypton	83-1	227	193	237	219	10.36	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:59:52	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6929	7205	7129	7087	2.02	cps
Lead	207-1	6121	6185	6128	6145	0.57	cps
Lead	208-1	28032	28625	28132	28263	1.12	cps
Lithium	6-1	1619025	1658849	1602332	1626735	1.78	cps
Magnesium	24-2	100770682	100305889	100794645	100623739	0.27	cps
Manganese	55-2	8903	9383	9420	9235	3.12	cps
Molybdenum	94-1	7212	7592	6805	7203	5.46	cps
Molybdenum	95-1	7619	7689	7725	7678	0.71	cps
Molybdenum	96-1	15178	14831	14694	14901	1.67	cps
Molybdenum	97-1	4764	4587	4634	4662	1.96	cps
Molybdenum	98-1	12289	11691	11254	11745	4.42	cps
Neodymium	150-1	100	97	107	101	5.04	cps
Neodymium	150-2	70	83	90	81	12.55	cps
Nickel	60-2	4381	4547	4687	4539	3.38	cps
Phosphorus	31-2	170	173	160	168	4.14	cps
Potassium	39-2	59150091	59278271	58961571	59129977	0.27	cps
Rhodium	103-1	6622325	6548057	6610675	6593686	0.61	cps
Rhodium	103-2	3722979	3754630	3715294	3730968	0.56	cps
Scandium	45-1	4890101	4924267	4830177	4881515	0.98	cps
Scandium	45-2	346803	349956	352287	349682	0.79	cps
Selenium	82-1	447	399	451	433	6.68	cps
Selenium	77-2	7	3	13	8	65.47	cps
Selenium	78-2	260	210	203	224	13.80	cps
Silicon	28-1	457765	453421	431770	447652	3.11	cps
Silver	107-1	1043	1093	977	1038	5.64	cps
Silver	109-1	1137	980	853	990	14.34	cps
Sodium	23-2	156752488	154295848	157969908	156339414	1.20	cps
Strontium	86-1	9647	9370	9156	9391	2.62	cps
Strontium	88-1	83630	78431	77429	79830	4.17	cps
Sulfur	34-1	179315	186135	187529	184326	2.38	cps
Terbium	159-1	9577941	9778235	9444850	9600342	1.75	cps
Terbium	159-2	6304791	6212446	6254487	6257241	0.74	cps
Thallium	203-1	710	503	517	577	20.06	cps
Thallium	205-1	1523	1273	1123	1307	15.47	cps
Tin	118-1	4684	4901	5388	4991	7.22	cps
Titanium	47-1	1983	1923	1960	1956	1.55	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 14:59:52	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1257	1137	1177	1190	5.13	cps
Vanadium	51-2	693	703	723	707	2.16	cps
Yttrium	89-1	10429400	10470758	10182832	10360997	1.50	cps
Yttrium	89-2	2370816	2394992	2341652	2369153	1.13	cps
Zinc	66-2	2697	2694	2834	2741	2.91	cps
Zirconium	90-1	6745	6485	6542	6590	2.08	cps
Zirconium	91-1	1443	1477	1450	1457	1.21	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 16:38:00	DataFile Name :	018ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58545	57822	58177	58181	0.62	cps
Antimony	121-1	1223401	1247531	1264731	1245221	1.67	cps
Arsenic	75-2	64925	64570	62966	64154	1.63	cps
Barium	135-1	146159	150142	149846	148716	1.49	cps
Barium	137-1	252684	260058	262195	258313	1.93	cps
Beryllium	9-1	124500	125022	126480	125334	0.82	cps
Bismuth	209-1	5663486	5544483	5683799	5630589	1.34	cps
Bismuth	209-2	4652772	4670421	4536017	4619737	1.58	cps
Bromine	81-1	7595	7339	7412	7449	1.78	cps
Bromine	81-2	60	60	70	63	9.12	cps
Cadmium	108-1	16746	17230	16213	16730	3.04	cps
Cadmium	106-1	28201	27773	27439	27804	1.37	cps
Cadmium	111-1	165078	167118	168085	166760	0.92	cps
Calcium	43-1	42877	43489	43094	43153	0.72	cps
Calcium	44-1	653900	665377	665944	661741	1.03	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	236696	235690	233070	235152	0.80	cps
Cobalt	59-2	367335	366330	360750	364805	0.97	cps
Copper	63-2	255468	250772	249853	252031	1.19	cps
Dysprosium	156-1	23	40	50	38	35.67	cps
Dysprosium	156-2	17	10	17	14	26.66	cps
Erbium	164-1	73	97	77	82	15.35	cps
Erbium	164-2	30	63	50	48	35.11	cps
Gadolinium	160-1	30	57	40	42	31.91	cps
Gadolinium	160-2	337	213	253	268	23.50	cps
Holmium	165-1	9584800	9606227	9401395	9530807	1.18	cps
Holmium	165-2	6483193	6486948	6292429	6420857	1.73	cps
Indium	115-1	8219662	8112481	8183522	8171888	0.67	cps
Indium	115-2	2599292	2471879	2533306	2534826	2.51	cps
Iron	56-2	3895495	3886586	3874472	3885518	0.27	cps
Iron	57-2	102748	104027	104366	103714	0.82	cps
Iron	54-2	236841	235633	233536	235337	0.71	cps
Krypton	83-1	210	213	197	207	4.27	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 16:38:00	DataFile Name :	018ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	798062	815601	805176	806280	1.09	cps
Lead	207-1	680191	691996	685004	685731	0.87	cps
Lead	208-1	3287757	3318530	3368452	3324913	1.22	cps
Lithium	6-1	1528834	1609028	1631207	1589690	3.39	cps
Magnesium	24-2	238489	242430	239726	240215	0.84	cps
Manganese	55-2	171493	169729	167521	169581	1.17	cps
Molybdenum	94-1	10784369	11514639	10969320	11089443	3.42	cps
Molybdenum	95-1	15738054	16308115	15912510	15986226	1.83	cps
Molybdenum	96-1	17233141	17259630	16970992	17154588	0.93	cps
Molybdenum	97-1	9502532	9989065	9845148	9778915	2.56	cps
Molybdenum	98-1	24932333	25675989	25204579	25270967	1.49	cps
Neodymium	150-1	17	23	20	20	16.65	cps
Neodymium	150-2	3	13	10	9	57.30	cps
Nickel	60-2	102829	100058	100390	101092	1.50	cps
Phosphorus	31-2	140	147	130	139	6.04	cps
Potassium	39-2	558316	555383	552508	555402	0.52	cps
Rhodium	103-1	7712326	7948324	7657094	7772581	1.99	cps
Rhodium	103-2	4270681	4280085	4297560	4282775	0.32	cps
Scandium	45-1	5063048	5059909	5058676	5060544	0.04	cps
Scandium	45-2	366842	362681	358448	362657	1.16	cps
Selenium	82-1	21306	21531	21538	21458	0.62	cps
Selenium	77-2	1713	1820	1803	1779	3.23	cps
Selenium	78-2	5941	6165	6128	6078	1.97	cps
Silicon	28-1	2155971	2161637	2274839	2197482	3.05	cps
Silver	107-1	380430	384202	382611	382415	0.50	cps
Silver	109-1	355143	360257	362519	359307	1.05	cps
Sodium	23-2	684225	682554	675791	680857	0.66	cps
Strontium	86-1	1043656	1059214	1051705	1051525	0.74	cps
Strontium	88-1	9302643	9226032	9137493	9222056	0.90	cps
Sulfur	34-1	199865	197914	196284	198021	0.91	cps
Terbium	159-1	9913993	9590860	9763890	9756247	1.66	cps
Terbium	159-2	6443572	6333182	6366642	6381132	0.89	cps
Thallium	203-1	1030566	1038287	1032060	1033638	0.40	cps
Thallium	205-1	2697663	2735957	2711439	2715019	0.71	cps
Tin	118-1	2658035	2715006	2747820	2706954	1.68	cps
Titanium	47-1	4258192	4392703	4374682	4341859	1.68	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 16:38:00	DataFile Name :	018ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8193070	8540476	8442759	8392101	2.13	cps
Vanadium	51-2	203650	201217	200332	201733	0.85	cps
Yttrium	89-1	11159811	10777659	10900283	10945918	1.78	cps
Yttrium	89-2	2493831	2431672	2439888	2455130	1.38	cps
Zinc	66-2	88011	87950	86385	87448	1.05	cps
Zirconium	90-1	5445658	5701798	5527235	5558230	2.35	cps
Zirconium	91-1	1238646	1279376	1258728	1258916	1.62	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P7
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:02:10	DataFile Name :	022LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2697	2500	2704	2634	4.39	cps
Antimony	121-1	12819	12863	12606	12762	1.08	cps
Arsenic	75-2	263	363	390	339	19.70	cps
Barium	135-1	15141	15395	14761	15099	2.11	cps
Barium	137-1	26050	26141	26157	26116	0.22	cps
Beryllium	9-1	1283	1363	1290	1312	3.38	cps
Bismuth	209-1	5499800	5570519	5527251	5532523	0.64	cps
Bismuth	209-2	4581845	4593250	4610690	4595262	0.32	cps
Bromine	81-1	7782	7652	7762	7732	0.91	cps
Bromine	81-2	63	43	87	64	33.66	cps
Cadmium	108-1	117	170	140	142	18.80	cps
Cadmium	106-1	2570	2530	2390	2497	3.79	cps
Cadmium	111-1	3178	3336	3182	3232	2.79	cps
Calcium	43-1	10480	10357	10434	10424	0.60	cps
Calcium	44-1	172756	174042	173789	173529	0.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5438	5548	5841	5609	3.72	cps
Cobalt	59-2	4184	4001	4194	4126	2.64	cps
Copper	63-2	6018	6285	5988	6097	2.68	cps
Dysprosium	156-1	37	33	23	31	22.31	cps
Dysprosium	156-2	7	7	17	10	57.72	cps
Erbium	164-1	43	117	67	76	49.59	cps
Erbium	164-2	47	40	53	47	14.28	cps
Gadolinium	160-1	40	50	50	47	12.37	cps
Gadolinium	160-2	283	263	260	269	4.69	cps
Holmium	165-1	9365537	9349544	9334103	9349728	0.17	cps
Holmium	165-2	6543470	6286882	6462567	6430973	2.04	cps
Indium	115-1	8214713	8093978	7970558	8093083	1.51	cps
Indium	115-2	2607087	2593782	2592997	2597955	0.30	cps
Iron	56-2	121748	121825	119107	120893	1.28	cps
Iron	57-2	4181	4384	4744	4436	6.43	cps
Iron	54-2	7675	7785	7649	7703	0.94	cps
Krypton	83-1	213	210	167	197	13.24	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P7
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:02:10	DataFile Name :	022LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4004	3901	3751	3885	3.28	cps
Lead	207-1	3527	3420	3364	3437	2.41	cps
Lead	208-1	16177	15897	15657	15911	1.64	cps
Lithium	6-1	1512270	1535691	1556359	1534773	1.44	cps
Magnesium	24-2	112159	112505	112729	112464	0.26	cps
Manganese	55-2	2107	2094	2037	2079	1.79	cps
Molybdenum	94-1	13246	13663	14057	13655	2.97	cps
Molybdenum	95-1	16583	16446	16436	16488	0.50	cps
Molybdenum	96-1	18065	18525	18559	18383	1.50	cps
Molybdenum	97-1	10167	10167	9957	10097	1.20	cps
Molybdenum	98-1	26517	26163	26294	26325	0.68	cps
Neodymium	150-1	13	10	20	14	35.26	cps
Neodymium	150-2	0	3	7	3	100.05	cps
Nickel	60-2	1247	1107	1143	1166	6.23	cps
Phosphorus	31-2	407	337	340	361	10.94	cps
Potassium	39-2	185589	186012	187259	186287	0.47	cps
Rhodium	103-1	7795121	7769715	7647462	7737433	1.02	cps
Rhodium	103-2	4389145	4412146	4428305	4409865	0.45	cps
Scandium	45-1	5025603	5010341	5075226	5037057	0.67	cps
Scandium	45-2	369809	370199	373130	371046	0.49	cps
Selenium	82-1	803	857	895	852	5.45	cps
Selenium	77-2	37	33	67	46	40.30	cps
Selenium	78-2	303	367	417	362	15.68	cps
Silicon	28-1	328211	327480	328201	327964	0.13	cps
Silver	107-1	7599	7946	8142	7896	3.49	cps
Silver	109-1	7345	7225	7379	7316	1.10	cps
Sodium	23-2	190692	188813	190694	190067	0.57	cps
Strontium	86-1	2557	2524	2560	2547	0.80	cps
Strontium	88-1	19390	19416	19546	19451	0.43	cps
Sulfur	34-1	213161	213635	212523	213107	0.26	cps
Terbium	159-1	9832858	9468039	9946665	9749187	2.56	cps
Terbium	159-2	6434521	6409942	6393794	6412752	0.32	cps
Thallium	203-1	4551	4804	4621	4659	2.81	cps
Thallium	205-1	11088	11011	11221	11107	0.96	cps
Tin	118-1	26304	25927	26194	26142	0.74	cps
Titanium	47-1	4801	4824	4714	4780	1.21	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P7
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:02:10	DataFile Name :	022LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13464	13897	13994	13785	2.05	cps
Vanadium	51-2	11214	11118	11011	11114	0.92	cps
Yttrium	89-1	10883117	10954406	10809024	10882183	0.67	cps
Yttrium	89-2	2560425	2509334	2520126	2529962	1.06	cps
Zinc	66-2	3054	3040	3040	3045	0.25	cps
Zirconium	90-1	11481	11558	11721	11587	1.06	cps
Zirconium	91-1	2444	2597	2580	2540	3.31	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:05:27	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	177	233	197	202	14.21	cps
Antimony	121-1	100	110	140	117	17.84	cps
Arsenic	75-2	7	7	10	8	24.71	cps
Barium	135-1	37	57	120	71	61.17	cps
Barium	137-1	130	87	107	108	20.12	cps
Beryllium	9-1	17	30	40	29	40.51	cps
Bismuth	209-1	5545337	5514264	5555992	5538531	0.39	cps
Bismuth	209-2	4669193	4604946	4647320	4640486	0.70	cps
Bromine	81-1	7762	7685	7489	7645	1.85	cps
Bromine	81-2	73	67	73	71	5.41	cps
Cadmium	108-1	0	10	10	7	86.60	cps
Cadmium	106-1	2397	2587	2377	2454	4.72	cps
Cadmium	111-1	1698	1827	1673	1733	4.77	cps
Calcium	43-1	330	320	343	331	3.53	cps
Calcium	44-1	10938	10621	10998	10852	1.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	510	570	603	561	8.43	cps
Cobalt	59-2	90	93	63	82	20.00	cps
Copper	63-2	760	797	747	768	3.37	cps
Dysprosium	156-1	23	33	43	33	30.00	cps
Dysprosium	156-2	10	3	17	10	66.70	cps
Erbium	164-1	63	97	63	74	25.86	cps
Erbium	164-2	43	37	70	50	35.28	cps
Gadolinium	160-1	50	60	47	52	13.28	cps
Gadolinium	160-2	350	323	247	307	17.49	cps
Holmium	165-1	9385725	9578090	9487560	9483791	1.01	cps
Holmium	165-2	6661051	6434010	6425127	6506729	2.06	cps
Indium	115-1	8270423	8090635	8145170	8168743	1.13	cps
Indium	115-2	2670400	2691957	2515268	2625875	3.67	cps
Iron	56-2	9960	9887	9733	9860	1.17	cps
Iron	57-2	1523	1537	1537	1532	0.50	cps
Iron	54-2	1287	1300	1217	1268	3.53	cps
Krypton	83-1	177	183	147	169	11.57	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:05:27	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	203	260	223	229	12.56	cps
Lead	207-1	230	183	233	216	12.97	cps
Lead	208-1	1077	1040	1050	1056	1.80	cps
Lithium	6-1	1578783	1556369	1543405	1559519	1.15	cps
Magnesium	24-2	447	370	370	396	11.19	cps
Manganese	55-2	197	280	293	257	20.41	cps
Molybdenum	94-1	270	270	220	253	11.40	cps
Molybdenum	95-1	60	107	77	81	29.16	cps
Molybdenum	96-1	187	143	120	150	22.55	cps
Molybdenum	97-1	63	43	83	63	31.58	cps
Molybdenum	98-1	123	147	173	148	16.93	cps
Neodymium	150-1	33	10	13	19	66.81	cps
Neodymium	150-2	7	13	3	8	65.47	cps
Nickel	60-2	147	173	227	182	22.35	cps
Phosphorus	31-2	77	103	137	106	28.48	cps
Potassium	39-2	48751	48350	48233	48445	0.56	cps
Rhodium	103-1	7945481	7828526	7814894	7862967	0.91	cps
Rhodium	103-2	4434271	4389636	4282699	4368869	1.78	cps
Scandium	45-1	5064730	5014644	5103815	5061063	0.88	cps
Scandium	45-2	375385	376785	369886	374018	0.98	cps
Selenium	82-1	364	333	322	340	6.38	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	167	153	250	190	27.57	cps
Silicon	28-1	306363	302520	306908	305264	0.78	cps
Silver	107-1	107	177	117	133	28.39	cps
Silver	109-1	97	70	70	79	19.52	cps
Sodium	23-2	10080	9917	9676	9891	2.05	cps
Strontium	86-1	340	347	340	342	1.13	cps
Strontium	88-1	277	277	343	299	12.88	cps
Sulfur	34-1	215061	212577	215734	214457	0.78	cps
Terbium	159-1	9916734	10030880	9934967	9960860	0.62	cps
Terbium	159-2	6474197	6446839	6353085	6424707	0.99	cps
Thallium	203-1	40	23	43	36	30.14	cps
Thallium	205-1	60	63	93	72	25.42	cps
Tin	118-1	920	857	930	902	4.41	cps
Titanium	47-1	113	103	133	117	13.10	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:05:27	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27	20	17	21	24.12	cps
Vanadium	51-2	10	7	3	7	50.03	cps
Yttrium	89-1	11230578	11011316	11004159	11082018	1.16	cps
Yttrium	89-2	2549111	2506579	2489707	2515132	1.22	cps
Zinc	66-2	660	647	657	654	1.06	cps
Zirconium	90-1	523	510	537	523	2.55	cps
Zirconium	91-1	117	163	113	131	21.32	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:08:48	DataFile Name :	024ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10008454	10107307	9988108	10034623	0.64	cps
Antimony	121-1	6765	6938	7232	6978	3.38	cps
Arsenic	75-2	140	133	110	128	12.33	cps
Barium	135-1	2107	2317	2284	2236	5.05	cps
Barium	137-1	3891	3744	3827	3821	1.93	cps
Beryllium	9-1	423	377	390	397	6.06	cps
Bismuth	209-1	5460590	5483379	5435345	5459771	0.44	cps
Bismuth	209-2	4556100	4412373	4491687	4486720	1.60	cps
Bromine	81-1	8276	7822	7869	7989	3.12	cps
Bromine	81-2	160	137	173	157	11.85	cps
Cadmium	108-1	877	707	740	774	11.63	cps
Cadmium	106-1	2567	2304	2337	2402	5.97	cps
Cadmium	111-1	2143	2075	2081	2100	1.80	cps
Calcium	43-1	1780584	1765770	1745828	1764061	0.99	cps
Calcium	44-1	27958777	28492017	27718900	28056565	1.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	45512	45562	45214	45429	0.41	cps
Cobalt	59-2	4167	4224	4281	4224	1.34	cps
Copper	63-2	19626	19473	19600	19566	0.42	cps
Dysprosium	156-1	40	40	73	51	37.65	cps
Dysprosium	156-2	23	17	20	20	16.65	cps
Erbium	164-1	103	90	103	99	7.78	cps
Erbium	164-2	57	73	53	61	17.53	cps
Gadolinium	160-1	83	40	87	70	37.19	cps
Gadolinium	160-2	293	323	273	297	8.48	cps
Holmium	165-1	9672642	9721844	9679391	9691292	0.28	cps
Holmium	165-2	6727638	6560836	6556223	6614899	1.48	cps
Indium	115-1	7896200	7892474	7881126	7889933	0.10	cps
Indium	115-2	2445577	2452891	2531600	2476689	1.93	cps
Iron	56-2	186913057	185344504	185966504	186074688	0.42	cps
Iron	57-2	4665507	4606226	4597578	4623104	0.80	cps
Iron	54-2	10165783	10141974	10088835	10132198	0.39	cps
Krypton	83-1	233	220	183	212	12.20	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:08:48	DataFile Name :	024ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	21283	20839	19751	20625	3.82	cps
Lead	207-1	17411	16844	15719	16658	5.17	cps
Lead	208-1	81595	78581	74583	78253	4.50	cps
Lithium	6-1	1633446	1752082	1710137	1698555	3.54	cps
Magnesium	24-2	18350893	17905666	17797086	18017882	1.63	cps
Manganese	55-2	13102	12622	12829	12851	1.88	cps
Molybdenum	94-1	3478693	3433623	3450845	3454387	0.66	cps
Molybdenum	95-1	6050303	6070282	6054122	6058236	0.18	cps
Molybdenum	96-1	6462258	6495229	6448718	6468735	0.37	cps
Molybdenum	97-1	3797441	3794897	3752653	3781664	0.67	cps
Molybdenum	98-1	9687251	9707975	9543026	9646084	0.93	cps
Neodymium	150-1	37	30	30	32	11.95	cps
Neodymium	150-2	17	23	27	22	22.91	cps
Nickel	60-2	5074	4894	5144	5038	2.56	cps
Phosphorus	31-2	627265	629283	621152	625900	0.68	cps
Potassium	39-2	22403116	22536075	22262787	22400659	0.61	cps
Rhodium	103-1	7426535	7295404	7127253	7283064	2.06	cps
Rhodium	103-2	4133023	3994242	4099337	4075534	1.78	cps
Scandium	45-1	5287510	5106127	4990161	5127933	2.92	cps
Scandium	45-2	350455	351513	348538	350169	0.43	cps
Selenium	82-1	342	302	343	329	7.03	cps
Selenium	77-2	7	3	3	4	43.40	cps
Selenium	78-2	207	197	187	197	5.08	cps
Silicon	28-1	382795	386296	382777	383956	0.53	cps
Silver	107-1	847	553	580	660	24.58	cps
Silver	109-1	740	510	450	567	27.02	cps
Sodium	23-2	30508785	29655891	30168260	30110979	1.43	cps
Strontium	86-1	67876	68264	68304	68148	0.35	cps
Strontium	88-1	602942	602763	603705	603137	0.08	cps
Sulfur	34-1	2993770	2951462	3004810	2983347	0.94	cps
Terbium	159-1	9856103	9944393	9971563	9924020	0.61	cps
Terbium	159-2	6629088	6375956	6442069	6482371	2.03	cps
Thallium	203-1	313	303	307	308	1.65	cps
Thallium	205-1	727	737	710	724	1.86	cps
Tin	118-1	1853	2020	2080	1985	5.92	cps
Titanium	47-1	1745872	1713806	1690143	1716607	1.63	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:08:48	DataFile Name :	024ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	227	240	250	239	4.90	cps
Vanadium	51-2	350	343	380	358	5.46	cps
Yttrium	89-1	10805699	10760999	10685700	10750799	0.56	cps
Yttrium	89-2	2464520	2416494	2369577	2416864	1.96	cps
Zinc	66-2	5104	5168	4994	5089	1.72	cps
Zirconium	90-1	743	767	860	790	7.81	cps
Zirconium	91-1	200	153	153	169	15.95	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:11:51	DataFile Name :	025ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10159518	10092300	10403566	10218461	1.60	cps
Antimony	121-1	129400	133208	131834	131481	1.47	cps
Arsenic	75-2	6318	6295	6511	6375	1.87	cps
Barium	135-1	31588	32397	32287	32091	1.37	cps
Barium	137-1	54598	55337	56190	55375	1.44	cps
Beryllium	9-1	24466	25341	25761	25189	2.62	cps
Bismuth	209-1	5433160	5505586	5626399	5521715	1.77	cps
Bismuth	209-2	4413996	4480345	4383694	4426012	1.12	cps
Bromine	81-1	8332	8503	8799	8545	2.77	cps
Bromine	81-2	190	163	223	192	15.64	cps
Cadmium	108-1	3180	3304	3064	3183	3.77	cps
Cadmium	106-1	6165	6331	6198	6231	1.42	cps
Cadmium	111-1	32364	32949	32676	32663	0.90	cps
Calcium	43-1	1804453	1767366	1794063	1788627	1.07	cps
Calcium	44-1	28752751	28240013	29707671	28900145	2.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	91455	90926	88944	90442	1.46	cps
Cobalt	59-2	74082	72983	72276	73114	1.24	cps
Copper	63-2	67280	66042	66748	66690	0.93	cps
Dysprosium	156-1	33	50	37	40	22.05	cps
Dysprosium	156-2	17	37	20	24	43.83	cps
Erbium	164-1	93	80	93	89	8.66	cps
Erbium	164-2	53	73	47	58	24.02	cps
Gadolinium	160-1	50	60	67	59	14.25	cps
Gadolinium	160-2	250	340	260	283	17.41	cps
Holmium	165-1	9662234	9939887	9706555	9769559	1.53	cps
Holmium	165-2	6561694	6447488	6489159	6499447	0.89	cps
Indium	115-1	8143600	7959951	8044244	8049265	1.14	cps
Indium	115-2	2518843	2469466	2470293	2486201	1.14	cps
Iron	56-2	189426557	190796277	191162557	190461797	0.48	cps
Iron	57-2	4813664	4865846	4807746	4829085	0.66	cps
Iron	54-2	10498430	10343136	10289571	10377046	1.05	cps
Krypton	83-1	143	163	140	149	8.48	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:11:51	DataFile Name :	025ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	98326	97698	98688	98237	0.51	cps
Lead	207-1	83622	81372	83102	82699	1.42	cps
Lead	208-1	379566	378183	385044	380931	0.95	cps
Lithium	6-1	1597436	1618157	1572151	1595915	1.44	cps
Magnesium	24-2	19316223	19633363	19521933	19490507	0.83	cps
Manganese	55-2	45793	45418	45405	45539	0.48	cps
Molybdenum	94-1	3742816	3856545	3846277	3815213	1.65	cps
Molybdenum	95-1	6299890	6325704	6427289	6350961	1.06	cps
Molybdenum	96-1	6823273	6895502	6818513	6845762	0.63	cps
Molybdenum	97-1	3814460	4037221	3861858	3904513	3.01	cps
Molybdenum	98-1	10031100	10200206	10205563	10145623	0.98	cps
Neodymium	150-1	23	47	57	42	40.52	cps
Neodymium	150-2	7	20	3	10	88.20	cps
Nickel	60-2	22357	22233	22133	22241	0.50	cps
Phosphorus	31-2	649361	647107	639331	645267	0.82	cps
Potassium	39-2	23165805	23400033	22842498	23136112	1.21	cps
Rhodium	103-1	7370268	7316546	7349390	7345401	0.37	cps
Rhodium	103-2	4123759	4142164	4182991	4149638	0.73	cps
Scandium	45-1	5056587	5025126	5100563	5060759	0.75	cps
Scandium	45-2	352726	355414	348548	352229	0.98	cps
Selenium	82-1	2379	2454	2373	2402	1.89	cps
Selenium	77-2	187	220	153	187	17.86	cps
Selenium	78-2	740	840	750	777	7.09	cps
Silicon	28-1	568926	579461	580451	576279	1.11	cps
Silver	107-1	142263	142808	145573	143548	1.24	cps
Silver	109-1	132577	135591	135439	134536	1.26	cps
Sodium	23-2	30447563	31199238	30836452	30827751	1.22	cps
Strontium	86-1	172788	178594	181487	177623	2.49	cps
Strontium	88-1	1545880	1548782	1597515	1564059	1.85	cps
Sulfur	34-1	2986692	2927743	2991769	2968735	1.20	cps
Terbium	159-1	10147842	10150133	10200737	10166237	0.29	cps
Terbium	159-2	6436906	6560515	6392611	6463344	1.35	cps
Thallium	203-1	100202	101586	103214	101667	1.48	cps
Thallium	205-1	237035	240664	241432	239710	0.98	cps
Tin	118-1	259539	264651	259647	261279	1.12	cps
Titanium	47-1	1758523	1792720	1785458	1778900	1.01	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:11:51	DataFile Name :	025ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	738050	758078	755832	750653	1.46	cps
Vanadium	51-2	39077	40257	39832	39722	1.50	cps
Yttrium	89-1	11052495	10910602	11020739	10994612	0.68	cps
Yttrium	89-2	2451478	2427515	2471236	2450076	0.89	cps
Zinc	66-2	14460	14240	13820	14173	2.30	cps
Zirconium	90-1	564048	580698	578614	574453	1.58	cps
Zirconium	91-1	126667	129691	130188	128849	1.48	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:14:56	DataFile Name :	026CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5684984	5850497	5668424	5734635	1.76	cps
Antimony	121-1	3502500	3518839	3475722	3499020	0.62	cps
Arsenic	75-2	157739	158214	158446	158133	0.23	cps
Barium	135-1	4018916	4028829	4031427	4026391	0.16	cps
Barium	137-1	7053956	6958938	6885809	6966234	1.21	cps
Beryllium	9-1	631752	645215	642657	639875	1.12	cps
Bismuth	209-1	5511475	5441422	5439820	5464239	0.75	cps
Bismuth	209-2	4375203	4427774	4437410	4413462	0.76	cps
Bromine	81-1	7829	7635	7719	7728	1.26	cps
Bromine	81-2	63	60	50	58	12.01	cps
Cadmium	108-1	57446	57119	57089	57218	0.35	cps
Cadmium	106-1	84196	83740	84319	84085	0.36	cps
Cadmium	111-1	763796	768643	769299	767246	0.39	cps
Calcium	43-1	4772025	4904647	4782615	4819762	1.53	cps
Calcium	44-1	76885862	75938932	76058017	76294271	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1167756	1156136	1146997	1156963	0.90	cps
Cobalt	59-2	1750249	1729633	1703533	1727805	1.35	cps
Copper	63-2	11880136	11606823	11717762	11734907	1.17	cps
Dysprosium	156-1	257	247	200	234	12.90	cps
Dysprosium	156-2	230	280	267	259	10.00	cps
Erbium	164-1	163	250	217	210	20.82	cps
Erbium	164-2	143	190	163	166	14.14	cps
Gadolinium	160-1	167	237	167	190	21.27	cps
Gadolinium	160-2	317	407	367	363	12.41	cps
Holmium	165-1	9749828	9817083	9775392	9780768	0.35	cps
Holmium	165-2	6573132	6717782	6559235	6616716	1.33	cps
Indium	115-1	7910365	7913853	7843521	7889246	0.50	cps
Indium	115-2	2474902	2417877	2461431	2451404	1.22	cps
Iron	56-2	248304436	245457750	248210723	247324303	0.65	cps
Iron	57-2	6174097	5982177	6036873	6064382	1.63	cps
Iron	54-2	13408754	13216035	12994899	13206562	1.57	cps
Krypton	83-1	183	220	247	217	14.67	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:14:56	DataFile Name :	026CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10450537	10569583	10346885	10455668	1.07	cps
Lead	207-1	9357605	9404807	9283202	9348538	0.66	cps
Lead	208-1	41832354	41983875	42131279	41982503	0.36	cps
Lithium	6-1	1606757	1609136	1661741	1625878	1.91	cps
Magnesium	24-2	51057008	51912591	51671943	51547180	0.86	cps
Manganese	55-2	8102565	8187751	8068438	8119585	0.76	cps
Molybdenum	94-1	12286079	12308394	12238282	12277585	0.29	cps
Molybdenum	95-1	18168086	18261853	17834549	18088162	1.24	cps
Molybdenum	96-1	19681615	19488380	19771635	19647210	0.74	cps
Molybdenum	97-1	10900440	11074374	11215698	11063504	1.43	cps
Molybdenum	98-1	28677134	28995526	28503587	28725416	0.87	cps
Neodymium	150-1	277	257	250	261	5.32	cps
Neodymium	150-2	83	107	103	98	12.91	cps
Nickel	60-2	432668	437519	437407	435865	0.64	cps
Phosphorus	31-2	67883	67210	65914	67003	1.49	cps
Potassium	39-2	30455712	30440070	30066307	30320696	0.73	cps
Rhodium	103-1	7232242	6987121	7356303	7191888	2.61	cps
Rhodium	103-2	4082932	4010840	3964661	4019478	1.48	cps
Scandium	45-1	5189230	5098209	4983701	5090380	2.02	cps
Scandium	45-2	356389	357373	353783	355848	0.52	cps
Selenium	82-1	51373	51357	51981	51570	0.69	cps
Selenium	77-2	4201	4334	4441	4325	2.78	cps
Selenium	78-2	14287	14470	14110	14289	1.26	cps
Silicon	28-1	32794877	33404940	32904352	33034723	0.98	cps
Silver	107-1	3848688	3798461	3819281	3822143	0.66	cps
Silver	109-1	3677206	3575806	3655787	3636266	1.47	cps
Sodium	23-2	82232492	82135950	82102787	82157077	0.08	cps
Strontium	86-1	26344030	26658579	25831671	26278093	1.59	cps
Strontium	88-1	228686257	230018350	225483570	228062725	1.02	cps
Sulfur	34-1	480045	484825	483300	482723	0.51	cps
Terbium	159-1	10168083	10076902	9841739	10028908	1.68	cps
Terbium	159-2	6426278	6645781	6585638	6552566	1.73	cps
Thallium	203-1	2725085	2687666	2699598	2704116	0.71	cps
Thallium	205-1	6238115	6244024	6358920	6280353	1.08	cps
Tin	118-1	2636671	2643007	2619872	2633183	0.45	cps
Titanium	47-1	4899904	4925052	5015982	4946979	1.23	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P7
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:14:56	DataFile Name :	026CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8362435	8320721	8493354	8392170	1.07	cps
Vanadium	51-2	1040758	1035847	1032429	1036345	0.40	cps
Yttrium	89-1	10938137	10890600	11044849	10957862	0.72	cps
Yttrium	89-2	2419543	2412680	2436301	2422841	0.50	cps
Zinc	66-2	2006679	1951212	1997482	1985124	1.50	cps
Zirconium	90-1	5890825	5806083	5889620	5862176	0.83	cps
Zirconium	91-1	1318982	1294888	1325390	1313087	1.22	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:23:27	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	303	300	280	294	4.29	cps
Antimony	121-1	643	703	830	726	13.13	cps
Arsenic	75-2	13	7	3	8	65.47	cps
Barium	135-1	83	87	77	82	6.19	cps
Barium	137-1	137	133	127	132	3.85	cps
Beryllium	9-1	67	40	60	56	24.98	cps
Bismuth	209-1	5591227	5582652	5536887	5570255	0.52	cps
Bismuth	209-2	4557765	4593125	4669235	4606708	1.24	cps
Bromine	81-1	7735	7455	7609	7600	1.85	cps
Bromine	81-2	63	97	63	74	25.86	cps
Cadmium	108-1	7	10	7	8	24.71	cps
Cadmium	106-1	2357	2130	2090	2192	6.56	cps
Cadmium	111-1	1672	1504	1485	1554	6.61	cps
Calcium	43-1	363	417	393	391	6.84	cps
Calcium	44-1	11475	11228	11241	11315	1.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	557	543	680	593	12.70	cps
Cobalt	59-2	100	90	100	97	5.97	cps
Copper	63-2	1017	1073	1210	1100	9.04	cps
Dysprosium	156-1	33	47	27	36	28.64	cps
Dysprosium	156-2	3	3	7	4	43.40	cps
Erbium	164-1	57	63	93	71	27.46	cps
Erbium	164-2	37	33	43	38	13.48	cps
Gadolinium	160-1	40	23	63	42	47.59	cps
Gadolinium	160-2	273	247	213	244	12.30	cps
Holmium	165-1	9435098	9269231	9281203	9328511	0.99	cps
Holmium	165-2	6374705	6354689	6408390	6379261	0.43	cps
Indium	115-1	8076189	8140589	8060919	8092565	0.52	cps
Indium	115-2	2538503	2497316	2534928	2523582	0.90	cps
Iron	56-2	13319	14247	14787	14118	5.26	cps
Iron	57-2	1447	1370	1523	1447	5.30	cps
Iron	54-2	1503	1430	1420	1451	3.14	cps
Krypton	83-1	220	227	167	204	16.08	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:23:27	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	580	510	507	532	7.78	cps
Lead	207-1	407	477	390	424	10.83	cps
Lead	208-1	2177	2147	2110	2145	1.56	cps
Lithium	6-1	1559530	1576372	1595347	1577083	1.14	cps
Magnesium	24-2	1213	1303	1367	1295	5.95	cps
Manganese	55-2	340	373	397	370	7.70	cps
Molybdenum	94-1	410	580	543	511	17.50	cps
Molybdenum	95-1	307	470	377	384	21.32	cps
Molybdenum	96-1	383	447	480	437	11.25	cps
Molybdenum	97-1	180	240	267	229	19.39	cps
Molybdenum	98-1	403	877	610	630	37.68	cps
Neodymium	150-1	0	20	10	10	100.00	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	133	173	200	169	19.87	cps
Phosphorus	31-2	103	133	93	110	18.93	cps
Potassium	39-2	46635	47079	45672	46462	1.55	cps
Rhodium	103-1	7838053	7749767	7565825	7717882	1.80	cps
Rhodium	103-2	4333317	4358582	4277050	4322983	0.97	cps
Scandium	45-1	5118866	4905194	4947909	4990656	2.27	cps
Scandium	45-2	354920	348606	350762	351429	0.91	cps
Selenium	82-1	268	176	346	263	32.33	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	220	200	220	213	5.41	cps
Silicon	28-1	298768	298772	296663	298068	0.41	cps
Silver	107-1	150	157	113	140	16.66	cps
Silver	109-1	77	93	80	83	10.58	cps
Sodium	23-2	15818	15144	15751	15571	2.38	cps
Strontium	86-1	493	627	643	588	13.99	cps
Strontium	88-1	1543	3629	1917	2363	47.06	cps
Sulfur	34-1	203675	203652	200008	202445	1.04	cps
Terbium	159-1	9957913	9719275	9652091	9776426	1.64	cps
Terbium	159-2	6255914	6379523	6333257	6322898	0.99	cps
Thallium	203-1	137	143	100	127	18.42	cps
Thallium	205-1	343	340	280	321	11.10	cps
Tin	118-1	873	1013	950	946	7.41	cps
Titanium	47-1	193	190	200	194	2.62	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P7
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:23:27	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	73	67	73	71	5.41	cps
Vanadium	51-2	17	33	30	27	33.06	cps
Yttrium	89-1	10983929	10808210	10670246	10820795	1.45	cps
Yttrium	89-2	2428542	2425819	2441110	2431824	0.34	cps
Zinc	66-2	667	690	660	672	2.34	cps
Zirconium	90-1	707	823	807	779	8.10	cps
Zirconium	91-1	110	120	177	136	26.52	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:26:43	DataFile Name :	028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2610	2560	2647	2606	1.67	cps
Antimony	121-1	13280	12966	13056	13101	1.23	cps
Arsenic	75-2	410	380	337	376	9.82	cps
Barium	135-1	14698	15362	14708	14922	2.55	cps
Barium	137-1	26308	26224	25847	26126	0.94	cps
Beryllium	9-1	1407	1240	1397	1348	6.94	cps
Bismuth	209-1	5455553	5594453	5600238	5550082	1.48	cps
Bismuth	209-2	4525840	4514143	4581845	4540609	0.80	cps
Bromine	81-1	7719	7315	7682	7572	2.95	cps
Bromine	81-2	40	93	93	76	40.75	cps
Cadmium	108-1	120	117	173	137	23.27	cps
Cadmium	106-1	2647	2487	2440	2525	4.29	cps
Cadmium	111-1	3362	3179	3197	3246	3.11	cps
Calcium	43-1	10070	10804	10140	10338	3.92	cps
Calcium	44-1	172135	171761	174082	172659	0.72	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5208	5414	5204	5275	2.28	cps
Cobalt	59-2	3991	3874	3957	3941	1.53	cps
Copper	63-2	5898	6088	5791	5926	2.54	cps
Dysprosium	156-1	33	27	30	30	11.10	cps
Dysprosium	156-2	7	13	3	8	65.47	cps
Erbium	164-1	73	80	60	71	14.32	cps
Erbium	164-2	43	60	30	44	33.82	cps
Gadolinium	160-1	50	33	40	41	20.41	cps
Gadolinium	160-2	270	217	313	267	18.16	cps
Holmium	165-1	9485196	9252589	9276018	9337934	1.37	cps
Holmium	165-2	6333148	6449242	6389632	6390674	0.91	cps
Indium	115-1	8064510	7977138	8016318	8019322	0.55	cps
Indium	115-2	2600344	2471154	2524491	2531997	2.56	cps
Iron	56-2	118737	116574	116678	117330	1.04	cps
Iron	57-2	4194	4234	4131	4186	1.24	cps
Iron	54-2	7465	7285	7245	7332	1.60	cps
Krypton	83-1	223	217	133	191	26.24	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:26:43	DataFile Name :	028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4084	4414	4187	4228	3.99	cps
Lead	207-1	3564	3601	3807	3657	3.59	cps
Lead	208-1	16951	16984	16914	16950	0.21	cps
Lithium	6-1	1574969	1569987	1553337	1566097	0.72	cps
Magnesium	24-2	108674	106475	107304	107485	1.03	cps
Manganese	55-2	2023	2067	2144	2078	2.92	cps
Molybdenum	94-1	13753	13800	14114	13889	1.41	cps
Molybdenum	95-1	16192	16700	16843	16578	2.06	cps
Molybdenum	96-1	17821	18482	18288	18197	1.87	cps
Molybdenum	97-1	10070	10150	10157	10126	0.48	cps
Molybdenum	98-1	25299	26578	26334	26070	2.60	cps
Neodymium	150-1	7	7	0	4	86.60	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	1193	1130	1063	1129	5.76	cps
Phosphorus	31-2	343	293	270	302	12.40	cps
Potassium	39-2	177243	173584	175694	175507	1.05	cps
Rhodium	103-1	7745591	7622671	7545402	7637888	1.32	cps
Rhodium	103-2	4350213	4372565	4336352	4353043	0.42	cps
Scandium	45-1	4960760	4895553	4932802	4929705	0.66	cps
Scandium	45-2	354238	350075	351058	351790	0.62	cps
Selenium	82-1	766	797	874	812	6.88	cps
Selenium	77-2	43	47	33	41	16.89	cps
Selenium	78-2	317	323	343	328	4.23	cps
Silicon	28-1	316683	315099	317731	316504	0.42	cps
Silver	107-1	7692	7842	7532	7689	2.02	cps
Silver	109-1	7315	7335	7382	7344	0.47	cps
Sodium	23-2	186165	184805	184916	185295	0.41	cps
Strontium	86-1	2504	2614	2550	2556	2.16	cps
Strontium	88-1	19647	19623	19600	19623	0.12	cps
Sulfur	34-1	206087	204104	204658	204950	0.50	cps
Terbium	159-1	9775475	9868139	9650138	9764584	1.12	cps
Terbium	159-2	6447196	6231260	6336449	6338302	1.70	cps
Thallium	203-1	4721	4814	4804	4780	1.07	cps
Thallium	205-1	11321	11321	11772	11472	2.27	cps
Tin	118-1	26231	26842	26297	26457	1.27	cps
Titanium	47-1	4871	4918	4671	4820	2.72	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:26:43	DataFile Name :	028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14011	14605	14158	14258	2.17	cps
Vanadium	51-2	10404	10540	10270	10405	1.30	cps
Yttrium	89-1	10566826	10679669	10538933	10595143	0.70	cps
Yttrium	89-2	2457543	2397763	2389547	2414951	1.54	cps
Zinc	66-2	2987	2890	3020	2966	2.28	cps
Zirconium	90-1	11468	11588	11862	11639	1.73	cps
Zirconium	91-1	2597	2544	2547	2562	1.17	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BL	Instrumnet Name :	P7
Client Sample ID :	PB162950BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:31:39	DataFile Name :	029CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	230	183	160	191	18.65	cps
Antimony	121-1	200	200	180	193	5.97	cps
Arsenic	75-2	3	7	3	4	43.40	cps
Barium	135-1	73	53	43	57	26.96	cps
Barium	137-1	53	77	93	74	26.99	cps
Beryllium	9-1	57	30	50	46	30.47	cps
Bismuth	209-1	5501090	5569291	5495034	5521805	0.75	cps
Bismuth	209-2	4594603	4603073	4567048	4588241	0.41	cps
Bromine	81-1	7535	7068	7412	7339	3.30	cps
Bromine	81-2	83	73	73	77	7.53	cps
Cadmium	108-1	3	0	17	7	132.33	cps
Cadmium	106-1	2134	2414	2144	2230	7.12	cps
Cadmium	111-1	1511	1699	1505	1572	7.02	cps
Calcium	43-1	337	317	323	326	3.13	cps
Calcium	44-1	10681	10137	10427	10415	2.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	607	513	510	543	10.10	cps
Cobalt	59-2	83	73	80	79	6.45	cps
Copper	63-2	833	777	803	804	3.52	cps
Dysprosium	156-1	30	30	20	27	21.65	cps
Dysprosium	156-2	17	13	13	14	13.35	cps
Erbium	164-1	60	103	67	77	30.43	cps
Erbium	164-2	53	30	50	44	28.39	cps
Gadolinium	160-1	37	33	57	42	29.89	cps
Gadolinium	160-2	323	297	283	301	6.76	cps
Holmium	165-1	9328269	9097798	9412528	9279532	1.76	cps
Holmium	165-2	6186935	6400841	6250872	6279549	1.75	cps
Indium	115-1	7980445	7996644	7896398	7957829	0.68	cps
Indium	115-2	2509432	2480284	2529803	2506506	0.99	cps
Iron	56-2	9460	9650	9973	9694	2.68	cps
Iron	57-2	1483	1380	1390	1418	4.02	cps
Iron	54-2	1240	1217	1307	1255	3.72	cps
Krypton	83-1	150	223	227	200	21.67	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BL	Instrumnet Name :	P7
Client Sample ID :	PB162950BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:31:39	DataFile Name :	029CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	390	377	310	359	11.94	cps
Lead	207-1	270	247	300	272	9.82	cps
Lead	208-1	1377	1320	1390	1362	2.73	cps
Lithium	6-1	1587483	1586401	1578279	1584054	0.32	cps
Magnesium	24-2	550	497	503	517	5.62	cps
Manganese	55-2	227	290	220	246	15.74	cps
Molybdenum	94-1	260	233	267	253	6.96	cps
Molybdenum	95-1	100	90	100	97	5.97	cps
Molybdenum	96-1	157	167	157	160	3.61	cps
Molybdenum	97-1	43	67	57	56	21.08	cps
Molybdenum	98-1	180	170	173	174	2.92	cps
Neodymium	150-1	10	30	7	16	81.11	cps
Neodymium	150-2	3	10	0	4	114.60	cps
Nickel	60-2	213	213	153	193	17.92	cps
Phosphorus	31-2	127	137	120	128	6.57	cps
Potassium	39-2	46538	46086	46287	46304	0.49	cps
Rhodium	103-1	7475346	7390165	7362636	7409382	0.79	cps
Rhodium	103-2	4303525	4283348	4245135	4277336	0.69	cps
Scandium	45-1	4981472	4985985	4976526	4981328	0.09	cps
Scandium	45-2	355786	353013	349313	352704	0.92	cps
Selenium	82-1	349	238	263	284	20.41	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	203	207	250	220	11.83	cps
Silicon	28-1	292235	292828	294884	293316	0.47	cps
Silver	107-1	103	113	110	109	4.68	cps
Silver	109-1	70	77	73	73	4.55	cps
Sodium	23-2	12742	12358	11901	12334	3.41	cps
Strontium	86-1	360	313	327	333	7.21	cps
Strontium	88-1	340	420	313	358	15.52	cps
Sulfur	34-1	206010	207699	204415	206041	0.80	cps
Terbium	159-1	9695410	9738710	9446840	9626987	1.64	cps
Terbium	159-2	6267725	6279367	6230115	6259069	0.41	cps
Thallium	203-1	87	80	73	80	8.34	cps
Thallium	205-1	197	173	297	222	29.48	cps
Tin	118-1	943	887	873	901	4.13	cps
Titanium	47-1	143	140	160	148	7.25	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BL	Instrumnet Name :	P7
Client Sample ID :	PB162950BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:31:39	DataFile Name :	029CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20	20	27	22	17.33	cps
Vanadium	51-2	13	0	7	7	99.98	cps
Yttrium	89-1	10586502	10737964	10763412	10695959	0.89	cps
Yttrium	89-2	2420244	2395840	2400616	2405567	0.54	cps
Zinc	66-2	637	703	677	672	4.99	cps
Zirconium	90-1	477	473	553	501	9.03	cps
Zirconium	91-1	97	110	120	109	10.75	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BS	Instrumnet Name :	P7
Client Sample ID :	PB162950BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:34:55	DataFile Name :	030LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1176557	1167651	1183143	1175784	0.66	cps
Antimony	121-1	3350341	3480531	3383276	3404716	1.99	cps
Arsenic	75-2	162876	164011	165313	164067	0.74	cps
Barium	135-1	4055619	4155445	4167588	4126217	1.49	cps
Barium	137-1	6996967	7152014	7116527	7088503	1.15	cps
Beryllium	9-1	649759	674414	660443	661539	1.87	cps
Bismuth	209-1	5410745	5544983	5553973	5503234	1.46	cps
Bismuth	209-2	4544113	4574686	4531626	4550141	0.49	cps
Bromine	81-1	7012	6882	7082	6992	1.45	cps
Bromine	81-2	53	17	47	39	50.22	cps
Cadmium	108-1	60121	61901	60991	61004	1.46	cps
Cadmium	106-1	86955	88491	87532	87659	0.88	cps
Cadmium	111-1	811471	829276	827119	822622	1.18	cps
Calcium	43-1	1115921	1140850	1151889	1136220	1.62	cps
Calcium	44-1	16034361	16190810	16561186	16262119	1.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1181098	1177517	1198196	1185604	0.93	cps
Cobalt	59-2	1853385	1852309	1816588	1840761	1.14	cps
Copper	63-2	12602518	12689707	12495116	12595781	0.77	cps
Dysprosium	156-1	147	127	113	129	13.02	cps
Dysprosium	156-2	207	210	247	221	10.04	cps
Erbium	164-1	147	163	160	157	5.63	cps
Erbium	164-2	93	110	80	94	15.92	cps
Gadolinium	160-1	107	123	103	111	9.65	cps
Gadolinium	160-2	350	330	360	347	4.41	cps
Holmium	165-1	9401376	9656191	9705030	9587532	1.70	cps
Holmium	165-2	6568481	6489312	6474004	6510599	0.78	cps
Indium	115-1	7973921	8131120	7964176	8023072	1.17	cps
Indium	115-2	2484268	2504912	2462800	2483993	0.85	cps
Iron	56-2	50356491	49968723	50912146	50412453	0.94	cps
Iron	57-2	1326547	1329314	1328336	1328066	0.11	cps
Iron	54-2	2817630	2840526	2841636	2833264	0.48	cps
Krypton	83-1	190	217	190	199	7.74	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BS	Instrumnet Name :	P7
Client Sample ID :	PB162950BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:34:55	DataFile Name :	030LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10705925	11006560	10951079	10887855	1.47	cps
Lead	207-1	9496692	9725818	9923819	9715443	2.20	cps
Lead	208-1	42635962	44020166	44260363	43638830	2.01	cps
Lithium	6-1	1618898	1663498	1636703	1639700	1.37	cps
Magnesium	24-2	10584800	10526814	10574780	10562131	0.29	cps
Manganese	55-2	8328344	8325496	8433108	8362316	0.73	cps
Molybdenum	94-1	12416818	12565546	12619595	12533986	0.84	cps
Molybdenum	95-1	18185000	18274079	17925005	18128028	1.00	cps
Molybdenum	96-1	19684536	19475152	19802341	19654010	0.84	cps
Molybdenum	97-1	11413397	11170894	11348701	11310997	1.11	cps
Molybdenum	98-1	28892962	29128278	28753878	28925039	0.65	cps
Neodymium	150-1	193	217	227	212	8.06	cps
Neodymium	150-2	43	63	67	58	21.85	cps
Nickel	60-2	465969	468370	470601	468314	0.49	cps
Phosphorus	31-2	67732	66906	68322	67653	1.05	cps
Potassium	39-2	6105813	6027382	6211333	6114843	1.51	cps
Rhodium	103-1	7313633	7390498	7387234	7363788	0.59	cps
Rhodium	103-2	4155796	4105021	4040771	4100530	1.41	cps
Scandium	45-1	5027635	5022954	5202165	5084251	2.01	cps
Scandium	45-2	344879	345108	347608	345865	0.44	cps
Selenium	82-1	54147	54953	54566	54556	0.74	cps
Selenium	77-2	4437	4674	4704	4605	3.17	cps
Selenium	78-2	15258	15295	14844	15132	1.65	cps
Silicon	28-1	33740866	32808531	32455875	33001758	2.01	cps
Silver	107-1	4103211	4212655	4149697	4155188	1.32	cps
Silver	109-1	3832235	3921511	3915043	3889596	1.28	cps
Sodium	23-2	16516321	16777700	16719128	16671049	0.82	cps
Strontium	86-1	26807757	26913155	26990489	26903800	0.34	cps
Strontium	88-1	233765863	234217570	233364930	233782788	0.18	cps
Sulfur	34-1	504042	504606	499219	502622	0.59	cps
Terbium	159-1	9858526	10161192	9915063	9978260	1.61	cps
Terbium	159-2	6384743	6528256	6504841	6472613	1.19	cps
Thallium	203-1	2728655	2803505	2770896	2767685	1.36	cps
Thallium	205-1	6489344	6670626	6538274	6566082	1.43	cps
Tin	118-1	2734070	2745647	2721342	2733686	0.44	cps
Titanium	47-1	5024171	5014806	5083578	5040852	0.74	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162950BS	Instrumnet Name :	P7
Client Sample ID :	PB162950BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:34:55	DataFile Name :	030LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8258591	8418952	8105591	8261045	1.90	cps
Vanadium	51-2	1036996	1049921	1045547	1044154	0.63	cps
Yttrium	89-1	10784148	10995813	10704953	10828305	1.39	cps
Yttrium	89-2	2390884	2414212	2433563	2412886	0.89	cps
Zinc	66-2	2117328	2173107	2207961	2166132	2.11	cps
Zirconium	90-1	5823793	5981754	5831941	5879163	1.51	cps
Zirconium	91-1	1317935	1339944	1337630	1331836	0.91	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-01	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:41:03	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4084	3864	4001	3983	2.79	cps
Antimony	121-1	1223	1480	1420	1375	9.77	cps
Arsenic	75-2	593	643	590	609	4.91	cps
Barium	135-1	329960	334685	332385	332343	0.71	cps
Barium	137-1	565474	579044	571029	571849	1.19	cps
Beryllium	9-1	97	80	97	91	10.56	cps
Bismuth	209-1	5374116	5376884	5257257	5336086	1.28	cps
Bismuth	209-2	4445277	3978255	4529648	4317727	6.88	cps
Bromine	81-1	64244	85207	97643	82365	20.49	cps
Bromine	81-2	16126	16226	16870	16407	2.46	cps
Cadmium	108-1	3	17	20	13	66.16	cps
Cadmium	106-1	2234	2144	2380	2252	5.30	cps
Cadmium	111-1	1618	1529	1702	1616	5.36	cps
Calcium	43-1	661389	670385	663615	665130	0.70	cps
Calcium	44-1	9951938	9953667	10003201	9969602	0.29	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8046	8053	7742	7947	2.23	cps
Cobalt	59-2	5781	5688	5328	5599	4.28	cps
Copper	63-2	3647	3320	3397	3455	4.95	cps
Dysprosium	156-1	293	267	370	310	17.31	cps
Dysprosium	156-2	237	190	237	221	12.19	cps
Erbium	164-1	373	407	317	366	12.45	cps
Erbium	164-2	263	250	273	262	4.47	cps
Gadolinium	160-1	357	317	410	361	12.97	cps
Gadolinium	160-2	450	450	560	487	13.05	cps
Holmium	165-1	9299427	9397449	9315630	9337502	0.56	cps
Holmium	165-2	6423640	5859452	6575439	6286177	6.00	cps
Indium	115-1	7788366	7982798	7933409	7901524	1.28	cps
Indium	115-2	2463823	2222280	2491307	2392470	6.19	cps
Iron	56-2	7866879	7602521	7588475	7685958	2.04	cps
Iron	57-2	211602	210717	209381	210567	0.53	cps
Iron	54-2	447401	445215	440113	444243	0.84	cps
Krypton	83-1	187	167	220	191	14.10	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-01	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:41:03	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2214	2414	2164	2264	5.85	cps
Lead	207-1	1807	1867	1863	1846	1.83	cps
Lead	208-1	9088	8828	8708	8875	2.19	cps
Lithium	6-1	1642092	1596054	1684712	1640953	2.70	cps
Magnesium	24-2	2276481	2286644	2237065	2266730	1.16	cps
Manganese	55-2	10781618	10957035	10654398	10797684	1.41	cps
Molybdenum	94-1	1527	1523	1590	1547	2.43	cps
Molybdenum	95-1	2210	1923	2204	2112	7.75	cps
Molybdenum	96-1	1790	1903	1903	1866	3.51	cps
Molybdenum	97-1	980	910	980	957	4.22	cps
Molybdenum	98-1	2404	2600	2480	2495	3.97	cps
Neodymium	150-1	403	400	447	417	6.25	cps
Neodymium	150-2	217	247	227	230	6.64	cps
Nickel	60-2	2717	2500	2604	2607	4.16	cps
Phosphorus	31-2	603	543	573	573	5.23	cps
Potassium	39-2	1398343	1395525	1368462	1387443	1.19	cps
Rhodium	103-1	7428869	7383778	7276964	7363204	1.06	cps
Rhodium	103-2	4241995	3634692	4140304	4005664	8.12	cps
Scandium	45-1	5083074	5176547	5137350	5132324	0.91	cps
Scandium	45-2	348710	309626	352422	336919	7.04	cps
Selenium	82-1	320	354	368	347	7.16	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	180	187	210	192	8.19	cps
Silicon	28-1	16071046	16008372	16044621	16041347	0.20	cps
Silver	107-1	667	660	753	693	7.51	cps
Silver	109-1	733	617	603	651	10.98	cps
Sodium	23-2	52929508	52603338	52530713	52687853	0.40	cps
Strontium	86-1	502494	509634	507453	506527	0.72	cps
Strontium	88-1	4427040	4467971	4361617	4418876	1.21	cps
Sulfur	34-1	221620	219064	220316	220333	0.58	cps
Terbium	159-1	9652035	9650627	9807415	9703359	0.93	cps
Terbium	159-2	6331154	5744842	6382847	6152947	5.76	cps
Thallium	203-1	187	197	197	193	2.99	cps
Thallium	205-1	577	433	327	446	28.16	cps
Tin	118-1	3997	4157	4027	4061	2.10	cps
Titanium	47-1	2836	830	1013	1560	71.10	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-01	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:41:03	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	487	503	367	452	16.49	cps
Vanadium	51-2	870	863	830	854	2.51	cps
Yttrium	89-1	10463830	10584742	10482284	10510285	0.62	cps
Yttrium	89-2	2430759	2142898	2383264	2318973	6.65	cps
Zinc	66-2	6061	6195	5931	6062	2.17	cps
Zirconium	90-1	1984	1997	1933	1971	1.69	cps
Zirconium	91-1	413	477	470	453	7.68	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-02	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124-FD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:44:15	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3487	3757	3464	3569	4.57	cps
Antimony	121-1	703	727	783	738	5.58	cps
Arsenic	75-2	553	593	533	560	5.46	cps
Barium	135-1	308457	309857	312558	310291	0.67	cps
Barium	137-1	532661	537863	536832	535785	0.51	cps
Beryllium	9-1	87	93	53	78	27.56	cps
Bismuth	209-1	5336925	5397197	5369433	5367852	0.56	cps
Bismuth	209-2	4464902	4436078	4494143	4465041	0.65	cps
Bromine	81-1	70525	85325	96190	84013	15.33	cps
Bromine	81-2	14981	15038	14951	14990	0.29	cps
Cadmium	108-1	10	13	17	13	25.01	cps
Cadmium	106-1	2354	2377	2310	2347	1.44	cps
Cadmium	111-1	1667	1681	1625	1658	1.75	cps
Calcium	43-1	608949	615843	615658	613483	0.64	cps
Calcium	44-1	9262125	9324180	9393125	9326477	0.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1473	1537	1477	1496	2.38	cps
Cobalt	59-2	5228	5091	5204	5174	1.41	cps
Copper	63-2	2030	1777	1920	1909	6.66	cps
Dysprosium	156-1	393	323	260	326	20.49	cps
Dysprosium	156-2	203	193	213	203	4.92	cps
Erbium	164-1	377	353	340	357	5.20	cps
Erbium	164-2	220	283	260	254	12.59	cps
Gadolinium	160-1	307	313	303	308	1.65	cps
Gadolinium	160-2	473	507	487	489	3.43	cps
Holmium	165-1	9483213	9320339	9470860	9424804	0.96	cps
Holmium	165-2	6565373	6588116	6482964	6545484	0.85	cps
Indium	115-1	7967911	7873689	7770717	7870772	1.25	cps
Indium	115-2	2507013	2481113	2486932	2491686	0.55	cps
Iron	56-2	6804692	6912705	6985634	6901010	1.32	cps
Iron	57-2	189230	193404	190492	191042	1.12	cps
Iron	54-2	405087	399501	401499	402029	0.70	cps
Krypton	83-1	177	183	173	178	2.86	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-02	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124-FD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:44:15	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1447	1547	1580	1525	4.55	cps
Lead	207-1	1053	1207	1160	1140	6.89	cps
Lead	208-1	5384	5787	5697	5623	3.77	cps
Lithium	6-1	1635299	1706355	1629642	1657099	2.58	cps
Magnesium	24-2	2119154	2093063	2070225	2094147	1.17	cps
Manganese	55-2	9961183	9921515	9877576	9920091	0.42	cps
Molybdenum	94-1	1337	1320	1197	1285	5.95	cps
Molybdenum	95-1	1673	1690	1627	1663	1.97	cps
Molybdenum	96-1	1480	1480	1393	1451	3.45	cps
Molybdenum	97-1	763	787	667	739	8.61	cps
Molybdenum	98-1	1747	1913	1857	1839	4.61	cps
Neodymium	150-1	357	370	400	376	5.91	cps
Neodymium	150-2	187	200	213	200	6.67	cps
Nickel	60-2	1203	1200	1257	1220	2.61	cps
Phosphorus	31-2	507	493	530	510	3.64	cps
Potassium	39-2	1288706	1279210	1281163	1283026	0.39	cps
Rhodium	103-1	7376883	7203328	7200924	7260378	1.39	cps
Rhodium	103-2	4150515	4128514	4119899	4132976	0.38	cps
Scandium	45-1	5144007	5015709	5023108	5060941	1.42	cps
Scandium	45-2	348565	346004	344254	346274	0.63	cps
Selenium	82-1	347	346	324	339	3.81	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	177	210	197	194	8.63	cps
Silicon	28-1	14810625	15144711	15103729	15019689	1.21	cps
Silver	107-1	520	517	577	538	6.27	cps
Silver	109-1	470	483	510	488	4.18	cps
Sodium	23-2	49208683	48179629	48865324	48751212	1.07	cps
Strontium	86-1	463853	470083	470801	468246	0.82	cps
Strontium	88-1	4160603	4121651	4210693	4164315	1.07	cps
Sulfur	34-1	219204	218841	218307	218784	0.21	cps
Terbium	159-1	9895704	9744568	9841232	9827168	0.78	cps
Terbium	159-2	6399371	6339547	6300810	6346576	0.78	cps
Thallium	203-1	117	90	53	87	36.69	cps
Thallium	205-1	193	217	207	206	5.69	cps
Tin	118-1	1563	1410	1663	1546	8.26	cps
Titanium	47-1	833	740	733	769	7.27	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3426-02	Instrumnet Name :	P7
Client Sample ID :	927-K1-WS-073124-FD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:44:15	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	347	417	400	388	9.43	cps
Vanadium	51-2	753	820	687	753	8.85	cps
Yttrium	89-1	10522615	10868999	10708001	10699872	1.62	cps
Yttrium	89-2	2408213	2365714	2372898	2382275	0.95	cps
Zinc	66-2	3130	3254	3134	3173	2.22	cps
Zirconium	90-1	1813	1667	1653	1711	5.19	cps
Zirconium	91-1	320	383	347	350	9.08	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:47:26	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2844	2794	2644	2760	3.77	cps
Antimony	121-1	603	587	623	604	3.04	cps
Arsenic	75-2	533	453	433	473	11.18	cps
Barium	135-1	373409	379922	381250	378193	1.11	cps
Barium	137-1	652303	651361	655183	652949	0.30	cps
Beryllium	9-1	77	77	80	78	2.47	cps
Bismuth	209-1	5435033	5471662	5450580	5452425	0.34	cps
Bismuth	209-2	4507650	4590420	4574498	4557523	0.96	cps
Bromine	81-1	78143	97224	108568	94645	16.25	cps
Bromine	81-2	17294	17380	17377	17350	0.28	cps
Cadmium	108-1	13	13	10	12	15.73	cps
Cadmium	106-1	2597	2517	2527	2547	1.71	cps
Cadmium	111-1	1852	1793	1785	1810	2.02	cps
Calcium	43-1	734577	736940	741429	737649	0.47	cps
Calcium	44-1	10868402	10879964	11233766	10994044	1.89	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2777	2480	2544	2600	6.01	cps
Cobalt	59-2	4101	4424	4431	4318	4.37	cps
Copper	63-2	4097	3904	4047	4016	2.50	cps
Dysprosium	156-1	147	207	177	177	16.98	cps
Dysprosium	156-2	117	103	130	117	11.43	cps
Erbium	164-1	187	257	197	213	17.75	cps
Erbium	164-2	153	113	90	119	26.94	cps
Gadolinium	160-1	187	143	160	163	13.38	cps
Gadolinium	160-2	353	387	370	370	4.51	cps
Holmium	165-1	9181694	9636556	9316469	9378240	2.49	cps
Holmium	165-2	6522062	6576258	6571283	6556534	0.46	cps
Indium	115-1	7905358	7949081	7767470	7873970	1.20	cps
Indium	115-2	2472222	2468321	2493685	2478076	0.55	cps
Iron	56-2	8045842	8199550	8102577	8115990	0.96	cps
Iron	57-2	221460	223827	221063	222117	0.67	cps
Iron	54-2	471138	464979	466840	467652	0.68	cps
Krypton	83-1	203	227	170	200	14.24	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:47:26	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2277	2390	2340	2336	2.43	cps
Lead	207-1	1967	2204	1974	2048	6.58	cps
Lead	208-1	9168	9321	9325	9271	0.97	cps
Lithium	6-1	1690733	1689244	1725618	1701865	1.21	cps
Magnesium	24-2	2486355	2580100	2527541	2531332	1.86	cps
Manganese	55-2	13805035	13562742	13628257	13665345	0.92	cps
Molybdenum	94-1	1337	1513	1447	1432	6.23	cps
Molybdenum	95-1	2003	2340	2084	2142	8.21	cps
Molybdenum	96-1	1807	2003	1843	1885	5.55	cps
Molybdenum	97-1	930	897	843	890	4.91	cps
Molybdenum	98-1	2390	2430	2540	2454	3.17	cps
Neodymium	150-1	200	160	153	171	14.75	cps
Neodymium	150-2	110	83	100	98	13.78	cps
Nickel	60-2	1393	1443	1533	1457	4.87	cps
Phosphorus	31-2	477	497	437	470	6.50	cps
Potassium	39-2	1464071	1454409	1450678	1456386	0.47	cps
Rhodium	103-1	7247348	7257682	7328739	7277923	0.61	cps
Rhodium	103-2	4100688	4118741	4153305	4124245	0.65	cps
Scandium	45-1	5030493	4965034	5043106	5012878	0.84	cps
Scandium	45-2	342224	345173	345885	344427	0.56	cps
Selenium	82-1	300	266	419	328	24.44	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	203	197	237	212	10.10	cps
Silicon	28-1	15605012	15666699	16012439	15761383	1.39	cps
Silver	107-1	473	483	490	482	1.74	cps
Silver	109-1	400	467	513	460	12.38	cps
Sodium	23-2	59843122	60598114	59334387	59925208	1.06	cps
Strontium	86-1	563845	571302	577619	570922	1.21	cps
Strontium	88-1	5014718	5067979	5119713	5067470	1.04	cps
Sulfur	34-1	230255	230862	233416	231511	0.72	cps
Terbium	159-1	9660278	9611402	9741132	9670937	0.68	cps
Terbium	159-2	6609091	6596210	6511769	6572357	0.80	cps
Thallium	203-1	60	57	63	60	5.55	cps
Thallium	205-1	183	177	150	170	10.38	cps
Tin	118-1	6642	6588	6488	6573	1.18	cps
Titanium	47-1	587	597	597	593	0.97	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:47:26	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	277	260	357	298	17.35	cps
Vanadium	51-2	650	717	663	677	5.21	cps
Yttrium	89-1	10681005	10358144	10757967	10599038	2.00	cps
Yttrium	89-2	2371008	2377842	2387086	2378645	0.34	cps
Zinc	66-2	13763	14000	13573	13779	1.55	cps
Zirconium	90-1	1387	1417	1723	1509	12.35	cps
Zirconium	91-1	313	290	317	307	4.74	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-02	Instrumnet Name :	P7
Client Sample ID :	931-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:50:39	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23104	22577	23151	22944	1.39	cps
Antimony	121-1	1440	1603	1587	1543	5.82	cps
Arsenic	75-2	2594	2527	2497	2539	1.95	cps
Barium	135-1	177939	179604	178930	178824	0.47	cps
Barium	137-1	306603	312074	311349	310009	0.96	cps
Beryllium	9-1	137	167	150	151	9.95	cps
Bismuth	209-1	5734559	5662342	5763384	5720095	0.91	cps
Bismuth	209-2	4834399	4629733	4725781	4729971	2.16	cps
Bromine	81-1	40409	42471	42297	41725	2.74	cps
Bromine	81-2	5308	5304	5401	5338	1.03	cps
Cadmium	108-1	20	23	20	21	9.11	cps
Cadmium	106-1	2704	2684	2497	2628	4.34	cps
Cadmium	111-1	1972	2009	1851	1944	4.26	cps
Calcium	43-1	205259	204337	204474	204690	0.24	cps
Calcium	44-1	3123225	3100316	3091198	3104913	0.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9270	9750	9440	9486	2.57	cps
Cobalt	59-2	22934	22484	22914	22777	1.12	cps
Copper	63-2	8322	8379	8172	8291	1.29	cps
Dysprosium	156-1	2537	2724	2494	2585	4.73	cps
Dysprosium	156-2	1910	1927	1857	1898	1.93	cps
Erbium	164-1	3037	2764	2950	2917	4.79	cps
Erbium	164-2	1897	1994	2050	1980	3.92	cps
Gadolinium	160-1	2800	2900	2700	2800	3.57	cps
Gadolinium	160-2	2237	2250	2314	2267	1.81	cps
Holmium	165-1	9791691	9865770	9656305	9771255	1.09	cps
Holmium	165-2	6741668	6520823	6677883	6646791	1.71	cps
Indium	115-1	8226056	8264451	8351465	8280657	0.78	cps
Indium	115-2	2571234	2507780	2603301	2560772	1.90	cps
Iron	56-2	20075686	20582904	20346347	20334979	1.25	cps
Iron	57-2	534508	527873	525792	529391	0.86	cps
Iron	54-2	1160153	1169531	1153763	1161149	0.68	cps
Krypton	83-1	203	183	190	192	5.30	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-02	Instrumnet Name :	P7
Client Sample ID :	931-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:50:39	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9210	9750	9313	9424	3.04	cps
Lead	207-1	7742	8002	8059	7935	2.13	cps
Lead	208-1	35945	37657	36476	36693	2.39	cps
Lithium	6-1	1794316	1796545	1763139	1784667	1.05	cps
Magnesium	24-2	719139	717489	718681	718437	0.12	cps
Manganese	55-2	2372098	2449297	2418111	2413169	1.61	cps
Molybdenum	94-1	3427	3297	3487	3404	2.85	cps
Molybdenum	95-1	2250	2154	2270	2225	2.81	cps
Molybdenum	96-1	2794	3194	2997	2995	6.68	cps
Molybdenum	97-1	1383	1357	1310	1350	2.75	cps
Molybdenum	98-1	3414	3377	3270	3354	2.22	cps
Neodymium	150-1	3674	3737	3607	3673	1.77	cps
Neodymium	150-2	1883	1857	1970	1903	3.11	cps
Nickel	60-2	10053	10247	10110	10137	0.98	cps
Phosphorus	31-2	1883	1567	1697	1716	9.28	cps
Potassium	39-2	721880	721550	726687	723372	0.40	cps
Rhodium	103-1	7845545	7868301	7608793	7774213	1.85	cps
Rhodium	103-2	4206151	4256171	4256101	4239474	0.68	cps
Scandium	45-1	5155148	5219402	5244277	5206276	0.88	cps
Scandium	45-2	355210	352290	356160	354553	0.57	cps
Selenium	82-1	329	362	378	356	7.05	cps
Selenium	77-2	13	7	3	8	65.47	cps
Selenium	78-2	210	193	190	198	5.42	cps
Silicon	28-1	15968189	16109255	16569183	16215542	1.94	cps
Silver	107-1	247	280	370	299	21.35	cps
Silver	109-1	200	233	213	216	7.78	cps
Sodium	23-2	16488604	16609580	16573488	16557224	0.38	cps
Strontium	86-1	142136	142613	143892	142880	0.64	cps
Strontium	88-1	1219859	1224462	1238190	1227504	0.78	cps
Sulfur	34-1	248255	249410	247896	248520	0.32	cps
Terbium	159-1	9894070	9981102	10203046	10026073	1.59	cps
Terbium	159-2	6598332	6638890	6486946	6574723	1.20	cps
Thallium	203-1	100	173	120	131	28.92	cps
Thallium	205-1	260	247	290	266	8.36	cps
Tin	118-1	4384	4884	4621	4630	5.40	cps
Titanium	47-1	2894	3004	2817	2905	3.23	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-02	Instrumnet Name :	P7
Client Sample ID :	931-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:50:39	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1360	1360	1453	1391	3.87	cps
Vanadium	51-2	4577	4571	4634	4594	0.76	cps
Yttrium	89-1	10766509	11032949	11081154	10960204	1.55	cps
Yttrium	89-2	2462825	2480072	2447175	2463357	0.67	cps
Zinc	66-2	14561	14120	14280	14320	1.56	cps
Zirconium	90-1	5955	5725	5941	5873	2.20	cps
Zirconium	91-1	1383	1343	1233	1320	5.88	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:53:52	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17573	17390	17443	17469	0.54	cps
Antimony	121-1	727	763	767	752	2.95	cps
Arsenic	75-2	1663	1480	1460	1535	7.30	cps
Barium	135-1	439863	443590	445207	442886	0.62	cps
Barium	137-1	764337	777208	771829	771125	0.84	cps
Beryllium	9-1	93	93	60	82	23.40	cps
Bismuth	209-1	5441485	5397759	5429081	5422775	0.42	cps
Bismuth	209-2	4547568	4435037	4543988	4508864	1.42	cps
Bromine	81-1	70793	90022	100432	87082	17.27	cps
Bromine	81-2	16299	16349	16966	16538	2.25	cps
Cadmium	108-1	27	10	37	24	55.11	cps
Cadmium	106-1	2710	2714	2464	2629	5.45	cps
Cadmium	111-1	1975	1966	1776	1906	5.91	cps
Calcium	43-1	712459	710212	718204	713625	0.58	cps
Calcium	44-1	10624717	10703807	10657082	10661869	0.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2930	2824	2924	2893	2.07	cps
Cobalt	59-2	6075	5674	5561	5770	4.68	cps
Copper	63-2	6465	6431	6388	6428	0.60	cps
Dysprosium	156-1	643	747	680	690	7.59	cps
Dysprosium	156-2	440	410	433	428	3.68	cps
Erbium	164-1	680	667	727	691	4.56	cps
Erbium	164-2	513	433	427	458	10.54	cps
Gadolinium	160-1	683	630	663	659	4.09	cps
Gadolinium	160-2	713	793	777	761	5.55	cps
Holmium	165-1	9716125	9641665	9532911	9630233	0.96	cps
Holmium	165-2	6451052	6513312	6565945	6510103	0.88	cps
Indium	115-1	8165095	8003629	8099890	8089538	1.00	cps
Indium	115-2	2547978	2506797	2498736	2517837	1.05	cps
Iron	56-2	44510091	44018439	44609564	44379365	0.71	cps
Iron	57-2	1169755	1166707	1172996	1169819	0.27	cps
Iron	54-2	2463654	2377366	2415322	2418781	1.79	cps
Krypton	83-1	170	197	160	176	10.80	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:53:52	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9013	9757	9537	9436	4.05	cps
Lead	207-1	7966	7839	7926	7910	0.82	cps
Lead	208-1	35805	37007	36516	36443	1.66	cps
Lithium	6-1	1666595	1804763	1702197	1724518	4.16	cps
Magnesium	24-2	2366076	2330251	2356394	2350907	0.79	cps
Manganese	55-2	13384587	13391041	13227511	13334379	0.69	cps
Molybdenum	94-1	2174	2167	2337	2226	4.33	cps
Molybdenum	95-1	2890	2740	3080	2904	5.87	cps
Molybdenum	96-1	3901	3330	3534	3588	8.06	cps
Molybdenum	97-1	1967	1443	1493	1635	17.68	cps
Molybdenum	98-1	4985	3941	4157	4361	12.64	cps
Neodymium	150-1	783	863	853	833	5.23	cps
Neodymium	150-2	420	453	493	456	8.06	cps
Nickel	60-2	3537	3554	3480	3524	1.09	cps
Phosphorus	31-2	1317	1280	1173	1257	5.93	cps
Potassium	39-2	1383000	1371174	1369278	1374484	0.54	cps
Rhodium	103-1	7549508	7520559	7548438	7539502	0.22	cps
Rhodium	103-2	4237907	4054228	4091459	4127865	2.35	cps
Scandium	45-1	5088539	5120730	5142073	5117114	0.53	cps
Scandium	45-2	352419	351173	352079	351890	0.18	cps
Selenium	82-1	370	289	380	346	14.43	cps
Selenium	77-2	7	0	3	3	100.05	cps
Selenium	78-2	190	167	203	187	9.94	cps
Silicon	28-1	18031570	18244148	18313435	18196384	0.81	cps
Silver	107-1	11832	12419	12279	12176	2.52	cps
Silver	109-1	11128	11231	11381	11247	1.13	cps
Sodium	23-2	53333643	52630768	52856343	52940251	0.68	cps
Strontium	86-1	580674	593459	585726	586619	1.10	cps
Strontium	88-1	5155880	5121760	5146637	5141426	0.34	cps
Sulfur	34-1	229705	231982	231784	231157	0.55	cps
Terbium	159-1	9735555	10065598	10151015	9984056	2.20	cps
Terbium	159-2	6563162	6482891	6434465	6493506	1.00	cps
Thallium	203-1	103	73	63	80	26.03	cps
Thallium	205-1	220	193	220	211	7.29	cps
Tin	118-1	10914	12192	11378	11495	5.63	cps
Titanium	47-1	3544	3307	3520	3457	3.77	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3429-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-WS-073124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:53:52	DataFile Name :	035SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	627	737	727	697	8.73	cps
Vanadium	51-2	16880	16366	16516	16587	1.59	cps
Yttrium	89-1	10678217	10835369	10652151	10721912	0.92	cps
Yttrium	89-2	2471970	2433204	2389221	2431465	1.70	cps
Zinc	66-2	19066	18378	18935	18793	1.94	cps
Zirconium	90-1	2154	2150	2367	2224	5.58	cps
Zirconium	91-1	530	453	457	480	9.03	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3451-01	Instrumnet Name :	P7
Client Sample ID :	921-J-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:57:04	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17253	17283	17220	17252	0.18	cps
Antimony	121-1	1660	1557	1537	1585	4.18	cps
Arsenic	75-2	710	710	677	699	2.75	cps
Barium	135-1	77218	77376	77265	77286	0.10	cps
Barium	137-1	133076	132713	133503	133097	0.30	cps
Beryllium	9-1	53	57	47	52	9.75	cps
Bismuth	209-1	5376260	5458197	5596846	5477101	2.04	cps
Bismuth	209-2	4510647	4709277	4616955	4612293	2.16	cps
Bromine	81-1	31146	31881	32182	31736	1.68	cps
Bromine	81-2	3797	3767	3577	3714	3.21	cps
Cadmium	108-1	7	13	20	13	49.99	cps
Cadmium	106-1	2367	2577	2547	2497	4.55	cps
Cadmium	111-1	1692	1851	1809	1784	4.62	cps
Calcium	43-1	288197	291380	293044	290874	0.85	cps
Calcium	44-1	4266380	4410902	4375552	4350945	1.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1610	1620	1783	1671	5.82	cps
Cobalt	59-2	1707	1767	1790	1755	2.45	cps
Copper	63-2	7422	7535	7365	7441	1.16	cps
Dysprosium	156-1	337	317	363	339	6.91	cps
Dysprosium	156-2	250	293	220	254	14.49	cps
Erbium	164-1	320	417	353	363	13.51	cps
Erbium	164-2	220	187	250	219	14.47	cps
Gadolinium	160-1	300	327	377	334	11.64	cps
Gadolinium	160-2	463	503	463	477	4.84	cps
Holmium	165-1	9220678	9475417	9446860	9380985	1.49	cps
Holmium	165-2	6477226	6472041	6516743	6488670	0.38	cps
Indium	115-1	7793999	8083866	8049861	7975909	1.99	cps
Indium	115-2	2539075	2493999	2474135	2502403	1.33	cps
Iron	56-2	5771764	5771196	5728936	5757299	0.43	cps
Iron	57-2	153738	154151	154031	153973	0.14	cps
Iron	54-2	333304	329387	329356	330682	0.69	cps
Krypton	83-1	217	187	173	192	11.55	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3451-01	Instrumnet Name :	P7
Client Sample ID :	921-J-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:57:04	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11228	11465	11612	11435	1.69	cps
Lead	207-1	9904	9794	10141	9946	1.78	cps
Lead	208-1	43844	44943	45643	44810	2.02	cps
Lithium	6-1	1668995	1735700	1702390	1702362	1.96	cps
Magnesium	24-2	499667	503867	497611	500382	0.64	cps
Manganese	55-2	580655	580070	573733	578152	0.66	cps
Molybdenum	94-1	1430	1410	1694	1511	10.48	cps
Molybdenum	95-1	1427	1657	1593	1559	7.62	cps
Molybdenum	96-1	1840	1760	1903	1835	3.92	cps
Molybdenum	97-1	1033	927	993	984	5.47	cps
Molybdenum	98-1	2437	2420	2684	2514	5.87	cps
Neodymium	150-1	460	430	530	473	10.84	cps
Neodymium	150-2	257	300	263	273	8.54	cps
Nickel	60-2	913	910	953	926	2.61	cps
Phosphorus	31-2	803	837	737	792	6.43	cps
Potassium	39-2	642523	645312	643748	643861	0.22	cps
Rhodium	103-1	7469082	7458730	7377164	7434992	0.68	cps
Rhodium	103-2	4206168	4219607	4265698	4230491	0.74	cps
Scandium	45-1	5003250	5039182	5086073	5042835	0.82	cps
Scandium	45-2	347586	346958	347748	347431	0.12	cps
Selenium	82-1	244	259	355	286	21.09	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	193	173	140	169	15.95	cps
Silicon	28-1	7049402	7137313	7240956	7142557	1.34	cps
Silver	107-1	283	343	307	311	9.72	cps
Silver	109-1	263	247	253	254	3.30	cps
Sodium	23-2	16052426	15997908	15879312	15976549	0.55	cps
Strontium	86-1	211317	217321	213135	213924	1.44	cps
Strontium	88-1	1882775	1907882	1887690	1892782	0.70	cps
Sulfur	34-1	282582	286828	285832	285081	0.78	cps
Terbium	159-1	9646289	9681684	9653256	9660410	0.19	cps
Terbium	159-2	6523280	6438915	6268908	6410368	2.02	cps
Thallium	203-1	60	67	57	61	8.33	cps
Thallium	205-1	170	137	123	143	16.77	cps
Tin	118-1	2490	2507	2684	2560	4.19	cps
Titanium	47-1	2644	2697	2734	2691	1.68	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3451-01	Instrumnet Name :	P7
Client Sample ID :	921-J-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 17:57:04	DataFile Name :	036SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	517	607	697	607	14.84	cps
Vanadium	51-2	3397	3290	3197	3295	3.04	cps
Yttrium	89-1	10521164	10428895	10533635	10494565	0.55	cps
Yttrium	89-2	2420994	2450826	2423357	2431726	0.68	cps
Zinc	66-2	4191	4231	4054	4158	2.23	cps
Zirconium	90-1	1527	1470	1590	1529	3.93	cps
Zirconium	91-1	373	347	297	339	11.49	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3467-01	Instrumnet Name :	P7
Client Sample ID :	919-J-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:00:16	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	133562	131616	131659	132279	0.84	cps
Antimony	121-1	3244	3240	3130	3205	2.01	cps
Arsenic	75-2	1887	1897	1847	1877	1.41	cps
Barium	135-1	119403	119997	119782	119727	0.25	cps
Barium	137-1	207173	209759	208396	208443	0.62	cps
Beryllium	9-1	203	177	170	183	9.62	cps
Bismuth	209-1	5828276	4959375	5789336	5525662	8.88	cps
Bismuth	209-2	4860643	4819331	4680640	4786871	1.97	cps
Bromine	81-1	21179	22404	22477	22020	3.31	cps
Bromine	81-2	2464	2350	2600	2471	5.07	cps
Cadmium	108-1	67	63	50	60	14.70	cps
Cadmium	106-1	2557	2347	2384	2429	4.62	cps
Cadmium	111-1	2227	2109	2177	2171	2.73	cps
Calcium	43-1	312388	313628	307887	311301	0.97	cps
Calcium	44-1	4672795	4678928	4590829	4647517	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9490	9573	9323	9462	1.35	cps
Cobalt	59-2	7832	8302	7765	7967	3.67	cps
Copper	63-2	57249	57644	56108	57000	1.40	cps
Dysprosium	156-1	2590	2604	2507	2567	2.04	cps
Dysprosium	156-2	1987	1790	1930	1902	5.32	cps
Erbium	164-1	2534	2214	2314	2354	6.96	cps
Erbium	164-2	1627	1583	1607	1606	1.35	cps
Gadolinium	160-1	2554	2557	2597	2569	0.94	cps
Gadolinium	160-2	1837	2100	1960	1966	6.70	cps
Holmium	165-1	10171349	8380571	9707871	9419930	9.87	cps
Holmium	165-2	6630721	6589297	6718297	6646105	0.99	cps
Indium	115-1	8398762	7130578	8222539	7917293	8.68	cps
Indium	115-2	2573058	2599426	2546130	2572871	1.04	cps
Iron	56-2	20204783	19679226	19966493	19950167	1.32	cps
Iron	57-2	522747	522696	517903	521115	0.53	cps
Iron	54-2	1138931	1143815	1134017	1138921	0.43	cps
Krypton	83-1	173	207	240	207	16.13	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3467-01	Instrumnet Name :	P7
Client Sample ID :	919-J-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:00:16	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	74567	74446	73658	74224	0.66	cps
Lead	207-1	63163	62319	62486	62656	0.71	cps
Lead	208-1	290494	290260	287134	289296	0.65	cps
Lithium	6-1	1792056	1541166	1753485	1695569	7.97	cps
Magnesium	24-2	573271	566031	568329	569210	0.65	cps
Manganese	55-2	892916	881353	878971	884413	0.84	cps
Molybdenum	94-1	3204	3034	3080	3106	2.83	cps
Molybdenum	95-1	1803	1903	1783	1830	3.51	cps
Molybdenum	96-1	2660	2530	2500	2564	3.32	cps
Molybdenum	97-1	1143	1153	1153	1150	0.50	cps
Molybdenum	98-1	2930	2867	3170	2989	5.35	cps
Neodymium	150-1	3574	3550	3527	3550	0.66	cps
Neodymium	150-2	1907	1953	2007	1956	2.56	cps
Nickel	60-2	3367	3467	3227	3354	3.60	cps
Phosphorus	31-2	2374	2304	2387	2355	1.90	cps
Potassium	39-2	658971	659243	651731	656648	0.65	cps
Rhodium	103-1	7754504	6812706	7749083	7438764	7.29	cps
Rhodium	103-2	4336984	4406427	4238696	4327369	1.95	cps
Scandium	45-1	5320569	4566140	5215661	5034123	8.12	cps
Scandium	45-2	356183	354338	357305	355942	0.42	cps
Selenium	82-1	339	255	324	306	14.64	cps
Selenium	77-2	7	17	7	10	57.72	cps
Selenium	78-2	190	173	203	189	7.96	cps
Silicon	28-1	11291924	11415671	11343479	11350358	0.55	cps
Silver	107-1	1843	1763	1877	1828	3.19	cps
Silver	109-1	1717	1800	1780	1766	2.46	cps
Sodium	23-2	15414917	15453061	15057213	15308397	1.43	cps
Strontium	86-1	227644	230344	228257	228748	0.62	cps
Strontium	88-1	2014000	2020280	2020094	2018125	0.18	cps
Sulfur	34-1	286209	288511	282671	285797	1.03	cps
Terbium	159-1	10360191	8755715	10137552	9751153	8.91	cps
Terbium	159-2	6555821	6578541	6634665	6589675	0.62	cps
Thallium	203-1	217	223	253	231	8.45	cps
Thallium	205-1	687	600	550	612	11.29	cps
Tin	118-1	3520	3557	3737	3605	3.22	cps
Titanium	47-1	24730	25281	24857	24956	1.16	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3467-01	Instrumnet Name :	P7
Client Sample ID :	919-J-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:00:16	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2257	2240	2224	2240	0.74	cps
Vanadium	51-2	10377	10197	9913	10162	2.30	cps
Yttrium	89-1	11206842	9509674	11087512	10601343	8.94	cps
Yttrium	89-2	2495445	2521952	2490994	2502797	0.67	cps
Zinc	66-2	60231	61048	60830	60703	0.70	cps
Zirconium	90-1	5491	5768	5888	5716	3.56	cps
Zirconium	91-1	1333	1300	1173	1269	6.65	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:03:30	DataFile Name :	038CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5729447	5715747	5692460	5712551	0.33	cps
Antimony	121-1	3364623	3399980	3417030	3393877	0.79	cps
Arsenic	75-2	154822	156748	155576	155715	0.62	cps
Barium	135-1	3984480	3882350	4023854	3963561	1.84	cps
Barium	137-1	6776862	6655276	6731942	6721360	0.91	cps
Beryllium	9-1	645433	654642	652690	650922	0.75	cps
Bismuth	209-1	5359256	5406812	5357654	5374574	0.52	cps
Bismuth	209-2	4386275	4441801	4390937	4406337	0.70	cps
Bromine	81-1	9340	9430	8996	9255	2.47	cps
Bromine	81-2	297	223	280	267	14.42	cps
Cadmium	108-1	55094	56175	56135	55801	1.10	cps
Cadmium	106-1	81406	83354	81903	82221	1.23	cps
Cadmium	111-1	746953	762131	752909	753998	1.01	cps
Calcium	43-1	4746009	4736405	4681697	4721370	0.73	cps
Calcium	44-1	75256026	75310191	75001979	75189398	0.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1121061	1138700	1140219	1133327	0.94	cps
Cobalt	59-2	1686026	1711169	1690174	1695790	0.79	cps
Copper	63-2	11503812	11557444	11683802	11581686	0.80	cps
Dysprosium	156-1	213	200	200	204	3.77	cps
Dysprosium	156-2	253	327	317	299	13.31	cps
Erbium	164-1	220	267	200	229	14.95	cps
Erbium	164-2	120	110	127	119	7.06	cps
Gadolinium	160-1	150	167	170	162	6.61	cps
Gadolinium	160-2	420	400	453	424	6.35	cps
Holmium	165-1	9384429	9709167	9649671	9581089	1.80	cps
Holmium	165-2	6597933	6591432	6486014	6558460	0.96	cps
Indium	115-1	7780315	7890598	7777720	7816211	0.82	cps
Indium	115-2	2420961	2449227	2448351	2439513	0.66	cps
Iron	56-2	237200756	243703103	243229450	241377770	1.50	cps
Iron	57-2	6007524	5942078	5864243	5937948	1.21	cps
Iron	54-2	12942961	13301715	13187450	13144042	1.39	cps
Krypton	83-1	223	227	233	228	2.24	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:03:30	DataFile Name :	038CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10094233	10143573	10346635	10194814	1.31	cps
Lead	207-1	9021335	9041525	8830890	8964583	1.30	cps
Lead	208-1	41148554	40811104	40947749	40969136	0.41	cps
Lithium	6-1	1659759	1684884	1681241	1675295	0.81	cps
Magnesium	24-2	51663093	50716953	51293668	51224571	0.93	cps
Manganese	55-2	7796384	8040874	8002692	7946650	1.66	cps
Molybdenum	94-1	11957101	11888410	11929791	11925101	0.29	cps
Molybdenum	95-1	17436731	17507241	17530056	17491342	0.28	cps
Molybdenum	96-1	18823645	19531363	18935870	19096959	1.99	cps
Molybdenum	97-1	10852796	11076787	10899094	10942892	1.08	cps
Molybdenum	98-1	27625060	28338839	28117358	28027085	1.30	cps
Neodymium	150-1	240	303	323	289	15.06	cps
Neodymium	150-2	117	103	113	111	6.25	cps
Nickel	60-2	430515	427301	428202	428672	0.39	cps
Phosphorus	31-2	65674	66162	67391	66409	1.33	cps
Potassium	39-2	30183841	29895637	30299997	30126492	0.69	cps
Rhodium	103-1	7054423	7063792	7001788	7040001	0.47	cps
Rhodium	103-2	3976136	4014787	4015805	4002243	0.57	cps
Scandium	45-1	5109056	5044928	4973218	5042401	1.35	cps
Scandium	45-2	349058	349524	355215	351266	0.98	cps
Selenium	82-1	50084	50033	50712	50276	0.75	cps
Selenium	77-2	4091	4014	4161	4088	1.79	cps
Selenium	78-2	13950	13857	13927	13911	0.35	cps
Silicon	28-1	31655059	32543201	32213178	32137146	1.40	cps
Silver	107-1	3700108	3743997	3779336	3741147	1.06	cps
Silver	109-1	3574568	3516762	3453524	3514951	1.72	cps
Sodium	23-2	81321837	81003602	81550079	81291839	0.34	cps
Strontium	86-1	25214452	25832393	25113097	25386647	1.53	cps
Strontium	88-1	219666697	223881423	225075043	222874388	1.27	cps
Sulfur	34-1	497789	498941	493420	496716	0.59	cps
Terbium	159-1	9932695	9955002	9864009	9917235	0.48	cps
Terbium	159-2	6564852	6517760	6551840	6544817	0.37	cps
Thallium	203-1	2610138	2624364	2642876	2625793	0.63	cps
Thallium	205-1	6200333	6174705	6319776	6231605	1.24	cps
Tin	118-1	2571741	2630609	2572962	2591770	1.30	cps
Titanium	47-1	4885396	4904395	4775891	4855227	1.43	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P7
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:03:30	DataFile Name :	038CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8196791	8095908	7984437	8092379	1.31	cps
Vanadium	51-2	1022511	1021928	1029503	1024647	0.41	cps
Yttrium	89-1	10923937	10930817	10706273	10853676	1.18	cps
Yttrium	89-2	2407610	2397388	2440752	2415250	0.94	cps
Zinc	66-2	1975274	1973453	1943453	1964060	0.91	cps
Zirconium	90-1	5686145	5744257	5761036	5730479	0.69	cps
Zirconium	91-1	1267524	1283326	1299726	1283525	1.25	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:09:51	DataFile Name :	039CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	227	280	313	273	15.99	cps
Antimony	121-1	903	947	1080	977	9.43	cps
Arsenic	75-2	3	7	20	10	88.20	cps
Barium	135-1	150	120	120	130	13.32	cps
Barium	137-1	183	133	243	187	29.50	cps
Beryllium	9-1	87	80	93	87	7.69	cps
Bismuth	209-1	5615286	5624942	5555763	5598664	0.67	cps
Bismuth	209-2	4787135	4674229	4622949	4694771	1.79	cps
Bromine	81-1	8062	7852	8346	8087	3.06	cps
Bromine	81-2	167	133	103	134	23.57	cps
Cadmium	108-1	17	10	13	13	25.01	cps
Cadmium	106-1	2114	2324	2077	2171	6.13	cps
Cadmium	111-1	1514	1633	1474	1541	5.35	cps
Calcium	43-1	447	410	470	442	6.84	cps
Calcium	44-1	11922	11935	11538	11798	1.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	653	550	603	602	8.58	cps
Cobalt	59-2	107	100	97	101	5.04	cps
Copper	63-2	1027	1073	1117	1072	4.20	cps
Dysprosium	156-1	13	33	27	24	41.66	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	90	87	90	89	2.16	cps
Erbium	164-2	27	43	57	42	35.60	cps
Gadolinium	160-1	47	63	50	53	16.53	cps
Gadolinium	160-2	287	323	233	281	16.10	cps
Holmium	165-1	9265647	9286178	9369903	9307243	0.59	cps
Holmium	165-2	6621666	6487806	6409476	6506316	1.65	cps
Indium	115-1	8139475	7926763	8002273	8022837	1.34	cps
Indium	115-2	2620178	2530603	2494761	2548514	2.53	cps
Iron	56-2	15880	15492	15485	15619	1.45	cps
Iron	57-2	1607	1560	1640	1602	2.51	cps
Iron	54-2	1497	1527	1573	1532	2.52	cps
Krypton	83-1	243	163	163	190	24.31	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:09:51	DataFile Name :	039CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	597	433	463	498	17.47	cps
Lead	207-1	477	430	513	473	8.82	cps
Lead	208-1	2337	1887	2003	2076	11.25	cps
Lithium	6-1	1574058	1629353	1608214	1603875	1.74	cps
Magnesium	24-2	1530	1597	1640	1589	3.49	cps
Manganese	55-2	487	510	497	498	2.35	cps
Molybdenum	94-1	590	607	610	602	1.78	cps
Molybdenum	95-1	443	530	513	496	9.28	cps
Molybdenum	96-1	633	617	690	647	5.94	cps
Molybdenum	97-1	343	287	353	328	10.97	cps
Molybdenum	98-1	750	750	910	803	11.50	cps
Neodymium	150-1	17	20	3	13	66.16	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	170	120	223	171	30.20	cps
Phosphorus	31-2	97	113	133	114	16.04	cps
Potassium	39-2	47949	47313	47267	47510	0.80	cps
Rhodium	103-1	7606669	7675429	7671516	7651205	0.50	cps
Rhodium	103-2	4385250	4302069	4300841	4329387	1.12	cps
Scandium	45-1	5039350	5020586	5019520	5026485	0.22	cps
Scandium	45-2	365738	360901	358991	361876	0.96	cps
Selenium	82-1	247	328	345	307	17.15	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	170	200	193	188	8.39	cps
Silicon	28-1	301255	299427	301978	300887	0.44	cps
Silver	107-1	183	207	173	188	9.11	cps
Silver	109-1	167	97	173	146	29.18	cps
Sodium	23-2	21008	20641	21331	20993	1.65	cps
Strontium	86-1	823	737	770	777	5.63	cps
Strontium	88-1	4031	3904	3784	3906	3.16	cps
Sulfur	34-1	204475	203279	202118	203291	0.58	cps
Terbium	159-1	9800505	9753487	9640112	9731368	0.85	cps
Terbium	159-2	6525383	6402694	6323530	6417202	1.58	cps
Thallium	203-1	157	123	90	123	27.03	cps
Thallium	205-1	277	283	243	268	8.00	cps
Tin	118-1	1033	1013	1083	1043	3.46	cps
Titanium	47-1	150	243	207	200	23.51	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P7
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:09:51	DataFile Name :	039CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	137	97	87	107	24.80	cps
Vanadium	51-2	30	13	3	16	86.63	cps
Yttrium	89-1	10694601	10752457	10745268	10730775	0.29	cps
Yttrium	89-2	2461765	2444436	2449212	2451804	0.37	cps
Zinc	66-2	680	703	687	690	1.74	cps
Zirconium	90-1	737	730	787	751	4.12	cps
Zirconium	91-1	133	160	157	150	9.68	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:13:06	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7822	7702	7345	7623	3.25	cps
Antimony	121-1	600	810	813	741	16.49	cps
Arsenic	75-2	263	257	293	271	7.20	cps
Barium	135-1	101107	103003	103543	102551	1.25	cps
Barium	137-1	179444	181396	178839	179893	0.74	cps
Beryllium	9-1	107	67	63	79	30.57	cps
Bismuth	209-1	5492849	5528521	5385022	5468797	1.37	cps
Bismuth	209-2	4727279	4675374	4679828	4694160	0.61	cps
Bromine	81-1	41409	54259	61916	52528	19.73	cps
Bromine	81-2	9890	10013	10407	10104	2.67	cps
Cadmium	108-1	7	20	30	19	61.96	cps
Cadmium	106-1	2450	2384	2494	2442	2.27	cps
Cadmium	111-1	1777	1708	1761	1749	2.08	cps
Calcium	43-1	448105	444276	448037	446806	0.49	cps
Calcium	44-1	6716083	6594133	6735805	6682007	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1647	1550	1617	1605	3.08	cps
Cobalt	59-2	2387	2404	2420	2404	0.69	cps
Copper	63-2	2947	3090	2960	2999	2.64	cps
Dysprosium	156-1	523	490	540	518	4.92	cps
Dysprosium	156-2	463	370	437	423	11.36	cps
Erbium	164-1	593	640	753	662	12.43	cps
Erbium	164-2	387	337	443	389	13.72	cps
Gadolinium	160-1	570	590	660	607	7.79	cps
Gadolinium	160-2	677	673	640	663	3.06	cps
Holmium	165-1	9519967	9651597	9704687	9625417	0.99	cps
Holmium	165-2	6537542	6676644	6760750	6658312	1.69	cps
Indium	115-1	8121824	8008059	8134267	8088050	0.86	cps
Indium	115-2	2534101	2515808	2536948	2528952	0.45	cps
Iron	56-2	5861375	5777453	5752182	5797003	0.99	cps
Iron	57-2	159732	157490	157041	158087	0.91	cps
Iron	54-2	335023	334895	332827	334248	0.37	cps
Krypton	83-1	180	197	213	197	8.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:13:06	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2717	2747	2714	2726	0.67	cps
Lead	207-1	2157	2224	2227	2202	1.79	cps
Lead	208-1	10970	10498	10375	10614	2.96	cps
Lithium	6-1	1651852	1668020	1678766	1666213	0.81	cps
Magnesium	24-2	899464	884246	887132	890281	0.91	cps
Manganese	55-2	1497264	1454782	1462046	1471364	1.54	cps
Molybdenum	94-1	730	870	723	774	10.69	cps
Molybdenum	95-1	620	507	553	560	10.17	cps
Molybdenum	96-1	763	793	663	740	9.20	cps
Molybdenum	97-1	343	353	327	341	3.95	cps
Molybdenum	98-1	823	763	860	816	5.98	cps
Neodymium	150-1	827	823	807	819	1.31	cps
Neodymium	150-2	423	377	480	427	12.13	cps
Nickel	60-2	980	990	883	951	6.19	cps
Phosphorus	31-2	1253	1330	1143	1242	7.55	cps
Potassium	39-2	1015091	1022513	1007812	1015138	0.72	cps
Rhodium	103-1	7483504	7564685	7484697	7510962	0.62	cps
Rhodium	103-2	4237538	4254697	4277664	4256633	0.47	cps
Scandium	45-1	5019254	5115054	5188726	5107678	1.66	cps
Scandium	45-2	364688	363590	359311	362529	0.78	cps
Selenium	82-1	363	317	353	344	7.08	cps
Selenium	77-2	13	0	0	4	173.21	cps
Selenium	78-2	207	187	210	201	6.27	cps
Silicon	28-1	12440516	12286304	12324354	12350391	0.65	cps
Silver	107-1	223	230	250	234	5.92	cps
Silver	109-1	217	220	193	210	6.92	cps
Sodium	23-2	31373996	31635867	31415196	31475020	0.45	cps
Strontium	86-1	321917	320755	322252	321641	0.24	cps
Strontium	88-1	2910362	2875872	2853042	2879759	1.00	cps
Sulfur	34-1	256170	253553	251558	253760	0.91	cps
Terbium	159-1	9890634	9832125	9895460	9872740	0.36	cps
Terbium	159-2	6454594	6427874	6480844	6454437	0.41	cps
Thallium	203-1	113	117	123	118	4.33	cps
Thallium	205-1	270	253	367	297	20.63	cps
Tin	118-1	2510	2574	2920	2668	8.27	cps
Titanium	47-1	1503	1530	1447	1493	2.85	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:13:06	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	267	293	270	277	5.25	cps
Vanadium	51-2	1117	1173	1103	1131	3.29	cps
Yttrium	89-1	10845981	10742138	10843226	10810448	0.55	cps
Yttrium	89-2	2486169	2461048	2426282	2457833	1.22	cps
Zinc	66-2	2514	2757	2704	2658	4.81	cps
Zirconium	90-1	1127	1280	1087	1165	8.76	cps
Zirconium	91-1	197	283	247	242	17.96	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01DUP	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124DUP	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:16:20	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7879	8002	7865	7915	0.95	cps
Antimony	121-1	613	493	660	589	14.60	cps
Arsenic	75-2	330	280	270	293	10.96	cps
Barium	135-1	105501	105759	106071	105777	0.27	cps
Barium	137-1	185345	181571	183088	183335	1.04	cps
Beryllium	9-1	47	40	80	56	38.57	cps
Bismuth	209-1	5571331	5543235	5498072	5537546	0.67	cps
Bismuth	209-2	4697497	4671316	4672544	4680452	0.32	cps
Bromine	81-1	49293	60142	67507	58980	15.53	cps
Bromine	81-2	10564	10474	10761	10599	1.38	cps
Cadmium	108-1	3	10	23	12	83.33	cps
Cadmium	106-1	2507	2367	2410	2428	2.95	cps
Cadmium	111-1	1783	1723	1704	1737	2.35	cps
Calcium	43-1	445977	451456	459359	452264	1.49	cps
Calcium	44-1	6816569	6922512	6866576	6868552	0.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1670	1457	1703	1610	8.31	cps
Cobalt	59-2	2304	2487	2314	2368	4.35	cps
Copper	63-2	2774	2850	2950	2858	3.10	cps
Dysprosium	156-1	537	543	513	531	2.97	cps
Dysprosium	156-2	420	383	430	411	5.98	cps
Erbium	164-1	640	647	650	646	0.79	cps
Erbium	164-2	463	407	407	426	7.69	cps
Gadolinium	160-1	633	517	627	592	11.06	cps
Gadolinium	160-2	783	680	707	723	7.42	cps
Holmium	165-1	9550601	9547169	9597362	9565044	0.29	cps
Holmium	165-2	6602012	6534148	6601021	6579061	0.59	cps
Indium	115-1	8354857	8227964	8146754	8243192	1.27	cps
Indium	115-2	2556585	2548542	2606052	2570393	1.21	cps
Iron	56-2	5928094	5879056	5845244	5884131	0.71	cps
Iron	57-2	162771	161710	160147	161543	0.82	cps
Iron	54-2	340656	339159	341551	340455	0.35	cps
Krypton	83-1	187	190	170	182	5.88	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01DUP	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124DUP	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:16:20	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2317	2394	2594	2435	5.87	cps
Lead	207-1	2140	2060	2164	2121	2.55	cps
Lead	208-1	9595	9541	10025	9720	2.73	cps
Lithium	6-1	1661420	1707672	1686759	1685284	1.37	cps
Magnesium	24-2	899012	901884	899507	900134	0.17	cps
Manganese	55-2	1526390	1509568	1486866	1507608	1.32	cps
Molybdenum	94-1	703	713	810	742	7.94	cps
Molybdenum	95-1	517	563	480	520	8.03	cps
Molybdenum	96-1	620	743	643	669	9.80	cps
Molybdenum	97-1	267	323	257	282	12.74	cps
Molybdenum	98-1	730	743	797	757	4.66	cps
Neodymium	150-1	787	780	753	773	2.28	cps
Neodymium	150-2	480	380	447	436	11.69	cps
Nickel	60-2	797	773	993	854	14.14	cps
Phosphorus	31-2	1290	1217	1323	1277	4.27	cps
Potassium	39-2	1034715	1023364	1028390	1028823	0.55	cps
Rhodium	103-1	7570194	7591371	7600353	7587306	0.20	cps
Rhodium	103-2	4310280	4364442	4307561	4327427	0.74	cps
Scandium	45-1	5166443	5161861	5185474	5171259	0.24	cps
Scandium	45-2	364237	359819	361179	361745	0.63	cps
Selenium	82-1	364	364	320	349	7.27	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	210	173	223	202	12.80	cps
Silicon	28-1	12447542	12557877	12371042	12458821	0.75	cps
Silver	107-1	193	250	287	243	19.32	cps
Silver	109-1	230	167	163	187	20.12	cps
Sodium	23-2	32443900	32025972	32428894	32299588	0.73	cps
Strontium	86-1	324807	331175	330421	328801	1.06	cps
Strontium	88-1	2882280	2906906	2864130	2884439	0.74	cps
Sulfur	34-1	254689	257072	255479	255747	0.47	cps
Terbium	159-1	10090065	10031162	9887799	10003008	1.04	cps
Terbium	159-2	6528519	6589187	6557848	6558518	0.46	cps
Thallium	203-1	77	93	90	87	10.17	cps
Thallium	205-1	157	123	170	150	16.02	cps
Tin	118-1	1950	1903	2070	1975	4.35	cps
Titanium	47-1	1937	1697	1630	1755	9.20	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01DUP	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124DUP	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:16:20	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	337	267	347	317	13.77	cps
Vanadium	51-2	1147	1193	1103	1148	3.92	cps
Yttrium	89-1	11049055	10885758	11122740	11019185	1.10	cps
Yttrium	89-2	2461341	2493619	2484022	2479661	0.67	cps
Zinc	66-2	2447	2447	2350	2415	2.31	cps
Zirconium	90-1	1123	1080	1073	1092	2.49	cps
Zirconium	91-1	260	220	253	244	8.77	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01LX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124L	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 18:19:31	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4407	4177	4221	4268	2.86	cps
Antimony	121-1	217	220	283	240	15.65	cps
Arsenic	75-2	57	90	60	69	26.65	cps
Barium	135-1	20595	19781	20388	20254	2.09	cps
Barium	137-1	34445	33790	34492	34242	1.15	cps
Beryllium	9-1	60	60	47	56	13.85	cps
Bismuth	209-1	5661342	5719408	5614932	5665227	0.92	cps
Bismuth	209-2	4718767	4718122	4643532	4693474	0.92	cps
Bromine	81-1	22821	23763	23689	23424	2.24	cps
Bromine	81-2	2510	2557	2337	2468	4.70	cps
Cadmium	108-1	13	10	17	13	25.01	cps
Cadmium	106-1	2737	2294	2484	2505	8.88	cps
Cadmium	111-1	1930	1622	1744	1765	8.79	cps
Calcium	43-1	86314	86130	85104	85849	0.76	cps
Calcium	44-1	1323258	1307346	1301295	1310633	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	737	760	797	764	3.96	cps
Cobalt	59-2	483	503	520	502	3.65	cps
Copper	63-2	1247	1363	1303	1305	4.47	cps
Dysprosium	156-1	113	147	113	124	15.47	cps
Dysprosium	156-2	87	77	97	87	11.54	cps
Erbium	164-1	177	177	217	190	12.15	cps
Erbium	164-2	120	140	117	126	10.05	cps
Gadolinium	160-1	137	123	107	122	12.30	cps
Gadolinium	160-2	373	387	387	382	2.01	cps
Holmium	165-1	9586192	9479725	9533482	9533133	0.56	cps
Holmium	165-2	6545586	6595188	6537103	6559292	0.48	cps
Indium	115-1	8257974	8336768	8301278	8298673	0.48	cps
Indium	115-2	2599369	2566480	2578719	2581523	0.64	cps
Iron	56-2	1190225	1191666	1203509	1195134	0.61	cps
Iron	57-2	32970	31283	32278	32177	2.64	cps
Iron	54-2	65967	66442	66426	66278	0.41	cps
Krypton	83-1	207	177	230	204	13.08	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01LX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124L	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 18:19:31	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	680	737	683	700	4.54	cps
Lead	207-1	573	640	600	604	5.55	cps
Lead	208-1	2797	2930	2770	2832	3.03	cps
Lithium	6-1	1701330	1703462	1665181	1689991	1.27	cps
Magnesium	24-2	171606	171876	170716	171400	0.35	cps
Manganese	55-2	293837	291475	294206	293173	0.51	cps
Molybdenum	94-1	287	310	347	314	9.62	cps
Molybdenum	95-1	197	203	163	188	11.41	cps
Molybdenum	96-1	233	257	230	240	6.05	cps
Molybdenum	97-1	110	87	93	97	12.43	cps
Molybdenum	98-1	290	263	283	279	4.98	cps
Neodymium	150-1	163	190	193	182	9.02	cps
Neodymium	150-2	103	90	87	93	9.45	cps
Nickel	60-2	313	310	360	328	8.53	cps
Phosphorus	31-2	327	337	347	337	2.97	cps
Potassium	39-2	233799	232543	232822	233055	0.28	cps
Rhodium	103-1	7665586	8013275	7840422	7839761	2.22	cps
Rhodium	103-2	4417901	4367635	4422165	4402567	0.69	cps
Scandium	45-1	5151126	5085526	5180934	5139195	0.95	cps
Scandium	45-2	364106	359363	361847	361772	0.66	cps
Selenium	82-1	269	318	326	304	10.19	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	223	187	143	184	21.71	cps
Silicon	28-1	2693104	2708796	2623004	2674968	1.71	cps
Silver	107-1	80	90	110	93	16.37	cps
Silver	109-1	53	60	63	59	8.65	cps
Sodium	23-2	6062387	6047503	5983278	6031056	0.70	cps
Strontium	86-1	62776	62673	62291	62580	0.41	cps
Strontium	88-1	545319	542336	539341	542332	0.55	cps
Sulfur	34-1	214386	213761	212395	213514	0.48	cps
Terbium	159-1	9864666	9865811	9875425	9868634	0.06	cps
Terbium	159-2	6594651	6523787	6551708	6556716	0.54	cps
Thallium	203-1	23	77	43	48	56.40	cps
Thallium	205-1	93	110	103	102	8.21	cps
Tin	118-1	1200	1283	1133	1206	6.23	cps
Titanium	47-1	453	480	407	447	8.31	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01LX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124L	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 18:19:31	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67	63	60	63	5.27	cps
Vanadium	51-2	210	253	190	218	14.87	cps
Yttrium	89-1	10947624	10974719	10929382	10950575	0.21	cps
Yttrium	89-2	2505960	2460917	2463998	2476958	1.02	cps
Zinc	66-2	1713	1637	1633	1661	2.72	cps
Zirconium	90-1	593	667	630	630	5.82	cps
Zirconium	91-1	357	127	103	196	71.63	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-04	Instrumnet Name :	P7
Client Sample ID :	922-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:22:47	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6378	6538	6845	6587	3.60	cps
Antimony	121-1	480	533	507	507	5.26	cps
Arsenic	75-2	130	150	137	139	7.33	cps
Barium	135-1	138459	140315	139744	139506	0.68	cps
Barium	137-1	239178	243496	240792	241156	0.90	cps
Beryllium	9-1	47	83	63	64	28.48	cps
Bismuth	209-1	5428664	5391515	5283688	5367956	1.40	cps
Bismuth	209-2	4514539	4438471	4431874	4461628	1.03	cps
Bromine	81-1	69424	91609	101553	87529	18.79	cps
Bromine	81-2	17073	17127	17851	17350	2.50	cps
Cadmium	108-1	20	13	10	14	35.26	cps
Cadmium	106-1	2697	2404	2384	2495	7.03	cps
Cadmium	111-1	1897	1710	1695	1767	6.38	cps
Calcium	43-1	764158	777652	766528	769446	0.94	cps
Calcium	44-1	11397942	11588337	11730793	11572357	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2367	2370	2354	2364	0.37	cps
Cobalt	59-2	19099	19293	19646	19346	1.43	cps
Copper	63-2	1733	1730	1803	1756	2.36	cps
Dysprosium	156-1	867	813	967	882	8.82	cps
Dysprosium	156-2	633	697	623	651	6.11	cps
Erbium	164-1	1033	1073	1043	1050	1.98	cps
Erbium	164-2	733	720	710	721	1.62	cps
Gadolinium	160-1	917	990	900	936	5.12	cps
Gadolinium	160-2	970	1047	937	984	5.73	cps
Holmium	165-1	9587450	9622621	9404254	9538108	1.23	cps
Holmium	165-2	6572408	6501055	6469086	6514183	0.81	cps
Indium	115-1	8011942	8044774	8100646	8052454	0.56	cps
Indium	115-2	2584424	2568404	2538455	2563761	0.91	cps
Iron	56-2	9129204	9090624	9169870	9129899	0.43	cps
Iron	57-2	246973	248411	247409	247597	0.30	cps
Iron	54-2	523715	525269	522963	523983	0.22	cps
Krypton	83-1	157	183	140	160	13.66	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-04	Instrumnet Name :	P7
Client Sample ID :	922-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:22:47	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1027	1083	1000	1037	4.11	cps
Lead	207-1	890	893	960	914	4.32	cps
Lead	208-1	3964	4037	4127	4043	2.02	cps
Lithium	6-1	1646238	1642231	1610893	1633121	1.19	cps
Magnesium	24-2	1788507	1779007	1793230	1786915	0.41	cps
Manganese	55-2	1874972	1848096	1866181	1863083	0.74	cps
Molybdenum	94-1	537	493	580	537	8.07	cps
Molybdenum	95-1	310	340	303	318	6.15	cps
Molybdenum	96-1	387	433	433	418	6.45	cps
Molybdenum	97-1	133	157	143	144	8.10	cps
Molybdenum	98-1	383	333	393	370	8.69	cps
Neodymium	150-1	1200	1187	1233	1207	1.99	cps
Neodymium	150-2	693	590	663	649	8.19	cps
Nickel	60-2	1120	1280	1230	1210	6.77	cps
Phosphorus	31-2	1860	1833	1907	1867	1.99	cps
Potassium	39-2	1688569	1689554	1642409	1673511	1.61	cps
Rhodium	103-1	7512506	7605143	7425921	7514523	1.19	cps
Rhodium	103-2	4209273	4226011	4169429	4201571	0.69	cps
Scandium	45-1	5131324	5093206	5144007	5122846	0.52	cps
Scandium	45-2	358853	359139	357830	358607	0.19	cps
Selenium	82-1	374	397	416	396	5.24	cps
Selenium	77-2	7	3	3	4	43.40	cps
Selenium	78-2	167	210	220	199	14.25	cps
Silicon	28-1	10638602	10743512	10553358	10645157	0.89	cps
Silver	107-1	220	183	207	203	9.13	cps
Silver	109-1	133	163	213	170	23.77	cps
Sodium	23-2	73767164	73054844	72593636	73138548	0.81	cps
Strontium	86-1	572665	572034	569642	571447	0.28	cps
Strontium	88-1	5020288	5120518	5007941	5049582	1.22	cps
Sulfur	34-1	503985	511221	501423	505543	1.01	cps
Terbium	159-1	10074912	10077653	9973216	10041927	0.59	cps
Terbium	159-2	6422654	6284962	6367938	6358518	1.09	cps
Thallium	203-1	103	63	90	86	23.81	cps
Thallium	205-1	213	200	233	216	7.78	cps
Tin	118-1	2104	2094	2017	2071	2.29	cps
Titanium	47-1	977	820	903	900	8.71	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-04	Instrumnet Name :	P7
Client Sample ID :	922-K1-WS-080124	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:22:47	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	227	190	197	204	9.55	cps
Vanadium	51-2	700	603	747	683	10.70	cps
Yttrium	89-1	10963388	10870124	10996237	10943250	0.60	cps
Yttrium	89-2	2506400	2464699	2406974	2459358	2.03	cps
Zinc	66-2	9747	9993	9787	9842	1.35	cps
Zirconium	90-1	1050	1073	1130	1084	3.79	cps
Zirconium	91-1	243	243	220	236	5.72	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:25:57	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1162290	1172878	1162077	1165748	0.53	cps
Antimony	121-1	3631815	3638008	3709415	3659746	1.18	cps
Arsenic	75-2	184845	182733	180693	182757	1.14	cps
Barium	135-1	4087107	4187671	4184999	4153259	1.38	cps
Barium	137-1	7197818	7280233	7132004	7203352	1.03	cps
Beryllium	9-1	715209	736330	735076	728872	1.63	cps
Bismuth	209-1	5634433	5711000	5618304	5654579	0.88	cps
Bismuth	209-2	4650483	4757727	4636227	4681479	1.42	cps
Bromine	81-1	48770	55487	58073	54110	8.87	cps
Bromine	81-2	8853	8609	8986	8816	2.17	cps
Cadmium	108-1	66026	66006	66016	66016	0.02	cps
Cadmium	106-1	97102	98041	97968	97704	0.53	cps
Cadmium	111-1	907564	912265	916998	912276	0.52	cps
Calcium	43-1	1394971	1415661	1356949	1389194	2.14	cps
Calcium	44-1	21867844	22250255	21775476	21964525	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1268217	1268792	1260996	1266002	0.34	cps
Cobalt	59-2	2017565	2031164	2002037	2016922	0.72	cps
Copper	63-2	12823367	12800089	12667021	12763492	0.66	cps
Dysprosium	156-1	650	580	690	640	8.70	cps
Dysprosium	156-2	607	563	597	589	3.85	cps
Erbium	164-1	700	663	697	687	2.95	cps
Erbium	164-2	523	437	387	449	15.40	cps
Gadolinium	160-1	660	630	710	667	6.06	cps
Gadolinium	160-2	713	863	803	793	9.52	cps
Holmium	165-1	9973990	9997476	9759817	9910428	1.32	cps
Holmium	165-2	6807016	6907497	6686824	6800446	1.62	cps
Indium	115-1	8433275	8345492	8052182	8276983	2.41	cps
Indium	115-2	2590234	2602984	2534766	2575995	1.41	cps
Iron	56-2	57819671	58325291	56659112	57601358	1.48	cps
Iron	57-2	1458111	1455660	1433601	1449124	0.93	cps
Iron	54-2	3094142	3208711	3120764	3141206	1.91	cps
Krypton	83-1	213	223	217	218	2.34	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:25:57	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10929020	11059201	10885718	10957979	0.82	cps
Lead	207-1	9729428	9814933	9774384	9772915	0.44	cps
Lead	208-1	43788796	44555116	43793875	44045929	1.00	cps
Lithium	6-1	1701437	1771946	1703547	1725643	2.32	cps
Magnesium	24-2	11560241	11639426	11367233	11522300	1.22	cps
Manganese	55-2	9953460	10193787	10012412	10053219	1.25	cps
Molybdenum	94-1	10100997	10154769	10392919	10216228	1.52	cps
Molybdenum	95-1	13672505	13525913	13906931	13701783	1.40	cps
Molybdenum	96-1	14768601	15123641	15086600	14992947	1.30	cps
Molybdenum	97-1	8585183	8489714	8650043	8574980	0.94	cps
Molybdenum	98-1	22158817	21803415	22039061	22000431	0.82	cps
Neodymium	150-1	913	1053	983	983	7.12	cps
Neodymium	150-2	517	517	457	497	6.97	cps
Nickel	60-2	491717	494558	493795	493357	0.30	cps
Phosphorus	31-2	1260	1223	1237	1240	1.50	cps
Potassium	39-2	7260738	7176125	7164194	7200352	0.73	cps
Rhodium	103-1	7728906	7644567	7833983	7735818	1.23	cps
Rhodium	103-2	4219309	4263435	4328281	4270342	1.28	cps
Scandium	45-1	5266559	5247500	5250037	5254699	0.20	cps
Scandium	45-2	367923	376867	367910	370900	1.39	cps
Selenium	82-1	59309	59431	59962	59567	0.58	cps
Selenium	77-2	5038	4757	5024	4940	3.20	cps
Selenium	78-2	16413	16623	16830	16622	1.25	cps
Silicon	28-1	14504069	14537439	14284491	14442000	0.95	cps
Silver	107-1	2825068	2621104	2916117	2787430	5.42	cps
Silver	109-1	3011094	2306478	2266700	2528091	16.56	cps
Sodium	23-2	48334478	48727556	47005236	48022423	1.88	cps
Strontium	86-1	1536700	1529125	1545368	1537065	0.53	cps
Strontium	88-1	13185419	13247586	13246982	13226662	0.27	cps
Sulfur	34-1	258024	258983	258573	258527	0.19	cps
Terbium	159-1	10345338	10386835	10212998	10315057	0.88	cps
Terbium	159-2	6553042	6812859	6763813	6709905	2.06	cps
Thallium	203-1	2890149	3010673	2956574	2952465	2.04	cps
Thallium	205-1	6868902	6999326	6898952	6922393	0.99	cps
Tin	118-1	2590272	2594929	2589917	2591706	0.11	cps
Titanium	47-1	2767563	2812532	2766642	2782246	0.94	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:25:57	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8976039	9175255	8999538	9050277	1.20	cps
Vanadium	51-2	1179842	1181275	1165153	1175423	0.76	cps
Yttrium	89-1	11355044	10939196	11067689	11120643	1.91	cps
Yttrium	89-2	2523599	2524169	2526777	2524848	0.07	cps
Zinc	66-2	2242524	2247324	2201422	2230423	1.13	cps
Zirconium	90-1	6285030	6317349	6433044	6345141	1.23	cps
Zirconium	91-1	1410337	1419600	1430438	1420125	0.71	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:28:44	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1147054	1151926	1145788	1148256	0.28	cps
Antimony	121-1	3555708	3688667	3695862	3646746	2.16	cps
Arsenic	75-2	181799	181337	181056	181398	0.21	cps
Barium	135-1	4036586	4152368	4162834	4117263	1.70	cps
Barium	137-1	6880448	7093699	6978653	6984266	1.53	cps
Beryllium	9-1	711664	742168	738662	730831	2.28	cps
Bismuth	209-1	5542485	5647544	5447312	5545781	1.81	cps
Bismuth	209-2	4631523	4641222	4618974	4630573	0.24	cps
Bromine	81-1	43952	51503	56852	50769	12.77	cps
Bromine	81-2	8709	8919	9246	8958	3.02	cps
Cadmium	108-1	63261	66127	65607	64998	2.35	cps
Cadmium	106-1	96733	96847	96153	96577	0.39	cps
Cadmium	111-1	886743	906855	903225	898941	1.19	cps
Calcium	43-1	1375725	1419182	1382082	1392330	1.69	cps
Calcium	44-1	21581718	22568314	22405354	22185129	2.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1268099	1248757	1249645	1255501	0.87	cps
Cobalt	59-2	2006085	1995239	2007810	2003045	0.34	cps
Copper	63-2	12856333	12639561	12474573	12656822	1.51	cps
Dysprosium	156-1	627	647	647	640	1.80	cps
Dysprosium	156-2	687	647	630	654	4.45	cps
Erbium	164-1	703	593	703	667	9.53	cps
Erbium	164-2	447	417	413	426	4.31	cps
Gadolinium	160-1	697	560	673	643	11.36	cps
Gadolinium	160-2	737	720	653	703	6.27	cps
Holmium	165-1	9661204	9724112	9806102	9730473	0.75	cps
Holmium	165-2	6687491	6771711	6613622	6690941	1.18	cps
Indium	115-1	8187127	8181564	8031209	8133300	1.09	cps
Indium	115-2	2569107	2512193	2524546	2535282	1.18	cps
Iron	56-2	57000956	56789149	56449469	56746525	0.49	cps
Iron	57-2	1466989	1445650	1443979	1452206	0.88	cps
Iron	54-2	3144466	3128934	3138700	3137367	0.25	cps
Krypton	83-1	220	253	160	211	22.41	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:28:44	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10719086	10919035	10890981	10843034	1.00	cps
Lead	207-1	9460929	9772307	9583163	9605466	1.63	cps
Lead	208-1	43129401	43734331	43811649	43558460	0.86	cps
Lithium	6-1	1697880	1698340	1746725	1714315	1.64	cps
Magnesium	24-2	11270819	11484467	11281139	11345475	1.06	cps
Manganese	55-2	10008496	9770413	9897913	9892274	1.20	cps
Molybdenum	94-1	9889405	9987888	9977441	9951578	0.54	cps
Molybdenum	95-1	13380369	13855860	13790988	13675739	1.89	cps
Molybdenum	96-1	14890066	15263734	14930587	15028129	1.36	cps
Molybdenum	97-1	8278442	8465391	8503664	8415833	1.43	cps
Molybdenum	98-1	21210493	21917336	22220281	21782703	2.38	cps
Neodymium	150-1	873	883	890	882	0.95	cps
Neodymium	150-2	467	420	487	458	7.47	cps
Nickel	60-2	495937	491864	490839	492880	0.55	cps
Phosphorus	31-2	1230	1153	1370	1251	8.78	cps
Potassium	39-2	7147417	7096493	7107345	7117085	0.38	cps
Rhodium	103-1	7402516	7527349	7537367	7489077	1.00	cps
Rhodium	103-2	4256171	4222976	4257172	4245440	0.46	cps
Scandium	45-1	5229857	5262425	5237606	5243296	0.32	cps
Scandium	45-2	361825	359285	364736	361949	0.75	cps
Selenium	82-1	57910	58965	58625	58500	0.92	cps
Selenium	77-2	4711	5038	4557	4769	5.14	cps
Selenium	78-2	15692	16413	16553	16219	2.85	cps
Silicon	28-1	14404372	14414625	15021977	14613658	2.42	cps
Silver	107-1	2766164	3285896	2304341	2785467	17.63	cps
Silver	109-1	3924376	1660631	3803276	3129428	40.69	cps
Sodium	23-2	47940228	48293319	47782481	48005343	0.54	cps
Strontium	86-1	1491134	1534809	1527847	1517930	1.55	cps
Strontium	88-1	12940403	13286185	13384638	13203742	1.77	cps
Sulfur	34-1	252676	253161	256179	254006	0.75	cps
Terbium	159-1	10046033	10281459	9974943	10100812	1.59	cps
Terbium	159-2	6543221	6598669	6644241	6595377	0.77	cps
Thallium	203-1	2946184	2978355	2947079	2957206	0.62	cps
Thallium	205-1	6850378	6922128	6992264	6921590	1.02	cps
Tin	118-1	2488911	2635886	2613992	2579596	3.07	cps
Titanium	47-1	2760493	2802629	2805306	2789476	0.90	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:28:44	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8859243	9116683	8987881	8987936	1.43	cps
Vanadium	51-2	1165511	1153359	1170611	1163160	0.76	cps
Yttrium	89-1	10884307	11169739	11018440	11024162	1.30	cps
Yttrium	89-2	2454233	2527299	2532646	2504726	1.75	cps
Zinc	66-2	2221914	2219953	2219261	2220376	0.06	cps
Zirconium	90-1	6149777	6284613	6425491	6286627	2.19	cps
Zirconium	91-1	1375426	1410165	1432284	1405959	2.04	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01A	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124A	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:31:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1148456	1152978	1133948	1145127	0.87	cps
Antimony	121-1	3595638	3663019	3713404	3657354	1.62	cps
Arsenic	75-2	184936	183672	182120	183576	0.77	cps
Barium	135-1	4091382	4214774	4217298	4174485	1.72	cps
Barium	137-1	7234097	7032970	7184239	7150435	1.46	cps
Beryllium	9-1	740118	748819	761341	750093	1.42	cps
Bismuth	209-1	5683820	5495013	5521340	5566724	1.84	cps
Bismuth	209-2	4651295	4672939	4665197	4663144	0.24	cps
Bromine	81-1	43608	50392	54858	49619	11.42	cps
Bromine	81-2	8332	8786	8893	8670	3.43	cps
Cadmium	108-1	65169	66642	66274	66028	1.16	cps
Cadmium	106-1	97112	98746	98337	98065	0.87	cps
Cadmium	111-1	905909	921269	908213	911797	0.91	cps
Calcium	43-1	1392306	1417492	1431999	1413932	1.42	cps
Calcium	44-1	21678165	22110772	21947392	21912110	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1285153	1272690	1261944	1273262	0.91	cps
Cobalt	59-2	2041133	2078623	1991269	2037008	2.15	cps
Copper	63-2	12807877	12929252	12605149	12780759	1.28	cps
Dysprosium	156-1	610	677	690	659	6.50	cps
Dysprosium	156-2	570	567	720	619	14.15	cps
Erbium	164-1	640	703	650	664	5.12	cps
Erbium	164-2	473	463	433	457	4.56	cps
Gadolinium	160-1	653	760	653	689	8.94	cps
Gadolinium	160-2	750	737	743	743	0.90	cps
Holmium	165-1	10039910	9948675	9871145	9953243	0.85	cps
Holmium	165-2	6834257	6736254	6756061	6775524	0.76	cps
Indium	115-1	8096510	8158090	8034915	8096505	0.76	cps
Indium	115-2	2617323	2553434	2544924	2571894	1.54	cps
Iron	56-2	57333167	57551077	56684596	57189614	0.79	cps
Iron	57-2	1489322	1453343	1411215	1451294	2.69	cps
Iron	54-2	3244309	3156211	3104517	3168346	2.23	cps
Krypton	83-1	157	223	200	193	17.50	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01A	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124A	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:31:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10942890	11003552	10994214	10980219	0.30	cps
Lead	207-1	9780681	9744833	9701220	9742245	0.41	cps
Lead	208-1	44425881	43667399	43800987	43964756	0.92	cps
Lithium	6-1	1749018	1705958	1778117	1744364	2.08	cps
Magnesium	24-2	11507357	11196723	11259576	11321218	1.45	cps
Manganese	55-2	10074057	9794527	9816365	9894983	1.57	cps
Molybdenum	94-1	9898579	10216832	10259699	10125037	1.95	cps
Molybdenum	95-1	13361586	13715365	13907980	13661644	2.03	cps
Molybdenum	96-1	15062211	15210379	15022034	15098208	0.66	cps
Molybdenum	97-1	8582803	8627476	8625950	8612076	0.29	cps
Molybdenum	98-1	21693965	22102103	22115826	21970631	1.09	cps
Neodymium	150-1	917	1023	897	946	7.20	cps
Neodymium	150-2	440	447	470	452	3.48	cps
Nickel	60-2	506730	499532	491172	499145	1.56	cps
Phosphorus	31-2	1237	1303	1213	1251	3.73	cps
Potassium	39-2	7287503	7190662	7000691	7159619	2.04	cps
Rhodium	103-1	7653655	7641268	7576948	7623957	0.54	cps
Rhodium	103-2	4279261	4274330	4188448	4247346	1.20	cps
Scandium	45-1	5299170	5206537	5307312	5271006	1.06	cps
Scandium	45-2	368950	367056	361067	365691	1.13	cps
Selenium	82-1	59412	59505	60478	59798	0.99	cps
Selenium	77-2	4777	4898	5011	4895	2.38	cps
Selenium	78-2	16840	16209	16856	16635	2.22	cps
Silicon	28-1	14546265	14653681	14760964	14653636	0.73	cps
Silver	107-1	2875534	3004270	3705102	3194969	13.97	cps
Silver	109-1	2872087	2498773	3793999	3054953	21.82	cps
Sodium	23-2	48016436	48603028	47568346	48062603	1.08	cps
Strontium	86-1	1536928	1525208	1535423	1532520	0.42	cps
Strontium	88-1	13345250	13210664	13254917	13270277	0.52	cps
Sulfur	34-1	252348	252199	254174	252907	0.43	cps
Terbium	159-1	10231512	10132445	10037001	10133653	0.96	cps
Terbium	159-2	6564308	6737018	6617278	6639535	1.33	cps
Thallium	203-1	2961530	2951202	3013026	2975253	1.11	cps
Thallium	205-1	6977386	7097354	6947442	7007394	1.13	cps
Tin	118-1	2583881	2605812	2596718	2595470	0.42	cps
Titanium	47-1	2772408	2830441	2864770	2822540	1.65	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01A	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124A	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:31:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9191230	9255785	9259465	9235493	0.42	cps
Vanadium	51-2	1192639	1193704	1174127	1186823	0.93	cps
Yttrium	89-1	11257069	11086778	10944592	11096146	1.41	cps
Yttrium	89-2	2464341	2520469	2432731	2472513	1.80	cps
Zinc	66-2	2229845	2234490	2166827	2210387	1.71	cps
Zirconium	90-1	6429718	6390826	6528538	6449694	1.10	cps
Zirconium	91-1	1410402	1434143	1456749	1433764	1.62	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-01	Instrumnet Name :	P7
Client Sample ID :	924-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:34:15	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8559	8416	8396	8457	1.05	cps
Antimony	121-1	3747	4241	4384	4124	8.10	cps
Arsenic	75-2	280	300	293	291	3.50	cps
Barium	135-1	291528	296855	294545	294309	0.91	cps
Barium	137-1	505532	509302	509771	508202	0.46	cps
Beryllium	9-1	227	237	203	222	7.70	cps
Bismuth	209-1	5531746	5433555	5652102	5539135	1.98	cps
Bismuth	209-2	4728237	4537120	4537203	4600853	2.40	cps
Bromine	81-1	66915	86257	94768	82647	17.27	cps
Bromine	81-2	15692	15999	15949	15880	1.04	cps
Cadmium	108-1	17	33	23	24	34.31	cps
Cadmium	106-1	2547	2420	2474	2480	2.56	cps
Cadmium	111-1	1895	1794	1789	1826	3.27	cps
Calcium	43-1	707735	705171	710812	707906	0.40	cps
Calcium	44-1	10676021	10711682	10624244	10670649	0.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2170	2334	2294	2266	3.76	cps
Cobalt	59-2	8963	8906	8696	8855	1.59	cps
Copper	63-2	2887	2587	2734	2736	5.48	cps
Dysprosium	156-1	277	297	293	289	3.71	cps
Dysprosium	156-2	190	260	213	221	16.12	cps
Erbium	164-1	443	417	427	429	3.14	cps
Erbium	164-2	207	210	267	228	14.80	cps
Gadolinium	160-1	327	297	320	314	5.01	cps
Gadolinium	160-2	503	490	470	488	3.44	cps
Holmium	165-1	9456315	9664903	9581902	9567707	1.10	cps
Holmium	165-2	6744527	6647497	6656590	6682871	0.80	cps
Indium	115-1	7992115	8129543	8041543	8054400	0.86	cps
Indium	115-2	2523980	2570196	2499392	2531190	1.42	cps
Iron	56-2	7981746	7967224	7859472	7936147	0.84	cps
Iron	57-2	215878	215751	212058	214562	1.01	cps
Iron	54-2	451158	451514	447866	450179	0.45	cps
Krypton	83-1	187	253	210	217	15.61	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-01	Instrumnet Name :	P7
Client Sample ID :	924-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:34:15	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4437	4394	4191	4341	3.04	cps
Lead	207-1	4064	3727	3564	3785	6.74	cps
Lead	208-1	17681	17368	16898	17316	2.28	cps
Lithium	6-1	1712740	1740457	1737854	1730350	0.88	cps
Magnesium	24-2	1916112	1888603	1886013	1896909	0.88	cps
Manganese	55-2	3344657	3342676	3293057	3326797	0.88	cps
Molybdenum	94-1	2197	1977	2070	2081	5.31	cps
Molybdenum	95-1	2587	2350	2360	2432	5.50	cps
Molybdenum	96-1	2780	2574	2474	2609	6.00	cps
Molybdenum	97-1	1460	1357	1283	1367	6.49	cps
Molybdenum	98-1	3727	3367	3500	3532	5.15	cps
Neodymium	150-1	383	467	390	413	11.20	cps
Neodymium	150-2	263	227	293	261	12.79	cps
Nickel	60-2	1357	1410	1393	1387	1.97	cps
Phosphorus	31-2	573	430	413	472	18.63	cps
Potassium	39-2	1225237	1249198	1222845	1232427	1.18	cps
Rhodium	103-1	7393919	7629391	7543227	7522179	1.58	cps
Rhodium	103-2	4280208	4224959	4185833	4230333	1.12	cps
Scandium	45-1	5190645	5122215	5339292	5217384	2.13	cps
Scandium	45-2	365063	363023	363698	363928	0.29	cps
Selenium	82-1	389	292	370	350	14.59	cps
Selenium	77-2	3	10	0	4	114.60	cps
Selenium	78-2	147	217	147	170	23.77	cps
Silicon	28-1	10791507	11304509	11138019	11078012	2.36	cps
Silver	107-1	7042	7025	6538	6868	4.16	cps
Silver	109-1	6912	6672	6358	6647	4.18	cps
Sodium	23-2	57871896	56833811	56473482	57059730	1.27	cps
Strontium	86-1	517914	520934	515383	518077	0.54	cps
Strontium	88-1	4547501	4597994	4545891	4563795	0.65	cps
Sulfur	34-1	215667	212837	214481	214329	0.66	cps
Terbium	159-1	9912341	10070067	10004592	9995667	0.79	cps
Terbium	159-2	6518098	6503733	6511169	6511000	0.11	cps
Thallium	203-1	453	363	253	357	28.08	cps
Thallium	205-1	803	867	743	804	7.67	cps
Tin	118-1	3734	4011	4334	4026	7.46	cps
Titanium	47-1	1593	1620	1447	1553	6.01	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-01	Instrumnet Name :	P7
Client Sample ID :	924-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:34:15	DataFile Name :	047SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	953	927	840	907	6.54	cps
Vanadium	51-2	867	850	753	823	7.43	cps
Yttrium	89-1	10937810	11149052	10643445	10910102	2.33	cps
Yttrium	89-2	2526582	2464129	2447827	2479512	1.68	cps
Zinc	66-2	3367	3310	3024	3234	5.69	cps
Zirconium	90-1	2387	2150	2380	2306	5.85	cps
Zirconium	91-1	520	530	573	541	5.24	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-02	Instrumnet Name :	P7
Client Sample ID :	932-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:37:26	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3627	3660	3690	3659	0.87	cps
Antimony	121-1	1560	1653	1673	1629	3.71	cps
Arsenic	75-2	293	380	270	314	18.43	cps
Barium	135-1	284525	286935	282987	284815	0.70	cps
Barium	137-1	487223	498222	491618	492354	1.12	cps
Beryllium	9-1	120	107	110	112	6.18	cps
Bismuth	209-1	5507043	5457302	5557803	5507382	0.91	cps
Bismuth	209-2	4604509	4621013	4561574	4595699	0.67	cps
Bromine	81-1	70713	87893	99375	85993	16.77	cps
Bromine	81-2	15879	15755	16102	15912	1.11	cps
Cadmium	108-1	10	23	10	14	53.28	cps
Cadmium	106-1	2634	2430	2484	2516	4.19	cps
Cadmium	111-1	1887	1705	1788	1793	5.07	cps
Calcium	43-1	680931	691746	691555	688077	0.90	cps
Calcium	44-1	10224475	10182060	10448478	10285005	1.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1870	1780	1880	1843	2.99	cps
Cobalt	59-2	7966	7936	7926	7942	0.26	cps
Copper	63-2	2860	2824	3080	2921	4.75	cps
Dysprosium	156-1	227	213	227	222	3.46	cps
Dysprosium	156-2	217	170	173	187	13.95	cps
Erbium	164-1	357	300	380	346	11.91	cps
Erbium	164-2	207	213	247	222	9.64	cps
Gadolinium	160-1	280	280	287	282	1.36	cps
Gadolinium	160-2	453	450	463	456	1.52	cps
Holmium	165-1	9590519	9598697	9520176	9569797	0.45	cps
Holmium	165-2	6626985	6614594	6598810	6613463	0.21	cps
Indium	115-1	8200342	8174053	7909928	8094774	1.98	cps
Indium	115-2	2585582	2619305	2552711	2585866	1.29	cps
Iron	56-2	9176816	9000092	9038887	9071932	1.02	cps
Iron	57-2	245712	245987	244493	245397	0.32	cps
Iron	54-2	518932	517915	518990	518612	0.12	cps
Krypton	83-1	217	197	240	218	9.96	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-02	Instrumnet Name :	P7
Client Sample ID :	932-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:37:26	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2200	2030	2077	2102	4.18	cps
Lead	207-1	1810	1787	1673	1757	4.16	cps
Lead	208-1	8578	8301	8211	8363	2.29	cps
Lithium	6-1	1725243	1713983	1739900	1726375	0.75	cps
Magnesium	24-2	1823303	1862147	1826583	1837344	1.17	cps
Manganese	55-2	2883411	2882204	2799727	2855114	1.68	cps
Molybdenum	94-1	957	1127	1120	1068	9.02	cps
Molybdenum	95-1	990	1067	1117	1058	6.03	cps
Molybdenum	96-1	1177	1243	1253	1225	3.40	cps
Molybdenum	97-1	607	617	547	590	6.42	cps
Molybdenum	98-1	1443	1467	1447	1452	0.87	cps
Neodymium	150-1	347	343	297	329	8.50	cps
Neodymium	150-2	170	170	147	162	8.30	cps
Nickel	60-2	1327	1267	1203	1266	4.87	cps
Phosphorus	31-2	540	420	413	458	15.57	cps
Potassium	39-2	1167728	1239529	1157476	1188244	3.76	cps
Rhodium	103-1	7489188	7474135	7421746	7461690	0.47	cps
Rhodium	103-2	4255680	4307841	4224257	4262593	0.99	cps
Scandium	45-1	5170633	5244501	5150706	5188613	0.95	cps
Scandium	45-2	364389	359781	363288	362486	0.66	cps
Selenium	82-1	329	333	353	338	3.74	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	187	190	200	192	3.61	cps
Silicon	28-1	10359777	10378389	10566077	10434747	1.09	cps
Silver	107-1	4014	3827	3691	3844	4.22	cps
Silver	109-1	3564	3470	3454	3496	1.70	cps
Sodium	23-2	56106684	56031706	55376733	55838374	0.72	cps
Strontium	86-1	508725	504263	503384	505457	0.57	cps
Strontium	88-1	4400519	4523093	4433280	4452297	1.43	cps
Sulfur	34-1	219500	222134	221107	220914	0.60	cps
Terbium	159-1	9906557	10167389	9880758	9984901	1.59	cps
Terbium	159-2	6488111	6629314	6456997	6524807	1.41	cps
Thallium	203-1	120	157	137	138	13.33	cps
Thallium	205-1	327	293	303	308	5.56	cps
Tin	118-1	2110	2267	2047	2141	5.29	cps
Titanium	47-1	1217	1113	1237	1189	5.57	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3457-02	Instrumnet Name :	P7
Client Sample ID :	932-K1-WS-080224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:37:26	DataFile Name :	048SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	260	217	327	268	20.69	cps
Vanadium	51-2	613	623	547	594	7.01	cps
Yttrium	89-1	10940712	10797809	10701203	10813241	1.11	cps
Yttrium	89-2	2469134	2480594	2506742	2485490	0.78	cps
Zinc	66-2	2440	2640	2627	2569	4.35	cps
Zirconium	90-1	1393	1360	1497	1417	5.03	cps
Zirconium	91-1	290	310	353	318	10.19	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-01	Instrumnet Name :	P7
Client Sample ID :	915-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:40:39	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	80600	80419	82098	81039	1.14	cps
Antimony	121-1	2634	2960	2907	2834	6.19	cps
Arsenic	75-2	1213	1303	1200	1239	4.54	cps
Barium	135-1	98598	99827	99952	99459	0.75	cps
Barium	137-1	169940	173200	173104	172081	1.08	cps
Beryllium	9-1	173	110	127	137	24.02	cps
Bismuth	209-1	5652456	5578573	5697868	5642966	1.07	cps
Bismuth	209-2	4636705	4807072	4670983	4704920	1.92	cps
Bromine	81-1	38577	42752	43009	41446	6.00	cps
Bromine	81-2	5771	5748	5718	5746	0.47	cps
Cadmium	108-1	23	27	17	22	22.91	cps
Cadmium	106-1	2564	2524	2450	2512	2.29	cps
Cadmium	111-1	1968	1941	1867	1925	2.73	cps
Calcium	43-1	396742	394730	391436	394303	0.68	cps
Calcium	44-1	5851274	5928486	5908277	5896012	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6221	6308	6555	6361	2.72	cps
Cobalt	59-2	4401	4217	4551	4390	3.80	cps
Copper	63-2	24597	24440	24627	24555	0.41	cps
Dysprosium	156-1	943	923	807	891	8.28	cps
Dysprosium	156-2	660	670	610	647	4.97	cps
Erbium	164-1	777	790	893	820	7.79	cps
Erbium	164-2	563	507	520	530	5.59	cps
Gadolinium	160-1	867	807	817	830	3.87	cps
Gadolinium	160-2	840	853	917	870	4.71	cps
Holmium	165-1	9542042	9755109	9526734	9607962	1.33	cps
Holmium	165-2	6705944	6781605	6680724	6722757	0.78	cps
Indium	115-1	8230924	8165969	8280358	8225750	0.70	cps
Indium	115-2	2597067	2535390	2589436	2573965	1.31	cps
Iron	56-2	11478173	11331780	11355900	11388618	0.69	cps
Iron	57-2	307689	305164	307280	306711	0.44	cps
Iron	54-2	661094	663783	660365	661747	0.27	cps
Krypton	83-1	217	177	213	202	10.98	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-01	Instrumnet Name :	P7
Client Sample ID :	915-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:40:39	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	23631	22943	23150	23241	1.52	cps
Lead	207-1	19227	20118	19958	19768	2.40	cps
Lead	208-1	90835	91106	90932	90958	0.15	cps
Lithium	6-1	1741357	1732261	1752660	1742093	0.59	cps
Magnesium	24-2	708062	704534	705907	706168	0.25	cps
Manganese	55-2	801192	797144	790532	796289	0.68	cps
Molybdenum	94-1	2727	2740	2664	2710	1.51	cps
Molybdenum	95-1	2070	2023	2227	2107	5.06	cps
Molybdenum	96-1	2634	2877	2660	2724	4.90	cps
Molybdenum	97-1	1430	1363	1287	1360	5.27	cps
Molybdenum	98-1	3300	3417	3384	3367	1.79	cps
Neodymium	150-1	1273	1257	1253	1261	0.85	cps
Neodymium	150-2	697	710	683	697	1.91	cps
Nickel	60-2	1993	1997	2007	1999	0.35	cps
Phosphorus	31-2	1567	1510	1500	1526	2.36	cps
Potassium	39-2	724943	722533	723647	723708	0.17	cps
Rhodium	103-1	7710606	7694833	7471468	7625636	1.75	cps
Rhodium	103-2	4341229	4318158	4292981	4317456	0.56	cps
Scandium	45-1	5200623	5226437	5186105	5204389	0.39	cps
Scandium	45-2	364473	363999	362386	363620	0.30	cps
Selenium	82-1	306	399	353	353	13.21	cps
Selenium	77-2	0	10	0	3	173.21	cps
Selenium	78-2	213	230	187	210	10.41	cps
Silicon	28-1	13228064	13325027	13992174	13515088	3.08	cps
Silver	107-1	1100	1167	1093	1120	3.62	cps
Silver	109-1	1070	1080	1073	1074	0.47	cps
Sodium	23-2	21937769	21866706	21758646	21854373	0.41	cps
Strontium	86-1	268593	275934	272817	272448	1.35	cps
Strontium	88-1	2413537	2415667	2367925	2399043	1.12	cps
Sulfur	34-1	303927	300725	301053	301902	0.58	cps
Terbium	159-1	9961780	9895648	10179180	10012203	1.48	cps
Terbium	159-2	6584568	6582465	6552422	6573152	0.27	cps
Thallium	203-1	157	170	133	153	12.10	cps
Thallium	205-1	413	390	367	390	5.98	cps
Tin	118-1	4441	4517	4861	4606	4.86	cps
Titanium	47-1	15094	14911	15311	15105	1.33	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-01	Instrumnet Name :	P7
Client Sample ID :	915-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:40:39	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1080	927	1043	1017	7.88	cps
Vanadium	51-2	5058	5194	5394	5215	3.25	cps
Yttrium	89-1	11116399	11124126	11029297	11089941	0.47	cps
Yttrium	89-2	2492641	2499667	2501069	2497792	0.18	cps
Zinc	66-2	23876	23552	24246	23891	1.45	cps
Zirconium	90-1	3894	4034	4251	4059	4.43	cps
Zirconium	91-1	910	883	923	906	2.25	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:43:51	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5684684	5740232	5753632	5726183	0.64	cps
Antimony	121-1	3332563	3374714	3344476	3350584	0.65	cps
Arsenic	75-2	160316	158567	157846	158909	0.80	cps
Barium	135-1	3905050	3987704	3967050	3953268	1.09	cps
Barium	137-1	6844132	6721200	6837094	6800809	1.02	cps
Beryllium	9-1	638173	663045	663879	655032	2.23	cps
Bismuth	209-1	5382462	5410870	5431828	5408387	0.46	cps
Bismuth	209-2	4393850	4528171	4434059	4452027	1.55	cps
Bromine	81-1	13780	13016	12238	13011	5.92	cps
Bromine	81-2	750	593	620	654	12.81	cps
Cadmium	108-1	57413	57651	57179	57414	0.41	cps
Cadmium	106-1	83786	84564	84903	84418	0.68	cps
Cadmium	111-1	767209	778286	787146	777547	1.28	cps
Calcium	43-1	4684412	4782521	4804026	4756986	1.34	cps
Calcium	44-1	74891789	74607792	76878336	75459306	1.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1141780	1141495	1147390	1143555	0.29	cps
Cobalt	59-2	1733601	1741005	1698933	1724513	1.30	cps
Copper	63-2	11823961	11851682	11815563	11830402	0.16	cps
Dysprosium	156-1	223	200	207	210	5.72	cps
Dysprosium	156-2	297	277	303	292	4.75	cps
Erbium	164-1	203	230	263	232	12.95	cps
Erbium	164-2	127	180	147	151	17.83	cps
Gadolinium	160-1	193	197	170	187	7.79	cps
Gadolinium	160-2	350	473	430	418	14.98	cps
Holmium	165-1	9942898	9617436	9628359	9729564	1.90	cps
Holmium	165-2	6651252	6826555	6634019	6703942	1.59	cps
Indium	115-1	8072816	7891181	7937522	7967173	1.18	cps
Indium	115-2	2485920	2424782	2468219	2459640	1.28	cps
Iron	56-2	243959890	239385936	239531023	240958950	1.08	cps
Iron	57-2	6016556	6056148	5937202	6003302	1.01	cps
Iron	54-2	13034148	13293850	12994960	13107653	1.24	cps
Krypton	83-1	203	263	207	224	15.02	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:43:51	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10153307	10296292	10268594	10239398	0.74	cps
Lead	207-1	8960575	9108876	9001900	9023783	0.85	cps
Lead	208-1	40700971	41611032	41330593	41214199	1.13	cps
Lithium	6-1	1783538	1709494	1758210	1750414	2.15	cps
Magnesium	24-2	50351536	51329298	50676549	50785794	0.98	cps
Manganese	55-2	7917275	7997755	8096081	8003703	1.12	cps
Molybdenum	94-1	12135114	12104719	12165509	12135114	0.25	cps
Molybdenum	95-1	17688121	17829501	17490162	17669261	0.96	cps
Molybdenum	96-1	18813518	18920705	19577234	19103819	2.16	cps
Molybdenum	97-1	10922612	10823697	10991478	10912596	0.77	cps
Molybdenum	98-1	27872950	28305937	28239117	28139335	0.83	cps
Neodymium	150-1	287	267	300	284	5.90	cps
Neodymium	150-2	103	130	120	118	11.44	cps
Nickel	60-2	429200	431042	429785	430009	0.22	cps
Phosphorus	31-2	66028	66095	67046	66390	0.86	cps
Potassium	39-2	30217365	30163690	30248893	30209982	0.14	cps
Rhodium	103-1	7263226	7144412	7180203	7195947	0.85	cps
Rhodium	103-2	4051807	4041157	3987171	4026712	0.86	cps
Scandium	45-1	5252657	5023346	5181873	5152625	2.28	cps
Scandium	45-2	358971	360851	356264	358696	0.64	cps
Selenium	82-1	52523	52631	52429	52528	0.19	cps
Selenium	77-2	4301	4247	4397	4315	1.76	cps
Selenium	78-2	14611	14400	14377	14463	0.89	cps
Silicon	28-1	32814357	32587646	32461048	32621017	0.55	cps
Silver	107-1	3851064	3875883	3887712	3871553	0.48	cps
Silver	109-1	3622025	3651519	3694965	3656169	1.00	cps
Sodium	23-2	80878929	82349284	81393509	81540574	0.92	cps
Strontium	86-1	25719345	25850241	25904391	25824659	0.37	cps
Strontium	88-1	227526257	224012743	223914223	225151074	0.91	cps
Sulfur	34-1	493378	493481	488303	491720	0.60	cps
Terbium	159-1	10058970	10094834	10049995	10067933	0.24	cps
Terbium	159-2	6517910	6532143	6620883	6556978	0.85	cps
Thallium	203-1	2563220	2657994	2694788	2638667	2.57	cps
Thallium	205-1	6147778	6293331	6354897	6265335	1.70	cps
Tin	118-1	2564033	2639246	2601338	2601539	1.45	cps
Titanium	47-1	4959395	4804765	4975702	4913288	1.92	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P7
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:43:51	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7921999	8075246	8220413	8072553	1.85	cps
Vanadium	51-2	1019741	1032682	1018228	1023550	0.78	cps
Yttrium	89-1	10914743	10917808	11006002	10946184	0.47	cps
Yttrium	89-2	2386548	2455684	2395025	2412419	1.56	cps
Zinc	66-2	2032170	2029316	2016824	2026103	0.40	cps
Zirconium	90-1	5668660	5788742	5921167	5792856	2.18	cps
Zirconium	91-1	1290234	1302479	1303797	1298837	0.58	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:49:05	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	353	290	377	340	13.19	cps
Antimony	121-1	1027	1320	1767	1371	27.18	cps
Arsenic	75-2	7	13	7	9	43.25	cps
Barium	135-1	100	83	133	106	24.12	cps
Barium	137-1	163	183	153	167	9.16	cps
Beryllium	9-1	110	90	110	103	11.17	cps
Bismuth	209-1	5610353	5729169	5273157	5537560	4.27	cps
Bismuth	209-2	4692419	4808717	4833004	4778047	1.57	cps
Bromine	81-1	8463	8623	8596	8560	1.00	cps
Bromine	81-2	193	197	227	206	8.93	cps
Cadmium	108-1	20	17	7	14	48.02	cps
Cadmium	106-1	2350	2577	2104	2344	10.10	cps
Cadmium	111-1	1668	1819	1494	1660	9.78	cps
Calcium	43-1	343	457	340	380	17.48	cps
Calcium	44-1	12249	11135	11228	11537	5.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	553	620	567	580	6.08	cps
Cobalt	59-2	113	73	97	94	21.28	cps
Copper	63-2	1167	1243	1317	1242	6.04	cps
Dysprosium	156-1	20	33	37	30	29.40	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	80	83	77	80	4.16	cps
Erbium	164-2	47	30	30	36	27.07	cps
Gadolinium	160-1	37	50	37	41	18.72	cps
Gadolinium	160-2	327	290	317	311	6.09	cps
Holmium	165-1	9376136	9331510	8819115	9175587	3.37	cps
Holmium	165-2	6569224	6575000	6535807	6560010	0.32	cps
Indium	115-1	8180894	8275868	7758016	8071593	3.42	cps
Indium	115-2	2546796	2610892	2550617	2569435	1.40	cps
Iron	56-2	16329	17293	18679	17434	6.77	cps
Iron	57-2	1650	1673	1697	1673	1.39	cps
Iron	54-2	1647	1603	1787	1679	5.71	cps
Krypton	83-1	220	193	193	202	7.61	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:49:05	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	640	603	580	608	4.98	cps
Lead	207-1	483	557	507	516	7.27	cps
Lead	208-1	2543	2540	2290	2458	5.91	cps
Lithium	6-1	1684712	1634399	1559058	1626057	3.89	cps
Magnesium	24-2	1760	1870	2100	1910	9.08	cps
Manganese	55-2	433	523	560	506	12.89	cps
Molybdenum	94-1	623	630	683	646	5.09	cps
Molybdenum	95-1	563	477	607	549	12.06	cps
Molybdenum	96-1	593	680	700	658	8.62	cps
Molybdenum	97-1	367	303	423	364	16.47	cps
Molybdenum	98-1	813	860	900	858	5.06	cps
Neodymium	150-1	10	17	3	10	66.70	cps
Neodymium	150-2	0	10	10	7	86.60	cps
Nickel	60-2	237	193	190	207	12.60	cps
Phosphorus	31-2	133	87	120	113	21.21	cps
Potassium	39-2	48286	48454	48544	48428	0.27	cps
Rhodium	103-1	7807788	7745696	7318546	7624010	3.49	cps
Rhodium	103-2	4417620	4401549	4346616	4388595	0.85	cps
Scandium	45-1	5045937	5099134	4828089	4991053	2.88	cps
Scandium	45-2	367133	365319	360467	364306	0.95	cps
Selenium	82-1	286	294	276	285	3.25	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	243	177	223	214	15.95	cps
Silicon	28-1	299906	301242	301497	300882	0.28	cps
Silver	107-1	417	287	210	304	34.32	cps
Silver	109-1	420	190	217	276	45.65	cps
Sodium	23-2	27398	27611	27588	27532	0.43	cps
Strontium	86-1	780	693	780	751	6.66	cps
Strontium	88-1	3547	3210	3697	3485	7.15	cps
Sulfur	34-1	198090	198866	198869	198608	0.23	cps
Terbium	159-1	9823507	9740850	9385702	9650020	2.41	cps
Terbium	159-2	6433338	6582277	6476300	6497305	1.18	cps
Thallium	203-1	137	100	153	130	20.99	cps
Thallium	205-1	303	260	273	279	7.96	cps
Tin	118-1	1150	1180	2358	1563	44.08	cps
Titanium	47-1	243	260	257	253	3.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P7
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:49:05	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	103	133	133	123	14.05	cps
Vanadium	51-2	30	40	60	43	35.25	cps
Yttrium	89-1	10976479	10854752	10279976	10703736	3.48	cps
Yttrium	89-2	2537863	2456255	2429650	2474589	2.28	cps
Zinc	66-2	790	767	793	783	1.86	cps
Zirconium	90-1	737	850	873	820	8.92	cps
Zirconium	91-1	160	167	227	184	19.91	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-02	Instrumnet Name :	P7
Client Sample ID :	920-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:55:43	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13880	13359	13563	13601	1.93	cps
Antimony	121-1	1603	1657	1880	1713	8.57	cps
Arsenic	75-2	700	763	753	739	4.61	cps
Barium	135-1	89935	92176	92256	91456	1.44	cps
Barium	137-1	156882	159562	159219	158554	0.92	cps
Beryllium	9-1	60	87	67	71	19.52	cps
Bismuth	209-1	5522402	5467583	5423108	5471031	0.91	cps
Bismuth	209-2	4645550	4633105	4674937	4651197	0.46	cps
Bromine	81-1	28150	33428	37147	32908	13.74	cps
Bromine	81-2	5134	5221	5194	5183	0.86	cps
Cadmium	108-1	10	7	13	10	33.30	cps
Cadmium	106-1	2160	2247	2260	2222	2.44	cps
Cadmium	111-1	1545	1601	1623	1590	2.52	cps
Calcium	43-1	402038	406250	401986	403425	0.61	cps
Calcium	44-1	6067321	6122231	6022123	6070558	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1853	1813	1917	1861	2.80	cps
Cobalt	59-2	2400	2330	2387	2372	1.57	cps
Copper	63-2	8706	8693	8583	8660	0.78	cps
Dysprosium	156-1	227	277	280	261	11.44	cps
Dysprosium	156-2	233	213	227	224	4.54	cps
Erbium	164-1	313	297	357	322	9.61	cps
Erbium	164-2	180	203	170	184	9.28	cps
Gadolinium	160-1	310	310	277	299	6.44	cps
Gadolinium	160-2	477	493	500	490	2.45	cps
Holmium	165-1	9483804	9713914	9497434	9565051	1.35	cps
Holmium	165-2	6604929	6480772	6645552	6577084	1.31	cps
Indium	115-1	8263923	8180748	8275539	8240070	0.63	cps
Indium	115-2	2689712	2686412	2590430	2655518	2.12	cps
Iron	56-2	6301277	6237856	6244679	6261271	0.56	cps
Iron	57-2	168309	166943	168436	167896	0.49	cps
Iron	54-2	359142	356502	358127	357923	0.37	cps
Krypton	83-1	120	190	230	180	30.93	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-02	Instrumnet Name :	P7
Client Sample ID :	920-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:55:43	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6645	6835	6625	6702	1.73	cps
Lead	207-1	5848	5908	5728	5828	1.57	cps
Lead	208-1	26427	26974	26394	26598	1.23	cps
Lithium	6-1	1639596	1626910	1628710	1631739	0.42	cps
Magnesium	24-2	713367	707710	711784	710954	0.41	cps
Manganese	55-2	830577	823468	826218	826754	0.43	cps
Molybdenum	94-1	1567	1537	1577	1560	1.33	cps
Molybdenum	95-1	1500	1540	1697	1579	6.58	cps
Molybdenum	96-1	1853	1890	1913	1886	1.60	cps
Molybdenum	97-1	947	1147	927	1007	12.08	cps
Molybdenum	98-1	2540	2600	2467	2536	2.63	cps
Neodymium	150-1	330	407	387	374	10.62	cps
Neodymium	150-2	213	230	187	210	10.41	cps
Nickel	60-2	940	967	1003	970	3.28	cps
Phosphorus	31-2	837	1003	987	942	9.74	cps
Potassium	39-2	736469	738379	750323	741724	1.01	cps
Rhodium	103-1	7727871	7683026	7645076	7685324	0.54	cps
Rhodium	103-2	4366196	4394531	4388233	4382987	0.34	cps
Scandium	45-1	5174165	5236878	5164691	5191911	0.76	cps
Scandium	45-2	367268	365983	369481	367577	0.48	cps
Selenium	82-1	379	325	326	343	9.02	cps
Selenium	77-2	10	0	3	4	114.60	cps
Selenium	78-2	250	207	213	223	10.45	cps
Silicon	28-1	10453768	10385454	10358337	10399186	0.47	cps
Silver	107-1	460	417	387	421	8.75	cps
Silver	109-1	393	293	343	343	14.56	cps
Sodium	23-2	22669548	22385900	23086448	22713965	1.55	cps
Strontium	86-1	276521	281799	281444	279921	1.05	cps
Strontium	88-1	2500213	2501371	2474178	2491921	0.62	cps
Sulfur	34-1	302458	298760	295417	298878	1.18	cps
Terbium	159-1	9745958	9929146	10031218	9902107	1.46	cps
Terbium	159-2	6451664	6469521	6468695	6463294	0.16	cps
Thallium	203-1	107	113	87	102	13.58	cps
Thallium	205-1	310	267	240	272	12.98	cps
Tin	118-1	2180	2230	2270	2227	2.03	cps
Titanium	47-1	2447	2334	2347	2376	2.61	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3609-02	Instrumnet Name :	P7
Client Sample ID :	920-J-WS-081424	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:55:43	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	477	487	380	448	13.16	cps
Vanadium	51-2	2387	2237	2330	2318	3.27	cps
Yttrium	89-1	11133499	10952841	10804460	10963600	1.50	cps
Yttrium	89-2	2554181	2512904	2497955	2521680	1.15	cps
Zinc	66-2	7319	7639	7509	7489	2.15	cps
Zirconium	90-1	1717	1810	1803	1777	2.93	cps
Zirconium	91-1	373	363	363	367	1.57	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BL	Instrumnet Name :	P7
Client Sample ID :	PB162951BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:58:57	DataFile Name :	053CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	183	203	230	206	11.39	cps
Antimony	121-1	217	257	287	253	13.86	cps
Arsenic	75-2	7	7	0	4	86.60	cps
Barium	135-1	67	63	57	62	8.18	cps
Barium	137-1	103	100	87	97	9.12	cps
Beryllium	9-1	50	70	53	58	18.55	cps
Bismuth	209-1	5630333	5518281	5571768	5573460	1.01	cps
Bismuth	209-2	4684635	4723804	4712961	4707133	0.43	cps
Bromine	81-1	10937	10627	9897	10487	5.10	cps
Bromine	81-2	377	307	280	321	15.55	cps
Cadmium	108-1	7	7	20	11	69.25	cps
Cadmium	106-1	2504	2540	2554	2532	1.02	cps
Cadmium	111-1	1755	1794	1784	1777	1.14	cps
Calcium	43-1	397	380	340	372	7.82	cps
Calcium	44-1	11081	11268	10941	11097	1.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	553	583	500	546	7.74	cps
Cobalt	59-2	50	87	70	69	26.65	cps
Copper	63-2	793	827	777	799	3.19	cps
Dysprosium	156-1	20	30	13	21	39.75	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	73	87	70	77	11.51	cps
Erbium	164-2	43	50	33	42	19.87	cps
Gadolinium	160-1	43	40	63	49	25.81	cps
Gadolinium	160-2	287	297	290	291	1.75	cps
Holmium	165-1	9408162	9470651	9327335	9402049	0.76	cps
Holmium	165-2	6528353	6498386	6436336	6487692	0.72	cps
Indium	115-1	8167992	8180660	8211653	8186768	0.27	cps
Indium	115-2	2622389	2624087	2615420	2620632	0.18	cps
Iron	56-2	10254	11366	9863	10494	7.43	cps
Iron	57-2	1443	1597	1523	1521	5.04	cps
Iron	54-2	1377	1423	1323	1375	3.64	cps
Krypton	83-1	213	230	213	219	4.39	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BL	Instrumnet Name :	P7
Client Sample ID :	PB162951BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:58:57	DataFile Name :	053CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	343	270	273	296	14.01	cps
Lead	207-1	220	250	270	247	10.20	cps
Lead	208-1	1327	1153	1157	1212	8.18	cps
Lithium	6-1	1635256	1628721	1613946	1625974	0.67	cps
Magnesium	24-2	553	610	537	567	6.78	cps
Manganese	55-2	273	427	290	330	25.49	cps
Molybdenum	94-1	313	250	230	264	16.45	cps
Molybdenum	95-1	97	123	133	118	16.09	cps
Molybdenum	96-1	150	150	187	162	13.05	cps
Molybdenum	97-1	57	93	93	81	26.10	cps
Molybdenum	98-1	180	183	197	187	4.72	cps
Neodymium	150-1	3	10	13	9	57.30	cps
Neodymium	150-2	0	13	0	4	173.21	cps
Nickel	60-2	123	150	170	148	15.84	cps
Phosphorus	31-2	90	100	137	109	22.57	cps
Potassium	39-2	47447	48286	48180	47971	0.95	cps
Rhodium	103-1	7799033	7953341	7788103	7846826	1.18	cps
Rhodium	103-2	4409199	4392847	4405742	4402596	0.20	cps
Scandium	45-1	5082682	5159072	5084742	5108832	0.85	cps
Scandium	45-2	366556	364664	366792	366004	0.32	cps
Selenium	82-1	263	318	311	298	10.07	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	180	213	200	198	8.48	cps
Silicon	28-1	302779	302704	301355	302279	0.27	cps
Silver	107-1	193	117	97	136	37.64	cps
Silver	109-1	120	63	63	82	39.79	cps
Sodium	23-2	21856	21946	21402	21734	1.34	cps
Strontium	86-1	413	413	423	417	1.39	cps
Strontium	88-1	630	473	487	530	16.39	cps
Sulfur	34-1	198934	202486	199832	200417	0.92	cps
Terbium	159-1	9934798	10039160	9973892	9982617	0.53	cps
Terbium	159-2	6381007	6496448	6548403	6475286	1.32	cps
Thallium	203-1	60	43	50	51	16.42	cps
Thallium	205-1	93	83	103	93	10.71	cps
Tin	118-1	793	1043	967	934	13.71	cps
Titanium	47-1	143	137	113	131	12.02	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BL	Instrumnet Name :	P7
Client Sample ID :	PB162951BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 18:58:57	DataFile Name :	053CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27	20	17	21	24.12	cps
Vanadium	51-2	3	13	0	6	124.93	cps
Yttrium	89-1	10980244	10839966	10713527	10844579	1.23	cps
Yttrium	89-2	2523093	2502879	2529484	2518485	0.55	cps
Zinc	66-2	707	700	700	702	0.55	cps
Zirconium	90-1	540	470	523	511	7.15	cps
Zirconium	91-1	110	113	130	118	9.10	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BS	Instrumnet Name :	P7
Client Sample ID :	PB162951BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:02:13	DataFile Name :	054LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1154520	1213038	1183146	1183568	2.47	cps
Antimony	121-1	3467179	3506999	3557658	3510612	1.29	cps
Arsenic	75-2	170642	167480	170021	169381	0.99	cps
Barium	135-1	4224650	4245544	4195465	4221886	0.60	cps
Barium	137-1	7129885	7186634	7264867	7193795	0.94	cps
Beryllium	9-1	662807	673991	677196	671331	1.13	cps
Bismuth	209-1	5709814	5701427	5682196	5697812	0.25	cps
Bismuth	209-2	4649526	4614478	4717727	4660577	1.13	cps
Bromine	81-1	8202	8402	7812	8139	3.69	cps
Bromine	81-2	170	127	177	158	17.21	cps
Cadmium	108-1	62042	61416	62547	62002	0.91	cps
Cadmium	106-1	89621	91919	90631	90723	1.27	cps
Cadmium	111-1	840068	855908	840514	845497	1.07	cps
Calcium	43-1	1149782	1162436	1170107	1160775	0.88	cps
Calcium	44-1	16597063	17135195	17347028	17026428	2.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1248605	1250329	1224245	1241060	1.18	cps
Cobalt	59-2	1898210	1872299	1883688	1884732	0.69	cps
Copper	63-2	13093352	13159702	13083281	13112112	0.32	cps
Dysprosium	156-1	133	103	137	124	14.76	cps
Dysprosium	156-2	243	187	200	210	14.11	cps
Erbium	164-1	163	140	143	149	8.48	cps
Erbium	164-2	100	137	103	113	17.89	cps
Gadolinium	160-1	103	120	87	103	16.13	cps
Gadolinium	160-2	330	297	303	310	5.69	cps
Holmium	165-1	10008914	9848403	9827510	9894942	1.00	cps
Holmium	165-2	6620866	6732537	6752362	6701922	1.06	cps
Indium	115-1	8492328	8235149	8145156	8290878	2.17	cps
Indium	115-2	2590489	2596610	2561385	2582828	0.73	cps
Iron	56-2	53294373	53497491	50827856	52539906	2.83	cps
Iron	57-2	1374673	1386366	1360175	1373738	0.96	cps
Iron	54-2	2888188	2936885	2911586	2912219	0.84	cps
Krypton	83-1	167	167	207	180	12.83	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BS	Instrumnet Name :	P7
Client Sample ID :	PB162951BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:02:13	DataFile Name :	054LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11082972	11130244	11125356	11112857	0.23	cps
Lead	207-1	9771530	9668227	9741182	9726979	0.55	cps
Lead	208-1	44271279	44105791	44572481	44316517	0.53	cps
Lithium	6-1	1686812	1753207	1695705	1711908	2.11	cps
Magnesium	24-2	10641758	10810146	10924648	10792184	1.32	cps
Manganese	55-2	8632931	8797932	8713582	8714815	0.95	cps
Molybdenum	94-1	12609115	12653026	12840899	12701013	0.97	cps
Molybdenum	95-1	18377189	18711627	18312383	18467066	1.16	cps
Molybdenum	96-1	20173909	20526915	20406500	20369108	0.88	cps
Molybdenum	97-1	11477387	11736056	11629231	11614225	1.12	cps
Molybdenum	98-1	29246308	30520976	29770060	29845781	2.15	cps
Neodymium	150-1	233	230	187	217	12.02	cps
Neodymium	150-2	97	77	77	83	13.86	cps
Nickel	60-2	483680	480071	484935	482895	0.52	cps
Phosphorus	31-2	71268	72454	71114	71612	1.02	cps
Potassium	39-2	6552793	6513328	6449056	6505059	0.80	cps
Rhodium	103-1	7606652	7847019	7655480	7703050	1.65	cps
Rhodium	103-2	4297858	4332106	4292893	4307619	0.50	cps
Scandium	45-1	5259804	5210489	5259216	5243170	0.54	cps
Scandium	45-2	369607	368932	359933	366157	1.47	cps
Selenium	82-1	55292	56347	56220	55953	1.03	cps
Selenium	77-2	4737	4637	4544	4640	2.08	cps
Selenium	78-2	15555	15879	15542	15658	1.22	cps
Silicon	28-1	33297445	33610116	33374692	33427418	0.49	cps
Silver	107-1	4173152	4145901	4191743	4170265	0.55	cps
Silver	109-1	3982551	4039044	4108769	4043455	1.56	cps
Sodium	23-2	17111802	17205709	17363303	17226938	0.74	cps
Strontium	86-1	27330417	27565570	27576069	27490685	0.51	cps
Strontium	88-1	236864776	241309576	237369370	238514574	1.02	cps
Sulfur	34-1	514166	515849	511079	513698	0.47	cps
Terbium	159-1	9944581	10146452	10131900	10074311	1.12	cps
Terbium	159-2	6735911	6687785	6781858	6735185	0.70	cps
Thallium	203-1	2831741	2854937	2785867	2824182	1.24	cps
Thallium	205-1	6697993	6682822	6807651	6729489	1.01	cps
Tin	118-1	2800244	2791041	2782386	2791224	0.32	cps
Titanium	47-1	5253948	5270737	5179849	5234845	0.92	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162951BS	Instrumnet Name :	P7
Client Sample ID :	PB162951BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:02:13	DataFile Name :	054LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8351518	8529764	8558424	8479902	1.32	cps
Vanadium	51-2	1106003	1111463	1073872	1097113	1.85	cps
Yttrium	89-1	11431207	11052593	11367091	11283630	1.80	cps
Yttrium	89-2	2555175	2547204	2487017	2529799	1.47	cps
Zinc	66-2	2236400	2202879	2179041	2206107	1.31	cps
Zirconium	90-1	5976130	6065693	6103251	6048358	1.08	cps
Zirconium	91-1	1338080	1360556	1357488	1352041	0.90	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:05:09	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6840730	6991318	6781682	6871243	1.57	cps
Antimony	121-1	16276	16002	16079	16119	0.88	cps
Arsenic	75-2	17587	17694	17604	17628	0.33	cps
Barium	135-1	1783286	1874133	1799992	1819137	2.66	cps
Barium	137-1	3135732	3173117	3103249	3137366	1.11	cps
Beryllium	9-1	11298	11384	11498	11393	0.88	cps
Bismuth	209-1	6114878	6101891	6231300	6149356	1.16	cps
Bismuth	209-2	5091531	4953610	5055151	5033431	1.42	cps
Bromine	81-1	22834	25145	25746	24575	6.25	cps
Bromine	81-2	3564	3467	3374	3468	2.74	cps
Cadmium	108-1	1167	1233	1260	1220	3.94	cps
Cadmium	106-1	4881	4838	4824	4848	0.61	cps
Cadmium	111-1	18332	17788	18143	18088	1.53	cps
Calcium	43-1	200623	203970	201725	202106	0.84	cps
Calcium	44-1	2980446	3036923	3012460	3009943	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	361517	356980	361002	359833	0.69	cps
Cobalt	59-2	156042	157313	158117	157157	0.67	cps
Copper	63-2	633889	636792	630746	633809	0.48	cps
Dysprosium	156-1	106201	106940	105902	106348	0.50	cps
Dysprosium	156-2	84918	84838	84506	84754	0.26	cps
Erbium	164-1	98857	96763	99558	98393	1.48	cps
Erbium	164-2	65841	65583	66705	66043	0.89	cps
Gadolinium	160-1	105463	105856	105819	105713	0.21	cps
Gadolinium	160-2	74926	74215	73039	74060	1.29	cps
Holmium	165-1	10601582	10538693	10806490	10648922	1.32	cps
Holmium	165-2	7132517	7097041	7250192	7159916	1.12	cps
Indium	115-1	9306085	9034667	8852054	9064269	2.52	cps
Indium	115-2	2865589	2815423	2803015	2828009	1.17	cps
Iron	56-2	99812855	100476959	101400922	100563579	0.79	cps
Iron	57-2	2450726	2486853	2516064	2484548	1.32	cps
Iron	54-2	5568977	5496427	5493445	5519616	0.77	cps
Krypton	83-1	317	280	373	323	14.54	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:05:09	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3325383	3293610	3339942	3319645	0.71	cps
Lead	207-1	2887445	2861861	2900059	2883122	0.68	cps
Lead	208-1	13133541	13187022	13218076	13179546	0.32	cps
Lithium	6-1	1883660	1798827	1733322	1805270	4.18	cps
Magnesium	24-2	1587550	1584974	1562198	1578241	0.88	cps
Manganese	55-2	1216435	1208336	1198355	1207709	0.75	cps
Molybdenum	94-1	52045	52206	51838	52030	0.35	cps
Molybdenum	95-1	14751	14537	14841	14710	1.06	cps
Molybdenum	96-1	24764	24450	24577	24597	0.64	cps
Molybdenum	97-1	9296	9146	9260	9234	0.85	cps
Molybdenum	98-1	23319	23215	23479	23338	0.57	cps
Neodymium	150-1	172294	175177	171598	173023	1.10	cps
Neodymium	150-2	96514	97017	97125	96886	0.34	cps
Nickel	60-2	109372	108737	107714	108608	0.77	cps
Phosphorus	31-2	28006	27044	27491	27514	1.75	cps
Potassium	39-2	696438	695103	699638	697060	0.33	cps
Rhodium	103-1	8699092	8612770	8481323	8597728	1.28	cps
Rhodium	103-2	4802066	4720693	4728448	4750402	0.95	cps
Scandium	45-1	5868166	5829740	5798390	5832099	0.60	cps
Scandium	45-2	409523	407654	404225	407134	0.66	cps
Selenium	82-1	1028	1095	1042	1055	3.38	cps
Selenium	77-2	287	280	270	279	3.01	cps
Selenium	78-2	583	550	573	569	3.01	cps
Silicon	28-1	30846319	30924320	30306289	30692309	1.10	cps
Silver	107-1	8907124	8865723	8790420	8854422	0.67	cps
Silver	109-1	8446450	8486053	8503517	8478673	0.34	cps
Sodium	23-2	1598374	1592648	1580914	1590646	0.56	cps
Strontium	86-1	193785	194555	192825	193722	0.45	cps
Strontium	88-1	1716141	1738957	1718051	1724383	0.73	cps
Sulfur	34-1	920310	931235	933410	928318	0.76	cps
Terbium	159-1	11253901	10984207	10959872	11065993	1.47	cps
Terbium	159-2	7304572	7128876	7004121	7145856	2.11	cps
Thallium	203-1	5638	5458	5611	5569	1.75	cps
Thallium	205-1	12873	12893	13020	12928	0.62	cps
Tin	118-1	21272	21519	21383	21392	0.58	cps
Titanium	47-1	920577	914904	919133	918205	0.32	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:05:09	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	90586	91055	91682	91108	0.60	cps
Vanadium	51-2	393369	396158	393062	394196	0.43	cps
Yttrium	89-1	13707390	13824813	13661744	13731316	0.61	cps
Yttrium	89-2	3115720	3057587	3059853	3077720	1.07	cps
Zinc	66-2	530727	527322	531324	529791	0.41	cps
Zirconium	90-1	118486	118057	119219	118588	0.50	cps
Zirconium	91-1	26481	26704	26571	26585	0.42	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:08:10	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1281978	1290940	1269999	1280972	0.82	cps
Antimony	121-1	3177	3207	3457	3280	4.69	cps
Arsenic	75-2	3204	3117	3024	3115	2.89	cps
Barium	135-1	307522	309394	307221	308046	0.38	cps
Barium	137-1	532612	531570	538462	534215	0.70	cps
Beryllium	9-1	2184	2237	2207	2209	1.21	cps
Bismuth	209-1	5785549	5794206	5686296	5755350	1.04	cps
Bismuth	209-2	4715666	4880081	4801474	4799074	1.71	cps
Bromine	81-1	11818	12065	12289	12057	1.95	cps
Bromine	81-2	770	690	807	756	7.90	cps
Cadmium	108-1	220	240	283	248	13.07	cps
Cadmium	106-1	2740	2840	2684	2755	2.88	cps
Cadmium	111-1	4351	4671	4547	4523	3.56	cps
Calcium	43-1	37019	35916	36751	36562	1.57	cps
Calcium	44-1	597151	598207	592355	595904	0.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	66456	67828	65485	66589	1.77	cps
Cobalt	59-2	29486	28948	28921	29118	1.09	cps
Copper	63-2	118686	118260	117742	118229	0.40	cps
Dysprosium	156-1	19457	19510	19447	19471	0.18	cps
Dysprosium	156-2	15619	15275	15479	15457	1.12	cps
Erbium	164-1	17795	17785	17748	17776	0.14	cps
Erbium	164-2	11712	11705	12115	11844	1.98	cps
Gadolinium	160-1	18779	19003	18793	18858	0.67	cps
Gadolinium	160-2	14000	14127	13957	14028	0.63	cps
Holmium	165-1	9731852	9536037	9574049	9613979	1.08	cps
Holmium	165-2	6640882	6725655	6653883	6673473	0.68	cps
Indium	115-1	8407503	8417494	8320241	8381746	0.64	cps
Indium	115-2	2610231	2662249	2619779	2630753	1.05	cps
Iron	56-2	18783015	18808163	18678084	18756421	0.37	cps
Iron	57-2	489209	488080	483661	486983	0.60	cps
Iron	54-2	1069404	1067618	1053877	1063633	0.80	cps
Krypton	83-1	247	233	197	226	11.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:08:10	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	546906	545429	540816	544384	0.58	cps
Lead	207-1	463861	465132	471689	466894	0.90	cps
Lead	208-1	2139355	2142746	2145968	2142690	0.15	cps
Lithium	6-1	1623996	1592325	1630285	1615535	1.26	cps
Magnesium	24-2	306490	307056	305719	306422	0.22	cps
Manganese	55-2	225498	224201	223259	224319	0.50	cps
Molybdenum	94-1	9647	10174	9717	9846	2.91	cps
Molybdenum	95-1	3070	2860	2837	2923	4.40	cps
Molybdenum	96-1	4544	4894	4854	4764	4.02	cps
Molybdenum	97-1	1777	1740	1697	1738	2.30	cps
Molybdenum	98-1	4427	4547	4297	4424	2.83	cps
Neodymium	150-1	31151	32006	31582	31580	1.35	cps
Neodymium	150-2	17377	17821	17948	17716	1.69	cps
Nickel	60-2	20194	20274	20114	20194	0.40	cps
Phosphorus	31-2	5154	4898	5098	5050	2.67	cps
Potassium	39-2	166496	165721	164693	165637	0.55	cps
Rhodium	103-1	8092386	7843422	7861125	7932311	1.75	cps
Rhodium	103-2	4436639	4522189	4399461	4452763	1.41	cps
Scandium	45-1	5277406	5151448	5193995	5207616	1.23	cps
Scandium	45-2	373121	372446	374913	373493	0.34	cps
Selenium	82-1	462	448	486	465	4.12	cps
Selenium	77-2	50	60	57	56	9.17	cps
Selenium	78-2	257	310	277	281	9.59	cps
Silicon	28-1	5774956	6277012	5769356	5940441	4.91	cps
Silver	107-1	1616197	1628436	1612176	1618936	0.52	cps
Silver	109-1	1479755	1483798	1494994	1486183	0.53	cps
Sodium	23-2	325561	321101	320147	322270	0.90	cps
Strontium	86-1	35429	36011	35229	35556	1.14	cps
Strontium	88-1	305640	305911	308038	306530	0.43	cps
Sulfur	34-1	300677	301697	301321	301232	0.17	cps
Terbium	159-1	9939004	9958326	9956917	9951416	0.11	cps
Terbium	159-2	6726165	6607513	6624037	6652572	0.97	cps
Thallium	203-1	1023	977	993	998	2.37	cps
Thallium	205-1	2387	2380	2374	2380	0.28	cps
Tin	118-1	4477	4587	4537	4534	1.22	cps
Titanium	47-1	164972	166371	163096	164813	1.00	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-01DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:08:10	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16170	15900	16717	16262	2.56	cps
Vanadium	51-2	72352	71475	72707	72178	0.88	cps
Yttrium	89-1	11493252	11300905	11361907	11385355	0.86	cps
Yttrium	89-2	2601017	2653672	2569521	2608070	1.63	cps
Zinc	66-2	96456	96549	96781	96595	0.17	cps
Zirconium	90-1	21876	22314	22237	22142	1.05	cps
Zirconium	91-1	4884	5188	5111	5061	3.12	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:11:26	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7232465	7340864	7160685	7244671	1.25	cps
Antimony	121-1	1550	1370	1537	1486	6.75	cps
Arsenic	75-2	1233	1193	1213	1213	1.65	cps
Barium	135-1	399782	405985	406391	404053	0.92	cps
Barium	137-1	713385	692837	702226	702816	1.46	cps
Beryllium	9-1	2644	2690	2614	2649	1.46	cps
Bismuth	209-1	6038248	5916914	5656223	5870462	3.33	cps
Bismuth	209-2	5009948	4866990	4936003	4937647	1.45	cps
Bromine	81-1	17334	19349	19343	18675	6.22	cps
Bromine	81-2	2327	2294	2367	2329	1.58	cps
Cadmium	108-1	123	103	127	118	10.72	cps
Cadmium	106-1	3290	2977	2910	3059	6.63	cps
Cadmium	111-1	2817	2535	2472	2608	7.05	cps
Calcium	43-1	74495	73353	72452	73433	1.39	cps
Calcium	44-1	1174198	1186255	1152962	1171138	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	243531	240287	243286	242368	0.75	cps
Cobalt	59-2	65472	64695	64274	64814	0.94	cps
Copper	63-2	164558	162132	162646	163112	0.78	cps
Dysprosium	156-1	62843	62297	64742	63294	2.03	cps
Dysprosium	156-2	50651	51785	50654	51030	1.28	cps
Erbium	164-1	51123	52087	50993	51401	1.16	cps
Erbium	164-2	34693	34028	34015	34245	1.13	cps
Gadolinium	160-1	60878	59482	58732	59698	1.82	cps
Gadolinium	160-2	41628	42183	41327	41713	1.04	cps
Holmium	165-1	10384073	10179852	10249031	10270985	1.01	cps
Holmium	165-2	7083754	7070467	6870439	7008220	1.71	cps
Indium	115-1	8740204	8964465	8803222	8835964	1.31	cps
Indium	115-2	2814975	2773875	2706129	2764993	1.99	cps
Iron	56-2	78163954	78145914	77489479	77933116	0.49	cps
Iron	57-2	1973915	1950159	1935779	1953285	0.99	cps
Iron	54-2	4273605	4310664	4277028	4287099	0.48	cps
Krypton	83-1	283	317	233	278	15.10	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:11:26	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	375609	378862	376890	377120	0.43	cps
Lead	207-1	318325	314132	315395	315951	0.68	cps
Lead	208-1	1477949	1485958	1453453	1472453	1.15	cps
Lithium	6-1	1719318	1770446	1609061	1699608	4.85	cps
Magnesium	24-2	2307244	2309417	2248750	2288470	1.50	cps
Manganese	55-2	794801	798125	796086	796337	0.21	cps
Molybdenum	94-1	48985	50340	48380	49235	2.04	cps
Molybdenum	95-1	3307	3284	3290	3294	0.37	cps
Molybdenum	96-1	12719	12616	12732	12689	0.50	cps
Molybdenum	97-1	2080	2250	1960	2097	6.95	cps
Molybdenum	98-1	5224	5334	5164	5241	1.65	cps
Neodymium	150-1	117317	117596	116466	117126	0.50	cps
Neodymium	150-2	64215	64982	64329	64509	0.64	cps
Nickel	60-2	58611	59752	59983	59448	1.24	cps
Phosphorus	31-2	8466	8969	8709	8715	2.89	cps
Potassium	39-2	715875	713925	710189	713330	0.41	cps
Rhodium	103-1	8351245	8215446	8068191	8211627	1.72	cps
Rhodium	103-2	4681216	4648864	4524645	4618242	1.79	cps
Scandium	45-1	5708603	5727059	5481450	5639037	2.43	cps
Scandium	45-2	399338	400197	393782	397772	0.88	cps
Selenium	82-1	645	559	641	615	7.92	cps
Selenium	77-2	197	190	187	191	2.66	cps
Selenium	78-2	380	360	473	404	14.96	cps
Silicon	28-1	36634999	36166610	35428095	36076568	1.69	cps
Silver	107-1	97892	98552	98046	98164	0.35	cps
Silver	109-1	94517	91796	92001	92771	1.63	cps
Sodium	23-2	788316	781810	773869	781331	0.93	cps
Strontium	86-1	67233	65321	66563	66372	1.46	cps
Strontium	88-1	579318	579232	568942	575831	1.04	cps
Sulfur	34-1	210172	205682	205155	207003	1.33	cps
Terbium	159-1	10819889	10623895	10406138	10616641	1.95	cps
Terbium	159-2	7013284	6821158	6766311	6866918	1.89	cps
Thallium	203-1	2770	2794	2684	2749	2.11	cps
Thallium	205-1	6432	6558	6345	6445	1.67	cps
Tin	118-1	121813	121723	122899	122145	0.54	cps
Titanium	47-1	779655	778801	801022	786493	1.60	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:11:26	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43925	43334	41849	43036	2.49	cps
Vanadium	51-2	124206	124004	122831	123680	0.60	cps
Yttrium	89-1	12876118	12661861	11940123	12492701	3.93	cps
Yttrium	89-2	2863137	2893018	2858083	2871412	0.66	cps
Zinc	66-2	100518	102277	101838	101544	0.90	cps
Zirconium	90-1	128187	128796	128661	128548	0.25	cps
Zirconium	91-1	27897	28501	28858	28419	1.71	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:14:37	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1404062	1352881	1331299	1362747	2.74	cps
Antimony	121-1	400	403	510	438	14.29	cps
Arsenic	75-2	227	227	190	214	9.87	cps
Barium	135-1	74872	75770	74447	75030	0.90	cps
Barium	137-1	129867	129356	128464	129229	0.55	cps
Beryllium	9-1	563	527	447	512	11.65	cps
Bismuth	209-1	5664652	5713976	5781615	5720081	1.03	cps
Bismuth	209-2	4861558	4677122	4700348	4746343	2.12	cps
Bromine	81-1	11048	11098	11304	11150	1.22	cps
Bromine	81-2	560	577	593	577	2.89	cps
Cadmium	108-1	37	50	30	39	26.18	cps
Cadmium	106-1	2707	2397	2130	2411	11.97	cps
Cadmium	111-1	1969	1783	1597	1783	10.44	cps
Calcium	43-1	13700	13620	13439	13586	0.98	cps
Calcium	44-1	230651	231481	229911	230681	0.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46281	46087	45442	45937	0.96	cps
Cobalt	59-2	12619	11895	12475	12330	3.11	cps
Copper	63-2	31884	31490	31627	31667	0.63	cps
Dysprosium	156-1	11261	11748	11712	11574	2.34	cps
Dysprosium	156-2	9840	9427	9750	9672	2.25	cps
Erbium	164-1	9617	9537	9670	9608	0.70	cps
Erbium	164-2	6808	6675	6195	6559	4.92	cps
Gadolinium	160-1	11054	11161	10941	11052	1.00	cps
Gadolinium	160-2	8266	8373	8149	8263	1.35	cps
Holmium	165-1	9568901	9614595	9662005	9615167	0.48	cps
Holmium	165-2	6556566	6617682	6552716	6575655	0.55	cps
Indium	115-1	8340438	8435508	8209611	8328519	1.36	cps
Indium	115-2	2691004	2674689	2707212	2690968	0.60	cps
Iron	56-2	14757702	14784138	14782957	14774932	0.10	cps
Iron	57-2	385063	387065	386401	386176	0.26	cps
Iron	54-2	854080	852097	847284	851154	0.41	cps
Krypton	83-1	230	180	217	209	12.40	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:14:37	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	69915	69815	69185	69638	0.57	cps
Lead	207-1	58442	57009	57715	57722	1.24	cps
Lead	208-1	272772	272506	272663	272647	0.05	cps
Lithium	6-1	1591093	1644985	1642060	1626046	1.86	cps
Magnesium	24-2	456059	446922	450521	451168	1.02	cps
Manganese	55-2	151938	151535	150757	151410	0.40	cps
Molybdenum	94-1	9066	9420	8996	9161	2.48	cps
Molybdenum	95-1	740	773	747	753	2.34	cps
Molybdenum	96-1	2524	2444	2547	2505	2.16	cps
Molybdenum	97-1	467	457	473	466	1.80	cps
Molybdenum	98-1	973	1097	1243	1104	12.24	cps
Neodymium	150-1	21850	21997	21233	21693	1.87	cps
Neodymium	150-2	12192	11965	12105	12087	0.95	cps
Nickel	60-2	11511	11641	11248	11467	1.75	cps
Phosphorus	31-2	1750	1653	1730	1711	2.98	cps
Potassium	39-2	173244	171319	171023	171862	0.70	cps
Rhodium	103-1	7874336	7839948	7791226	7835170	0.53	cps
Rhodium	103-2	4533610	4463992	4435464	4477689	1.13	cps
Scandium	45-1	5343076	5099582	5164705	5202454	2.42	cps
Scandium	45-2	374705	372637	371696	373013	0.41	cps
Selenium	82-1	398	421	371	397	6.34	cps
Selenium	77-2	40	27	20	29	35.25	cps
Selenium	78-2	227	230	253	237	6.14	cps
Silicon	28-1	6992407	6966957	7138459	7032608	1.32	cps
Silver	107-1	18061	18788	19384	18744	3.53	cps
Silver	109-1	17080	17457	16910	17149	1.63	cps
Sodium	23-2	160867	157436	154662	157655	1.97	cps
Strontium	86-1	12539	12712	12419	12557	1.18	cps
Strontium	88-1	107916	107093	108420	107810	0.62	cps
Sulfur	34-1	156556	156236	155724	156172	0.27	cps
Terbium	159-1	10202408	9855371	9820352	9959377	2.12	cps
Terbium	159-2	6639491	6548235	6577339	6588355	0.71	cps
Thallium	203-1	520	567	560	549	4.60	cps
Thallium	205-1	1263	1267	1297	1276	1.44	cps
Tin	118-1	22625	23579	22925	23043	2.12	cps
Titanium	47-1	143597	145455	144510	144521	0.64	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-02DLX5	Instrumnet Name :	P7
Client Sample ID :	926-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:14:37	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7809	7465	7752	7676	2.40	cps
Vanadium	51-2	23495	23255	22988	23246	1.09	cps
Yttrium	89-1	11444819	11640704	11461284	11515602	0.94	cps
Yttrium	89-2	2584128	2528799	2644184	2585704	2.23	cps
Zinc	66-2	19670	19706	19600	19659	0.28	cps
Zirconium	90-1	23319	24077	24641	24012	2.76	cps
Zirconium	91-1	5341	5238	5351	5310	1.18	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:17:53	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4965232	4895521	4887418	4916057	0.87	cps
Antimony	121-1	12469	12502	12572	12514	0.42	cps
Arsenic	75-2	35379	35509	34691	35193	1.25	cps
Barium	135-1	1321366	1310818	1323953	1318712	0.53	cps
Barium	137-1	2405556	2356760	2358732	2373682	1.16	cps
Beryllium	9-1	9109	9286	9136	9177	1.04	cps
Bismuth	209-1	6131631	5976561	5965052	6024415	1.54	cps
Bismuth	209-2	4996524	4902246	5027180	4975317	1.31	cps
Bromine	81-1	21262	23916	26547	23908	11.05	cps
Bromine	81-2	3330	3317	3490	3379	2.86	cps
Cadmium	108-1	840	783	783	802	4.08	cps
Cadmium	106-1	4201	4361	4064	4208	3.53	cps
Cadmium	111-1	12950	13328	12994	13091	1.58	cps
Calcium	43-1	155794	157731	158065	157196	0.78	cps
Calcium	44-1	2396157	2386783	2414690	2399210	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	273880	274916	270474	273090	0.85	cps
Cobalt	59-2	79469	78464	77938	78624	0.99	cps
Copper	63-2	356300	356323	348556	353726	1.27	cps
Dysprosium	156-1	103239	101104	102491	102278	1.06	cps
Dysprosium	156-2	80097	80422	79239	79919	0.76	cps
Erbium	164-1	101338	100441	101549	101109	0.58	cps
Erbium	164-2	68132	66645	67847	67541	1.17	cps
Gadolinium	160-1	105275	104882	105766	105308	0.42	cps
Gadolinium	160-2	74152	73716	73682	73850	0.35	cps
Holmium	165-1	10655626	10520374	10421895	10532631	1.11	cps
Holmium	165-2	7164523	7076167	6997646	7079445	1.18	cps
Indium	115-1	9006087	8871949	8781398	8886478	1.27	cps
Indium	115-2	2843370	2762788	2819243	2808467	1.47	cps
Iron	56-2	158610804	158708008	155721051	157679954	1.08	cps
Iron	57-2	3887031	3812201	3902150	3867127	1.25	cps
Iron	54-2	8524528	8467434	8525365	8505776	0.39	cps
Krypton	83-1	360	363	347	357	2.47	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:17:53	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1444297	1444338	1458886	1449173	0.58	cps
Lead	207-1	1235974	1231391	1239978	1235781	0.35	cps
Lead	208-1	6106193	6006208	6031307	6047902	0.86	cps
Lithium	6-1	1728832	1684209	1657338	1690126	2.14	cps
Magnesium	24-2	1066337	1073947	1057433	1065905	0.78	cps
Manganese	55-2	766954	758583	760279	761939	0.58	cps
Molybdenum	94-1	49410	48189	48968	48856	1.27	cps
Molybdenum	95-1	14824	14744	14157	14575	2.50	cps
Molybdenum	96-1	25509	24938	25138	25195	1.15	cps
Molybdenum	97-1	9406	9353	9403	9388	0.32	cps
Molybdenum	98-1	23756	23499	23749	23668	0.62	cps
Neodymium	150-1	158335	156108	157169	157204	0.71	cps
Neodymium	150-2	88265	88385	86681	87777	1.08	cps
Nickel	60-2	68747	68844	68040	68544	0.64	cps
Phosphorus	31-2	23228	23662	23802	23564	1.27	cps
Potassium	39-2	538132	538762	536483	537792	0.22	cps
Rhodium	103-1	8552012	8388405	8455655	8465357	0.97	cps
Rhodium	103-2	4713727	4686743	4698218	4699563	0.29	cps
Scandium	45-1	5914230	5690329	5751247	5785269	2.00	cps
Scandium	45-2	411028	405857	406391	407758	0.70	cps
Selenium	82-1	754	801	781	778	3.05	cps
Selenium	77-2	223	287	280	263	13.22	cps
Selenium	78-2	483	543	557	528	7.40	cps
Silicon	28-1	36664399	37344954	36651349	36886901	1.08	cps
Silver	107-1	65886	68048	69251	67728	2.52	cps
Silver	109-1	63652	63974	64720	64115	0.85	cps
Sodium	23-2	614581	612811	604277	610556	0.90	cps
Strontium	86-1	220528	216998	217706	218411	0.85	cps
Strontium	88-1	1940616	1925271	1914426	1926771	0.68	cps
Sulfur	34-1	697234	699652	695619	697502	0.29	cps
Terbium	159-1	10960736	10761324	10655440	10792500	1.44	cps
Terbium	159-2	7062968	7131392	7030090	7074817	0.73	cps
Thallium	203-1	3087	2934	3187	3069	4.16	cps
Thallium	205-1	7475	7532	7636	7548	1.08	cps
Tin	118-1	34357	33850	34628	34278	1.15	cps
Titanium	47-1	737274	735804	735079	736052	0.15	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:17:53	DataFile Name :	059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	78349	77417	78097	77954	0.62	cps
Vanadium	51-2	588797	585639	585535	586657	0.32	cps
Yttrium	89-1	14064029	13518841	13430924	13671264	2.51	cps
Yttrium	89-2	3121800	3130310	3076416	3109509	0.93	cps
Zinc	66-2	488665	487871	477646	484728	1.27	cps
Zirconium	90-1	110002	109303	108686	109330	0.60	cps
Zirconium	91-1	24324	24133	24871	24443	1.57	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:21:03	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	946408	938048	924038	936165	1.21	cps
Antimony	121-1	2317	2314	2470	2367	3.78	cps
Arsenic	75-2	6525	6555	6488	6523	0.51	cps
Barium	135-1	244171	242690	241687	242849	0.51	cps
Barium	137-1	412194	422857	421016	418689	1.36	cps
Beryllium	9-1	1763	1663	1620	1682	4.37	cps
Bismuth	209-1	5904427	5683778	5578407	5722204	2.91	cps
Bismuth	209-2	4799226	4912256	4793898	4835127	1.38	cps
Bromine	81-1	12529	12585	12852	12656	1.37	cps
Bromine	81-2	767	843	873	828	6.65	cps
Cadmium	108-1	137	193	160	163	17.44	cps
Cadmium	106-1	2777	2867	2777	2807	1.85	cps
Cadmium	111-1	3865	3735	3739	3780	1.96	cps
Calcium	43-1	28791	28934	29576	29100	1.44	cps
Calcium	44-1	478126	473348	476046	475840	0.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52187	51371	50972	51510	1.20	cps
Cobalt	59-2	14948	14968	14797	14904	0.62	cps
Copper	63-2	67063	66202	67120	66795	0.77	cps
Dysprosium	156-1	18656	18392	18676	18575	0.85	cps
Dysprosium	156-2	14905	14738	14758	14800	0.62	cps
Erbium	164-1	18062	18336	18175	18191	0.76	cps
Erbium	164-2	12616	12646	12319	12527	1.44	cps
Gadolinium	160-1	18679	18993	19106	18926	1.17	cps
Gadolinium	160-2	13857	13980	13600	13812	1.40	cps
Holmium	165-1	9789880	9621000	9489352	9633411	1.56	cps
Holmium	165-2	6669762	6742373	6600792	6670976	1.06	cps
Indium	115-1	8589264	8178481	8363153	8376966	2.46	cps
Indium	115-2	2736584	2693683	2625399	2685222	2.09	cps
Iron	56-2	29336532	29787289	29268435	29464085	0.96	cps
Iron	57-2	760739	768697	761830	763755	0.56	cps
Iron	54-2	1622938	1600998	1615081	1613006	0.69	cps
Krypton	83-1	217	217	200	211	4.56	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:21:03	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	264129	264242	263440	263937	0.16	cps
Lead	207-1	226132	232264	224869	227755	1.74	cps
Lead	208-1	1047586	1051732	1041504	1046941	0.49	cps
Lithium	6-1	1593097	1596086	1593022	1594068	0.11	cps
Magnesium	24-2	199959	198261	196291	198170	0.93	cps
Manganese	55-2	142524	143325	141078	142309	0.80	cps
Molybdenum	94-1	9240	8929	8986	9052	1.82	cps
Molybdenum	95-1	2730	2747	2744	2740	0.32	cps
Molybdenum	96-1	4791	4674	4851	4772	1.88	cps
Molybdenum	97-1	1800	1710	1743	1751	2.60	cps
Molybdenum	98-1	4234	4554	4341	4376	3.72	cps
Neodymium	150-1	28806	28315	29157	28759	1.47	cps
Neodymium	150-2	16019	16476	16320	16272	1.43	cps
Nickel	60-2	13506	13496	12856	13286	2.81	cps
Phosphorus	31-2	4454	4314	4307	4358	1.90	cps
Potassium	39-2	138406	138560	138531	138499	0.06	cps
Rhodium	103-1	8026714	8239535	7854686	8040312	2.40	cps
Rhodium	103-2	4660847	4547875	4530259	4579660	1.55	cps
Scandium	45-1	5290411	5207939	5210363	5236238	0.90	cps
Scandium	45-2	378790	375147	372616	375518	0.83	cps
Selenium	82-1	450	397	483	443	9.77	cps
Selenium	77-2	60	37	87	61	40.94	cps
Selenium	78-2	280	287	317	294	6.63	cps
Silicon	28-1	7083838	6919361	6987594	6996931	1.18	cps
Silver	107-1	12836	12632	12876	12781	1.02	cps
Silver	109-1	11718	12005	11912	11878	1.23	cps
Sodium	23-2	124542	126037	122526	124369	1.42	cps
Strontium	86-1	38714	40907	39690	39770	2.76	cps
Strontium	88-1	345246	348384	351533	348388	0.90	cps
Sulfur	34-1	242515	242779	240738	242011	0.46	cps
Terbium	159-1	9912284	10142734	10043761	10032927	1.15	cps
Terbium	159-2	6708947	6607194	6609485	6641875	0.87	cps
Thallium	203-1	583	570	613	589	3.77	cps
Thallium	205-1	1313	1467	1310	1363	6.57	cps
Tin	118-1	6615	6678	6878	6724	2.05	cps
Titanium	47-1	132794	135952	133883	134210	1.20	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-03DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:21:03	DataFile Name :	060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14381	14131	14468	14327	1.22	cps
Vanadium	51-2	110364	109293	108406	109354	0.90	cps
Yttrium	89-1	11639514	11579897	11347431	11522280	1.34	cps
Yttrium	89-2	2689162	2657324	2637289	2661258	0.98	cps
Zinc	66-2	90962	90485	90519	90655	0.29	cps
Zirconium	90-1	20401	20808	20418	20542	1.12	cps
Zirconium	91-1	4547	4771	4524	4614	2.95	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:24:19	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	505941	502508	501331	503260	0.48	cps
Antimony	121-1	1567	1403	1657	1542	8.33	cps
Arsenic	75-2	12015	11611	12355	11994	3.11	cps
Barium	135-1	325244	329168	328462	327625	0.64	cps
Barium	137-1	559063	559719	562442	560408	0.32	cps
Beryllium	9-1	1760	1617	1680	1686	4.26	cps
Bismuth	209-1	5749211	5808962	5781428	5779867	0.52	cps
Bismuth	209-2	4712482	4781120	4799976	4764526	0.97	cps
Bromine	81-1	9420	10307	10164	9963	4.78	cps
Bromine	81-2	450	453	437	447	1.97	cps
Cadmium	108-1	130	127	130	129	1.49	cps
Cadmium	106-1	2700	2594	2467	2587	4.52	cps
Cadmium	111-1	3409	3494	3339	3414	2.26	cps
Calcium	43-1	22677	23451	23495	23208	1.98	cps
Calcium	44-1	382540	389238	391217	387665	1.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28981	28130	28460	28524	1.51	cps
Cobalt	59-2	29766	30317	30498	30194	1.26	cps
Copper	63-2	44847	45432	43466	44582	2.26	cps
Dysprosium	156-1	11508	11131	11575	11405	2.10	cps
Dysprosium	156-2	9176	8910	9233	9106	1.90	cps
Erbium	164-1	11478	11255	11612	11448	1.58	cps
Erbium	164-2	7822	7582	7182	7529	4.30	cps
Gadolinium	160-1	11638	11532	11175	11448	2.12	cps
Gadolinium	160-2	8870	8509	8459	8613	2.60	cps
Holmium	165-1	9577804	9345102	9432144	9451683	1.24	cps
Holmium	165-2	6758215	6602775	6593034	6651341	1.39	cps
Indium	115-1	8496288	8426240	8300340	8407623	1.18	cps
Indium	115-2	2713358	2609740	2685948	2669682	2.01	cps
Iron	56-2	22889828	22365742	22667685	22641085	1.16	cps
Iron	57-2	589569	591055	589795	590139	0.14	cps
Iron	54-2	1296174	1284885	1292014	1291024	0.44	cps
Krypton	83-1	183	213	213	203	8.52	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:24:19	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	227513	229805	227025	228114	0.65	cps
Lead	207-1	191446	191673	191419	191512	0.07	cps
Lead	208-1	877724	887253	882321	882433	0.54	cps
Lithium	6-1	1567115	1582726	1580958	1576933	0.54	cps
Magnesium	24-2	144000	142739	143657	143465	0.45	cps
Manganese	55-2	121284	120572	120189	120681	0.46	cps
Molybdenum	94-1	5588	5905	5868	5787	2.99	cps
Molybdenum	95-1	2367	2280	2514	2387	4.94	cps
Molybdenum	96-1	3877	3537	3667	3694	4.65	cps
Molybdenum	97-1	1517	1480	1490	1496	1.27	cps
Molybdenum	98-1	3864	3794	3794	3817	1.06	cps
Neodymium	150-1	17090	17501	17738	17443	1.88	cps
Neodymium	150-2	9687	9720	10024	9810	1.89	cps
Nickel	60-2	11621	11281	11912	11605	2.72	cps
Phosphorus	31-2	2320	2204	2190	2238	3.20	cps
Potassium	39-2	117116	118198	118715	118009	0.69	cps
Rhodium	103-1	8058348	7926041	7948903	7977764	0.89	cps
Rhodium	103-2	4503819	4479695	4487783	4490432	0.27	cps
Scandium	45-1	5436675	5363256	5207602	5335844	2.19	cps
Scandium	45-2	373878	370205	379010	374365	1.18	cps
Selenium	82-1	425	348	436	403	11.86	cps
Selenium	77-2	7	43	23	24	75.09	cps
Selenium	78-2	203	233	180	206	13.01	cps
Silicon	28-1	4458741	4535573	4563290	4519201	1.20	cps
Silver	107-1	7749	7789	8082	7873	2.31	cps
Silver	109-1	6988	7415	7402	7269	3.34	cps
Sodium	23-2	81196	81072	82097	81455	0.69	cps
Strontium	86-1	36164	36345	36686	36398	0.73	cps
Strontium	88-1	314609	313925	318680	315738	0.81	cps
Sulfur	34-1	270466	267162	269132	268920	0.62	cps
Terbium	159-1	10069241	9991260	10004836	10021779	0.42	cps
Terbium	159-2	6629332	6463832	6676294	6589819	1.69	cps
Thallium	203-1	970	1063	987	1007	4.94	cps
Thallium	205-1	2254	2434	2274	2320	4.25	cps
Tin	118-1	4127	4344	4577	4350	5.18	cps
Titanium	47-1	73226	73719	73558	73501	0.34	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04DLX5	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:24:19	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	6985	7022	7375	7128	3.02	cps
Vanadium	51-2	34132	33992	33881	34002	0.37	cps
Yttrium	89-1	11451959	11626521	11626456	11568312	0.87	cps
Yttrium	89-2	2609314	2659101	2562202	2610206	1.86	cps
Zinc	66-2	51462	51846	52502	51937	1.01	cps
Zirconium	90-1	12215	12349	12028	12197	1.32	cps
Zirconium	91-1	2557	2650	2640	2616	1.96	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:27:33	DataFile Name :	062CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5731707	5757650	5720894	5736750	0.33	cps
Antimony	121-1	3442150	3463445	3463736	3456443	0.36	cps
Arsenic	75-2	162607	162217	160810	161878	0.58	cps
Barium	135-1	4096264	4027171	4032606	4052014	0.95	cps
Barium	137-1	6996451	7105325	6950426	7017401	1.13	cps
Beryllium	9-1	609951	634286	630864	625034	2.11	cps
Bismuth	209-1	5369309	5382462	5399319	5383697	0.28	cps
Bismuth	209-2	4334473	4423195	4452269	4403313	1.39	cps
Bromine	81-1	8533	8059	8452	8348	3.04	cps
Bromine	81-2	140	93	87	107	27.24	cps
Cadmium	108-1	58454	58420	58280	58385	0.16	cps
Cadmium	106-1	86204	85124	85935	85754	0.66	cps
Cadmium	111-1	796938	789162	794878	793659	0.51	cps
Calcium	43-1	4898379	4911293	4816548	4875406	1.05	cps
Calcium	44-1	75672266	78064344	75982437	76573016	1.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1157455	1161416	1141921	1153597	0.89	cps
Cobalt	59-2	1800919	1732674	1738752	1757448	2.15	cps
Copper	63-2	12041814	11913416	11974504	11976578	0.54	cps
Dysprosium	156-1	190	237	167	198	18.02	cps
Dysprosium	156-2	343	267	313	308	12.55	cps
Erbium	164-1	227	283	200	237	17.98	cps
Erbium	164-2	113	180	163	152	22.79	cps
Gadolinium	160-1	183	197	160	180	10.31	cps
Gadolinium	160-2	457	423	367	416	10.95	cps
Holmium	165-1	9792244	9623974	9666199	9694139	0.90	cps
Holmium	165-2	6537484	6620789	6569148	6575807	0.64	cps
Indium	115-1	7872715	7967547	7839715	7893326	0.84	cps
Indium	115-2	2522124	2492512	2468693	2494443	1.07	cps
Iron	56-2	245686416	247183903	246018636	246296319	0.32	cps
Iron	57-2	6087169	6067572	6043344	6066028	0.36	cps
Iron	54-2	13471933	13197871	13056785	13242196	1.59	cps
Krypton	83-1	240	173	263	226	20.71	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:27:33	DataFile Name :	062CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10171648	10383943	10467791	10341127	1.48	cps
Lead	207-1	8978100	9274030	8987985	9080038	1.85	cps
Lead	208-1	40510629	41926796	41199449	41212291	1.72	cps
Lithium	6-1	1580958	1664270	1570458	1605229	3.20	cps
Magnesium	24-2	51632293	50795088	51099543	51175641	0.83	cps
Manganese	55-2	8024731	8076936	8073979	8058549	0.36	cps
Molybdenum	94-1	12404020	12472401	12421519	12432647	0.29	cps
Molybdenum	95-1	17954818	18102984	17657373	17905058	1.27	cps
Molybdenum	96-1	19420582	19486690	19475020	19460764	0.18	cps
Molybdenum	97-1	11200632	11210529	11129962	11180374	0.39	cps
Molybdenum	98-1	28509785	29058173	29054968	28874309	1.09	cps
Neodymium	150-1	283	293	287	288	1.77	cps
Neodymium	150-2	80	83	77	80	4.16	cps
Nickel	60-2	441335	437208	434780	437774	0.76	cps
Phosphorus	31-2	66745	67300	66175	66740	0.84	cps
Potassium	39-2	30208003	29986379	30144765	30113049	0.38	cps
Rhodium	103-1	7399586	7266893	7280771	7315750	1.00	cps
Rhodium	103-2	4099652	4052281	3999418	4050450	1.24	cps
Scandium	45-1	5192804	5150425	5100914	5148048	0.89	cps
Scandium	45-2	351492	359669	354555	355239	1.16	cps
Selenium	82-1	53189	53193	53291	53224	0.11	cps
Selenium	77-2	4144	4341	4317	4267	2.52	cps
Selenium	78-2	14971	14984	14644	14866	1.30	cps
Silicon	28-1	31858892	32425490	32340591	32208324	0.95	cps
Silver	107-1	3910153	3926773	3932743	3923223	0.30	cps
Silver	109-1	3763600	3740315	3703244	3735720	0.81	cps
Sodium	23-2	81058882	80481174	80811214	80783757	0.36	cps
Strontium	86-1	26613320	26502755	26417689	26511255	0.37	cps
Strontium	88-1	227880030	227562683	225026630	226823114	0.69	cps
Sulfur	34-1	474817	479451	473881	476050	0.63	cps
Terbium	159-1	9886691	9979281	9695485	9853819	1.47	cps
Terbium	159-2	6594745	6489801	6507657	6530734	0.86	cps
Thallium	203-1	2611163	2676847	2730874	2672961	2.24	cps
Thallium	205-1	6144739	6168859	6319629	6211076	1.53	cps
Tin	118-1	2574521	2636671	2611125	2607439	1.20	cps
Titanium	47-1	4945610	4918450	4907809	4923956	0.40	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P7
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:27:33	DataFile Name :	062CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8018277	8185813	7928887	8044325	1.62	cps
Vanadium	51-2	1038670	1038458	1024377	1033835	0.79	cps
Yttrium	89-1	11307540	11057288	10726797	11030542	2.64	cps
Yttrium	89-2	2449636	2443535	2427140	2440104	0.48	cps
Zinc	66-2	2057304	2037334	2031100	2041913	0.67	cps
Zirconium	90-1	5938074	5974426	5780755	5897752	1.75	cps
Zirconium	91-1	1321762	1323110	1300412	1315095	0.97	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:33:46	DataFile Name :	063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	283	277	293	284	2.95	cps
Antimony	121-1	910	1033	1197	1047	13.74	cps
Arsenic	75-2	13	3	17	11	62.48	cps
Barium	135-1	93	100	100	98	3.94	cps
Barium	137-1	167	180	200	182	9.21	cps
Beryllium	9-1	93	87	57	79	24.75	cps
Bismuth	209-1	5585421	5640572	5641405	5622466	0.57	cps
Bismuth	209-2	4786947	4675811	4799996	4754252	1.44	cps
Bromine	81-1	7775	7529	7765	7690	1.82	cps
Bromine	81-2	93	90	57	80	25.34	cps
Cadmium	108-1	7	7	17	10	57.72	cps
Cadmium	106-1	2314	2104	2120	2179	5.36	cps
Cadmium	111-1	1661	1494	1502	1553	6.07	cps
Calcium	43-1	363	317	360	347	7.51	cps
Calcium	44-1	12079	11311	11195	11528	4.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	630	603	600	611	2.69	cps
Cobalt	59-2	63	73	103	80	26.02	cps
Copper	63-2	1053	1097	1137	1096	3.80	cps
Dysprosium	156-1	10	30	27	22	48.22	cps
Dysprosium	156-2	0	3	13	6	124.93	cps
Erbium	164-1	70	97	57	74	27.36	cps
Erbium	164-2	30	40	43	38	18.36	cps
Gadolinium	160-1	53	30	40	41	28.47	cps
Gadolinium	160-2	247	333	280	287	15.25	cps
Holmium	165-1	9501914	9344663	9349162	9398580	0.95	cps
Holmium	165-2	6589031	6464797	6466437	6506755	1.10	cps
Indium	115-1	8281308	8301480	8235410	8272733	0.41	cps
Indium	115-2	2681847	2687411	2625140	2664799	1.29	cps
Iron	56-2	14370	15191	15168	14910	3.13	cps
Iron	57-2	1413	1590	1690	1565	8.96	cps
Iron	54-2	1620	1567	1427	1538	6.49	cps
Krypton	83-1	190	150	153	164	13.50	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:33:46	DataFile Name :	063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	463	523	487	491	6.16	cps
Lead	207-1	453	433	420	436	3.85	cps
Lead	208-1	2197	1987	1987	2057	5.90	cps
Lithium	6-1	1577969	1623589	1545698	1582419	2.47	cps
Magnesium	24-2	1583	1350	1653	1529	10.39	cps
Manganese	55-2	393	357	393	381	5.56	cps
Molybdenum	94-1	630	500	513	548	13.06	cps
Molybdenum	95-1	497	453	520	490	6.91	cps
Molybdenum	96-1	647	557	523	576	11.09	cps
Molybdenum	97-1	290	307	273	290	5.75	cps
Molybdenum	98-1	840	820	810	823	1.86	cps
Neodymium	150-1	3	13	10	9	57.30	cps
Neodymium	150-2	0	3	7	3	100.05	cps
Nickel	60-2	200	173	113	162	27.36	cps
Phosphorus	31-2	110	127	107	114	9.36	cps
Potassium	39-2	48035	47076	46815	47309	1.36	cps
Rhodium	103-1	7856107	7857563	7841194	7851621	0.12	cps
Rhodium	103-2	4504205	4511872	4438359	4484812	0.90	cps
Scandium	45-1	5186469	5137658	5271044	5198390	1.30	cps
Scandium	45-2	369576	368408	363780	367255	0.83	cps
Selenium	82-1	298	414	359	357	16.33	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	230	203	230	221	6.96	cps
Silicon	28-1	290951	294133	293015	292700	0.55	cps
Silver	107-1	230	243	217	230	5.80	cps
Silver	109-1	240	200	243	228	10.59	cps
Sodium	23-2	19562	19255	19162	19327	1.08	cps
Strontium	86-1	747	797	783	776	3.34	cps
Strontium	88-1	4087	3334	3244	3555	13.03	cps
Sulfur	34-1	193353	191183	191628	192055	0.60	cps
Terbium	159-1	10037133	9785126	9750783	9857681	1.59	cps
Terbium	159-2	6612489	6486571	6514304	6537788	1.01	cps
Thallium	203-1	103	113	80	99	17.30	cps
Thallium	205-1	197	203	240	213	10.94	cps
Tin	118-1	1033	1090	1240	1121	9.53	cps
Titanium	47-1	200	180	240	207	14.78	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P7
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:33:46	DataFile Name :	063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	130	123	153	136	11.62	cps
Vanadium	51-2	23	20	20	21	9.11	cps
Yttrium	89-1	10989847	10930703	10868397	10929649	0.56	cps
Yttrium	89-2	2569978	2557914	2546291	2558061	0.46	cps
Zinc	66-2	753	693	720	722	4.16	cps
Zirconium	90-1	763	713	673	717	6.29	cps
Zirconium	91-1	160	157	190	169	10.87	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:37:12	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2627430	2622255	2634170	2627952	0.23	cps
Antimony	121-1	7879	7609	7729	7739	1.75	cps
Arsenic	75-2	61001	61323	61604	61309	0.49	cps
Barium	135-1	1888780	1861114	1870129	1873341	0.75	cps
Barium	137-1	3237936	3257079	3152407	3215807	1.73	cps
Beryllium	9-1	9250	9163	9086	9166	0.89	cps
Bismuth	209-1	6080267	6049799	6003492	6044519	0.64	cps
Bismuth	209-2	4965868	5002268	5033132	5000423	0.67	cps
Bromine	81-1	14224	16182	16830	15745	8.62	cps
Bromine	81-2	1693	1777	1843	1771	4.24	cps
Cadmium	108-1	713	623	730	689	8.33	cps
Cadmium	106-1	3751	3691	3784	3742	1.26	cps
Cadmium	111-1	10532	10906	10493	10644	2.14	cps
Calcium	43-1	125172	126553	127404	126376	0.89	cps
Calcium	44-1	1971926	1902723	1934102	1936251	1.79	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	151106	149244	151934	150761	0.91	cps
Cobalt	59-2	159346	159532	158750	159209	0.26	cps
Copper	63-2	233343	229417	233493	232084	1.00	cps
Dysprosium	156-1	62251	61266	61979	61832	0.82	cps
Dysprosium	156-2	47477	48617	47356	47817	1.46	cps
Erbium	164-1	61371	60902	61719	61331	0.67	cps
Erbium	164-2	40552	40733	40288	40524	0.55	cps
Gadolinium	160-1	62375	61792	63771	62646	1.62	cps
Gadolinium	160-2	43524	44136	44618	44093	1.24	cps
Holmium	165-1	10350465	10181377	10278159	10270000	0.83	cps
Holmium	165-2	6881972	6853339	7195234	6976848	2.72	cps
Indium	115-1	8821114	8968085	8783319	8857506	1.10	cps
Indium	115-2	2796731	2707779	2687839	2730783	2.12	cps
Iron	56-2	119650345	122030052	120330708	120670368	1.02	cps
Iron	57-2	3030688	2948651	3042189	3007176	1.70	cps
Iron	54-2	6595201	6508471	6577858	6560510	0.70	cps
Krypton	83-1	340	270	323	311	11.75	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:37:12	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1230974	1222877	1231795	1228549	0.40	cps
Lead	207-1	1043535	1034093	1040941	1039523	0.47	cps
Lead	208-1	5118296	5081142	5091958	5097132	0.37	cps
Lithium	6-1	1717979	1659309	1640742	1672677	2.41	cps
Magnesium	24-2	763763	766034	774772	768189	0.76	cps
Manganese	55-2	637199	642025	638682	639302	0.39	cps
Molybdenum	94-1	31614	31367	31714	31565	0.57	cps
Molybdenum	95-1	13249	12626	12782	12886	2.52	cps
Molybdenum	96-1	19630	19410	20061	19700	1.68	cps
Molybdenum	97-1	7899	8242	8076	8072	2.13	cps
Molybdenum	98-1	20651	20278	20478	20469	0.91	cps
Neodymium	150-1	92910	93900	93052	93287	0.57	cps
Neodymium	150-2	51708	52440	51504	51884	0.95	cps
Nickel	60-2	61613	59936	61211	60920	1.44	cps
Phosphorus	31-2	11948	11945	12155	12016	1.00	cps
Potassium	39-2	432352	430973	431515	431613	0.16	cps
Rhodium	103-1	8359385	8189479	8426986	8325284	1.47	cps
Rhodium	103-2	4621879	4659566	4661531	4647659	0.48	cps
Scandium	45-1	5689165	5568617	5632829	5630204	1.07	cps
Scandium	45-2	401150	397422	400347	399640	0.49	cps
Selenium	82-1	564	618	583	588	4.65	cps
Selenium	77-2	183	137	170	163	14.72	cps
Selenium	78-2	347	337	390	358	7.92	cps
Silicon	28-1	22931359	23177120	22930880	23013120	0.62	cps
Silver	107-1	41670	41001	41543	41405	0.86	cps
Silver	109-1	38471	38551	39387	38803	1.31	cps
Sodium	23-2	394633	387608	391817	391352	0.90	cps
Strontium	86-1	198257	197521	198661	198147	0.29	cps
Strontium	88-1	1753404	1736419	1749025	1746283	0.50	cps
Sulfur	34-1	858082	848346	854758	853728	0.58	cps
Terbium	159-1	11035318	10881910	10556993	10824740	2.26	cps
Terbium	159-2	7016251	6856591	6888154	6920332	1.22	cps
Thallium	203-1	5204	5288	5611	5368	4.00	cps
Thallium	205-1	12609	12746	12719	12692	0.57	cps
Tin	118-1	22064	21703	22134	21967	1.05	cps
Titanium	47-1	405137	396769	402943	401616	1.08	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-04	Instrumnet Name :	P7
Client Sample ID :	925-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:37:12	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39261	40144	39254	39553	1.29	cps
Vanadium	51-2	182673	181984	181367	182008	0.36	cps
Yttrium	89-1	13467653	13145264	13079388	13230768	1.57	cps
Yttrium	89-2	2942348	2886367	2968985	2932567	1.44	cps
Zinc	66-2	275015	276140	275277	275477	0.21	cps
Zirconium	90-1	63570	63965	64765	64100	0.95	cps
Zirconium	91-1	14451	14487	14330	14423	0.57	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:40:21	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3334054	3382071	3300363	3338829	1.23	cps
Antimony	121-1	21396	20985	21446	21276	1.19	cps
Arsenic	75-2	88810	88206	87315	88110	0.85	cps
Barium	135-1	485122	491352	490047	488840	0.67	cps
Barium	137-1	844490	849161	832446	842033	1.02	cps
Beryllium	9-1	5664	5548	5915	5709	3.28	cps
Bismuth	209-1	5997977	5873271	6058977	5976742	1.58	cps
Bismuth	209-2	4893588	4828842	4997148	4906526	1.73	cps
Bromine	81-1	23008	24844	26654	24835	7.34	cps
Bromine	81-2	3574	3547	3590	3570	0.61	cps
Cadmium	108-1	1417	1300	1320	1346	4.64	cps
Cadmium	106-1	5911	5541	5541	5664	3.77	cps
Cadmium	111-1	21024	20466	20716	20735	1.35	cps
Calcium	43-1	306700	307913	307423	307345	0.20	cps
Calcium	44-1	4566825	4722694	4620628	4636716	1.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	180736	179819	178878	179811	0.52	cps
Cobalt	59-2	811405	818908	808507	812940	0.66	cps
Copper	63-2	577462	574607	569436	573835	0.71	cps
Dysprosium	156-1	245766	247452	248323	247180	0.53	cps
Dysprosium	156-2	183301	182905	183857	183354	0.26	cps
Erbium	164-1	247738	251009	248322	249023	0.70	cps
Erbium	164-2	166633	167100	164821	166184	0.72	cps
Gadolinium	160-1	264127	267510	262582	264740	0.95	cps
Gadolinium	160-2	184368	184655	183459	184160	0.34	cps
Holmium	165-1	10559815	10419245	10323358	10434139	1.14	cps
Holmium	165-2	7067245	6904962	7057122	7009776	1.30	cps
Indium	115-1	8880314	8585576	8925397	8797095	2.10	cps
Indium	115-2	2810609	2751034	2794741	2785461	1.11	cps
Iron	56-2	247372023	248004036	247592143	247656067	0.13	cps
Iron	57-2	6102319	6160281	6031890	6098163	1.05	cps
Iron	54-2	13543358	13379438	13490934	13471243	0.62	cps
Krypton	83-1	623	530	617	590	8.83	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:40:21	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2629048	2636902	2669097	2645016	0.80	cps
Lead	207-1	2271790	2299256	2241592	2270880	1.27	cps
Lead	208-1	10390133	10328445	10398188	10372255	0.37	cps
Lithium	6-1	1659266	1583036	1635042	1625782	2.40	cps
Magnesium	24-2	1240307	1244661	1244484	1243151	0.20	cps
Manganese	55-2	1047024	1050344	1052722	1050030	0.27	cps
Molybdenum	94-1	84703	85122	84241	84689	0.52	cps
Molybdenum	95-1	67002	66145	66815	66654	0.68	cps
Molybdenum	96-1	82055	84124	79833	82004	2.62	cps
Molybdenum	97-1	42134	41947	41292	41791	1.06	cps
Molybdenum	98-1	104514	105323	105571	105136	0.53	cps
Neodymium	150-1	333383	338261	335016	335553	0.74	cps
Neodymium	150-2	186399	185762	186413	186191	0.20	cps
Nickel	60-2	78531	79959	79248	79246	0.90	cps
Phosphorus	31-2	11978	11981	12118	12026	0.66	cps
Potassium	39-2	442134	442253	444333	442907	0.28	cps
Rhodium	103-1	8280907	8220183	8266590	8255893	0.38	cps
Rhodium	103-2	4696112	4640073	4660513	4665566	0.61	cps
Scandium	45-1	5746581	5809882	5654271	5736911	1.36	cps
Scandium	45-2	401765	405515	402117	403132	0.51	cps
Selenium	82-1	1036	1119	1122	1092	4.47	cps
Selenium	77-2	647	640	667	651	2.13	cps
Selenium	78-2	757	770	660	729	8.24	cps
Silicon	28-1	28395559	27857773	28373363	28208898	1.08	cps
Silver	107-1	1015311	1012260	1016640	1014737	0.22	cps
Silver	109-1	960719	970337	960773	963943	0.57	cps
Sodium	23-2	756351	747585	748659	750865	0.64	cps
Strontium	86-1	273616	278041	273793	275150	0.91	cps
Strontium	88-1	2441769	2405770	2410047	2419195	0.81	cps
Sulfur	34-1	1899681	1846776	1867433	1871296	1.42	cps
Terbium	159-1	10921004	10863790	10813618	10866137	0.49	cps
Terbium	159-2	7059251	6923512	6911194	6964652	1.18	cps
Thallium	203-1	4364	4437	4377	4393	0.89	cps
Thallium	205-1	10191	10454	10484	10376	1.56	cps
Tin	118-1	45893	45880	46053	45942	0.21	cps
Titanium	47-1	468456	474496	471440	471464	0.64	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:40:21	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	99286	103216	99387	100630	2.23	cps
Vanadium	51-2	403346	401569	398635	401183	0.59	cps
Yttrium	89-1	17196050	17283331	17377851	17285744	0.53	cps
Yttrium	89-2	3914208	3902145	3838404	3884919	1.05	cps
Zinc	66-2	679493	668871	669884	672749	0.87	cps
Zirconium	90-1	125958	131599	128879	128812	2.19	cps
Zirconium	91-1	27893	29253	28291	28479	2.45	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:48:23	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	656979	668748	669798	665175	1.07	cps
Antimony	121-1	4044	4111	4067	4074	0.83	cps
Arsenic	75-2	16846	16419	16726	16664	1.32	cps
Barium	135-1	91814	92199	94028	92680	1.28	cps
Barium	137-1	156421	161962	158866	159083	1.75	cps
Beryllium	9-1	1157	1117	1177	1150	2.66	cps
Bismuth	209-1	5726609	5697660	5567023	5663764	1.50	cps
Bismuth	209-2	4706800	4735292	4855023	4765705	1.65	cps
Bromine	81-1	11274	11788	11481	11515	2.24	cps
Bromine	81-2	717	810	733	753	6.61	cps
Cadmium	108-1	227	277	257	253	9.93	cps
Cadmium	106-1	2700	2914	2737	2784	4.10	cps
Cadmium	111-1	5162	5346	5127	5212	2.26	cps
Calcium	43-1	58352	60660	58974	59329	2.01	cps
Calcium	44-1	942002	946192	946103	944766	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35017	35061	35492	35190	0.75	cps
Cobalt	59-2	158447	160434	160808	159896	0.79	cps
Copper	63-2	113359	112513	111791	112554	0.70	cps
Dysprosium	156-1	47155	46550	46149	46618	1.09	cps
Dysprosium	156-2	34770	35458	35659	35295	1.32	cps
Erbium	164-1	46414	45537	47183	46378	1.78	cps
Erbium	164-2	31462	30994	31061	31173	0.81	cps
Gadolinium	160-1	49306	49056	49216	49193	0.26	cps
Gadolinium	160-2	34329	35478	35378	35062	1.82	cps
Holmium	165-1	9696528	9824727	9763859	9761705	0.66	cps
Holmium	165-2	6556204	6622944	6645304	6608151	0.70	cps
Indium	115-1	8654629	8626868	8728443	8669980	0.61	cps
Indium	115-2	2696212	2645941	2666715	2669623	0.95	cps
Iron	56-2	47991081	47956254	48397723	48115019	0.51	cps
Iron	57-2	1242261	1248185	1238997	1243148	0.37	cps
Iron	54-2	2651154	2577265	2615328	2614582	1.41	cps
Krypton	83-1	257	283	280	273	5.32	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:48:23	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	449671	445785	452785	449414	0.78	cps
Lead	207-1	375492	383997	378854	379447	1.13	cps
Lead	208-1	1728886	1757062	1737113	1741021	0.83	cps
Lithium	6-1	1491967	1484146	1467872	1481328	0.83	cps
Magnesium	24-2	248641	248385	251401	249476	0.67	cps
Manganese	55-2	203814	206035	206282	205377	0.66	cps
Molybdenum	94-1	16353	16690	15905	16316	2.41	cps
Molybdenum	95-1	13049	12565	12816	12810	1.89	cps
Molybdenum	96-1	15935	16022	15592	15850	1.44	cps
Molybdenum	97-1	7719	7932	7802	7818	1.38	cps
Molybdenum	98-1	20354	20161	20181	20232	0.53	cps
Neodymium	150-1	62307	63954	62136	62799	1.60	cps
Neodymium	150-2	35652	35505	35441	35533	0.30	cps
Nickel	60-2	15365	15595	15311	15424	0.98	cps
Phosphorus	31-2	2387	2420	2397	2401	0.71	cps
Potassium	39-2	124208	125805	125576	125196	0.69	cps
Rhodium	103-1	8047716	8346841	8135915	8176824	1.88	cps
Rhodium	103-2	4517644	4579754	4473466	4523621	1.18	cps
Scandium	45-1	5540379	5303766	5355618	5399921	2.30	cps
Scandium	45-2	386185	386143	389759	387362	0.54	cps
Selenium	82-1	420	425	450	432	3.67	cps
Selenium	77-2	140	127	133	133	5.00	cps
Selenium	78-2	313	327	327	322	2.39	cps
Silicon	28-1	5573149	5410846	5544286	5509427	1.57	cps
Silver	107-1	191530	195584	195390	194168	1.18	cps
Silver	109-1	181867	187514	184246	184542	1.54	cps
Sodium	23-2	152190	154733	156200	154375	1.31	cps
Strontium	86-1	50938	52791	52065	51931	1.80	cps
Strontium	88-1	435175	447250	449478	443968	1.73	cps
Sulfur	34-1	495985	485757	495741	492494	1.18	cps
Terbium	159-1	10277215	10401913	10035255	10238128	1.82	cps
Terbium	159-2	6528031	6569978	6676500	6591503	1.16	cps
Thallium	203-1	920	930	860	903	4.19	cps
Thallium	205-1	2160	1984	1983	2042	5.00	cps
Tin	118-1	8943	9463	9543	9316	3.50	cps
Titanium	47-1	88038	91193	88343	89191	1.95	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-05DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:48:23	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18126	19004	18680	18603	2.39	cps
Vanadium	51-2	77132	77655	76864	77217	0.52	cps
Yttrium	89-1	12246127	12260392	12310031	12272183	0.27	cps
Yttrium	89-2	2875770	2858719	2816790	2850426	1.06	cps
Zinc	66-2	127822	128141	129163	128375	0.55	cps
Zirconium	90-1	25041	23956	25522	24840	3.23	cps
Zirconium	91-1	5624	5865	5508	5666	3.21	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:51:39	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1714574	1700003	1724406	1712995	0.72	cps
Antimony	121-1	3861	3771	4011	3881	3.13	cps
Arsenic	75-2	22801	22624	22868	22764	0.55	cps
Barium	135-1	153585	154155	151528	153089	0.90	cps
Barium	137-1	266933	263784	260135	263617	1.29	cps
Beryllium	9-1	3951	3670	3707	3776	4.03	cps
Bismuth	209-1	6042868	5899099	6031026	5990998	1.33	cps
Bismuth	209-2	4981082	4908323	4920477	4936627	0.79	cps
Bromine	81-1	10107	10347	10948	10467	4.14	cps
Bromine	81-2	790	737	867	798	8.19	cps
Cadmium	108-1	397	260	320	326	21.04	cps
Cadmium	106-1	3874	3424	3447	3582	7.08	cps
Cadmium	111-1	5301	5042	5096	5146	2.66	cps
Calcium	43-1	65189	66023	65048	65420	0.80	cps
Calcium	44-1	1063546	1064570	1053473	1060530	0.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	108000	107094	107000	107365	0.51	cps
Cobalt	59-2	304108	300254	300679	301680	0.70	cps
Copper	63-2	87735	88852	88620	88402	0.67	cps
Dysprosium	156-1	168542	169119	166603	168088	0.78	cps
Dysprosium	156-2	122762	123252	122963	122992	0.20	cps
Erbium	164-1	172137	171543	168271	170650	1.22	cps
Erbium	164-2	114220	113853	115311	114461	0.66	cps
Gadolinium	160-1	178303	178429	177601	178111	0.25	cps
Gadolinium	160-2	125247	124709	125533	125163	0.33	cps
Holmium	165-1	10509375	10228615	10231569	10323186	1.56	cps
Holmium	165-2	7046085	6903284	6872936	6940768	1.33	cps
Indium	115-1	8822291	8962710	8779946	8854983	1.08	cps
Indium	115-2	2808639	2724192	2740085	2757639	1.63	cps
Iron	56-2	55235311	54207056	53622323	54354896	1.50	cps
Iron	57-2	1387942	1351468	1368672	1369361	1.33	cps
Iron	54-2	3016327	3031023	2982098	3009816	0.83	cps
Krypton	83-1	450	423	447	440	3.30	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:51:39	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	377676	376177	376431	376761	0.21	cps
Lead	207-1	324376	321973	324351	323567	0.43	cps
Lead	208-1	1496006	1483726	1486140	1488624	0.44	cps
Lithium	6-1	1604025	1574722	1578440	1585729	1.01	cps
Magnesium	24-2	344108	338337	342974	341806	0.89	cps
Manganese	55-2	187753	185820	185897	186490	0.59	cps
Molybdenum	94-1	39991	39824	40001	39939	0.25	cps
Molybdenum	95-1	27897	27954	27526	27792	0.84	cps
Molybdenum	96-1	34133	34982	34678	34598	1.24	cps
Molybdenum	97-1	17073	17541	17317	17310	1.35	cps
Molybdenum	98-1	45089	44437	44621	44716	0.75	cps
Neodymium	150-1	227234	227840	223691	226255	0.99	cps
Neodymium	150-2	125167	123997	124966	124710	0.50	cps
Nickel	60-2	21185	21162	21355	21234	0.50	cps
Phosphorus	31-2	7872	8019	8146	8012	1.71	cps
Potassium	39-2	336560	335182	331490	334411	0.78	cps
Rhodium	103-1	8434987	8369123	8255624	8353245	1.09	cps
Rhodium	103-2	4618651	4686708	4596702	4634020	1.01	cps
Scandium	45-1	5627126	5622066	5624365	5624519	0.05	cps
Scandium	45-2	399415	391821	390525	393920	1.22	cps
Selenium	82-1	569	647	694	637	9.96	cps
Selenium	77-2	503	420	437	453	9.73	cps
Selenium	78-2	450	593	483	509	14.74	cps
Silicon	28-1	18651148	18554211	18466446	18557268	0.50	cps
Silver	107-1	2844	2510	3088	2814	10.31	cps
Silver	109-1	2134	2270	2344	2249	4.74	cps
Sodium	23-2	244846	245702	245472	245340	0.18	cps
Strontium	86-1	56367	55638	55979	55995	0.65	cps
Strontium	88-1	485777	479442	482720	482646	0.66	cps
Sulfur	34-1	395255	396320	385922	392499	1.46	cps
Terbium	159-1	10820528	10769679	10496174	10695460	1.63	cps
Terbium	159-2	6899233	6932881	6769052	6867055	1.26	cps
Thallium	203-1	8046	7419	7489	7651	4.49	cps
Thallium	205-1	17825	17798	17631	17752	0.59	cps
Tin	118-1	94732	93947	92364	93681	1.29	cps
Titanium	47-1	323958	326960	326293	325737	0.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:51:39	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	65885	65269	65701	65618	0.48	cps
Vanadium	51-2	96982	96234	95953	96390	0.55	cps
Yttrium	89-1	14502194	14100871	14226038	14276367	1.44	cps
Yttrium	89-2	3299883	3217200	3148617	3221900	2.35	cps
Zinc	66-2	423375	421153	422200	422243	0.26	cps
Zirconium	90-1	65596	64969	63349	64638	1.79	cps
Zirconium	91-1	14844	14227	14210	14427	2.50	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:54:50	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	337015	337820	335932	336922	0.28	cps
Antimony	121-1	853	880	780	838	6.18	cps
Arsenic	75-2	4327	4261	4347	4312	1.05	cps
Barium	135-1	28061	28549	28926	28512	1.52	cps
Barium	137-1	49178	49382	49794	49451	0.63	cps
Beryllium	9-1	750	730	687	722	4.48	cps
Bismuth	209-1	5537095	5513265	5681967	5577442	1.64	cps
Bismuth	209-2	4786094	4922184	4784845	4831041	1.63	cps
Bromine	81-1	8749	8669	8282	8567	2.91	cps
Bromine	81-2	223	220	250	231	7.12	cps
Cadmium	108-1	83	120	57	87	36.69	cps
Cadmium	106-1	2597	2574	2517	2562	1.61	cps
Cadmium	111-1	2310	2238	2242	2263	1.78	cps
Calcium	43-1	11895	12709	12305	12303	3.31	cps
Calcium	44-1	201308	199174	202599	201027	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21031	20517	20634	20728	1.30	cps
Cobalt	59-2	58597	58339	57537	58158	0.95	cps
Copper	63-2	18051	17147	17714	17637	2.59	cps
Dysprosium	156-1	30994	31936	32391	31774	2.24	cps
Dysprosium	156-2	23613	23393	24111	23706	1.55	cps
Erbium	164-1	31653	31930	32244	31942	0.93	cps
Erbium	164-2	21253	22301	21861	21805	2.41	cps
Gadolinium	160-1	32925	33306	32641	32958	1.01	cps
Gadolinium	160-2	24335	24174	24415	24308	0.50	cps
Holmium	165-1	9601156	9552317	9681697	9611723	0.68	cps
Holmium	165-2	6709127	6801736	6724111	6744991	0.74	cps
Indium	115-1	8255211	8325311	8642592	8407704	2.46	cps
Indium	115-2	2653774	2677416	2664460	2665217	0.44	cps
Iron	56-2	10344285	10574526	10364848	10427887	1.22	cps
Iron	57-2	273019	273266	270394	272227	0.58	cps
Iron	54-2	596236	596594	597841	596890	0.14	cps
Krypton	83-1	203	220	240	221	8.30	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:54:50	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	70766	71041	71564	71124	0.57	cps
Lead	207-1	61113	62101	60256	61157	1.51	cps
Lead	208-1	278656	279400	274592	277549	0.93	cps
Lithium	6-1	1498353	1511081	1508831	1506088	0.45	cps
Magnesium	24-2	65757	65696	64063	65172	1.47	cps
Manganese	55-2	35495	34904	35301	35233	0.86	cps
Molybdenum	94-1	7549	7382	7232	7387	2.15	cps
Molybdenum	95-1	5291	5404	5301	5332	1.18	cps
Molybdenum	96-1	6548	6522	6558	6543	0.29	cps
Molybdenum	97-1	3304	3197	3350	3284	2.39	cps
Molybdenum	98-1	8382	8763	8736	8627	2.46	cps
Neodymium	150-1	41839	42083	42043	41988	0.31	cps
Neodymium	150-2	23720	23413	23814	23649	0.89	cps
Nickel	60-2	4247	4287	4221	4252	0.79	cps
Phosphorus	31-2	1663	1840	1617	1707	6.90	cps
Potassium	39-2	101666	103106	101489	102087	0.87	cps
Rhodium	103-1	8266958	8175847	7837106	8093304	2.80	cps
Rhodium	103-2	4668251	4523259	4626476	4605995	1.62	cps
Scandium	45-1	5043414	5107444	5345808	5165556	3.08	cps
Scandium	45-2	378340	382856	377435	379543	0.77	cps
Selenium	82-1	472	432	439	448	4.78	cps
Selenium	77-2	103	60	83	82	26.38	cps
Selenium	78-2	343	280	273	299	12.93	cps
Silicon	28-1	3704856	3615238	3738573	3686222	1.73	cps
Silver	107-1	520	600	513	544	8.86	cps
Silver	109-1	503	407	510	473	12.22	cps
Sodium	23-2	56778	56433	56533	56581	0.31	cps
Strontium	86-1	10380	10551	10761	10564	1.80	cps
Strontium	88-1	88041	89283	88313	88546	0.74	cps
Sulfur	34-1	193137	192841	194906	193628	0.58	cps
Terbium	159-1	10230949	10169679	10042371	10147666	0.95	cps
Terbium	159-2	6672200	6585770	6571743	6609904	0.82	cps
Thallium	203-1	1460	1490	1533	1495	2.47	cps
Thallium	205-1	3481	3497	3464	3480	0.48	cps
Tin	118-1	18091	18512	17494	18032	2.84	cps
Titanium	47-1	61682	61026	62040	61583	0.84	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-06DLX5	Instrumnet Name :	P7
Client Sample ID :	923-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 19:54:50	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12219	11972	12309	12167	1.43	cps
Vanadium	51-2	18501	19096	18925	18841	1.62	cps
Yttrium	89-1	11541212	11430571	11497083	11489622	0.48	cps
Yttrium	89-2	2710582	2795076	2726037	2743898	1.64	cps
Zinc	66-2	80040	80757	79765	80187	0.64	cps
Zirconium	90-1	11872	12215	12195	12094	1.59	cps
Zirconium	91-1	2647	2754	2680	2694	2.03	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:58:07	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1509789	1531550	1486637	1509325	1.49	cps
Antimony	121-1	2460	2490	2304	2418	4.15	cps
Arsenic	75-2	4111	3981	4047	4046	1.61	cps
Barium	135-1	100139	97212	98945	98765	1.49	cps
Barium	137-1	173869	171214	164682	169922	2.78	cps
Beryllium	9-1	1450	1297	1307	1351	6.35	cps
Bismuth	209-1	5686047	5764757	5900368	5783724	1.87	cps
Bismuth	209-2	4925264	4926513	4828405	4893394	1.15	cps
Bromine	81-1	12622	14297	14878	13932	8.41	cps
Bromine	81-2	1740	1777	1700	1739	2.21	cps
Cadmium	108-1	120	127	113	120	5.55	cps
Cadmium	106-1	3907	3764	3634	3768	3.63	cps
Cadmium	111-1	3851	3686	3491	3676	4.90	cps
Calcium	43-1	54528	54949	52374	53950	2.56	cps
Calcium	44-1	875993	882266	891505	883255	0.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	85427	84234	83560	84407	1.12	cps
Cobalt	59-2	145218	145612	142163	144331	1.31	cps
Copper	63-2	121193	119977	119056	120075	0.89	cps
Dysprosium	156-1	364170	355612	358348	359377	1.22	cps
Dysprosium	156-2	268855	269435	267750	268680	0.32	cps
Erbium	164-1	335904	336357	339269	337176	0.54	cps
Erbium	164-2	228523	224503	225674	226234	0.91	cps
Gadolinium	160-1	393249	396070	389101	392807	0.89	cps
Gadolinium	160-2	275394	275912	274169	275158	0.33	cps
Holmium	165-1	10507983	9994940	10095402	10199442	2.67	cps
Holmium	165-2	7114045	6828633	7027708	6990129	2.09	cps
Indium	115-1	8827614	8521267	8461159	8603347	2.28	cps
Indium	115-2	2779786	2731053	2674773	2728537	1.93	cps
Iron	56-2	39929474	39017424	39206385	39384428	1.22	cps
Iron	57-2	1034858	1023478	1021293	1026543	0.71	cps
Iron	54-2	2182411	2192193	2149749	2174785	1.02	cps
Krypton	83-1	687	657	680	674	2.34	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:58:07	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	204361	201269	204584	203404	0.91	cps
Lead	207-1	172350	171946	170992	171763	0.41	cps
Lead	208-1	793048	792911	796966	794308	0.29	cps
Lithium	6-1	1572772	1608054	1646024	1608950	2.28	cps
Magnesium	24-2	701661	687085	694800	694515	1.05	cps
Manganese	55-2	803817	795147	785245	794736	1.17	cps
Molybdenum	94-1	23669	23429	23633	23577	0.55	cps
Molybdenum	95-1	2784	2760	2840	2795	1.47	cps
Molybdenum	96-1	7632	7419	7302	7451	2.25	cps
Molybdenum	97-1	1863	1707	1773	1781	4.41	cps
Molybdenum	98-1	4394	4511	4444	4450	1.32	cps
Neodymium	150-1	602054	607300	598566	602640	0.73	cps
Neodymium	150-2	334290	334937	334251	334493	0.12	cps
Nickel	60-2	23091	22871	22407	22790	1.53	cps
Phosphorus	31-2	3367	3330	3200	3299	2.66	cps
Potassium	39-2	384907	379775	382417	382366	0.67	cps
Rhodium	103-1	8360596	8073226	8046558	8160127	2.13	cps
Rhodium	103-2	4668075	4500117	4554945	4574379	1.87	cps
Scandium	45-1	5481800	5423348	5416005	5440384	0.66	cps
Scandium	45-2	392783	386357	384161	387767	1.16	cps
Selenium	82-1	912	999	995	969	5.07	cps
Selenium	77-2	1007	980	990	992	1.36	cps
Selenium	78-2	870	857	890	872	1.92	cps
Silicon	28-1	18130720	19032603	19834856	18999393	4.49	cps
Silver	107-1	8176	8546	8393	8371	2.22	cps
Silver	109-1	7919	7852	7916	7896	0.48	cps
Sodium	23-2	356922	351074	353929	353975	0.83	cps
Strontium	86-1	43825	44216	42695	43579	1.81	cps
Strontium	88-1	372531	371187	367772	370497	0.66	cps
Sulfur	34-1	216005	211291	212054	213117	1.19	cps
Terbium	159-1	10785283	10463708	10414644	10554545	1.91	cps
Terbium	159-2	6872870	6798119	6879555	6850181	0.66	cps
Thallium	203-1	1953	1880	1837	1890	3.12	cps
Thallium	205-1	4371	4547	4487	4469	2.01	cps
Tin	118-1	19206	18899	18569	18891	1.69	cps
Titanium	47-1	276945	266258	267474	270226	2.17	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 19:58:07	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30234	30782	29279	30098	2.53	cps
Vanadium	51-2	79977	78875	78955	79269	0.78	cps
Yttrium	89-1	16375000	16209062	16490239	16358100	0.86	cps
Yttrium	89-2	3743705	3751188	3757057	3750650	0.18	cps
Zinc	66-2	56536	55867	56700	56368	0.78	cps
Zirconium	90-1	60119	58864	59714	59566	1.08	cps
Zirconium	91-1	13309	13123	13156	13196	0.75	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:01:20	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	291370	293759	288236	291121	0.95	cps
Antimony	121-1	470	460	547	492	9.63	cps
Arsenic	75-2	813	717	823	784	7.51	cps
Barium	135-1	17765	18526	18232	18174	2.11	cps
Barium	137-1	32223	31792	31695	31904	0.88	cps
Beryllium	9-1	363	263	257	294	20.29	cps
Bismuth	209-1	5548916	5819160	5551809	5639962	2.75	cps
Bismuth	209-2	4698704	4679100	4765802	4714535	0.96	cps
Bromine	81-1	9773	10114	9513	9800	3.07	cps
Bromine	81-2	430	403	463	432	6.96	cps
Cadmium	108-1	30	37	30	32	11.95	cps
Cadmium	106-1	2497	2487	2447	2477	1.07	cps
Cadmium	111-1	1964	1972	1862	1932	3.17	cps
Calcium	43-1	10387	10063	10357	10269	1.74	cps
Calcium	44-1	166848	175714	167080	169881	2.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16723	16095	16009	16276	2.39	cps
Cobalt	59-2	27692	27388	27996	27692	1.10	cps
Copper	63-2	22781	22764	23378	22974	1.52	cps
Dysprosium	156-1	65864	66888	66999	66584	0.94	cps
Dysprosium	156-2	51454	50092	49999	50515	1.61	cps
Erbium	164-1	62007	63055	61588	62217	1.21	cps
Erbium	164-2	41655	43153	42264	42357	1.78	cps
Gadolinium	160-1	72637	71897	72550	72361	0.56	cps
Gadolinium	160-2	51745	51625	51471	51614	0.27	cps
Holmium	165-1	9380902	9484643	9378577	9414707	0.64	cps
Holmium	165-2	6549418	6636307	6641168	6608964	0.78	cps
Indium	115-1	8046851	8527082	8571828	8381920	3.47	cps
Indium	115-2	2624577	2664891	2586327	2625265	1.50	cps
Iron	56-2	7548913	7585055	7358204	7497391	1.63	cps
Iron	57-2	195029	197555	194769	195784	0.79	cps
Iron	54-2	428330	432543	424491	428455	0.94	cps
Krypton	83-1	237	250	317	268	16.01	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:01:20	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	37074	38939	38982	38332	2.84	cps
Lead	207-1	31102	32940	32322	32121	2.91	cps
Lead	208-1	147442	150186	149518	149049	0.96	cps
Lithium	6-1	1551291	1576287	1514424	1547334	2.01	cps
Magnesium	24-2	132307	131167	129274	130916	1.17	cps
Manganese	55-2	149905	149017	148824	149249	0.39	cps
Molybdenum	94-1	4537	4324	4434	4432	2.41	cps
Molybdenum	95-1	557	700	557	604	13.69	cps
Molybdenum	96-1	1387	1610	1467	1488	7.61	cps
Molybdenum	97-1	307	377	387	357	12.22	cps
Molybdenum	98-1	897	1007	857	920	8.44	cps
Neodymium	150-1	112010	112410	110718	111713	0.79	cps
Neodymium	150-2	62722	63753	63784	63420	0.95	cps
Nickel	60-2	4737	4691	4637	4689	1.07	cps
Phosphorus	31-2	760	710	630	700	9.37	cps
Potassium	39-2	109316	109275	110427	109673	0.60	cps
Rhodium	103-1	7876196	7966202	8039154	7960517	1.03	cps
Rhodium	103-2	4427814	4458307	4399075	4428399	0.67	cps
Scandium	45-1	5178678	5248117	5105749	5177514	1.38	cps
Scandium	45-2	365453	370498	368046	367999	0.69	cps
Selenium	82-1	497	480	473	483	2.49	cps
Selenium	77-2	177	220	203	200	10.93	cps
Selenium	78-2	337	370	330	346	6.20	cps
Silicon	28-1	3764277	3953551	3632917	3783582	4.26	cps
Silver	107-1	2023	2054	1860	1979	5.26	cps
Silver	109-1	1827	1880	1883	1863	1.71	cps
Sodium	23-2	76107	76559	75464	76043	0.72	cps
Strontium	86-1	8019	8246	7825	8030	2.62	cps
Strontium	88-1	69440	69279	67266	68662	1.76	cps
Sulfur	34-1	154984	157910	155441	156111	1.01	cps
Terbium	159-1	9980219	9827168	10143429	9983606	1.58	cps
Terbium	159-2	6535767	6593524	6540705	6556665	0.49	cps
Thallium	203-1	417	370	357	381	8.27	cps
Thallium	205-1	880	867	823	857	3.46	cps
Tin	118-1	3784	3981	3871	3878	2.54	cps
Titanium	47-1	50150	51196	51364	50903	1.29	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-07DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0-0.5-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:01:20	DataFile Name :	071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5628	5785	5871	5761	2.14	cps
Vanadium	51-2	14984	15044	14864	14964	0.61	cps
Yttrium	89-1	11686382	11937139	11741841	11788454	1.12	cps
Yttrium	89-2	2772237	2794913	2714316	2760488	1.51	cps
Zinc	66-2	10824	10937	11064	10942	1.10	cps
Zirconium	90-1	11244	11468	11334	11349	0.99	cps
Zirconium	91-1	2570	2520	2627	2572	2.08	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:04:37	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2118116	2076745	2122488	2105783	1.20	cps
Antimony	121-1	550	590	677	606	10.69	cps
Arsenic	75-2	1593	1593	1590	1592	0.12	cps
Barium	135-1	125810	122300	120838	122983	2.08	cps
Barium	137-1	217614	215707	213737	215686	0.90	cps
Beryllium	9-1	1180	1093	1093	1122	4.46	cps
Bismuth	209-1	6007342	5867423	5855872	5910212	1.43	cps
Bismuth	209-2	4962538	4836958	4879477	4892991	1.31	cps
Bromine	81-1	12045	12415	12929	12463	3.56	cps
Bromine	81-2	1160	1250	1283	1231	5.18	cps
Cadmium	108-1	133	137	97	122	18.16	cps
Cadmium	106-1	3147	3534	3090	3257	7.41	cps
Cadmium	111-1	2340	2568	2316	2408	5.79	cps
Calcium	43-1	29031	29896	29462	29463	1.47	cps
Calcium	44-1	485789	476533	477556	479960	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	134084	133415	134457	133985	0.39	cps
Cobalt	59-2	23979	23378	23669	23675	1.27	cps
Copper	63-2	89304	89636	89486	89476	0.19	cps
Dysprosium	156-1	157058	154641	152775	154825	1.39	cps
Dysprosium	156-2	120966	119877	120176	120339	0.47	cps
Erbium	164-1	151556	145438	145452	147482	2.39	cps
Erbium	164-2	100028	98823	98703	99185	0.74	cps
Gadolinium	160-1	156803	157886	157585	157425	0.36	cps
Gadolinium	160-2	112070	111614	109505	111063	1.23	cps
Holmium	165-1	10318211	10179871	9914494	10137525	2.02	cps
Holmium	165-2	7006033	6903036	6913959	6941010	0.82	cps
Indium	115-1	8845112	8574571	8544131	8654605	1.91	cps
Indium	115-2	2723152	2696795	2699047	2706331	0.54	cps
Iron	56-2	31888540	31968642	31122223	31659801	1.48	cps
Iron	57-2	826103	824077	815391	821857	0.69	cps
Iron	54-2	1761674	1755759	1766347	1761260	0.30	cps
Krypton	83-1	440	363	383	396	10.05	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:04:37	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	107688	106366	105801	106619	0.91	cps
Lead	207-1	91451	92795	93136	92461	0.96	cps
Lead	208-1	424003	421008	418827	421279	0.62	cps
Lithium	6-1	1729679	1647867	1670291	1682612	2.51	cps
Magnesium	24-2	530452	527156	525716	527775	0.46	cps
Manganese	55-2	231174	230624	230315	230704	0.19	cps
Molybdenum	94-1	38033	38206	37635	37958	0.77	cps
Molybdenum	95-1	1353	1380	1290	1341	3.45	cps
Molybdenum	96-1	8206	8372	8209	8262	1.15	cps
Molybdenum	97-1	910	857	923	897	3.93	cps
Molybdenum	98-1	2094	2247	2150	2164	3.58	cps
Neodymium	150-1	258773	251820	250678	253757	1.73	cps
Neodymium	150-2	143004	141735	139880	141540	1.11	cps
Nickel	60-2	16719	16846	15949	16505	2.94	cps
Phosphorus	31-2	1797	1587	1660	1681	6.34	cps
Potassium	39-2	543718	547957	540927	544201	0.65	cps
Rhodium	103-1	8227324	8522729	8349420	8366491	1.77	cps
Rhodium	103-2	4537225	4556401	4552664	4548763	0.22	cps
Scandium	45-1	5859310	5713606	5659077	5743998	1.80	cps
Scandium	45-2	407181	405232	406910	406441	0.26	cps
Selenium	82-1	558	627	586	590	5.90	cps
Selenium	77-2	440	400	427	422	4.82	cps
Selenium	78-2	510	470	500	493	4.22	cps
Silicon	28-1	25343052	24776190	24023823	24714355	2.68	cps
Silver	107-1	2734	2674	2894	2767	4.11	cps
Silver	109-1	2554	2664	2577	2598	2.23	cps
Sodium	23-2	305070	305871	302162	304368	0.64	cps
Strontium	86-1	32105	32008	31591	31901	0.86	cps
Strontium	88-1	276180	272789	273933	274301	0.63	cps
Sulfur	34-1	149587	148473	146804	148288	0.94	cps
Terbium	159-1	10321811	10552618	10580877	10485102	1.36	cps
Terbium	159-2	6779154	6819036	6789913	6796035	0.30	cps
Thallium	203-1	1777	1953	1930	1887	5.09	cps
Thallium	205-1	4547	4367	4514	4476	2.14	cps
Tin	118-1	59231	59459	58317	59002	1.02	cps
Titanium	47-1	371395	354603	348434	358144	3.32	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:04:37	DataFile Name :	072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57333	57021	57731	57362	0.62	cps
Vanadium	51-2	135935	137883	137251	137023	0.73	cps
Yttrium	89-1	14686031	14432226	14071772	14396676	2.14	cps
Yttrium	89-2	3270328	3156410	3234235	3220324	1.81	cps
Zinc	66-2	28284	27165	27175	27541	2.33	cps
Zirconium	90-1	103798	99692	98404	100631	2.80	cps
Zirconium	91-1	22437	23005	22744	22729	1.25	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:07:50	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	403120	407410	408109	406213	0.66	cps
Antimony	121-1	167	187	190	181	6.97	cps
Arsenic	75-2	263	290	253	269	7.05	cps
Barium	135-1	23319	23316	23643	23426	0.80	cps
Barium	137-1	40377	40715	39990	40361	0.90	cps
Beryllium	9-1	290	277	240	269	9.63	cps
Bismuth	209-1	5685526	5589666	5766755	5680649	1.56	cps
Bismuth	209-2	4827697	4824097	4741015	4797603	1.02	cps
Bromine	81-1	8799	9063	9363	9075	3.11	cps
Bromine	81-2	283	317	343	314	9.56	cps
Cadmium	108-1	40	20	20	27	43.30	cps
Cadmium	106-1	2547	2440	2454	2480	2.34	cps
Cadmium	111-1	1818	1757	1750	1775	2.10	cps
Calcium	43-1	5771	5921	5711	5801	1.87	cps
Calcium	44-1	97814	101040	100297	99717	1.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26026	25946	25612	25861	0.85	cps
Cobalt	59-2	4554	4344	4394	4431	2.48	cps
Copper	63-2	17754	17424	17620	17599	0.94	cps
Dysprosium	156-1	28860	28739	28636	28745	0.39	cps
Dysprosium	156-2	22819	22712	22889	22806	0.39	cps
Erbium	164-1	27387	27544	27217	27382	0.60	cps
Erbium	164-2	19046	18673	19020	18913	1.10	cps
Gadolinium	160-1	29361	29999	29023	29461	1.68	cps
Gadolinium	160-2	21350	21654	20919	21307	1.73	cps
Holmium	165-1	9782979	9504964	9609525	9632489	1.46	cps
Holmium	165-2	6658153	6635487	6569148	6620929	0.70	cps
Indium	115-1	8639236	8228308	8459723	8442422	2.44	cps
Indium	115-2	2645085	2607187	2633283	2628519	0.74	cps
Iron	56-2	5984431	6106382	6113298	6068037	1.19	cps
Iron	57-2	158557	158393	158196	158382	0.11	cps
Iron	54-2	346645	349542	345645	347277	0.58	cps
Krypton	83-1	170	220	210	200	13.23	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:07:50	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20295	20506	20305	20369	0.58	cps
Lead	207-1	17214	17588	17235	17346	1.21	cps
Lead	208-1	79167	80667	78511	79448	1.39	cps
Lithium	6-1	1497067	1562069	1571690	1543609	2.63	cps
Magnesium	24-2	99824	99365	100023	99737	0.34	cps
Manganese	55-2	44533	44442	45084	44686	0.78	cps
Molybdenum	94-1	6948	7038	7219	7068	1.95	cps
Molybdenum	95-1	327	313	357	332	6.68	cps
Molybdenum	96-1	1754	1630	1740	1708	3.97	cps
Molybdenum	97-1	217	220	273	237	13.44	cps
Molybdenum	98-1	590	543	557	563	4.27	cps
Neodymium	150-1	46670	47031	47593	47098	0.99	cps
Neodymium	150-2	26856	27537	26548	26980	1.88	cps
Nickel	60-2	3420	3210	3317	3316	3.17	cps
Phosphorus	31-2	557	457	477	497	10.65	cps
Potassium	39-2	139815	138795	138019	138876	0.65	cps
Rhodium	103-1	7966605	8073718	7927234	7989186	0.95	cps
Rhodium	103-2	4498503	4457027	4393093	4449541	1.19	cps
Scandium	45-1	5388159	5173913	5423334	5328468	2.53	cps
Scandium	45-2	368073	367947	366691	367571	0.21	cps
Selenium	82-1	465	439	417	440	5.39	cps
Selenium	77-2	70	53	80	68	19.88	cps
Selenium	78-2	287	260	253	267	6.61	cps
Silicon	28-1	4877525	5033230	5059947	4990234	1.97	cps
Silver	107-1	630	617	497	581	12.64	cps
Silver	109-1	593	527	620	580	8.29	cps
Sodium	23-2	66955	67661	67487	67368	0.55	cps
Strontium	86-1	5985	6278	6288	6184	2.79	cps
Strontium	88-1	51871	51704	52018	51864	0.30	cps
Sulfur	34-1	142214	140570	140075	140953	0.79	cps
Terbium	159-1	10259171	10037658	10056548	10117792	1.21	cps
Terbium	159-2	6538020	6553924	6576813	6556252	0.30	cps
Thallium	203-1	387	303	390	360	13.64	cps
Thallium	205-1	860	873	940	891	4.81	cps
Tin	118-1	12119	12159	12536	12271	1.88	cps
Titanium	47-1	65019	65826	64724	65190	0.87	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:07:50	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10391	10998	10678	10689	2.84	cps
Vanadium	51-2	25578	26043	25652	25758	0.97	cps
Yttrium	89-1	11546935	11684149	11573441	11601508	0.63	cps
Yttrium	89-2	2631893	2627426	2702399	2653906	1.58	cps
Zinc	66-2	5825	5981	5591	5799	3.39	cps
Zirconium	90-1	19269	18992	19173	19145	0.73	cps
Zirconium	91-1	4387	4381	4177	4315	2.77	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:11:06	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	408439	410177	412548	410388	0.50	cps
Antimony	121-1	6495	6815	6728	6679	2.48	cps
Arsenic	75-2	317	317	307	313	1.84	cps
Barium	135-1	23433	23560	24094	23695	1.48	cps
Barium	137-1	40615	40839	40986	40813	0.46	cps
Beryllium	9-1	187	227	240	218	12.74	cps
Bismuth	209-1	5634537	5647503	5560925	5614321	0.83	cps
Bismuth	209-2	4684802	4804055	4873504	4787454	1.99	cps
Bromine	81-1	8386	8999	8776	8720	3.56	cps
Bromine	81-2	347	367	283	332	13.10	cps
Cadmium	108-1	20	40	40	33	34.64	cps
Cadmium	106-1	2614	2384	2380	2459	5.44	cps
Cadmium	111-1	1876	1724	1731	1777	4.81	cps
Calcium	43-1	5728	5835	5714	5759	1.14	cps
Calcium	44-1	97864	101165	99471	99500	1.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	26293	25886	26139	26106	0.79	cps
Cobalt	59-2	4401	4524	4514	4480	1.53	cps
Copper	63-2	17721	17771	17540	17677	0.68	cps
Dysprosium	156-1	28900	29334	29538	29257	1.11	cps
Dysprosium	156-2	22738	23026	22882	22882	0.63	cps
Erbium	164-1	27487	28138	27150	27592	1.82	cps
Erbium	164-2	18462	18749	18713	18641	0.84	cps
Gadolinium	160-1	29541	29982	29260	29595	1.23	cps
Gadolinium	160-2	21266	21022	21013	21100	0.68	cps
Holmium	165-1	9825680	9595761	9588250	9669897	1.40	cps
Holmium	165-2	6469124	6704953	6710252	6628110	2.08	cps
Indium	115-1	8521832	8329708	8579122	8476887	1.54	cps
Indium	115-2	2598163	2609878	2685654	2631232	1.81	cps
Iron	56-2	6171168	6171413	6188342	6176975	0.16	cps
Iron	57-2	162849	161942	161778	162190	0.36	cps
Iron	54-2	354433	352853	352727	353338	0.27	cps
Krypton	83-1	223	223	247	231	5.83	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:11:06	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19624	20599	20322	20182	2.49	cps
Lead	207-1	17438	17451	17291	17393	0.51	cps
Lead	208-1	79298	81901	80059	80419	1.66	cps
Lithium	6-1	1513460	1594072	1530698	1546077	2.75	cps
Magnesium	24-2	100579	99352	100116	100016	0.62	cps
Manganese	55-2	44853	45154	44392	44800	0.86	cps
Molybdenum	94-1	7002	7282	6892	7058	2.85	cps
Molybdenum	95-1	487	397	477	453	10.88	cps
Molybdenum	96-1	1707	1863	1830	1800	4.59	cps
Molybdenum	97-1	280	260	240	260	7.69	cps
Molybdenum	98-1	597	633	760	663	12.92	cps
Neodymium	150-1	46891	48620	46901	47471	2.10	cps
Neodymium	150-2	26435	27029	26749	26738	1.11	cps
Nickel	60-2	3084	3374	3480	3313	6.20	cps
Phosphorus	31-2	540	467	527	511	7.64	cps
Potassium	39-2	147126	143956	144724	145269	1.14	cps
Rhodium	103-1	8003538	7788787	7857703	7883343	1.39	cps
Rhodium	103-2	4367986	4339966	4455991	4387981	1.38	cps
Scandium	45-1	5279704	5172287	5329917	5260636	1.53	cps
Scandium	45-2	370668	367284	365041	367664	0.77	cps
Selenium	82-1	373	387	363	374	3.13	cps
Selenium	77-2	83	87	73	81	8.56	cps
Selenium	78-2	247	270	223	247	9.46	cps
Silicon	28-1	5088064	4805013	4897203	4930094	2.93	cps
Silver	107-1	577	687	643	636	8.72	cps
Silver	109-1	620	593	557	590	5.39	cps
Sodium	23-2	66573	67139	67136	66949	0.49	cps
Strontium	86-1	6515	6168	6702	6461	4.19	cps
Strontium	88-1	51808	54035	51962	52602	2.37	cps
Sulfur	34-1	142810	141656	142221	142229	0.41	cps
Terbium	159-1	10272389	9834679	9979168	10028745	2.22	cps
Terbium	159-2	6468319	6636487	6603439	6569415	1.36	cps
Thallium	203-1	470	440	487	466	5.08	cps
Thallium	205-1	1070	1090	1133	1098	2.95	cps
Tin	118-1	11945	12035	11985	11988	0.38	cps
Titanium	47-1	68451	64554	66998	66667	2.95	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:11:06	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10895	10738	10468	10700	2.02	cps
Vanadium	51-2	26420	25839	26009	26089	1.14	cps
Yttrium	89-1	11544522	11533664	11571421	11549869	0.17	cps
Yttrium	89-2	2687385	2654781	2587078	2643081	1.94	cps
Zinc	66-2	5408	5531	5624	5521	1.97	cps
Zirconium	90-1	18802	18759	18679	18747	0.33	cps
Zirconium	91-1	4374	4291	4277	4314	1.21	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:14:21	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5815621	5571900	5611978	5666500	2.31	cps
Antimony	121-1	3374896	3384023	3456231	3405050	1.31	cps
Arsenic	75-2	162266	159433	159746	160481	0.97	cps
Barium	135-1	3916823	3992476	3975581	3961627	1.00	cps
Barium	137-1	6767779	6809917	6991366	6856354	1.73	cps
Beryllium	9-1	604373	632740	639150	625421	2.96	cps
Bismuth	209-1	5383606	5307185	5386811	5359201	0.84	cps
Bismuth	209-2	4464174	4419324	4429314	4437604	0.53	cps
Bromine	81-1	7909	7839	7732	7827	1.14	cps
Bromine	81-2	117	67	80	88	29.50	cps
Cadmium	108-1	57062	58193	57554	57603	0.98	cps
Cadmium	106-1	84202	84266	84843	84437	0.42	cps
Cadmium	111-1	788159	787130	782961	786083	0.35	cps
Calcium	43-1	4851938	4782764	4852816	4829173	0.83	cps
Calcium	44-1	76872231	77310942	75254751	76479308	1.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1158244	1153007	1144592	1151948	0.60	cps
Cobalt	59-2	1813278	1743809	1744949	1767345	2.25	cps
Copper	63-2	12189464	11632071	11824937	11882157	2.38	cps
Dysprosium	156-1	260	217	220	232	10.39	cps
Dysprosium	156-2	293	267	287	282	4.92	cps
Erbium	164-1	257	247	237	247	4.05	cps
Erbium	164-2	160	160	183	168	8.03	cps
Gadolinium	160-1	187	190	250	209	17.06	cps
Gadolinium	160-2	377	450	320	382	17.05	cps
Holmium	165-1	9637414	9505612	9591205	9578077	0.70	cps
Holmium	165-2	6689683	6484279	6511158	6561707	1.70	cps
Indium	115-1	8154445	7872024	7852704	7959724	2.12	cps
Indium	115-2	2516081	2501428	2415414	2477641	2.20	cps
Iron	56-2	245265656	244214396	242539756	244006603	0.56	cps
Iron	57-2	6053970	6040262	5977239	6023824	0.68	cps
Iron	54-2	13169955	13322130	12849691	13113925	1.84	cps
Krypton	83-1	207	190	227	208	8.84	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:14:21	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10196714	10456595	10447236	10366848	1.42	cps
Lead	207-1	8960029	9187875	9323415	9157106	2.01	cps
Lead	208-1	40610958	41269033	41685175	41188389	1.32	cps
Lithium	6-1	1554751	1609489	1679666	1614635	3.88	cps
Magnesium	24-2	51042178	51064154	49852636	50652989	1.37	cps
Manganese	55-2	8096777	8052219	7897975	8015657	1.30	cps
Molybdenum	94-1	12525324	12327705	12285704	12379577	1.03	cps
Molybdenum	95-1	18138419	17899666	17636164	17891417	1.40	cps
Molybdenum	96-1	19348550	19621399	19291830	19420593	0.91	cps
Molybdenum	97-1	11268939	11107379	11140072	11172130	0.76	cps
Molybdenum	98-1	28978712	28760798	28137999	28625836	1.52	cps
Neodymium	150-1	253	307	300	287	10.14	cps
Neodymium	150-2	127	100	90	106	17.96	cps
Nickel	60-2	436016	430301	432124	432814	0.67	cps
Phosphorus	31-2	67250	67324	66393	66989	0.77	cps
Potassium	39-2	30294161	29923252	29811188	30009534	0.84	cps
Rhodium	103-1	7340354	7222399	7202503	7255086	1.03	cps
Rhodium	103-2	4061948	4052526	3973381	4029285	1.21	cps
Scandium	45-1	5223746	5184886	5123434	5177355	0.98	cps
Scandium	45-2	354942	356328	347480	352917	1.35	cps
Selenium	82-1	53146	52597	52797	52847	0.53	cps
Selenium	77-2	4424	4327	4177	4310	2.89	cps
Selenium	78-2	14677	14564	14083	14442	2.18	cps
Silicon	28-1	31738626	32784867	33065422	32529638	2.15	cps
Silver	107-1	3918408	3902120	3930439	3916989	0.36	cps
Silver	109-1	3756799	3637215	3705148	3699721	1.62	cps
Sodium	23-2	81682944	80892762	79426289	80667332	1.42	cps
Strontium	86-1	26158767	26144660	25929453	26077627	0.49	cps
Strontium	88-1	228322737	226932423	229887377	228380845	0.65	cps
Sulfur	34-1	469040	483065	481956	478020	1.63	cps
Terbium	159-1	10112259	9996724	9976258	10028414	0.73	cps
Terbium	159-2	6745055	6489707	6599233	6611332	1.94	cps
Thallium	203-1	2680353	2639299	2645437	2655030	0.83	cps
Thallium	205-1	6258420	6195869	6283357	6245882	0.72	cps
Tin	118-1	2569273	2558920	2618046	2582080	1.22	cps
Titanium	47-1	4892905	4962555	4984699	4946719	0.97	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV05	Instrumnet Name :	P7
Client Sample ID :	CCV05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:14:21	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7926584	8006086	8071073	8001247	0.90	cps
Vanadium	51-2	1032911	1041047	1029410	1034456	0.58	cps
Yttrium	89-1	10923725	11273925	10942098	11046583	1.78	cps
Yttrium	89-2	2441502	2463200	2463151	2455951	0.51	cps
Zinc	66-2	2062130	2031597	2010085	2034604	1.29	cps
Zirconium	90-1	5760345	5865015	5950464	5858608	1.63	cps
Zirconium	91-1	1300854	1318429	1296976	1305420	0.88	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:29:04	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	310	317	290	306	4.54	cps
Antimony	121-1	373	587	597	519	24.31	cps
Arsenic	75-2	0	3	0	1	173.21	cps
Barium	135-1	70	80	70	73	7.87	cps
Barium	137-1	120	83	113	106	18.51	cps
Beryllium	9-1	43	37	33	38	13.48	cps
Bismuth	209-1	5613662	5193884	5582569	5463372	4.28	cps
Bismuth	209-2	4622095	4700224	4630046	4650788	0.92	cps
Bromine	81-1	7549	7622	7919	7697	2.55	cps
Bromine	81-2	70	73	43	62	26.43	cps
Cadmium	108-1	10	17	7	11	45.82	cps
Cadmium	106-1	2027	1950	1820	1932	5.41	cps
Cadmium	111-1	1438	1373	1286	1366	5.60	cps
Calcium	43-1	300	297	320	306	4.13	cps
Calcium	44-1	10211	10658	10671	10513	2.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	617	580	587	594	3.29	cps
Cobalt	59-2	63	57	93	71	27.46	cps
Copper	63-2	963	1003	1013	993	2.66	cps
Dysprosium	156-1	20	3	10	11	75.52	cps
Dysprosium	156-2	10	10	0	7	86.60	cps
Erbium	164-1	50	73	77	67	21.80	cps
Erbium	164-2	43	47	47	46	4.23	cps
Gadolinium	160-1	67	40	57	54	24.75	cps
Gadolinium	160-2	310	320	273	301	8.16	cps
Holmium	165-1	9149954	8794543	9080622	9008373	2.09	cps
Holmium	165-2	6372627	6342927	6474443	6396666	1.08	cps
Indium	115-1	8295851	7747083	7965083	8002672	3.45	cps
Indium	115-2	2613324	2594226	2645591	2617714	0.99	cps
Iron	56-2	14063	14847	16019	14976	6.57	cps
Iron	57-2	1640	1587	1667	1631	2.50	cps
Iron	54-2	1587	1530	1583	1567	2.03	cps
Krypton	83-1	177	257	193	209	20.21	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:29:04	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	257	250	283	263	6.70	cps
Lead	207-1	227	277	223	242	12.33	cps
Lead	208-1	1217	1187	1150	1184	2.82	cps
Lithium	6-1	1499189	1444161	1555512	1499621	3.71	cps
Magnesium	24-2	1130	1267	1517	1305	15.03	cps
Manganese	55-2	267	390	383	347	20.01	cps
Molybdenum	94-1	287	307	403	332	18.78	cps
Molybdenum	95-1	163	170	237	190	21.34	cps
Molybdenum	96-1	227	260	290	259	12.24	cps
Molybdenum	97-1	100	80	143	108	30.04	cps
Molybdenum	98-1	237	263	360	287	22.64	cps
Neodymium	150-1	13	7	10	10	33.30	cps
Neodymium	150-2	3	3	13	7	86.65	cps
Nickel	60-2	187	183	143	171	14.09	cps
Phosphorus	31-2	153	127	137	139	9.70	cps
Potassium	39-2	46842	47089	47758	47230	1.00	cps
Rhodium	103-1	7652304	7329494	7738906	7573568	2.85	cps
Rhodium	103-2	4402567	4366512	4415533	4394870	0.58	cps
Scandium	45-1	5156900	4941519	5094874	5064431	2.19	cps
Scandium	45-2	367063	365373	362998	365145	0.56	cps
Selenium	82-1	290	212	302	268	18.09	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	233	227	203	221	7.12	cps
Silicon	28-1	292275	295597	295048	294307	0.61	cps
Silver	107-1	90	90	83	88	4.39	cps
Silver	109-1	70	57	73	67	13.22	cps
Sodium	23-2	14544	14627	14190	14454	1.61	cps
Strontium	86-1	400	433	490	441	10.32	cps
Strontium	88-1	1017	1027	1547	1197	25.33	cps
Sulfur	34-1	198920	198921	198366	198736	0.16	cps
Terbium	159-1	9621147	9136006	9611139	9456097	2.93	cps
Terbium	159-2	6410205	6426297	6483360	6439954	0.60	cps
Thallium	203-1	43	47	57	49	14.20	cps
Thallium	205-1	90	80	83	84	6.03	cps
Tin	118-1	880	963	1040	961	8.33	cps
Titanium	47-1	103	110	177	130	31.20	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB05	Instrumnet Name :	P7
Client Sample ID :	CCB05	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:29:04	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	30	20	83	44	76.61	cps
Vanadium	51-2	23	27	43	31	34.44	cps
Yttrium	89-1	10937028	10332044	10985853	10751642	3.39	cps
Yttrium	89-2	2519262	2500368	2555958	2525196	1.12	cps
Zinc	66-2	710	630	687	676	6.09	cps
Zirconium	90-1	557	700	780	679	16.67	cps
Zirconium	91-1	140	150	163	151	7.75	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUP	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:32:42	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2151753	2135112	2104907	2130591	1.11	cps
Antimony	121-1	34562	35754	34755	35024	1.83	cps
Arsenic	75-2	1750	1760	1610	1707	4.91	cps
Barium	135-1	124732	126006	124277	125005	0.72	cps
Barium	137-1	217287	214369	212792	214816	1.06	cps
Beryllium	9-1	1103	1180	1160	1148	3.47	cps
Bismuth	209-1	5842157	5892210	5814498	5849622	0.67	cps
Bismuth	209-2	4990218	4841142	4862016	4897792	1.65	cps
Bromine	81-1	10661	12309	12178	11716	7.82	cps
Bromine	81-2	1083	1337	1313	1245	11.25	cps
Cadmium	108-1	127	103	130	120	12.11	cps
Cadmium	106-1	3294	3287	3004	3195	5.18	cps
Cadmium	111-1	2554	2595	2352	2500	5.21	cps
Calcium	43-1	30020	28914	29158	29364	1.98	cps
Calcium	44-1	483273	489513	475676	482821	1.44	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	133482	135008	134625	134371	0.59	cps
Cobalt	59-2	23986	24276	23752	24005	1.09	cps
Copper	63-2	90049	91498	90096	90547	0.91	cps
Dysprosium	156-1	155342	153526	153957	154275	0.62	cps
Dysprosium	156-2	121417	121276	120684	121126	0.32	cps
Erbium	164-1	144808	147883	143657	145450	1.50	cps
Erbium	164-2	100629	99998	99005	99877	0.82	cps
Gadolinium	160-1	160313	157073	156085	157824	1.40	cps
Gadolinium	160-2	111674	111879	110660	111404	0.59	cps
Holmium	165-1	10217749	10096165	9966479	10093464	1.24	cps
Holmium	165-2	6991317	6664958	6923109	6859795	2.51	cps
Indium	115-1	8669107	8590183	8646296	8635195	0.47	cps
Indium	115-2	2752733	2750190	2710856	2737926	0.86	cps
Iron	56-2	32712831	32586253	31919587	32406224	1.32	cps
Iron	57-2	841849	846224	834183	840752	0.72	cps
Iron	54-2	1803790	1809384	1797404	1803526	0.33	cps
Krypton	83-1	360	413	397	390	7.00	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUP	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:32:42	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	108818	108287	108402	108502	0.26	cps
Lead	207-1	92284	92290	91157	91910	0.71	cps
Lead	208-1	425350	427688	422946	425328	0.56	cps
Lithium	6-1	1644556	1747646	1612178	1668127	4.24	cps
Magnesium	24-2	542395	537933	536569	538966	0.57	cps
Manganese	55-2	235754	233767	235089	234870	0.43	cps
Molybdenum	94-1	37438	37408	37003	37283	0.65	cps
Molybdenum	95-1	1770	1887	1903	1853	3.92	cps
Molybdenum	96-1	8759	8526	8282	8523	2.80	cps
Molybdenum	97-1	1180	1067	1160	1136	5.33	cps
Molybdenum	98-1	2817	2974	2894	2895	2.71	cps
Neodymium	150-1	249181	256309	247170	250886	1.91	cps
Neodymium	150-2	142138	141312	140021	141157	0.76	cps
Nickel	60-2	17247	17153	17394	17265	0.70	cps
Phosphorus	31-2	2394	2350	2227	2324	3.72	cps
Potassium	39-2	573563	578056	575292	575637	0.39	cps
Rhodium	103-1	8323172	7956587	8055348	8111703	2.34	cps
Rhodium	103-2	4626511	4565823	4539242	4577192	0.98	cps
Scandium	45-1	5731516	5801081	5788917	5773838	0.64	cps
Scandium	45-2	403674	397848	402839	401454	0.78	cps
Selenium	82-1	655	577	622	618	6.34	cps
Selenium	77-2	407	407	413	409	0.94	cps
Selenium	78-2	457	510	473	480	5.68	cps
Silicon	28-1	25382234	25279218	25288164	25316539	0.23	cps
Silver	107-1	3450	3791	3324	3522	6.85	cps
Silver	109-1	3077	3290	3287	3218	3.80	cps
Sodium	23-2	312194	314086	311783	312688	0.39	cps
Strontium	86-1	32680	31731	31611	32007	1.83	cps
Strontium	88-1	279630	277965	273391	276995	1.17	cps
Sulfur	34-1	187078	178867	177835	181260	2.79	cps
Terbium	159-1	10808661	10250590	10327819	10462357	2.89	cps
Terbium	159-2	6991428	6872758	6844216	6902801	1.13	cps
Thallium	203-1	2384	2307	2294	2328	2.09	cps
Thallium	205-1	5364	5868	5481	5571	4.73	cps
Tin	118-1	60557	57902	58752	59070	2.29	cps
Titanium	47-1	351586	345471	364500	353852	2.75	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08DUP	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:32:42	DataFile Name :	077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57038	57212	56663	56971	0.49	cps
Vanadium	51-2	136843	136003	135996	136281	0.36	cps
Yttrium	89-1	14422999	13980106	14033691	14145598	1.71	cps
Yttrium	89-2	3269268	3262372	3218944	3250195	0.84	cps
Zinc	66-2	28674	28678	28721	28691	0.09	cps
Zirconium	90-1	98897	97075	99078	98350	1.13	cps
Zirconium	91-1	22774	21212	22204	22063	3.58	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:35:57	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	383673	384761	385418	384617	0.23	cps
Antimony	121-1	233	233	243	237	2.44	cps
Arsenic	75-2	297	330	240	289	15.75	cps
Barium	135-1	21543	22134	22474	22051	2.14	cps
Barium	137-1	37172	37269	37860	37434	1.00	cps
Beryllium	9-1	257	227	280	254	10.51	cps
Bismuth	209-1	5709814	5684590	5581175	5658526	1.20	cps
Bismuth	209-2	4727342	4853587	4855377	4812102	1.53	cps
Bromine	81-1	8853	8706	8676	8745	1.08	cps
Bromine	81-2	323	317	267	302	10.25	cps
Cadmium	108-1	50	17	30	32	52.06	cps
Cadmium	106-1	2534	2394	2480	2469	2.86	cps
Cadmium	111-1	1789	1704	1752	1748	2.43	cps
Calcium	43-1	5488	5211	5464	5388	2.85	cps
Calcium	44-1	96891	95375	95814	96027	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	24073	24296	24263	24211	0.50	cps
Cobalt	59-2	4227	4107	4417	4251	3.68	cps
Copper	63-2	16856	16546	16746	16716	0.94	cps
Dysprosium	156-1	27383	27554	27423	27454	0.32	cps
Dysprosium	156-2	21767	21837	21106	21570	1.87	cps
Erbium	164-1	25493	26368	25333	25732	2.17	cps
Erbium	164-2	17822	17424	17197	17481	1.81	cps
Gadolinium	160-1	27494	27587	27784	27622	0.54	cps
Gadolinium	160-2	20295	20145	19994	20145	0.75	cps
Holmium	165-1	9463350	9446879	9190787	9367005	1.63	cps
Holmium	165-2	6573056	6495851	6575610	6548172	0.69	cps
Indium	115-1	8197454	8063372	8267942	8176256	1.27	cps
Indium	115-2	2600633	2651720	2622210	2624854	0.98	cps
Iron	56-2	5739639	5766228	5792602	5766156	0.46	cps
Iron	57-2	149230	148109	150546	149295	0.82	cps
Iron	54-2	326940	327170	325312	326474	0.31	cps
Krypton	83-1	247	187	240	224	14.65	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:35:57	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19244	19361	19341	19315	0.32	cps
Lead	207-1	16307	16537	16483	16442	0.73	cps
Lead	208-1	74814	75752	75127	75231	0.64	cps
Lithium	6-1	1627778	1584826	1613464	1608689	1.36	cps
Magnesium	24-2	94606	95863	96118	95529	0.85	cps
Manganese	55-2	41781	42019	42089	41963	0.38	cps
Molybdenum	94-1	6782	6678	6598	6686	1.38	cps
Molybdenum	95-1	357	310	397	354	12.24	cps
Molybdenum	96-1	1603	1477	1637	1572	5.37	cps
Molybdenum	97-1	197	163	220	193	14.73	cps
Molybdenum	98-1	537	527	537	533	1.08	cps
Neodymium	150-1	44627	44791	44363	44594	0.48	cps
Neodymium	150-2	25430	25266	25009	25235	0.84	cps
Nickel	60-2	3194	3100	3114	3136	1.61	cps
Phosphorus	31-2	347	397	430	391	10.72	cps
Potassium	39-2	133267	135231	133970	134156	0.74	cps
Rhodium	103-1	7753662	7719502	7797963	7757042	0.51	cps
Rhodium	103-2	4415831	4422042	4413217	4417030	0.10	cps
Scandium	45-1	5289094	5231398	5235826	5252106	0.61	cps
Scandium	45-2	364540	366240	363753	364844	0.35	cps
Selenium	82-1	355	436	359	383	11.91	cps
Selenium	77-2	47	80	60	62	26.96	cps
Selenium	78-2	337	237	243	272	20.54	cps
Silicon	28-1	4747565	4682132	4585915	4671870	1.74	cps
Silver	107-1	540	497	640	559	13.15	cps
Silver	109-1	477	523	557	519	7.74	cps
Sodium	23-2	66098	65786	64779	65554	1.05	cps
Strontium	86-1	5771	5761	6171	5901	3.97	cps
Strontium	88-1	48008	48614	47272	47965	1.40	cps
Sulfur	34-1	166752	165243	164306	165434	0.75	cps
Terbium	159-1	9747817	9641182	9895160	9761386	1.31	cps
Terbium	159-2	6562411	6610180	6472864	6548485	1.06	cps
Thallium	203-1	353	327	413	364	12.18	cps
Thallium	205-1	863	900	820	861	4.65	cps
Tin	118-1	11418	11411	11678	11502	1.32	cps
Titanium	47-1	61243	62244	62194	61894	0.91	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:35:57	DataFile Name :	078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	10031	9860	9980	9957	0.88	cps
Vanadium	51-2	24143	24877	24043	24354	1.87	cps
Yttrium	89-1	11451470	11358141	11163463	11324358	1.30	cps
Yttrium	89-2	2648961	2617188	2627556	2631235	0.62	cps
Zinc	66-2	5965	6098	5968	6010	1.27	cps
Zirconium	90-1	17724	17691	18642	18019	3.00	cps
Zirconium	91-1	3957	3967	3827	3917	1.99	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LDLX25	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	25
Date & Time Acquired ::	2024-08-25 20:39:12	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	76959	77696	79544	78066	1.71	cps
Antimony	121-1	820	803	680	768	9.96	cps
Arsenic	75-2	83	67	63	71	15.07	cps
Barium	135-1	4274	4544	4231	4350	3.90	cps
Barium	137-1	7842	7949	7652	7814	1.92	cps
Beryllium	9-1	80	73	70	74	6.84	cps
Bismuth	209-1	5560113	5649625	5668440	5626059	1.03	cps
Bismuth	209-2	4813087	4705947	4861288	4793441	1.66	cps
Bromine	81-1	7805	7949	7582	7779	2.38	cps
Bromine	81-2	140	117	130	129	9.08	cps
Cadmium	108-1	23	30	10	21	48.24	cps
Cadmium	106-1	2524	2364	2367	2418	3.78	cps
Cadmium	111-1	1764	1653	1673	1697	3.46	cps
Calcium	43-1	1357	1267	1420	1348	5.72	cps
Calcium	44-1	27295	27515	27282	27364	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5584	5421	5434	5480	1.66	cps
Cobalt	59-2	843	860	903	869	3.56	cps
Copper	63-2	4071	3814	4331	4072	6.35	cps
Dysprosium	156-1	5368	5238	5504	5370	2.48	cps
Dysprosium	156-2	4267	4434	4564	4422	3.36	cps
Erbium	164-1	4968	5258	5491	5239	5.01	cps
Erbium	164-2	3554	3631	3654	3613	1.45	cps
Gadolinium	160-1	5621	5524	5738	5628	1.90	cps
Gadolinium	160-2	4444	4101	4344	4296	4.11	cps
Holmium	165-1	9353947	9303602	9471127	9376225	0.92	cps
Holmium	165-2	6644046	6414223	6641626	6566632	2.01	cps
Indium	115-1	8233105	8087191	8136145	8152147	0.91	cps
Indium	115-2	2611129	2589807	2627158	2609365	0.72	cps
Iron	56-2	1218361	1216366	1201845	1212191	0.74	cps
Iron	57-2	32037	31720	31172	31643	1.38	cps
Iron	54-2	67728	66975	67199	67301	0.57	cps
Krypton	83-1	173	193	157	174	10.52	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LDLX25	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	25
Date & Time Acquired ::	2024-08-25 20:39:12	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4154	4011	4034	4066	1.89	cps
Lead	207-1	3267	3470	3554	3430	4.30	cps
Lead	208-1	15784	15987	15964	15912	0.70	cps
Lithium	6-1	1582618	1602482	1600200	1595100	0.68	cps
Magnesium	24-2	19769	19509	19346	19541	1.09	cps
Manganese	55-2	8889	8743	8472	8701	2.43	cps
Molybdenum	94-1	1433	1530	1547	1503	4.07	cps
Molybdenum	95-1	183	150	147	160	12.67	cps
Molybdenum	96-1	377	413	413	401	5.28	cps
Molybdenum	97-1	93	73	113	93	21.43	cps
Molybdenum	98-1	223	167	227	206	16.40	cps
Neodymium	150-1	8913	9300	9020	9077	2.20	cps
Neodymium	150-2	5064	5188	5324	5192	2.51	cps
Nickel	60-2	720	803	797	773	5.99	cps
Phosphorus	31-2	213	240	193	216	10.86	cps
Potassium	39-2	63508	63144	62421	63024	0.88	cps
Rhodium	103-1	7828807	7565649	7796471	7730309	1.86	cps
Rhodium	103-2	4444745	4366740	4408918	4406801	0.89	cps
Scandium	45-1	5083593	5244655	5193238	5173829	1.59	cps
Scandium	45-2	362501	361166	361068	361578	0.22	cps
Selenium	82-1	351	325	415	364	12.69	cps
Selenium	77-2	20	10	7	12	56.76	cps
Selenium	78-2	253	277	227	252	9.92	cps
Silicon	28-1	1217759	1282990	1230415	1243721	2.78	cps
Silver	107-1	250	160	150	187	29.51	cps
Silver	109-1	123	110	127	120	7.35	cps
Sodium	23-2	23111	22784	23061	22985	0.77	cps
Strontium	86-1	1430	1420	1440	1430	0.70	cps
Strontium	88-1	10140	9970	9863	9991	1.40	cps
Sulfur	34-1	163669	163490	164727	163962	0.41	cps
Terbium	159-1	9784770	9602839	9630798	9672802	1.01	cps
Terbium	159-2	6672933	6515187	6482496	6556872	1.55	cps
Thallium	203-1	90	133	127	117	20.00	cps
Thallium	205-1	207	290	217	238	19.14	cps
Tin	118-1	3050	2920	2957	2976	2.25	cps
Titanium	47-1	12335	12208	12469	12337	1.05	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08LDLX25	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	25
Date & Time Acquired ::	2024-08-25 20:39:12	DataFile Name :	079SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1930	2000	2074	2001	3.58	cps
Vanadium	51-2	4807	4767	4871	4815	1.08	cps
Yttrium	89-1	10741273	11116089	11119464	10992275	1.98	cps
Yttrium	89-2	2529842	2546030	2533836	2536569	0.33	cps
Zinc	66-2	1717	1660	1530	1636	5.85	cps
Zirconium	90-1	3774	4057	4077	3969	4.28	cps
Zirconium	91-1	1010	860	907	926	8.29	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MS	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:42:31	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2994230	2918119	2999473	2970608	1.53	cps
Antimony	121-1	3530643	3588224	3494157	3537675	1.34	cps
Arsenic	75-2	174143	174928	174631	174567	0.23	cps
Barium	135-1	4271339	4209836	4179195	4220123	1.11	cps
Barium	137-1	7318668	7409964	7205759	7311464	1.40	cps
Beryllium	9-1	706329	722608	720223	716387	1.23	cps
Bismuth	209-1	5767921	5801283	5734081	5767761	0.58	cps
Bismuth	209-2	4736062	4733689	4690088	4719947	0.55	cps
Bromine	81-1	10087	11148	11381	10872	6.34	cps
Bromine	81-2	1060	1087	1043	1063	2.06	cps
Cadmium	108-1	64758	65664	64563	64995	0.90	cps
Cadmium	106-1	96515	95898	93599	95337	1.61	cps
Cadmium	111-1	883340	883660	877160	881387	0.42	cps
Calcium	43-1	1167884	1172240	1152479	1164201	0.89	cps
Calcium	44-1	16888485	16832048	16582286	16767606	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1302031	1288331	1294167	1294843	0.53	cps
Cobalt	59-2	1952498	1928084	1929953	1936845	0.70	cps
Copper	63-2	12905207	12884647	12943505	12911120	0.23	cps
Dysprosium	156-1	142913	142980	139812	141902	1.28	cps
Dysprosium	156-2	109846	109086	109234	109389	0.37	cps
Erbium	164-1	136106	135371	133858	135112	0.85	cps
Erbium	164-2	91752	91199	91101	91351	0.38	cps
Gadolinium	160-1	143584	144769	142533	143629	0.78	cps
Gadolinium	160-2	102065	99554	103307	101642	1.88	cps
Holmium	165-1	10090313	10063663	9873967	10009314	1.18	cps
Holmium	165-2	6784998	6638023	6786504	6736508	1.27	cps
Indium	115-1	8217949	8401898	8256735	8292194	1.17	cps
Indium	115-2	2517266	2561661	2549816	2542914	0.90	cps
Iron	56-2	79316144	79702934	79186317	79401798	0.34	cps
Iron	57-2	1997898	1968061	1986864	1984274	0.76	cps
Iron	54-2	4420122	4401060	4332571	4384584	1.05	cps
Krypton	83-1	417	407	343	389	10.23	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MS	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:42:31	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11399670	11777155	11197402	11458076	2.57	cps
Lead	207-1	10214734	10055498	10134119	10134783	0.79	cps
Lead	208-1	46260519	46009686	45196514	45822240	1.21	cps
Lithium	6-1	1657732	1787706	1805341	1750260	4.61	cps
Magnesium	24-2	11123239	10871203	11028504	11007649	1.16	cps
Manganese	55-2	8899569	8787686	8855398	8847551	0.64	cps
Molybdenum	94-1	15970601	16408052	15977147	16118600	1.56	cps
Molybdenum	95-1	23744175	23757796	24158663	23886878	0.99	cps
Molybdenum	96-1	26026937	25730882	26087382	25948400	0.74	cps
Molybdenum	97-1	15069679	14916391	15057714	15014594	0.57	cps
Molybdenum	98-1	38397022	39415144	38529398	38780521	1.43	cps
Neodymium	150-1	230886	231912	228424	230407	0.78	cps
Neodymium	150-2	129018	126364	126445	127276	1.19	cps
Nickel	60-2	485642	481270	485020	483978	0.49	cps
Phosphorus	31-2	1547	1633	1737	1639	5.80	cps
Potassium	39-2	6630037	6648501	6615568	6631368	0.25	cps
Rhodium	103-1	7741012	7940183	7733292	7804829	1.50	cps
Rhodium	103-2	4286700	4207659	4254855	4249738	0.94	cps
Scandium	45-1	5873253	5711013	5637482	5740583	2.10	cps
Scandium	45-2	386612	386885	380472	384656	0.94	cps
Selenium	82-1	58198	58349	57548	58032	0.73	cps
Selenium	77-2	5214	4878	4901	4998	3.76	cps
Selenium	78-2	16302	16052	16192	16182	0.78	cps
Silicon	28-1	24131028	24097044	24552504	24260192	1.05	cps
Silver	107-1	1330119	3081637	2304667	2238808	39.20	cps
Silver	109-1	1927780	2124936	4580416	2877711	51.36	cps
Sodium	23-2	16828433	16619641	16474733	16640936	1.07	cps
Strontium	86-1	25458579	25295776	25673819	25476058	0.74	cps
Strontium	88-1	220524277	224937177	219905270	221788908	1.24	cps
Sulfur	34-1	177882	180330	180904	179705	0.89	cps
Terbium	159-1	10442209	10158620	10023012	10207947	2.10	cps
Terbium	159-2	6757392	6699051	6691935	6716126	0.53	cps
Thallium	203-1	2890482	2913367	2817100	2873650	1.75	cps
Thallium	205-1	6702457	6823074	6769890	6765140	0.89	cps
Tin	118-1	2655844	2715408	2675437	2682230	1.13	cps
Titanium	47-1	6053023	5949058	5831110	5944397	1.87	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MS	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:42:31	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8794009	8776658	8701247	8757305	0.56	cps
Vanadium	51-2	1221972	1230981	1207794	1220249	0.96	cps
Yttrium	89-1	14049243	13994436	14002195	14015291	0.21	cps
Yttrium	89-2	3088805	3001834	3032531	3041057	1.45	cps
Zinc	66-2	2284898	2296648	2290850	2290799	0.26	cps
Zirconium	90-1	6233587	6362075	6201927	6265863	1.35	cps
Zirconium	91-1	1382738	1389439	1396062	1389413	0.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:45:18	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	579113	576168	581758	579013	0.48	cps
Antimony	121-1	634068	644221	646850	641713	1.05	cps
Arsenic	75-2	33421	34320	32703	33481	2.42	cps
Barium	135-1	748845	752109	743975	748310	0.55	cps
Barium	137-1	1292516	1310652	1293443	1298870	0.79	cps
Beryllium	9-1	130197	134968	133455	132873	1.83	cps
Bismuth	209-1	5738056	5691999	5662237	5697431	0.67	cps
Bismuth	209-2	4718517	4697039	4673251	4696269	0.48	cps
Bromine	81-1	8212	8022	8276	8170	1.61	cps
Bromine	81-2	260	213	257	243	10.70	cps
Cadmium	108-1	12292	12612	12822	12576	2.12	cps
Cadmium	106-1	19463	20041	19914	19806	1.53	cps
Cadmium	111-1	171374	170948	172269	171530	0.39	cps
Calcium	43-1	221953	219820	222440	221405	0.63	cps
Calcium	44-1	3215579	3241825	3193710	3217038	0.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	251451	252987	253349	252596	0.40	cps
Cobalt	59-2	369033	373930	373540	372168	0.73	cps
Copper	63-2	2529041	2595880	2558592	2561171	1.31	cps
Dysprosium	156-1	26131	26675	26829	26545	1.38	cps
Dysprosium	156-2	20495	21086	20488	20690	1.66	cps
Erbium	164-1	25193	25660	25807	25553	1.26	cps
Erbium	164-2	17528	16543	16720	16930	3.10	cps
Gadolinium	160-1	26786	27113	27140	27013	0.73	cps
Gadolinium	160-2	20265	19807	19156	19743	2.82	cps
Holmium	165-1	9316488	9764335	9374154	9484992	2.57	cps
Holmium	165-2	6630454	6616596	6597190	6614747	0.25	cps
Indium	115-1	8181186	8214596	7908236	8101339	2.07	cps
Indium	115-2	2531650	2545713	2542952	2540105	0.29	cps
Iron	56-2	15329844	15176121	15264537	15256834	0.51	cps
Iron	57-2	394705	398743	399890	397780	0.68	cps
Iron	54-2	876459	878502	883186	879382	0.39	cps
Krypton	83-1	223	290	253	256	13.07	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:45:18	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2201436	2200866	2172722	2191675	0.75	cps
Lead	207-1	1940606	1982948	1899291	1940948	2.16	cps
Lead	208-1	8746709	8898649	8639080	8761479	1.49	cps
Lithium	6-1	1661131	1713683	1653663	1676159	1.95	cps
Magnesium	24-2	2120729	2104736	2118946	2114803	0.41	cps
Manganese	55-2	1685901	1707350	1695218	1696156	0.63	cps
Molybdenum	94-1	3085938	3034468	2978493	3032967	1.77	cps
Molybdenum	95-1	4550552	4479666	4445230	4491816	1.20	cps
Molybdenum	96-1	4872542	4892745	4984882	4916723	1.22	cps
Molybdenum	97-1	2739655	2831595	2758611	2776620	1.75	cps
Molybdenum	98-1	7144106	7212389	7019356	7125284	1.37	cps
Neodymium	150-1	42835	43681	43938	43485	1.33	cps
Neodymium	150-2	24455	24318	24451	24408	0.32	cps
Nickel	60-2	95146	95025	94475	94882	0.38	cps
Phosphorus	31-2	390	450	430	423	7.22	cps
Potassium	39-2	1302507	1327124	1301821	1310484	1.10	cps
Rhodium	103-1	7610424	7681604	7504031	7598687	1.18	cps
Rhodium	103-2	4316631	4379004	4182096	4292577	2.34	cps
Scandium	45-1	5230613	5241881	5221406	5231300	0.20	cps
Scandium	45-2	357363	356813	359080	357752	0.33	cps
Selenium	82-1	11318	11266	11303	11296	0.24	cps
Selenium	77-2	840	1000	923	921	8.69	cps
Selenium	78-2	3140	3327	3274	3247	2.96	cps
Silicon	28-1	4855061	4928414	5014005	4932493	1.61	cps
Silver	107-1	727084	745832	738315	737077	1.28	cps
Silver	109-1	690711	697865	699654	696077	0.68	cps
Sodium	23-2	3138471	3148141	3175858	3154156	0.62	cps
Strontium	86-1	4806675	4949363	4904674	4886904	1.49	cps
Strontium	88-1	42239434	42451234	43361733	42684134	1.40	cps
Sulfur	34-1	177212	177410	175390	176671	0.63	cps
Terbium	159-1	9910857	9903196	9859765	9891273	0.28	cps
Terbium	159-2	6648072	6552516	6399333	6533307	1.92	cps
Thallium	203-1	480969	488838	484943	484917	0.81	cps
Thallium	205-1	1138500	1160530	1141113	1146714	1.05	cps
Tin	118-1	487710	493795	492794	491433	0.66	cps
Titanium	47-1	1122532	1146693	1142976	1137400	1.14	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:45:18	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1459302	1466138	1451534	1458991	0.50	cps
Vanadium	51-2	231895	231979	231281	231718	0.16	cps
Yttrium	89-1	11326402	11210592	11282810	11273268	0.52	cps
Yttrium	89-2	2590225	2599941	2485175	2558447	2.49	cps
Zinc	66-2	442619	439337	439884	440613	0.40	cps
Zirconium	90-1	1142272	1173829	1160044	1158715	1.37	cps
Zirconium	91-1	260605	260891	261606	261034	0.20	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSD	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:48:20	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3024871	2981225	2955297	2987131	1.18	cps
Antimony	121-1	3743953	3761841	3726119	3743971	0.48	cps
Arsenic	75-2	181127	178817	178341	179428	0.83	cps
Barium	135-1	4285508	4340359	4283370	4303079	0.75	cps
Barium	137-1	7376209	7500486	7386656	7421117	0.93	cps
Beryllium	9-1	734034	724668	738308	732337	0.95	cps
Bismuth	209-1	5813645	5671624	5729877	5738382	1.24	cps
Bismuth	209-2	4777790	4786198	4793399	4785796	0.16	cps
Bromine	81-1	11108	11605	11541	11418	2.37	cps
Bromine	81-2	953	1010	1070	1011	5.77	cps
Cadmium	108-1	67412	67707	67546	67555	0.22	cps
Cadmium	106-1	97702	98837	98867	98469	0.67	cps
Cadmium	111-1	912534	919208	915886	915876	0.36	cps
Calcium	43-1	1166446	1169711	1163335	1166497	0.27	cps
Calcium	44-1	16912056	17131399	16687161	16910206	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1334184	1332390	1328732	1331769	0.21	cps
Cobalt	59-2	2025251	1957510	2009526	1997429	1.77	cps
Copper	63-2	13264909	12997467	12736752	12999709	2.03	cps
Dysprosium	156-1	145445	144138	143717	144433	0.62	cps
Dysprosium	156-2	110756	111102	109123	110327	0.96	cps
Erbium	164-1	136221	135994	137176	136464	0.46	cps
Erbium	164-2	91614	92393	91296	91768	0.61	cps
Gadolinium	160-1	145113	147080	144800	145664	0.85	cps
Gadolinium	160-2	103540	101770	101995	102435	0.94	cps
Holmium	165-1	10130383	10068085	9822459	10006976	1.63	cps
Holmium	165-2	6803642	6850461	6828119	6827407	0.34	cps
Indium	115-1	8489234	8369435	8261391	8373353	1.36	cps
Indium	115-2	2679406	2516270	2540028	2578568	3.42	cps
Iron	56-2	81879952	79571737	80660950	80704213	1.43	cps
Iron	57-2	2064677	1963887	1978104	2002222	2.72	cps
Iron	54-2	4585259	4440736	4298038	4441344	3.23	cps
Krypton	83-1	427	363	367	386	9.24	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSD	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:48:20	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11709768	11702916	11468291	11626991	1.18	cps
Lead	207-1	10285064	10269806	10213957	10256276	0.36	cps
Lead	208-1	46564515	46406856	46133407	46368259	0.47	cps
Lithium	6-1	1756303	1732914	1782531	1757250	1.41	cps
Magnesium	24-2	11243167	10946652	10821116	11003645	1.97	cps
Manganese	55-2	9203429	8931204	8860242	8998291	2.01	cps
Molybdenum	94-1	15885553	16199578	16186454	16090528	1.10	cps
Molybdenum	95-1	24457141	24304665	24674947	24478918	0.76	cps
Molybdenum	96-1	26353880	26955709	25971332	26426973	1.88	cps
Molybdenum	97-1	15150229	15256529	15092344	15166367	0.55	cps
Molybdenum	98-1	39467256	38784666	38144482	38798801	1.70	cps
Neodymium	150-1	234137	232001	231175	232438	0.66	cps
Neodymium	150-2	131296	128399	128927	129540	1.19	cps
Nickel	60-2	505606	497576	495808	499663	1.05	cps
Phosphorus	31-2	2197	2344	2274	2271	3.23	cps
Potassium	39-2	6764481	6756868	6605553	6708967	1.34	cps
Rhodium	103-1	7779716	7671779	7695097	7715531	0.74	cps
Rhodium	103-2	4416726	4258522	4318649	4331299	1.84	cps
Scandium	45-1	5730016	5777832	5622599	5710149	1.39	cps
Scandium	45-2	389034	382450	377513	382999	1.51	cps
Selenium	82-1	60607	60855	59794	60419	0.92	cps
Selenium	77-2	5278	5301	5198	5259	1.03	cps
Selenium	78-2	16543	16513	16633	16563	0.38	cps
Silicon	28-1	25048336	24757683	25031775	24945931	0.65	cps
Silver	107-1	2060460	6979901	4354203	4464855	55.13	cps
Silver	109-1	2477758	4100952	5592935	4057215	38.40	cps
Sodium	23-2	16859458	16679324	16375649	16638144	1.47	cps
Strontium	86-1	25735668	26136725	25715840	25862744	0.92	cps
Strontium	88-1	225664997	227025977	227362443	226684472	0.40	cps
Sulfur	34-1	179201	183986	183643	182277	1.46	cps
Terbium	159-1	10389934	10308592	10305287	10334604	0.46	cps
Terbium	159-2	6896172	6825102	6748942	6823405	1.08	cps
Thallium	203-1	3031329	2880550	2928109	2946663	2.62	cps
Thallium	205-1	7065565	6973845	7008085	7015832	0.66	cps
Tin	118-1	2729249	2710460	2746669	2728793	0.66	cps
Titanium	47-1	6027761	6122163	5880088	6010004	2.03	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSD	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:48:20	DataFile Name :	082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8808400	8815041	9025195	8882879	1.39	cps
Vanadium	51-2	1273134	1247636	1245531	1255434	1.22	cps
Yttrium	89-1	13635775	14016623	13797018	13816472	1.38	cps
Yttrium	89-2	3080132	3074084	3126854	3093690	0.93	cps
Zinc	66-2	2349894	2333010	2271547	2318151	1.78	cps
Zirconium	90-1	6309619	6348270	6370287	6342725	0.48	cps
Zirconium	91-1	1423946	1430988	1439839	1431591	0.56	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:51:04	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	591159	586512	588790	588820	0.39	cps
Antimony	121-1	669389	675235	681243	675289	0.88	cps
Arsenic	75-2	34864	35369	34938	35057	0.78	cps
Barium	135-1	749284	767529	760727	759180	1.21	cps
Barium	137-1	1302034	1317686	1312997	1310906	0.61	cps
Beryllium	9-1	137048	136283	140936	138089	1.81	cps
Bismuth	209-1	5690688	5688877	5801407	5726991	1.13	cps
Bismuth	209-2	4850694	4785470	4804117	4813427	0.70	cps
Bromine	81-1	8442	8349	8806	8533	2.83	cps
Bromine	81-2	217	273	263	251	12.05	cps
Cadmium	108-1	12946	13006	12576	12842	1.82	cps
Cadmium	106-1	21052	20959	20872	20961	0.43	cps
Cadmium	111-1	176900	178356	179325	178194	0.68	cps
Calcium	43-1	220213	222138	222594	221648	0.57	cps
Calcium	44-1	3238800	3236990	3240920	3238903	0.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	263196	262414	261227	262279	0.38	cps
Cobalt	59-2	386612	390100	384068	386927	0.78	cps
Copper	63-2	2620395	2572985	2571817	2588399	1.07	cps
Dysprosium	156-1	26846	27407	26746	26999	1.32	cps
Dysprosium	156-2	21046	20849	21330	21075	1.15	cps
Erbium	164-1	25871	25497	25537	25635	0.80	cps
Erbium	164-2	17291	17675	17261	17409	1.33	cps
Gadolinium	160-1	27240	27574	27437	27417	0.61	cps
Gadolinium	160-2	20028	20268	20205	20167	0.62	cps
Holmium	165-1	9700532	9569435	9321654	9530540	2.02	cps
Holmium	165-2	6623420	6630741	6847105	6700422	1.90	cps
Indium	115-1	8157434	8185200	8160628	8167754	0.19	cps
Indium	115-2	2572593	2597920	2654788	2608434	1.61	cps
Iron	56-2	15621206	15415684	15376261	15471050	0.85	cps
Iron	57-2	405294	404106	402301	403901	0.37	cps
Iron	54-2	896007	896479	892179	894888	0.26	cps
Krypton	83-1	197	247	227	223	11.27	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:51:04	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2206944	2203408	2208174	2206175	0.11	cps
Lead	207-1	1960918	1967568	1966810	1965099	0.19	cps
Lead	208-1	8788780	8825421	8865943	8826715	0.44	cps
Lithium	6-1	1655581	1655302	1700590	1670491	1.56	cps
Magnesium	24-2	2162201	2137528	2109785	2136505	1.23	cps
Manganese	55-2	1706458	1731677	1726317	1721484	0.77	cps
Molybdenum	94-1	3023172	3043904	3113656	3060244	1.55	cps
Molybdenum	95-1	4651629	4555109	4505595	4570778	1.62	cps
Molybdenum	96-1	5067008	5028768	4852602	4982793	2.30	cps
Molybdenum	97-1	2784181	2801610	2908026	2831272	2.37	cps
Molybdenum	98-1	7290435	7130811	7385456	7268901	1.77	cps
Neodymium	150-1	43908	44129	43082	43706	1.26	cps
Neodymium	150-2	24047	24959	24268	24425	1.95	cps
Nickel	60-2	99310	99488	98142	98980	0.74	cps
Phosphorus	31-2	523	600	503	542	9.41	cps
Potassium	39-2	1312473	1340857	1340123	1331151	1.22	cps
Rhodium	103-1	7550596	7696114	7672253	7639654	1.02	cps
Rhodium	103-2	4280892	4389233	4312386	4327503	1.29	cps
Scandium	45-1	5294769	5195326	5312427	5267507	1.20	cps
Scandium	45-2	361393	359419	361758	360857	0.35	cps
Selenium	82-1	11570	11622	11537	11576	0.37	cps
Selenium	77-2	1017	963	993	991	2.70	cps
Selenium	78-2	3360	3414	3407	3394	0.86	cps
Silicon	28-1	4970103	4872699	5253488	5032097	3.93	cps
Silver	107-1	739052	746088	752293	745811	0.89	cps
Silver	109-1	686122	712304	707619	702015	1.99	cps
Sodium	23-2	3202329	3196407	3193477	3197404	0.14	cps
Strontium	86-1	4864582	4774551	4855104	4831412	1.02	cps
Strontium	88-1	42592380	42488593	41830643	42303872	0.98	cps
Sulfur	34-1	178432	177443	177987	177954	0.28	cps
Terbium	159-1	9915270	9977947	9806889	9900035	0.87	cps
Terbium	159-2	6683429	6595872	6680613	6653304	0.75	cps
Thallium	203-1	495863	501737	499853	499151	0.60	cps
Thallium	205-1	1181954	1197995	1197269	1192406	0.76	cps
Tin	118-1	493726	496267	501721	497238	0.82	cps
Titanium	47-1	1145600	1160427	1166036	1157354	0.91	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:51:04	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1512002	1517857	1524031	1517963	0.40	cps
Vanadium	51-2	240662	238742	240335	239913	0.43	cps
Yttrium	89-1	11387957	11246163	11174336	11269485	0.96	cps
Yttrium	89-2	2540487	2600397	2650868	2597251	2.13	cps
Zinc	66-2	447186	444293	445322	445600	0.33	cps
Zirconium	90-1	1198217	1196578	1202544	1199113	0.26	cps
Zirconium	91-1	267981	270269	269719	269323	0.44	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08A	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:54:06	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3133379	3118481	3095834	3115898	0.61	cps
Antimony	121-1	3705954	3694369	3736630	3712318	0.59	cps
Arsenic	75-2	182790	183044	179572	181802	1.06	cps
Barium	135-1	4346273	4313071	4300985	4320110	0.54	cps
Barium	137-1	7431558	7462125	7425220	7439634	0.27	cps
Beryllium	9-1	726841	745214	742819	738291	1.35	cps
Bismuth	209-1	5992337	5974438	5841782	5936186	1.39	cps
Bismuth	209-2	4995546	4827593	4832859	4885333	1.95	cps
Bromine	81-1	11071	11438	12279	11596	5.34	cps
Bromine	81-2	1060	1137	1067	1088	3.90	cps
Cadmium	108-1	67416	67426	67533	67458	0.10	cps
Cadmium	106-1	97317	99172	97897	98129	0.97	cps
Cadmium	111-1	926395	917695	935502	926531	0.96	cps
Calcium	43-1	1197323	1208303	1194273	1199966	0.61	cps
Calcium	44-1	17554186	17516296	17465668	17512050	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1350018	1316462	1327468	1331316	1.28	cps
Cobalt	59-2	2048941	2014462	2014460	2025954	0.98	cps
Copper	63-2	13359695	13000813	12743321	13034610	2.38	cps
Dysprosium	156-1	143074	145967	145401	144814	1.06	cps
Dysprosium	156-2	110914	109735	110850	110499	0.60	cps
Erbium	164-1	137462	137103	138351	137638	0.47	cps
Erbium	164-2	91850	92957	91819	92208	0.70	cps
Gadolinium	160-1	146322	148886	145581	146930	1.18	cps
Gadolinium	160-2	104947	102791	102824	103520	1.19	cps
Holmium	165-1	10297737	10061699	10095307	10151581	1.26	cps
Holmium	165-2	6984435	6974160	6849126	6935907	1.09	cps
Indium	115-1	8700451	8235230	8407175	8447619	2.78	cps
Indium	115-2	2605976	2611698	2571380	2596351	0.84	cps
Iron	56-2	80032264	80308445	79974870	80105193	0.22	cps
Iron	57-2	1980233	2012027	2027446	2006568	1.20	cps
Iron	54-2	4420076	4350553	4416592	4395740	0.89	cps
Krypton	83-1	393	403	380	392	2.98	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08A	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:54:06	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	11792007	11702059	11592058	11695375	0.86	cps
Lead	207-1	10393048	10346181	10156345	10298525	1.22	cps
Lead	208-1	46751104	46953757	45856836	46520566	1.25	cps
Lithium	6-1	1799384	1820641	1819066	1813030	0.65	cps
Magnesium	24-2	10965001	11120363	11104513	11063292	0.77	cps
Manganese	55-2	8799835	8812898	8809725	8807486	0.08	cps
Molybdenum	94-1	16418059	16338120	16235050	16330410	0.56	cps
Molybdenum	95-1	24322399	24478660	23882442	24227834	1.28	cps
Molybdenum	96-1	26519313	26841712	26296111	26552379	1.03	cps
Molybdenum	97-1	15122247	14959751	15275501	15119167	1.04	cps
Molybdenum	98-1	39204673	38548397	39101249	38951439	0.91	cps
Neodymium	150-1	234146	233658	235780	234528	0.47	cps
Neodymium	150-2	129505	130077	128846	129476	0.48	cps
Nickel	60-2	502766	499727	500037	500843	0.33	cps
Phosphorus	31-2	1893	2020	1757	1890	6.97	cps
Potassium	39-2	6821006	6774887	6726527	6774140	0.70	cps
Rhodium	103-1	8034083	7769224	7794331	7865879	1.86	cps
Rhodium	103-2	4375933	4384215	4305122	4355090	1.00	cps
Scandium	45-1	5823181	5743091	5811017	5792430	0.75	cps
Scandium	45-2	390857	386936	384389	387394	0.84	cps
Selenium	82-1	59865	60619	60564	60350	0.70	cps
Selenium	77-2	5024	5218	5304	5182	2.77	cps
Selenium	78-2	16189	17033	16202	16475	2.94	cps
Silicon	28-1	32630401	31118660	31950365	31899809	2.37	cps
Silver	107-1	2544904	3610710	2975870	3043828	17.61	cps
Silver	109-1	1695095	2748543	1297872	1913837	39.17	cps
Sodium	23-2	16784623	16680399	16399214	16621412	1.20	cps
Strontium	86-1	25431739	25814545	26031680	25759321	1.18	cps
Strontium	88-1	226582297	226925617	227096450	226868121	0.12	cps
Sulfur	34-1	185660	184877	184408	184982	0.34	cps
Terbium	159-1	10593232	10462582	10477453	10511089	0.68	cps
Terbium	159-2	6758668	6804409	6823825	6795634	0.49	cps
Thallium	203-1	3026311	3045489	3075391	3049063	0.81	cps
Thallium	205-1	7018416	7178554	7129541	7108837	1.15	cps
Tin	118-1	2805959	2704963	2747966	2752963	1.84	cps
Titanium	47-1	6101492	6042680	6055757	6066643	0.51	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08A	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:54:06	DataFile Name :	084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9216497	9073509	9220588	9170198	0.91	cps
Vanadium	51-2	1240367	1266451	1261811	1256210	1.11	cps
Yttrium	89-1	13968010	13961652	13841849	13923837	0.51	cps
Yttrium	89-2	3095065	3147460	3032905	3091810	1.85	cps
Zinc	66-2	2321817	2295547	2246339	2287901	1.67	cps
Zirconium	90-1	6435600	6494050	6459224	6462958	0.45	cps
Zirconium	91-1	1450639	1451314	1442718	1448223	0.33	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08ADLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:56:51	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	593490	597055	593363	594636	0.35	cps
Antimony	121-1	641768	652357	648704	647609	0.83	cps
Arsenic	75-2	33925	34273	33595	33931	1.00	cps
Barium	135-1	728705	735978	742428	735704	0.93	cps
Barium	137-1	1273912	1274449	1285191	1277850	0.50	cps
Beryllium	9-1	137991	136776	137664	137477	0.46	cps
Bismuth	209-1	5776724	5695891	5710667	5727761	0.75	cps
Bismuth	209-2	4811755	4752274	4859852	4807960	1.12	cps
Bromine	81-1	8833	8853	8116	8600	4.88	cps
Bromine	81-2	283	317	287	296	6.21	cps
Cadmium	108-1	12772	12799	12329	12633	2.09	cps
Cadmium	106-1	20087	19994	20091	20057	0.27	cps
Cadmium	111-1	174098	175177	174718	174664	0.31	cps
Calcium	43-1	223934	220153	222161	222083	0.85	cps
Calcium	44-1	3134991	3186929	3202098	3174673	1.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	257675	256240	257194	257036	0.28	cps
Cobalt	59-2	376399	380531	378496	378475	0.55	cps
Copper	63-2	2508120	2496859	2535593	2513524	0.79	cps
Dysprosium	156-1	26565	26569	26221	26452	0.75	cps
Dysprosium	156-2	20552	20118	21056	20575	2.28	cps
Erbium	164-1	24902	24278	24168	24449	1.62	cps
Erbium	164-2	17214	16954	16957	17042	0.88	cps
Gadolinium	160-1	25841	26672	26288	26267	1.58	cps
Gadolinium	160-2	19240	19360	19103	19234	0.67	cps
Holmium	165-1	9589661	9446174	9419905	9485247	0.96	cps
Holmium	165-2	6491962	6601974	6727409	6607115	1.78	cps
Indium	115-1	8160622	8074784	8191109	8142172	0.74	cps
Indium	115-2	2583429	2528861	2539512	2550601	1.13	cps
Iron	56-2	15280668	15074180	15030279	15128376	0.88	cps
Iron	57-2	396517	394900	396342	395920	0.22	cps
Iron	54-2	868598	871206	867215	869006	0.23	cps
Krypton	83-1	190	240	210	213	11.80	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08ADLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:56:51	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2170339	2103892	2101132	2125121	1.84	cps
Lead	207-1	1919700	1902122	1868773	1896865	1.36	cps
Lead	208-1	8745738	8545340	8588693	8626590	1.22	cps
Lithium	6-1	1721568	1647620	1711369	1693519	2.37	cps
Magnesium	24-2	2040412	2105608	2111580	2085867	1.89	cps
Manganese	55-2	1666764	1683413	1668011	1672729	0.55	cps
Molybdenum	94-1	3010178	2937716	2994295	2980730	1.28	cps
Molybdenum	95-1	4454032	4469520	4488188	4470580	0.38	cps
Molybdenum	96-1	4766078	4774595	4813558	4784744	0.53	cps
Molybdenum	97-1	2748780	2746614	2741756	2745717	0.13	cps
Molybdenum	98-1	7102956	7090285	7185191	7126144	0.72	cps
Neodymium	150-1	42330	42216	43264	42603	1.35	cps
Neodymium	150-2	24815	24378	23910	24368	1.86	cps
Nickel	60-2	96880	96796	95103	96260	1.04	cps
Phosphorus	31-2	480	440	450	457	4.56	cps
Potassium	39-2	1300865	1296299	1286933	1294699	0.55	cps
Rhodium	103-1	7651322	7680394	7622285	7651333	0.38	cps
Rhodium	103-2	4343721	4332124	4260926	4312257	1.04	cps
Scandium	45-1	5256581	5154994	5278121	5229899	1.26	cps
Scandium	45-2	352481	355704	355119	354435	0.48	cps
Selenium	82-1	11609	11299	11361	11423	1.43	cps
Selenium	77-2	990	863	930	928	6.83	cps
Selenium	78-2	3350	3304	3377	3344	1.11	cps
Silicon	28-1	5879332	5650675	5884145	5804717	2.30	cps
Silver	107-1	743054	742180	737049	740761	0.44	cps
Silver	109-1	692631	696560	700499	696563	0.56	cps
Sodium	23-2	3116554	3123648	3101999	3114067	0.35	cps
Strontium	86-1	4762775	4745798	4780858	4763144	0.37	cps
Strontium	88-1	41425005	41796050	42355381	41858812	1.12	cps
Sulfur	34-1	176395	173947	173957	174766	0.81	cps
Terbium	159-1	10003297	9607703	9842772	9817924	2.03	cps
Terbium	159-2	6540949	6507319	6550507	6532925	0.35	cps
Thallium	203-1	488737	494521	491401	491553	0.59	cps
Thallium	205-1	1176904	1163910	1164817	1168544	0.62	cps
Tin	118-1	480436	486375	488776	485195	0.88	cps
Titanium	47-1	1112215	1120339	1117760	1116771	0.37	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3580-08ADLX5	Instrumnet Name :	P7
Client Sample ID :	922-K1-SD-0.5-1-081224	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 20:56:51	DataFile Name :	085SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1483167	1492551	1490404	1488707	0.33	cps
Vanadium	51-2	238185	233825	236766	236259	0.94	cps
Yttrium	89-1	11549967	11494099	11393696	11479254	0.69	cps
Yttrium	89-2	2588562	2597316	2530396	2572091	1.41	cps
Zinc	66-2	429149	432611	427503	429754	0.61	cps
Zirconium	90-1	1163644	1179141	1167412	1170066	0.69	cps
Zirconium	91-1	260739	265376	266036	264050	1.09	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSR	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:59:53	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1088545	1088079	1098064	1091563	0.52	cps
Antimony	121-1	3504157	3541227	3576875	3540753	1.03	cps
Arsenic	75-2	173225	173680	172116	173007	0.46	cps
Barium	135-1	3948533	3944498	4012025	3968352	0.95	cps
Barium	137-1	6784490	6890508	6881111	6852036	0.86	cps
Beryllium	9-1	699475	718064	717329	711623	1.48	cps
Bismuth	209-1	5361025	5483317	5530477	5458273	1.60	cps
Bismuth	209-2	4474247	4633729	4581491	4563156	1.78	cps
Bromine	81-1	24380	29787	33007	29058	15.00	cps
Bromine	81-2	4711	4534	4961	4735	4.53	cps
Cadmium	108-1	63622	64603	64680	64302	0.92	cps
Cadmium	106-1	92016	94626	95089	93910	1.76	cps
Cadmium	111-1	867183	875269	879335	873929	0.71	cps
Calcium	43-1	1323690	1367035	1371800	1354175	1.96	cps
Calcium	44-1	20466876	21048408	20957189	20824158	1.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1199419	1194870	1199000	1197763	0.21	cps
Cobalt	59-2	1976384	1919444	1905895	1933908	1.93	cps
Copper	63-2	12248201	12255519	12232676	12245465	0.10	cps
Dysprosium	156-1	340	300	353	331	8.38	cps
Dysprosium	156-2	370	353	397	373	5.86	cps
Erbium	164-1	310	300	310	307	1.88	cps
Erbium	164-2	203	213	247	221	10.26	cps
Gadolinium	160-1	283	307	297	296	3.96	cps
Gadolinium	160-2	457	487	433	459	5.83	cps
Holmium	165-1	9312142	9563106	9546369	9473872	1.48	cps
Holmium	165-2	6532337	6776954	6542784	6617358	2.09	cps
Indium	115-1	7876743	8031236	7784880	7897620	1.58	cps
Indium	115-2	2519624	2503784	2506410	2509939	0.34	cps
Iron	56-2	55242913	55388953	54317598	54983154	1.06	cps
Iron	57-2	1392590	1367549	1369945	1376695	1.00	cps
Iron	54-2	2972955	2992215	3003670	2989613	0.52	cps
Krypton	83-1	167	223	150	180	21.36	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSRI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:59:53	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10559953	10857329	10574283	10663855	1.57	cps
Lead	207-1	9479335	9621613	9632778	9577909	0.89	cps
Lead	208-1	42262447	43306420	43380921	42983263	1.45	cps
Lithium	6-1	1679130	1663713	1684519	1675787	0.64	cps
Magnesium	24-2	10583538	10651362	10642825	10625908	0.35	cps
Manganese	55-2	8743499	8807264	8940289	8830351	1.14	cps
Molybdenum	94-1	15111796	15101169	15394169	15202378	1.09	cps
Molybdenum	95-1	22660716	22949490	22847857	22819354	0.64	cps
Molybdenum	96-1	24537301	25071512	25126935	24911916	1.31	cps
Molybdenum	97-1	14135376	14192753	14625406	14317845	1.87	cps
Molybdenum	98-1	36118528	36854491	36793078	36588699	1.12	cps
Neodymium	150-1	513	577	540	543	5.85	cps
Neodymium	150-2	207	227	210	214	5.00	cps
Nickel	60-2	467595	471837	475554	471662	0.84	cps
Phosphorus	31-2	657	767	733	719	7.85	cps
Potassium	39-2	6469166	6434249	6430538	6444651	0.33	cps
Rhodium	103-1	7267665	7427413	7245927	7313668	1.36	cps
Rhodium	103-2	4116741	4117127	4102723	4112197	0.20	cps
Scandium	45-1	5046063	5053560	5024103	5041242	0.30	cps
Scandium	45-2	346204	349042	351403	348883	0.75	cps
Selenium	82-1	56060	56576	58008	56882	1.77	cps
Selenium	77-2	4664	4767	4511	4647	2.78	cps
Selenium	78-2	15415	15785	15745	15648	1.30	cps
Silicon	28-1	11181842	11594987	11259647	11345492	1.94	cps
Silver	107-1	2569179	4127069	3280369	3325539	23.45	cps
Silver	109-1	1897025	3448091	1800519	2381878	38.82	cps
Sodium	23-2	34508671	34565445	34278829	34450982	0.44	cps
Strontium	86-1	24136574	25063477	24885780	24695277	1.99	cps
Strontium	88-1	215044363	214002990	223191970	217413108	2.31	cps
Sulfur	34-1	262285	269535	269671	267164	1.58	cps
Terbium	159-1	9710431	10110119	9952354	9924302	2.03	cps
Terbium	159-2	6496372	6413322	6504916	6471537	0.78	cps
Thallium	203-1	2816582	2824182	2918323	2853029	1.99	cps
Thallium	205-1	6755745	6630686	6920431	6768954	2.15	cps
Tin	118-1	2485551	2502679	2548000	2512077	1.28	cps
Titanium	47-1	5265098	5622797	5297599	5395165	3.67	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-02RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSR	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 20:59:53	DataFile Name :	086SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8664179	8943350	9014628	8874052	2.09	cps
Vanadium	51-2	1112235	1110364	1111778	1111459	0.09	cps
Yttrium	89-1	10816442	10917889	10829076	10854469	0.51	cps
Yttrium	89-2	2413006	2412582	2442512	2422700	0.71	cps
Zinc	66-2	2132247	2160599	2144582	2145809	0.66	cps
Zirconium	90-1	6039642	6078245	6154534	6090807	0.96	cps
Zirconium	91-1	1330689	1349458	1375137	1351761	1.65	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:02:38	DataFile Name :	087CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5685256	5630280	5643980	5653172	0.51	cps
Antimony	121-1	3359030	3389906	3333237	3360724	0.84	cps
Arsenic	75-2	156580	157674	159820	158025	1.04	cps
Barium	135-1	3958003	4004324	3860203	3940843	1.87	cps
Barium	137-1	6747493	6819056	6674880	6747143	1.07	cps
Beryllium	9-1	658045	659168	672715	663309	1.23	cps
Bismuth	209-1	5424461	5425917	5424814	5425064	0.01	cps
Bismuth	209-2	4460324	4112576	4903661	4492187	8.83	cps
Bromine	81-1	10597	9953	9426	9992	5.87	cps
Bromine	81-2	297	253	290	280	8.33	cps
Cadmium	108-1	56690	55546	57467	56568	1.71	cps
Cadmium	106-1	83931	84051	83824	83935	0.14	cps
Cadmium	111-1	764670	781175	773585	773143	1.07	cps
Calcium	43-1	4851587	4855923	4858638	4855383	0.07	cps
Calcium	44-1	77332804	76695357	78142707	77390289	0.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1114955	1120738	1131093	1122262	0.73	cps
Cobalt	59-2	1708128	1685199	1711859	1701729	0.85	cps
Copper	63-2	11628882	11704920	11694814	11676206	0.35	cps
Dysprosium	156-1	233	237	203	224	8.18	cps
Dysprosium	156-2	263	350	303	306	14.20	cps
Erbium	164-1	197	230	217	214	7.82	cps
Erbium	164-2	173	133	143	150	13.88	cps
Gadolinium	160-1	197	183	173	184	6.35	cps
Gadolinium	160-2	390	347	373	370	5.91	cps
Holmium	165-1	9614577	9766470	9646926	9675991	0.83	cps
Holmium	165-2	6698033	6180110	7319163	6732435	8.47	cps
Indium	115-1	7954802	7909448	7701096	7855115	1.72	cps
Indium	115-2	2441140	2277303	2715628	2478024	8.94	cps
Iron	56-2	237369976	239468850	237589723	238142850	0.48	cps
Iron	57-2	5928738	5929044	6023870	5960551	0.92	cps
Iron	54-2	13127845	12931536	12852809	12970730	1.09	cps
Krypton	83-1	230	213	260	234	10.09	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:02:38	DataFile Name :	087CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10204005	10544809	10391588	10380134	1.64	cps
Lead	207-1	9122455	9340520	9057308	9173428	1.62	cps
Lead	208-1	40678986	42090231	41585324	41451514	1.73	cps
Lithium	6-1	1728404	1785531	1770092	1761342	1.68	cps
Magnesium	24-2	50416238	50435659	50112681	50321526	0.36	cps
Manganese	55-2	7989692	7864653	7930276	7928207	0.79	cps
Molybdenum	94-1	12218693	11815784	12030298	12021592	1.68	cps
Molybdenum	95-1	17375186	17452711	17230495	17352798	0.65	cps
Molybdenum	96-1	18912975	19389104	19103256	19135112	1.25	cps
Molybdenum	97-1	11036594	10977691	10925747	10980011	0.51	cps
Molybdenum	98-1	28294665	27868021	27753445	27972044	1.02	cps
Neodymium	150-1	313	297	243	284	12.85	cps
Neodymium	150-2	137	93	67	99	35.73	cps
Nickel	60-2	422932	421328	422371	422210	0.19	cps
Phosphorus	31-2	64830	64914	65309	65017	0.39	cps
Potassium	39-2	29114541	29210827	29518221	29281197	0.72	cps
Rhodium	103-1	7257261	7057143	7141306	7151903	1.40	cps
Rhodium	103-2	4062404	3711539	4513785	4095909	9.82	cps
Scandium	45-1	5302155	5240115	5134295	5225522	1.62	cps
Scandium	45-2	345570	322405	387146	351707	9.33	cps
Selenium	82-1	52507	52476	51511	52165	1.08	cps
Selenium	77-2	4091	4074	4431	4198	4.80	cps
Selenium	78-2	13867	14050	14190	14036	1.16	cps
Silicon	28-1	33178400	33468920	33168921	33272080	0.51	cps
Silver	107-1	3788806	3848798	3831129	3822911	0.81	cps
Silver	109-1	3674729	3778180	3637474	3696795	1.97	cps
Sodium	23-2	78497579	80497535	80239709	79744941	1.36	cps
Strontium	86-1	25528496	25357995	25624819	25503770	0.53	cps
Strontium	88-1	221179370	224758137	223125083	223020863	0.80	cps
Sulfur	34-1	483870	479510	480320	481233	0.48	cps
Terbium	159-1	9973328	10079794	9828163	9960429	1.27	cps
Terbium	159-2	6574166	6071543	7337770	6661159	9.57	cps
Thallium	203-1	2624673	2695162	2683455	2667764	1.42	cps
Thallium	205-1	6153184	6238932	6210999	6201038	0.71	cps
Tin	118-1	2580211	2619123	2542322	2580552	1.49	cps
Titanium	47-1	5006688	4985252	4979854	4990598	0.28	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV06	Instrumnet Name :	P7
Client Sample ID :	CCV06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:02:38	DataFile Name :	087CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8051871	8113465	8160072	8108469	0.67	cps
Vanadium	51-2	1000105	1013973	1013159	1009079	0.77	cps
Yttrium	89-1	11044849	10992194	10871787	10969610	0.81	cps
Yttrium	89-2	2428525	2228940	2700475	2452647	9.65	cps
Zinc	66-2	2018268	1998385	2009974	2008876	0.50	cps
Zirconium	90-1	5868342	5759589	5788131	5805354	0.97	cps
Zirconium	91-1	1282788	1281364	1285382	1283178	0.16	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:14:03	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	163	197	153	171	13.26	cps
Antimony	121-1	307	483	520	437	26.12	cps
Arsenic	75-2	13	0	7	7	99.98	cps
Barium	135-1	77	100	53	77	30.44	cps
Barium	137-1	150	173	150	158	8.54	cps
Beryllium	9-1	80	97	97	91	10.56	cps
Bismuth	209-1	5553953	5645463	5516241	5571886	1.19	cps
Bismuth	209-2	4787780	4637746	4629296	4684941	1.90	cps
Bromine	81-1	7382	7238	7252	7291	1.09	cps
Bromine	81-2	137	87	113	112	22.29	cps
Cadmium	108-1	13	10	10	11	17.30	cps
Cadmium	106-1	2054	2157	2187	2132	3.28	cps
Cadmium	111-1	1465	1516	1550	1510	2.85	cps
Calcium	43-1	247	277	373	299	22.15	cps
Calcium	44-1	10417	10214	10341	10324	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	497	500	547	514	5.43	cps
Cobalt	59-2	87	87	77	83	6.93	cps
Copper	63-2	947	973	903	941	3.75	cps
Dysprosium	156-1	47	53	40	47	14.28	cps
Dysprosium	156-2	17	3	7	9	78.08	cps
Erbium	164-1	87	83	57	76	21.76	cps
Erbium	164-2	40	40	40	40	0.00	cps
Gadolinium	160-1	40	63	43	49	25.81	cps
Gadolinium	160-2	270	260	283	271	4.32	cps
Holmium	165-1	9037654	9065982	9210612	9104749	1.02	cps
Holmium	165-2	6499701	6356462	6393539	6416568	1.16	cps
Indium	115-1	8145898	7972052	7982351	8033433	1.21	cps
Indium	115-2	2497079	2561955	2569254	2542763	1.56	cps
Iron	56-2	10154	9907	10793	10285	4.45	cps
Iron	57-2	1353	1277	1430	1353	5.67	cps
Iron	54-2	1360	1297	1327	1328	2.39	cps
Krypton	83-1	207	217	250	224	10.11	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:14:03	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	407	373	357	379	6.72	cps
Lead	207-1	327	367	360	351	6.10	cps
Lead	208-1	1747	1613	1580	1647	5.36	cps
Lithium	6-1	1651627	1604411	1616903	1624314	1.51	cps
Magnesium	24-2	733	587	653	658	11.16	cps
Manganese	55-2	397	367	343	369	7.25	cps
Molybdenum	94-1	327	240	343	303	18.29	cps
Molybdenum	95-1	253	223	210	229	9.70	cps
Molybdenum	96-1	250	243	330	274	17.57	cps
Molybdenum	97-1	153	127	130	137	10.63	cps
Molybdenum	98-1	310	303	257	290	10.02	cps
Neodymium	150-1	7	20	7	11	69.25	cps
Neodymium	150-2	13	0	3	6	124.93	cps
Nickel	60-2	163	157	143	154	6.59	cps
Phosphorus	31-2	147	110	113	123	16.44	cps
Potassium	39-2	45237	46066	45889	45731	0.95	cps
Rhodium	103-1	7625215	7632303	7629127	7628882	0.05	cps
Rhodium	103-2	4442341	4283541	4267891	4331258	2.23	cps
Scandium	45-1	5099582	5186693	5002031	5096102	1.81	cps
Scandium	45-2	352409	353579	355969	353986	0.51	cps
Selenium	82-1	269	297	269	278	5.88	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	250	213	190	218	13.89	cps
Silicon	28-1	291831	292130	291589	291850	0.09	cps
Silver	107-1	267	143	133	181	41.00	cps
Silver	109-1	200	143	90	144	38.08	cps
Sodium	23-2	16149	16155	15678	15994	1.71	cps
Strontium	86-1	447	387	417	417	7.20	cps
Strontium	88-1	1340	1173	1037	1183	12.84	cps
Sulfur	34-1	195649	196702	196831	196394	0.33	cps
Terbium	159-1	9731969	9654795	9421097	9602620	1.69	cps
Terbium	159-2	6385326	6321408	6371580	6359438	0.53	cps
Thallium	203-1	53	100	63	72	34.02	cps
Thallium	205-1	177	157	183	172	8.06	cps
Tin	118-1	980	1017	1210	1069	11.56	cps
Titanium	47-1	127	113	133	124	8.19	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB06	Instrumnet Name :	P7
Client Sample ID :	CCB06	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:14:03	DataFile Name :	089CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	53	30	47	43	27.73	cps
Vanadium	51-2	17	37	50	34	48.70	cps
Yttrium	89-1	10755587	10795478	10438513	10663192	1.83	cps
Yttrium	89-2	2397894	2480203	2397274	2425124	1.97	cps
Zinc	66-2	563	710	727	667	13.48	cps
Zirconium	90-1	533	523	533	530	1.09	cps
Zirconium	91-1	127	107	160	131	20.55	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:17:20	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1117816	1110766	1111370	1113317	0.35	cps
Antimony	121-1	3509258	3577586	3508147	3531663	1.13	cps
Arsenic	75-2	175177	177684	174442	175768	0.97	cps
Barium	135-1	4039921	4053168	3987041	4026710	0.87	cps
Barium	137-1	6931153	7025526	7035181	6997287	0.82	cps
Beryllium	9-1	688769	720576	722688	710678	2.67	cps
Bismuth	209-1	5470684	5498697	5614641	5528007	1.38	cps
Bismuth	209-2	4652564	4541969	4616476	4603670	1.23	cps
Bromine	81-1	24631	29710	33668	29336	15.44	cps
Bromine	81-2	4854	4908	5158	4973	3.26	cps
Cadmium	108-1	64305	64392	64747	64481	0.36	cps
Cadmium	106-1	92754	93734	93116	93201	0.53	cps
Cadmium	111-1	861792	890112	876325	876077	1.62	cps
Calcium	43-1	1376906	1400084	1414923	1397304	1.37	cps
Calcium	44-1	20628269	21265955	21590849	21161691	2.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1223610	1219112	1212962	1218561	0.44	cps
Cobalt	59-2	1969519	1974800	1984121	1976147	0.37	cps
Copper	63-2	12623183	12322793	12265851	12403942	1.55	cps
Dysprosium	156-1	340	330	317	329	3.56	cps
Dysprosium	156-2	433	403	363	400	8.78	cps
Erbium	164-1	287	403	290	327	20.33	cps
Erbium	164-2	203	257	193	218	15.63	cps
Gadolinium	160-1	317	330	333	327	2.70	cps
Gadolinium	160-2	460	377	467	434	11.54	cps
Holmium	165-1	9608857	9665322	9536132	9603437	0.67	cps
Holmium	165-2	6561523	6538552	6549971	6550015	0.18	cps
Indium	115-1	7907232	7966480	8086267	7986660	1.14	cps
Indium	115-2	2530993	2524364	2460538	2505298	1.55	cps
Iron	56-2	55262788	55270623	55537121	55356844	0.28	cps
Iron	57-2	1398445	1387966	1398399	1394937	0.43	cps
Iron	54-2	3008660	3089745	3033366	3043923	1.37	cps
Krypton	83-1	280	210	200	230	18.95	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSD	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:17:20	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10874604	10819437	10907484	10867175	0.41	cps
Lead	207-1	9487793	9754509	9688774	9643692	1.44	cps
Lead	208-1	42883496	43229695	43627216	43246802	0.86	cps
Lithium	6-1	1657392	1651210	1699262	1669288	1.57	cps
Magnesium	24-2	10834285	10803783	10781934	10806667	0.24	cps
Manganese	55-2	8788831	9052559	8918745	8920045	1.48	cps
Molybdenum	94-1	15269486	15939847	15699999	15636444	2.17	cps
Molybdenum	95-1	23076628	23732245	23602845	23470573	1.48	cps
Molybdenum	96-1	25399161	25260514	25039131	25232935	0.72	cps
Molybdenum	97-1	14109839	14540014	14247815	14299223	1.54	cps
Molybdenum	98-1	37245592	37674417	37562930	37494313	0.59	cps
Neodymium	150-1	550	453	527	510	9.89	cps
Neodymium	150-2	207	173	243	208	16.85	cps
Nickel	60-2	475326	480150	477524	477667	0.51	cps
Phosphorus	31-2	813	703	720	746	7.95	cps
Potassium	39-2	6697036	6587319	6660297	6648217	0.84	cps
Rhodium	103-1	7484328	7439238	7373409	7432325	0.75	cps
Rhodium	103-2	4228345	4232556	4172517	4211139	0.80	cps
Scandium	45-1	5117408	5146305	5209522	5157745	0.91	cps
Scandium	45-2	354989	355282	353595	354622	0.25	cps
Selenium	82-1	56151	56615	56854	56540	0.63	cps
Selenium	77-2	4604	4754	4444	4601	3.37	cps
Selenium	78-2	15859	15522	15618	15666	1.11	cps
Silicon	28-1	11002459	11578175	11585268	11388634	2.94	cps
Silver	107-1	2302351	2075797	3174333	2517494	23.04	cps
Silver	109-1	2192985	2506482	2740510	2479992	11.08	cps
Sodium	23-2	35862884	35547379	35325849	35578704	0.76	cps
Strontium	86-1	25786311	25567768	25459267	25604449	0.65	cps
Strontium	88-1	218153017	220423230	221787017	220121088	0.83	cps
Sulfur	34-1	279416	280074	279643	279711	0.12	cps
Terbium	159-1	9909487	9968090	9884626	9920734	0.43	cps
Terbium	159-2	6518999	6366773	6467982	6451251	1.20	cps
Thallium	203-1	2862267	2893668	2892773	2882903	0.62	cps
Thallium	205-1	6847842	6901508	6778565	6842639	0.90	cps
Tin	118-1	2426243	2566123	2575609	2522658	3.32	cps
Titanium	47-1	5300844	5502185	5502695	5435241	2.14	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-03RE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124MSDI	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:17:20	DataFile Name :	090SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8567285	8801061	8836710	8735019	1.68	cps
Vanadium	51-2	1139722	1138006	1115653	1131127	1.19	cps
Yttrium	89-1	11035084	10919846	10820045	10924992	0.99	cps
Yttrium	89-2	2438975	2484033	2490717	2471242	1.14	cps
Zinc	66-2	2204056	2165502	2145837	2171798	1.36	cps
Zirconium	90-1	6111319	6176037	6177049	6154802	0.61	cps
Zirconium	91-1	1356233	1376035	1379764	1370677	0.92	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:20:08	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1142751	1129856	1119784	1130797	1.02	cps
Antimony	121-1	3642089	3675898	3688248	3668745	0.65	cps
Arsenic	75-2	181573	179704	177923	179733	1.02	cps
Barium	135-1	3991058	4152792	4139084	4094311	2.19	cps
Barium	137-1	6929845	7119678	7117264	7055596	1.54	cps
Beryllium	9-1	746812	767023	758338	757391	1.34	cps
Bismuth	209-1	5664964	2102283	4899203	4222150	44.42	cps
Bismuth	209-2	4623740	4719537	4588755	4644010	1.46	cps
Bromine	81-1	26581	30391	32793	29922	10.47	cps
Bromine	81-2	4537	4294	4734	4522	4.88	cps
Cadmium	108-1	65949	67898	66465	66771	1.51	cps
Cadmium	106-1	95126	96673	95495	95764	0.84	cps
Cadmium	111-1	876760	932906	906179	905282	3.10	cps
Calcium	43-1	1397272	1455204	1447679	1433385	2.20	cps
Calcium	44-1	21386526	22407246	22106085	21966619	2.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1254247	1230468	1229959	1238225	1.12	cps
Cobalt	59-2	2034136	2013646	2008398	2018727	0.67	cps
Copper	63-2	12812059	12693506	12708786	12738117	0.51	cps
Dysprosium	156-1	390	433	287	370	20.37	cps
Dysprosium	156-2	397	357	403	386	6.55	cps
Erbium	164-1	337	287	340	321	9.30	cps
Erbium	164-2	237	213	253	234	8.57	cps
Gadolinium	160-1	327	300	277	301	8.31	cps
Gadolinium	160-2	437	467	513	472	8.18	cps
Holmium	165-1	9758083	3616575	8472436	7282365	44.48	cps
Holmium	165-2	6606588	6705448	6505001	6605679	1.52	cps
Indium	115-1	8060682	3041180	7124538	6075467	43.93	cps
Indium	115-2	2528971	2569475	2584338	2560928	1.12	cps
Iron	56-2	56522917	55328654	55963793	55938455	1.07	cps
Iron	57-2	1440700	1401464	1423156	1421774	1.38	cps
Iron	54-2	3125480	3064857	3055318	3081885	1.23	cps
Krypton	83-1	200	243	257	233	12.70	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:20:08	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10884151	11245050	10997494	11042232	1.67	cps
Lead	207-1	9591663	10014970	9924050	9843561	2.26	cps
Lead	208-1	43588259	45125785	44127092	44280379	1.76	cps
Lithium	6-1	1731040	756183	1493385	1326869	38.31	cps
Magnesium	24-2	11112191	10820088	10632649	10854976	2.23	cps
Manganese	55-2	9310684	8953708	8968937	9077776	2.22	cps
Molybdenum	94-1	15601614	16200101	15757035	15852916	1.96	cps
Molybdenum	95-1	23218500	24074303	23884524	23725776	1.89	cps
Molybdenum	96-1	24927793	26356440	25523466	25602566	2.80	cps
Molybdenum	97-1	14345877	15039957	14482572	14622802	2.51	cps
Molybdenum	98-1	37370456	39006197	37478030	37951561	2.41	cps
Neodymium	150-1	543	547	510	533	3.80	cps
Neodymium	150-2	207	213	223	214	3.91	cps
Nickel	60-2	492583	489855	489834	490757	0.32	cps
Phosphorus	31-2	780	757	750	762	2.07	cps
Potassium	39-2	6762726	6698791	6681960	6714492	0.63	cps
Rhodium	103-1	7578229	2927874	6500387	5668830	42.94	cps
Rhodium	103-2	4226380	4292314	4212537	4243744	1.00	cps
Scandium	45-1	5369058	2103712	4469563	3980777	42.37	cps
Scandium	45-2	360091	355436	356530	357352	0.68	cps
Selenium	82-1	57727	59435	58375	58512	1.47	cps
Selenium	77-2	4777	4757	4547	4694	2.72	cps
Selenium	78-2	15909	15859	16402	16057	1.87	cps
Silicon	28-1	11378089	11837336	11879905	11698443	2.38	cps
Silver	107-1	2846792	2856630	3874380	3192601	18.49	cps
Silver	109-1	2375844	2876190	2746839	2666291	9.74	cps
Sodium	23-2	35681321	36318962	36178011	36059431	0.93	cps
Strontium	86-1	25020935	26411734	25895800	25776157	2.73	cps
Strontium	88-1	220887003	226706750	227502183	225031979	1.60	cps
Sulfur	34-1	273375	277312	278236	276308	0.93	cps
Terbium	159-1	10058820	3810417	8883207	7584148	43.78	cps
Terbium	159-2	6622854	6686058	6492185	6600366	1.50	cps
Thallium	203-1	2898707	3009798	2955991	2954832	1.88	cps
Thallium	205-1	6901319	7154246	6938201	6997922	1.95	cps
Tin	118-1	2500342	2725561	2566881	2597594	4.45	cps
Titanium	47-1	5537790	5723801	5637050	5632880	1.65	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:20:08	DataFile Name :	091SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8882639	9458147	8982268	9107685	3.38	cps
Vanadium	51-2	1156465	1146731	1149963	1151053	0.43	cps
Yttrium	89-1	11031269	4347515	9616767	8331850	42.27	cps
Yttrium	89-2	2476094	2507394	2458374	2480621	1.00	cps
Zinc	66-2	2160272	2192959	2164374	2172535	0.82	cps
Zirconium	90-1	6231900	6463901	6309603	6335134	1.86	cps
Zirconium	91-1	1378664	1433481	1410546	1407564	1.96	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BL	Instrumnet Name :	P7
Client Sample ID :	PB162888BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:22:54	DataFile Name :	092CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	197	260	200	219	16.28	cps
Antimony	121-1	2860	3140	3224	3075	6.19	cps
Arsenic	75-2	23	27	10	20	44.10	cps
Barium	135-1	297	213	230	247	17.88	cps
Barium	137-1	517	433	400	450	13.35	cps
Beryllium	9-1	230	213	197	213	7.81	cps
Bismuth	209-1	5650291	5707275	5631249	5662938	0.70	cps
Bismuth	209-2	4635477	4658600	4693439	4662505	0.63	cps
Bromine	81-1	10404	9860	9316	9860	5.51	cps
Bromine	81-2	293	283	237	271	11.16	cps
Cadmium	108-1	27	30	10	22	48.22	cps
Cadmium	106-1	2564	2217	2244	2341	8.24	cps
Cadmium	111-1	1839	1604	1597	1680	8.21	cps
Calcium	43-1	387	407	387	393	2.94	cps
Calcium	44-1	11431	11368	11462	11420	0.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	593	530	583	569	5.99	cps
Cobalt	59-2	130	180	190	167	19.29	cps
Copper	63-2	1447	1423	1387	1419	2.13	cps
Dysprosium	156-1	53	63	53	57	10.19	cps
Dysprosium	156-2	3	20	17	13	66.16	cps
Erbium	164-1	50	87	33	57	48.15	cps
Erbium	164-2	57	40	43	47	18.90	cps
Gadolinium	160-1	23	37	27	29	24.03	cps
Gadolinium	160-2	270	287	237	264	9.63	cps
Holmium	165-1	9559599	9329032	9277772	9388801	1.60	cps
Holmium	165-2	6469219	6416739	6369482	6418480	0.78	cps
Indium	115-1	8128880	8251940	8058760	8146527	1.20	cps
Indium	115-2	2517276	2493191	2534003	2514823	0.82	cps
Iron	56-2	11274	11551	11521	11449	1.33	cps
Iron	57-2	1363	1513	1283	1387	8.42	cps
Iron	54-2	1313	1317	1427	1352	4.77	cps
Krypton	83-1	233	187	197	206	11.95	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BL	Instrumnet Name :	P7
Client Sample ID :	PB162888BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:22:54	DataFile Name :	092CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1267	1120	1494	1293	14.55	cps
Lead	207-1	1037	903	1217	1052	14.95	cps
Lead	208-1	4840	4380	5601	4941	12.48	cps
Lithium	6-1	1710897	1744271	1762014	1739061	1.49	cps
Magnesium	24-2	893	903	877	891	1.51	cps
Manganese	55-2	700	707	733	713	2.47	cps
Molybdenum	94-1	1507	1400	1437	1448	3.74	cps
Molybdenum	95-1	2027	1883	1730	1880	7.89	cps
Molybdenum	96-1	2240	2057	1987	2095	6.25	cps
Molybdenum	97-1	1317	1140	940	1132	16.65	cps
Molybdenum	98-1	3060	2704	2784	2849	6.57	cps
Neodymium	150-1	13	17	20	17	20.01	cps
Neodymium	150-2	10	3	3	6	69.34	cps
Nickel	60-2	197	193	200	197	1.69	cps
Phosphorus	31-2	110	100	80	97	15.80	cps
Potassium	39-2	45809	45765	45351	45642	0.55	cps
Rhodium	103-1	7554614	7760732	7781137	7698828	1.63	cps
Rhodium	103-2	4277190	4271769	4292981	4280647	0.26	cps
Scandium	45-1	5226886	5069018	5147132	5147678	1.53	cps
Scandium	45-2	349309	348091	350865	349422	0.40	cps
Selenium	82-1	259	339	340	313	14.86	cps
Selenium	77-2	0	10	0	3	173.21	cps
Selenium	78-2	237	177	207	207	14.52	cps
Silicon	28-1	330759	320424	317075	322753	2.21	cps
Silver	107-1	3334	1133	643	1704	84.12	cps
Silver	109-1	3267	867	490	1541	97.74	cps
Sodium	23-2	21311	21485	20454	21083	2.62	cps
Strontium	86-1	1607	1407	1383	1466	8.38	cps
Strontium	88-1	11351	9503	8456	9770	15.00	cps
Sulfur	34-1	191686	192351	190698	191579	0.43	cps
Terbium	159-1	9790065	9788318	9673290	9750558	0.69	cps
Terbium	159-2	6333895	6492448	6361760	6396034	1.32	cps
Thallium	203-1	277	227	417	307	32.12	cps
Thallium	205-1	600	667	950	739	25.17	cps
Tin	118-1	1493	1633	1693	1607	6.39	cps
Titanium	47-1	480	473	520	491	5.14	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BL	Instrumnet Name :	P7
Client Sample ID :	PB162888BL	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:22:54	DataFile Name :	092CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	453	350	487	430	16.57	cps
Vanadium	51-2	47	70	50	56	22.71	cps
Yttrium	89-1	10741420	10936947	10737019	10805128	1.06	cps
Yttrium	89-2	2424319	2456989	2449816	2443708	0.70	cps
Zinc	66-2	827	833	917	859	5.84	cps
Zirconium	90-1	1000	923	913	946	5.01	cps
Zirconium	91-1	157	217	247	207	22.17	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BS	Instrumnet Name :	P7
Client Sample ID :	PB162888BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:26:14	DataFile Name :	093LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1174756	1148308	1170231	1164432	1.21	cps
Antimony	121-1	3354367	3449673	3356262	3386767	1.61	cps
Arsenic	75-2	163061	162812	161135	162336	0.65	cps
Barium	135-1	3995295	4142585	4058788	4065556	1.82	cps
Barium	137-1	6977013	7057125	6950242	6994793	0.80	cps
Beryllium	9-1	658652	681988	674491	671710	1.77	cps
Bismuth	209-1	5510123	5550872	5461589	5507528	0.81	cps
Bismuth	209-2	4595914	4627132	4675083	4632709	0.86	cps
Bromine	81-1	7625	7329	7369	7441	2.16	cps
Bromine	81-2	100	117	90	102	13.18	cps
Cadmium	108-1	58728	58752	58725	58735	0.02	cps
Cadmium	106-1	86097	87307	85829	86411	0.91	cps
Cadmium	111-1	796603	809333	808490	804809	0.88	cps
Calcium	43-1	1128316	1142637	1125985	1132312	0.80	cps
Calcium	44-1	16593686	16495159	16492201	16527015	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1176672	1181360	1176784	1178272	0.23	cps
Cobalt	59-2	1830896	1874233	1838639	1847923	1.25	cps
Copper	63-2	12545402	12724660	12644266	12638109	0.71	cps
Dysprosium	156-1	123	127	127	126	1.53	cps
Dysprosium	156-2	150	237	207	198	22.25	cps
Erbium	164-1	123	147	197	156	24.08	cps
Erbium	164-2	93	107	63	88	25.29	cps
Gadolinium	160-1	70	107	87	88	20.92	cps
Gadolinium	160-2	363	323	327	338	6.57	cps
Holmium	165-1	9494232	9459365	9554318	9502639	0.51	cps
Holmium	165-2	6583140	6660193	6668371	6637234	0.71	cps
Indium	115-1	7821081	7995192	7853279	7889851	1.17	cps
Indium	115-2	2526293	2504985	2509498	2513592	0.45	cps
Iron	56-2	50400051	51394924	50485126	50760034	1.09	cps
Iron	57-2	1311442	1329969	1317911	1319774	0.71	cps
Iron	54-2	2841940	2832235	2814953	2829709	0.48	cps
Krypton	83-1	197	170	213	193	11.31	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BS	Instrumnet Name :	P7
Client Sample ID :	PB162888BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:26:14	DataFile Name :	093LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10837422	11003615	10777868	10872968	1.08	cps
Lead	207-1	9384070	9847653	9581799	9604507	2.42	cps
Lead	208-1	42803379	44019237	43177158	43333258	1.44	cps
Lithium	6-1	1677405	1739525	1757010	1724647	2.43	cps
Magnesium	24-2	10657738	10368029	10561247	10529005	1.40	cps
Manganese	55-2	8334411	8496780	8330650	8387280	1.13	cps
Molybdenum	94-1	12413814	12563831	12549156	12508934	0.66	cps
Molybdenum	95-1	17824240	18167446	18426801	18139496	1.67	cps
Molybdenum	96-1	19650924	19947391	19941466	19846594	0.85	cps
Molybdenum	97-1	11235179	11243680	11226678	11235179	0.08	cps
Molybdenum	98-1	28021647	28728834	28858088	28536190	1.58	cps
Neodymium	150-1	253	207	233	231	10.13	cps
Neodymium	150-2	53	77	57	62	20.29	cps
Nickel	60-2	464763	462738	463508	463669	0.22	cps
Phosphorus	31-2	68697	67022	66758	67492	1.56	cps
Potassium	39-2	6252931	6173028	6055510	6160490	1.61	cps
Rhodium	103-1	7334248	7332091	7410201	7358847	0.60	cps
Rhodium	103-2	4206870	4310736	4212484	4243364	1.38	cps
Scandium	45-1	5176631	5105889	5104501	5129007	0.80	cps
Scandium	45-2	351252	348651	348452	349452	0.45	cps
Selenium	82-1	53089	54196	53856	53714	1.06	cps
Selenium	77-2	4391	4254	4544	4396	3.30	cps
Selenium	78-2	15125	14861	15108	15031	0.98	cps
Silicon	28-1	32828583	32294383	33346320	32823095	1.60	cps
Silver	107-1	3988441	4134036	4042353	4054943	1.82	cps
Silver	109-1	3814734	3972535	3887730	3891666	2.03	cps
Sodium	23-2	16729959	16445832	16750521	16642104	1.02	cps
Strontium	86-1	26703553	26796350	26828105	26776003	0.24	cps
Strontium	88-1	229646903	229947983	230043963	229879617	0.09	cps
Sulfur	34-1	488290	494970	494788	492683	0.77	cps
Terbium	159-1	9907327	9668390	9815658	9797125	1.23	cps
Terbium	159-2	6470573	6546169	6592473	6536405	0.94	cps
Thallium	203-1	2763459	2810043	2786513	2786672	0.84	cps
Thallium	205-1	6517298	6614592	6516418	6549436	0.86	cps
Tin	118-1	2674743	2655643	2701439	2677275	0.86	cps
Titanium	47-1	5039076	5205592	5089670	5111446	1.67	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	PB162888BS	Instrumnet Name :	P7
Client Sample ID :	PB162888BS	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:26:14	DataFile Name :	093LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8021073	8238546	8275162	8178260	1.68	cps
Vanadium	51-2	1050391	1054478	1029546	1044805	1.28	cps
Yttrium	89-1	10773079	10971702	10982886	10909222	1.08	cps
Yttrium	89-2	2406958	2487506	2454022	2449495	1.65	cps
Zinc	66-2	2124907	2164499	2107490	2132299	1.37	cps
Zirconium	90-1	5812591	5927515	5950288	5896798	1.25	cps
Zirconium	91-1	1305738	1315288	1317628	1312885	0.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:29:01	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9998907	9981231	9901852	9960663	0.52	cps
Antimony	121-1	22024	22211	22541	22258	1.18	cps
Arsenic	75-2	18819	18275	18458	18517	1.49	cps
Barium	135-1	885424	897107	895596	892709	0.71	cps
Barium	137-1	1617206	1627564	1655975	1633582	1.23	cps
Beryllium	9-1	7572	7722	8002	7765	2.81	cps
Bismuth	209-1	5558053	5497115	5603381	5552850	0.96	cps
Bismuth	209-2	4657726	4758872	4645113	4687237	1.33	cps
Bromine	81-1	35910	38871	40468	38417	6.02	cps
Bromine	81-2	5404	5691	5821	5639	3.78	cps
Cadmium	108-1	1553	1627	1787	1656	7.21	cps
Cadmium	106-1	5504	5628	5481	5538	1.42	cps
Cadmium	111-1	18881	19247	18648	18926	1.59	cps
Calcium	43-1	1267767	1340618	1340694	1316360	3.20	cps
Calcium	44-1	20974519	21620552	21645556	21413542	1.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	691992	684701	692347	689680	0.63	cps
Cobalt	59-2	814983	805697	805218	808633	0.68	cps
Copper	63-2	2852884	2845635	2838300	2845606	0.26	cps
Dysprosium	156-1	162206	164168	166049	164141	1.17	cps
Dysprosium	156-2	134696	134366	133087	134049	0.63	cps
Erbium	164-1	143570	143903	146274	144583	1.02	cps
Erbium	164-2	102536	101539	99548	101208	1.50	cps
Gadolinium	160-1	153956	156642	158232	156277	1.38	cps
Gadolinium	160-2	114580	115401	115350	115111	0.40	cps
Holmium	165-1	9342567	9522826	9569226	9478206	1.26	cps
Holmium	165-2	6734691	6756022	6676949	6722554	0.61	cps
Indium	115-1	7909200	7905385	7959403	7924663	0.38	cps
Indium	115-2	2529873	2523719	2536458	2530017	0.25	cps
Iron	56-2	326101895	327268128	325283882	326217968	0.31	cps
Iron	57-2	8072339	8201451	7992418	8088736	1.30	cps
Iron	54-2	17862085	17497323	17953896	17771101	1.36	cps
Krypton	83-1	420	350	413	394	9.79	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:29:01	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4344703	4348651	4389176	4360843	0.56	cps
Lead	207-1	3700961	3774125	3745875	3740320	0.99	cps
Lead	208-1	17087843	17137779	17230727	17152117	0.42	cps
Lithium	6-1	1705733	1654692	1701447	1687291	1.68	cps
Magnesium	24-2	4612093	4636740	4668466	4639100	0.61	cps
Manganese	55-2	5929208	5851792	5877329	5886109	0.67	cps
Molybdenum	94-1	200887	204390	204381	203219	0.99	cps
Molybdenum	95-1	38501	39834	38928	39088	1.74	cps
Molybdenum	96-1	75011	75722	77253	75995	1.51	cps
Molybdenum	97-1	24100	24223	24274	24199	0.37	cps
Molybdenum	98-1	61880	62302	61355	61846	0.77	cps
Neodymium	150-1	257257	260553	266539	261450	1.80	cps
Neodymium	150-2	151933	149847	149164	150315	0.96	cps
Nickel	60-2	421267	411710	414856	415944	1.17	cps
Phosphorus	31-2	35284	35157	36086	35509	1.42	cps
Potassium	39-2	1192360	1179714	1170789	1180954	0.92	cps
Rhodium	103-1	7362864	7438431	7568229	7456508	1.39	cps
Rhodium	103-2	4359932	4263979	4277822	4300578	1.21	cps
Scandium	45-1	5504531	5633053	5556397	5564660	1.16	cps
Scandium	45-2	384712	379769	385279	383253	0.79	cps
Selenium	82-1	980	1177	1035	1064	9.56	cps
Selenium	77-2	380	413	450	414	8.45	cps
Selenium	78-2	640	650	633	641	1.31	cps
Silicon	28-1	48656788	50095844	49651754	49468129	1.49	cps
Silver	107-1	126828	129576	131055	129153	1.66	cps
Silver	109-1	121078	123793	122771	122548	1.12	cps
Sodium	23-2	1434748	1462159	1429461	1442123	1.22	cps
Strontium	86-1	737827	759048	756768	751214	1.55	cps
Strontium	88-1	6526012	6535406	6558471	6539963	0.26	cps
Sulfur	34-1	510117	519630	516991	515579	0.95	cps
Terbium	159-1	9520878	9872965	10068490	9820778	2.83	cps
Terbium	159-2	6728006	6770498	6570579	6689694	1.57	cps
Thallium	203-1	5705	5828	5705	5746	1.24	cps
Thallium	205-1	13807	13954	13680	13814	0.99	cps
Tin	118-1	288494	300368	296857	295239	2.07	cps
Titanium	47-1	1500955	1553616	1535482	1530018	1.75	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:29:01	DataFile Name :	094SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	175004	177192	177457	176551	0.76	cps
Vanadium	51-2	639622	631023	634335	634993	0.68	cps
Yttrium	89-1	13053533	13319255	13544549	13305779	1.85	cps
Yttrium	89-2	3083752	3089099	3056266	3076372	0.57	cps
Zinc	66-2	796208	783991	783765	787988	0.90	cps
Zirconium	90-1	478490	492122	498293	489635	2.07	cps
Zirconium	91-1	108783	111201	111191	110392	1.26	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:32:04	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2006762	2005999	1965785	1992849	1.18	cps
Antimony	121-1	4784	4651	4821	4752	1.88	cps
Arsenic	75-2	3907	3704	3877	3829	2.87	cps
Barium	135-1	179031	178562	180473	179356	0.56	cps
Barium	137-1	307211	308964	309289	308488	0.36	cps
Beryllium	9-1	1620	1570	1650	1613	2.51	cps
Bismuth	209-1	5654246	5639885	5678742	5657624	0.35	cps
Bismuth	209-2	4806843	4800496	4711233	4772858	1.12	cps
Bromine	81-1	14180	14801	14818	14600	2.49	cps
Bromine	81-2	1207	1310	1303	1273	4.54	cps
Cadmium	108-1	410	387	363	387	6.03	cps
Cadmium	106-1	2987	2914	2907	2936	1.51	cps
Cadmium	111-1	5288	5206	5131	5208	1.51	cps
Calcium	43-1	279612	276714	281003	279109	0.78	cps
Calcium	44-1	4227139	4238635	4231381	4232385	0.14	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	136047	134424	135927	135466	0.67	cps
Cobalt	59-2	159659	158191	160329	159393	0.69	cps
Copper	63-2	554522	552504	548524	551850	0.55	cps
Dysprosium	156-1	33547	32892	33300	33246	0.99	cps
Dysprosium	156-2	25884	26218	26078	26060	0.64	cps
Erbium	164-1	28399	28633	28903	28645	0.88	cps
Erbium	164-2	19170	19751	19600	19507	1.55	cps
Gadolinium	160-1	30971	31034	31639	31215	1.18	cps
Gadolinium	160-2	23012	23486	22014	22838	3.29	cps
Holmium	165-1	9710311	9452121	9563278	9575237	1.35	cps
Holmium	165-2	6841272	6695307	6490608	6675729	2.64	cps
Indium	115-1	8315291	8148150	8238197	8233879	1.02	cps
Indium	115-2	2659604	2526582	2631710	2605965	2.69	cps
Iron	56-2	65262481	64427999	64546311	64745597	0.70	cps
Iron	57-2	1643698	1621370	1602871	1622646	1.26	cps
Iron	54-2	3584670	3530085	3485298	3533351	1.41	cps
Krypton	83-1	227	233	270	243	9.59	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:32:04	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	780849	788726	793303	787626	0.80	cps
Lead	207-1	662494	668328	659076	663299	0.71	cps
Lead	208-1	3265547	3278531	3066125	3203401	3.72	cps
Lithium	6-1	1714551	1742729	1686651	1714644	1.64	cps
Magnesium	24-2	951037	953278	941916	948744	0.63	cps
Manganese	55-2	1174826	1172832	1176514	1174724	0.16	cps
Molybdenum	94-1	39995	40178	40683	40285	0.89	cps
Molybdenum	95-1	7939	8006	7819	7921	1.19	cps
Molybdenum	96-1	15722	15468	15235	15475	1.57	cps
Molybdenum	97-1	4988	4848	5008	4948	1.76	cps
Molybdenum	98-1	12539	12559	12632	12577	0.39	cps
Neodymium	150-1	53200	52598	52243	52680	0.92	cps
Neodymium	150-2	29244	29554	29114	29304	0.77	cps
Nickel	60-2	83317	83930	82998	83415	0.57	cps
Phosphorus	31-2	7465	7178	6935	7193	3.69	cps
Potassium	39-2	281331	281350	280265	280982	0.22	cps
Rhodium	103-1	7730344	7539683	7860037	7710021	2.09	cps
Rhodium	103-2	4372723	4347721	4426200	4382215	0.91	cps
Scandium	45-1	5341184	5226339	5262243	5276589	1.11	cps
Scandium	45-2	363400	365578	359704	362894	0.82	cps
Selenium	82-1	442	484	391	439	10.67	cps
Selenium	77-2	100	90	87	92	7.52	cps
Selenium	78-2	250	310	277	279	10.78	cps
Silicon	28-1	10187421	10076245	10127254	10130307	0.55	cps
Silver	107-1	26885	26194	26775	26618	1.40	cps
Silver	109-1	24988	24865	25042	24965	0.36	cps
Sodium	23-2	312809	314656	310977	312814	0.59	cps
Strontium	86-1	148571	150274	150891	149912	0.80	cps
Strontium	88-1	1291469	1304594	1308467	1301510	0.68	cps
Sulfur	34-1	235549	236936	234065	235517	0.61	cps
Terbium	159-1	9985871	9783549	10086178	9951866	1.55	cps
Terbium	159-2	6658343	6502944	6612640	6591309	1.21	cps
Thallium	203-1	1207	1227	1120	1185	4.79	cps
Thallium	205-1	3010	2810	2720	2847	5.21	cps
Tin	118-1	56259	55975	57136	56457	1.07	cps
Titanium	47-1	302571	307108	308006	305895	0.95	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-01DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:32:04	DataFile Name :	095SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	35059	34993	34755	34936	0.46	cps
Vanadium	51-2	124805	123987	123605	124132	0.49	cps
Yttrium	89-1	11513532	11289836	11453508	11418958	1.01	cps
Yttrium	89-2	2625942	2580248	2590045	2598745	0.93	cps
Zinc	66-2	161109	161523	160345	160992	0.37	cps
Zirconium	90-1	95686	97920	97850	97152	1.31	cps
Zirconium	91-1	21038	21763	21532	21445	1.73	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:35:17	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16011731	15783793	15752567	15849364	0.89	cps
Antimony	121-1	19159	19493	19533	19395	1.06	cps
Arsenic	75-2	22951	22594	23268	22938	1.47	cps
Barium	135-1	1212807	1227902	1235716	1225475	0.95	cps
Barium	137-1	2199576	2239809	2290301	2243228	2.03	cps
Beryllium	9-1	11354	10871	11554	11260	3.12	cps
Bismuth	209-1	5522111	5480216	5533037	5511788	0.51	cps
Bismuth	209-2	4783867	4739600	4727238	4750235	0.63	cps
Bromine	81-1	36438	39078	40626	38714	5.47	cps
Bromine	81-2	5711	5945	5825	5827	2.00	cps
Cadmium	108-1	2600	2550	2537	2562	1.30	cps
Cadmium	106-1	6945	7242	7088	7092	2.09	cps
Cadmium	111-1	30608	31612	30889	31036	1.67	cps
Calcium	43-1	1337739	1382053	1354390	1358061	1.65	cps
Calcium	44-1	21535182	21962509	21957996	21818562	1.12	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1081088	1089484	1083873	1084815	0.39	cps
Cobalt	59-2	1173488	1165012	1167394	1168631	0.37	cps
Copper	63-2	4136545	4090232	4088820	4105199	0.66	cps
Dysprosium	156-1	236773	240015	246159	240982	1.98	cps
Dysprosium	156-2	197192	198855	197662	197903	0.43	cps
Erbium	164-1	210844	215342	215938	214041	1.30	cps
Erbium	164-2	150249	147617	148918	148928	0.88	cps
Gadolinium	160-1	225886	233742	231066	230231	1.73	cps
Gadolinium	160-2	169494	166916	167644	168018	0.79	cps
Holmium	165-1	9573534	9833992	9826252	9744592	1.52	cps
Holmium	165-2	6961350	6825259	6921566	6902725	1.01	cps
Indium	115-1	8110573	8189223	8088629	8129475	0.65	cps
Indium	115-2	2627166	2663379	2641092	2643879	0.69	cps
Iron	56-2	522485086	525588592	518358112	522143930	0.69	cps
Iron	57-2	13038837	12950284	12974235	12987785	0.35	cps
Iron	54-2	28801296	28591190	28254175	28548887	0.97	cps
Krypton	83-1	463	490	473	476	2.83	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:35:17	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6600569	6680595	6768809	6683324	1.26	cps
Lead	207-1	5598591	5787777	5825072	5737147	2.12	cps
Lead	208-1	25626337	26168339	26461921	26085532	1.63	cps
Lithium	6-1	1689866	1712365	1684916	1695715	0.86	cps
Magnesium	24-2	7751792	7597796	7596313	7648634	1.17	cps
Manganese	55-2	6187534	6234584	6213211	6211776	0.38	cps
Molybdenum	94-1	247175	253578	256420	252391	1.88	cps
Molybdenum	95-1	51715	51678	52253	51882	0.62	cps
Molybdenum	96-1	97821	101113	101087	100007	1.89	cps
Molybdenum	97-1	31945	32309	32249	32168	0.61	cps
Molybdenum	98-1	80018	83192	83121	82110	2.21	cps
Neodymium	150-1	374391	382339	381177	379302	1.13	cps
Neodymium	150-2	220080	220722	219487	220096	0.28	cps
Nickel	60-2	594819	586903	589261	590328	0.69	cps
Phosphorus	31-2	50209	50864	50373	50482	0.68	cps
Potassium	39-2	1996287	1976892	2005600	1992926	0.73	cps
Rhodium	103-1	7466626	7563737	7564263	7531542	0.75	cps
Rhodium	103-2	4280120	4412567	4332580	4341756	1.54	cps
Scandium	45-1	5784306	5730128	5711251	5741895	0.66	cps
Scandium	45-2	406909	409612	413334	409952	0.79	cps
Selenium	82-1	1265	1263	1292	1274	1.27	cps
Selenium	77-2	650	677	560	629	9.72	cps
Selenium	78-2	820	763	780	788	3.70	cps
Silicon	28-1	52054461	52352149	52170743	52192451	0.29	cps
Silver	107-1	179908	183769	185132	182936	1.48	cps
Silver	109-1	170616	173853	171684	172051	0.96	cps
Sodium	23-2	1677507	1649388	1657871	1661589	0.87	cps
Strontium	86-1	848076	868973	877923	864991	1.77	cps
Strontium	88-1	7521071	7760115	7743860	7675015	1.74	cps
Sulfur	34-1	454919	455597	450426	453647	0.62	cps
Terbium	159-1	10071814	10054858	10200699	10109124	0.79	cps
Terbium	159-2	6835767	6936073	6845456	6872432	0.81	cps
Thallium	203-1	7986	8343	8313	8214	2.41	cps
Thallium	205-1	19921	20299	19801	20007	1.30	cps
Tin	118-1	195013	193945	197723	195560	1.00	cps
Titanium	47-1	1778086	1832912	1856235	1822411	2.20	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:35:17	DataFile Name :	096SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	262027	267709	273257	267664	2.10	cps
Vanadium	51-2	1121990	1115216	1116195	1117800	0.33	cps
Yttrium	89-1	14198080	14468579	14720396	14462352	1.81	cps
Yttrium	89-2	3333042	3379372	3380334	3364249	0.80	cps
Zinc	66-2	1128010	1134031	1129701	1130581	0.27	cps
Zirconium	90-1	598643	611275	615512	608476	1.44	cps
Zirconium	91-1	134530	136501	139018	136683	1.65	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:38:18	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3140869	3148822	3106838	3132176	0.71	cps
Antimony	121-1	4031	4071	4267	4123	3.07	cps
Arsenic	75-2	4437	4671	4667	4592	2.91	cps
Barium	135-1	247013	245617	248939	247190	0.67	cps
Barium	137-1	427422	426000	426421	426615	0.17	cps
Beryllium	9-1	2364	2320	2497	2394	3.85	cps
Bismuth	209-1	5665422	5613080	5754123	5677541	1.26	cps
Bismuth	209-2	4873879	4826324	4759142	4819782	1.20	cps
Bromine	81-1	14287	15418	14894	14866	3.81	cps
Bromine	81-2	1317	1247	1310	1291	2.99	cps
Cadmium	108-1	533	473	553	520	8.01	cps
Cadmium	106-1	3354	3274	3274	3300	1.40	cps
Cadmium	111-1	7565	7952	7806	7774	2.51	cps
Calcium	43-1	285472	284384	292205	287354	1.47	cps
Calcium	44-1	4329922	4401892	4505850	4412555	2.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	215042	215614	214745	215134	0.21	cps
Cobalt	59-2	234135	234435	233263	233944	0.26	cps
Copper	63-2	835167	827137	820691	827665	0.88	cps
Dysprosium	156-1	48239	48667	47931	48279	0.77	cps
Dysprosium	156-2	38630	39128	38439	38732	0.92	cps
Erbium	164-1	42090	42692	42555	42445	0.74	cps
Erbium	164-2	29020	28579	29294	28964	1.25	cps
Gadolinium	160-1	46109	45962	46219	46097	0.28	cps
Gadolinium	160-2	33113	32675	33042	32943	0.71	cps
Holmium	165-1	9781587	9653141	9571818	9668849	1.09	cps
Holmium	165-2	6641606	6662118	6550714	6618146	0.90	cps
Indium	115-1	8408294	8431309	8487955	8442519	0.49	cps
Indium	115-2	2641105	2716935	2619946	2659329	1.92	cps
Iron	56-2	104393342	103088555	103604322	103695406	0.63	cps
Iron	57-2	2592013	2587352	2589131	2589499	0.09	cps
Iron	54-2	5783617	5641832	5619180	5681543	1.57	cps
Krypton	83-1	230	233	243	236	2.95	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:38:18	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1195347	1204259	1214229	1204612	0.78	cps
Lead	207-1	1012011	1017463	1018677	1016051	0.35	cps
Lead	208-1	4957476	5012180	5019624	4996426	0.68	cps
Lithium	6-1	1641396	1689201	1695105	1675234	1.76	cps
Magnesium	24-2	1506243	1514897	1508038	1509726	0.30	cps
Manganese	55-2	1257861	1232218	1244835	1244971	1.03	cps
Molybdenum	94-1	51444	50627	51403	51158	0.90	cps
Molybdenum	95-1	11603	10574	10644	10940	5.25	cps
Molybdenum	96-1	21392	20431	20007	20610	3.44	cps
Molybdenum	97-1	7249	6421	6668	6780	6.27	cps
Molybdenum	98-1	18119	16229	16913	17087	5.60	cps
Neodymium	150-1	75866	77287	75795	76316	1.10	cps
Neodymium	150-2	42959	43219	43550	43243	0.69	cps
Nickel	60-2	120550	121047	118819	120139	0.97	cps
Phosphorus	31-2	10113	10237	10180	10177	0.61	cps
Potassium	39-2	451982	455008	454802	453931	0.37	cps
Rhodium	103-1	7795664	7746608	7890636	7810969	0.94	cps
Rhodium	103-2	4461781	4541699	4411023	4471501	1.47	cps
Scandium	45-1	5375055	5333644	5467492	5392064	1.27	cps
Scandium	45-2	380540	377017	377039	378199	0.54	cps
Selenium	82-1	519	540	547	535	2.65	cps
Selenium	77-2	110	103	107	107	3.13	cps
Selenium	78-2	320	350	370	347	7.26	cps
Silicon	28-1	10734579	10459047	10675919	10623182	1.37	cps
Silver	107-1	37221	37926	37378	37508	0.99	cps
Silver	109-1	35129	34718	36015	35287	1.88	cps
Sodium	23-2	355366	351475	351764	352868	0.61	cps
Strontium	86-1	175394	175496	176458	175783	0.33	cps
Strontium	88-1	1523993	1550630	1568364	1547663	1.44	cps
Sulfur	34-1	210060	211358	214947	212122	1.19	cps
Terbium	159-1	10030786	10060491	10021529	10037602	0.20	cps
Terbium	159-2	6659920	6722504	6591816	6658080	0.98	cps
Thallium	203-1	1747	1697	1680	1708	2.03	cps
Thallium	205-1	4167	4241	4074	4161	2.01	cps
Tin	118-1	37532	37088	37332	37317	0.60	cps
Titanium	47-1	360103	362993	369100	364066	1.26	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-02DLX5	Instrumnet Name :	P7
Client Sample ID :	S-904-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:38:18	DataFile Name :	097SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	52637	53122	53189	52983	0.57	cps
Vanadium	51-2	221987	220174	220303	220821	0.46	cps
Yttrium	89-1	11659842	11817450	11940807	11806033	1.19	cps
Yttrium	89-2	2713973	2795842	2735312	2748376	1.55	cps
Zinc	66-2	237937	234641	232377	234985	1.19	cps
Zirconium	90-1	120886	124248	121068	122067	1.55	cps
Zirconium	91-1	26354	27105	27005	26821	1.52	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:41:26	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4106998	4158311	4174584	4146631	0.85	cps
Antimony	121-1	21179	22181	21566	21642	2.33	cps
Arsenic	75-2	6955	7108	7112	7058	1.27	cps
Barium	135-1	802872	814871	825405	814382	1.38	cps
Barium	137-1	1397641	1408020	1426698	1410786	1.04	cps
Beryllium	9-1	3734	3660	3770	3722	1.51	cps
Bismuth	209-1	5574952	5542444	5499113	5538836	0.69	cps
Bismuth	209-2	4708195	4840684	4804159	4784346	1.43	cps
Bromine	81-1	71329	86481	96818	84876	15.10	cps
Bromine	81-2	15999	16463	16212	16225	1.43	cps
Cadmium	108-1	320	317	293	310	4.69	cps
Cadmium	106-1	3080	2977	3027	3028	1.71	cps
Cadmium	111-1	5973	5869	6248	6030	3.24	cps
Calcium	43-1	332403	337410	339681	336498	1.11	cps
Calcium	44-1	5023639	5054666	5141037	5073114	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	173867	175345	174616	174610	0.42	cps
Cobalt	59-2	20668	20414	20297	20460	0.93	cps
Copper	63-2	416260	420438	417997	418231	0.50	cps
Dysprosium	156-1	63238	64089	64206	63844	0.83	cps
Dysprosium	156-2	53391	53976	54773	54047	1.28	cps
Erbium	164-1	52461	53154	53649	53088	1.12	cps
Erbium	164-2	36915	36755	37403	37025	0.91	cps
Gadolinium	160-1	60503	62295	60540	61113	1.68	cps
Gadolinium	160-2	44444	44691	45627	44921	1.39	cps
Holmium	165-1	9493164	9451588	9541260	9495337	0.47	cps
Holmium	165-2	6696775	6688330	6640825	6675310	0.45	cps
Indium	115-1	8230726	8136571	8212206	8193168	0.61	cps
Indium	115-2	2616950	2651151	2641695	2636599	0.67	cps
Iron	56-2	38714776	39382205	39356655	39151212	0.97	cps
Iron	57-2	1016675	1022801	1024953	1021476	0.42	cps
Iron	54-2	2170058	2196377	2155895	2174110	0.94	cps
Krypton	83-1	283	297	237	272	11.57	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:41:26	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1378796	1393211	1395038	1389015	0.64	cps
Lead	207-1	1152031	1170385	1176125	1166180	1.08	cps
Lead	208-1	5727721	5807803	5783348	5772957	0.71	cps
Lithium	6-1	1554473	1676730	1617535	1616246	3.78	cps
Magnesium	24-2	650064	642484	647442	646663	0.60	cps
Manganese	55-2	2979725	3006593	2999071	2995130	0.46	cps
Molybdenum	94-1	18328	19309	20000	19213	4.37	cps
Molybdenum	95-1	11301	11178	11578	11352	1.81	cps
Molybdenum	96-1	14851	14894	14814	14853	0.27	cps
Molybdenum	97-1	6825	7068	7289	7061	3.28	cps
Molybdenum	98-1	17260	18395	18155	17937	3.33	cps
Neodymium	150-1	114420	115639	117858	115972	1.50	cps
Neodymium	150-2	67256	67266	67085	67203	0.15	cps
Nickel	60-2	39322	39833	39382	39512	0.71	cps
Phosphorus	31-2	15878	15608	15845	15777	0.93	cps
Potassium	39-2	310340	309782	311122	310415	0.22	cps
Rhodium	103-1	7595248	7715168	7540473	7616963	1.17	cps
Rhodium	103-2	4456360	4399725	4420849	4425644	0.65	cps
Scandium	45-1	5216291	5145072	5367881	5243081	2.17	cps
Scandium	45-2	372836	371981	373817	372878	0.25	cps
Selenium	82-1	1222	1228	1367	1272	6.46	cps
Selenium	77-2	247	197	277	240	16.84	cps
Selenium	78-2	453	580	567	533	13.05	cps
Silicon	28-1	21930286	22256266	22971635	22386062	2.38	cps
Silver	107-1	41274	38488	38301	39354	4.23	cps
Silver	109-1	35280	36352	36703	36112	2.05	cps
Sodium	23-2	1630500	1662343	1651341	1648061	0.98	cps
Strontium	86-1	288762	293331	293506	291866	0.92	cps
Strontium	88-1	2564411	2570349	2613964	2582908	1.05	cps
Sulfur	34-1	311322	315491	312382	313065	0.69	cps
Terbium	159-1	9972709	9809199	9939267	9907058	0.87	cps
Terbium	159-2	6693043	6752190	6593750	6679661	1.20	cps
Thallium	203-1	1790	1790	1937	1839	4.60	cps
Thallium	205-1	4531	4337	4381	4416	2.30	cps
Tin	118-1	67112	69305	69446	68621	1.91	cps
Titanium	47-1	519868	533905	537771	530515	1.78	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:41:26	DataFile Name :	098SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	92519	94425	96010	94318	1.85	cps
Vanadium	51-2	115213	116472	113989	115225	1.08	cps
Yttrium	89-1	11700679	11727202	11987643	11805175	1.34	cps
Yttrium	89-2	2792076	2801124	2766759	2786653	0.64	cps
Zinc	66-2	121337	121459	122686	121827	0.61	cps
Zirconium	90-1	33989	34113	35727	34610	2.80	cps
Zirconium	91-1	7809	8209	7919	7979	2.59	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:44:38	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	828173	823518	817293	822994	0.66	cps
Antimony	121-1	4404	4234	4344	4327	1.99	cps
Arsenic	75-2	1393	1517	1347	1419	6.19	cps
Barium	135-1	158317	160565	160504	159795	0.80	cps
Barium	137-1	273584	276921	274851	275119	0.61	cps
Beryllium	9-1	847	783	683	771	10.68	cps
Bismuth	209-1	5717077	5761386	5737660	5738708	0.39	cps
Bismuth	209-2	4813358	4845075	4872339	4843591	0.61	cps
Bromine	81-1	29025	30031	29707	29587	1.73	cps
Bromine	81-2	3804	3617	3761	3727	2.62	cps
Cadmium	108-1	57	80	93	77	24.20	cps
Cadmium	106-1	2410	2540	2267	2406	5.68	cps
Cadmium	111-1	2458	2572	2298	2443	5.63	cps
Calcium	43-1	65263	66391	65099	65584	1.07	cps
Calcium	44-1	1045533	1076597	1055385	1059172	1.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33574	34473	33307	33785	1.81	cps
Cobalt	59-2	4194	4054	4051	4099	2.00	cps
Copper	63-2	82221	81283	81631	81712	0.58	cps
Dysprosium	156-1	12319	12225	11882	12142	1.90	cps
Dysprosium	156-2	10344	10084	10354	10260	1.49	cps
Erbium	164-1	10324	10601	10461	10462	1.32	cps
Erbium	164-2	7432	7209	7305	7315	1.53	cps
Gadolinium	160-1	11959	11979	11155	11697	4.02	cps
Gadolinium	160-2	8826	8556	8576	8653	1.74	cps
Holmium	165-1	9772056	9717345	9588498	9692633	0.97	cps
Holmium	165-2	6635201	6678665	6645323	6653063	0.34	cps
Indium	115-1	8457331	8344116	8433863	8411770	0.71	cps
Indium	115-2	2655770	2663275	2658616	2659220	0.14	cps
Iron	56-2	7582878	7517708	7538486	7546357	0.44	cps
Iron	57-2	200054	197377	199250	198893	0.69	cps
Iron	54-2	436592	429486	432873	432984	0.82	cps
Krypton	83-1	187	250	190	209	17.06	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:44:38	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	272524	270535	271381	271480	0.37	cps
Lead	207-1	226929	227426	227796	227384	0.19	cps
Lead	208-1	1052041	1056792	1048770	1052534	0.38	cps
Lithium	6-1	1691033	1656631	1648563	1665409	1.35	cps
Magnesium	24-2	126804	124885	124129	125273	1.10	cps
Manganese	55-2	580258	577445	574907	577536	0.46	cps
Molybdenum	94-1	4004	3994	3911	3969	1.29	cps
Molybdenum	95-1	2260	2277	2410	2316	3.55	cps
Molybdenum	96-1	2974	3134	2980	3029	2.99	cps
Molybdenum	97-1	1393	1383	1343	1373	1.93	cps
Molybdenum	98-1	3547	3791	3417	3585	5.29	cps
Neodymium	150-1	23062	23263	22334	22886	2.13	cps
Neodymium	150-2	12999	12903	12566	12823	1.78	cps
Nickel	60-2	7669	7572	8026	7755	3.08	cps
Phosphorus	31-2	3064	3127	3004	3065	2.01	cps
Potassium	39-2	96232	96772	94417	95807	1.29	cps
Rhodium	103-1	7974799	7941990	7761224	7892671	1.46	cps
Rhodium	103-2	4526066	4619160	4383162	4509463	2.64	cps
Scandium	45-1	5262635	5150649	5292289	5235191	1.43	cps
Scandium	45-2	373136	370175	366701	370004	0.87	cps
Selenium	82-1	474	493	498	488	2.60	cps
Selenium	77-2	43	67	43	51	26.37	cps
Selenium	78-2	270	270	273	271	0.71	cps
Silicon	28-1	4642522	4807439	4648855	4699605	1.99	cps
Silver	107-1	7736	7529	7335	7533	2.66	cps
Silver	109-1	8312	7409	8114	7945	5.98	cps
Sodium	23-2	346898	339431	341790	342706	1.11	cps
Strontium	86-1	56337	57040	57535	56971	1.06	cps
Strontium	88-1	491918	500976	490165	494353	1.17	cps
Sulfur	34-1	173014	173189	172046	172750	0.36	cps
Terbium	159-1	10131975	9900568	10087361	10039968	1.22	cps
Terbium	159-2	6568833	6657085	6682565	6636161	0.90	cps
Thallium	203-1	443	383	403	410	7.45	cps
Thallium	205-1	920	897	983	933	4.80	cps
Tin	118-1	13156	13156	13490	13267	1.45	cps
Titanium	47-1	103357	102649	105542	103849	1.45	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-03DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 21:44:38	DataFile Name :	099SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17612	18082	18236	17977	1.81	cps
Vanadium	51-2	22407	21392	22100	21966	2.37	cps
Yttrium	89-1	11429951	11535719	11314680	11426783	0.97	cps
Yttrium	89-2	2584796	2565381	2566391	2572189	0.42	cps
Zinc	66-2	24504	24610	24447	24520	0.34	cps
Zirconium	90-1	7002	7218	7135	7118	1.54	cps
Zirconium	91-1	1623	1700	1650	1658	2.35	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:47:52	DataFile Name :	100CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5665061	5816493	5770450	5750668	1.35	cps
Antimony	121-1	3285274	3344020	3347008	3325434	1.05	cps
Arsenic	75-2	158089	159793	157014	158298	0.89	cps
Barium	135-1	3939210	4072791	3952291	3988097	1.85	cps
Barium	137-1	6725788	6949099	6905303	6860064	1.72	cps
Beryllium	9-1	624462	653338	655467	644422	2.69	cps
Bismuth	209-1	5210700	5315281	5417385	5314455	1.94	cps
Bismuth	209-2	4518306	4519222	4555476	4531001	0.47	cps
Bromine	81-1	10827	10327	10214	10456	3.12	cps
Bromine	81-2	403	360	353	372	7.29	cps
Cadmium	108-1	56536	56456	56252	56415	0.26	cps
Cadmium	106-1	84005	83649	83247	83633	0.45	cps
Cadmium	111-1	765987	772752	766930	768556	0.48	cps
Calcium	43-1	4888572	4836958	4864204	4863245	0.53	cps
Calcium	44-1	76267034	77333584	77422309	77007642	0.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1148228	1150669	1147669	1148855	0.14	cps
Cobalt	59-2	1717672	1750503	1761024	1743066	1.30	cps
Copper	63-2	11904216	11775836	11556677	11745576	1.50	cps
Dysprosium	156-1	237	250	300	262	12.73	cps
Dysprosium	156-2	323	303	313	313	3.19	cps
Erbium	164-1	223	220	240	228	4.70	cps
Erbium	164-2	173	140	150	154	11.08	cps
Gadolinium	160-1	170	220	183	191	13.55	cps
Gadolinium	160-2	443	453	397	431	7.02	cps
Holmium	165-1	9545149	9609773	9731261	9628728	0.98	cps
Holmium	165-2	6636840	6745290	6676358	6686163	0.82	cps
Indium	115-1	7961487	8034565	7819739	7938597	1.38	cps
Indium	115-2	2524720	2478186	2476468	2493125	1.10	cps
Iron	56-2	242801163	243238490	239062410	241700688	0.95	cps
Iron	57-2	6077984	6121501	6120704	6106730	0.41	cps
Iron	54-2	13140518	13237287	13401907	13259904	1.00	cps
Krypton	83-1	190	167	233	197	17.20	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:47:52	DataFile Name :	100CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10142111	10351607	10366814	10286844	1.22	cps
Lead	207-1	8952683	9181116	9086943	9073581	1.27	cps
Lead	208-1	40096824	41442818	41683580	41074407	2.08	cps
Lithium	6-1	1691344	1740307	1704512	1712054	1.48	cps
Magnesium	24-2	51209684	50872773	50601991	50894816	0.60	cps
Manganese	55-2	8063687	8064600	7823407	7983898	1.74	cps
Molybdenum	94-1	12254492	12199398	11905077	12119656	1.55	cps
Molybdenum	95-1	17928562	17798376	17688858	17805265	0.67	cps
Molybdenum	96-1	19529886	19481716	19592202	19534602	0.28	cps
Molybdenum	97-1	11013650	11171254	10934462	11039789	1.09	cps
Molybdenum	98-1	28581355	28508849	27613688	28234630	1.91	cps
Neodymium	150-1	300	413	317	343	17.82	cps
Neodymium	150-2	140	123	117	127	9.49	cps
Nickel	60-2	433536	434311	432218	433355	0.24	cps
Phosphorus	31-2	65372	66306	66581	66086	0.96	cps
Potassium	39-2	30538245	29956230	30050406	30181627	1.04	cps
Rhodium	103-1	7180730	7134130	7022649	7112503	1.14	cps
Rhodium	103-2	4122759	4068563	4050772	4080698	0.92	cps
Scandium	45-1	5135584	5313464	5190351	5213133	1.75	cps
Scandium	45-2	360769	357213	357967	358650	0.52	cps
Selenium	82-1	51885	52206	51455	51849	0.73	cps
Selenium	77-2	4251	4364	4341	4318	1.39	cps
Selenium	78-2	14687	14260	14554	14501	1.51	cps
Silicon	28-1	32390278	32675625	32660293	32575398	0.49	cps
Silver	107-1	3875754	3790741	3750261	3805585	1.68	cps
Silver	109-1	3689292	3643646	3645716	3659551	0.70	cps
Sodium	23-2	81122664	81786217	80777720	81228867	0.63	cps
Strontium	86-1	26118406	26051775	26100977	26090386	0.13	cps
Strontium	88-1	230280463	225155777	228062157	227832799	1.13	cps
Sulfur	34-1	470244	474961	480341	475182	1.06	cps
Terbium	159-1	9857136	9857624	10160366	9958376	1.76	cps
Terbium	159-2	6496335	6449768	6475267	6473790	0.36	cps
Thallium	203-1	2594592	2640856	2674735	2636728	1.53	cps
Thallium	205-1	6026490	6308104	6337546	6224047	2.76	cps
Tin	118-1	2581014	2615088	2642332	2612811	1.18	cps
Titanium	47-1	4935635	5030348	5020317	4995434	1.04	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV07	Instrumnet Name :	P7
Client Sample ID :	CCV07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:47:52	DataFile Name :	100CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7842950	8160402	8061986	8021779	2.03	cps
Vanadium	51-2	1031200	1027414	1026724	1028446	0.23	cps
Yttrium	89-1	11089419	10916259	11150780	11052153	1.10	cps
Yttrium	89-2	2528196	2514420	2472557	2505058	1.16	cps
Zinc	66-2	2045132	2029471	1993646	2022750	1.30	cps
Zirconium	90-1	5799590	5753000	5708258	5753616	0.79	cps
Zirconium	91-1	1286462	1299262	1301890	1295871	0.64	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:55:17	DataFile Name :	101CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	280	330	373	328	14.25	cps
Antimony	121-1	773	1023	973	923	14.33	cps
Arsenic	75-2	3	13	17	11	62.48	cps
Barium	135-1	83	97	70	83	16.00	cps
Barium	137-1	150	173	130	151	14.35	cps
Beryllium	9-1	113	143	87	114	24.77	cps
Bismuth	209-1	5714184	5678263	5790002	5727483	1.00	cps
Bismuth	209-2	4747238	4910841	4752254	4803444	1.94	cps
Bromine	81-1	7612	8079	7869	7853	2.98	cps
Bromine	81-2	100	143	120	121	17.91	cps
Cadmium	108-1	7	17	13	12	41.65	cps
Cadmium	106-1	2150	2180	2367	2232	5.26	cps
Cadmium	111-1	1514	1551	1661	1575	4.85	cps
Calcium	43-1	407	320	380	369	12.03	cps
Calcium	44-1	11158	10874	10564	10866	2.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	523	527	567	539	4.47	cps
Cobalt	59-2	83	93	90	89	5.73	cps
Copper	63-2	1087	1043	1253	1128	9.83	cps
Dysprosium	156-1	27	33	33	31	12.36	cps
Dysprosium	156-2	0	13	0	4	173.21	cps
Erbium	164-1	73	80	77	77	4.35	cps
Erbium	164-2	33	33	40	36	10.83	cps
Gadolinium	160-1	50	37	27	38	30.98	cps
Gadolinium	160-2	277	310	303	297	5.95	cps
Holmium	165-1	9652664	9645820	9525114	9607866	0.75	cps
Holmium	165-2	6652072	6683507	6453569	6596382	1.89	cps
Indium	115-1	8292492	8536011	8247852	8358785	1.86	cps
Indium	115-2	2655530	2652210	2612891	2640210	0.90	cps
Iron	56-2	14837	16082	17163	16028	7.26	cps
Iron	57-2	1417	1640	1620	1559	7.93	cps
Iron	54-2	1517	1597	1807	1640	9.13	cps
Krypton	83-1	167	240	233	213	19.01	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:55:17	DataFile Name :	101CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	510	470	457	479	5.80	cps
Lead	207-1	437	423	410	423	3.15	cps
Lead	208-1	1963	1830	1930	1908	3.64	cps
Lithium	6-1	1596825	1638803	1636896	1624175	1.46	cps
Magnesium	24-2	1390	1543	1750	1561	11.57	cps
Manganese	55-2	490	423	513	476	9.82	cps
Molybdenum	94-1	463	387	500	450	12.85	cps
Molybdenum	95-1	343	307	397	349	12.97	cps
Molybdenum	96-1	433	413	450	432	4.25	cps
Molybdenum	97-1	247	213	273	244	12.30	cps
Molybdenum	98-1	540	560	593	564	4.77	cps
Neodymium	150-1	10	3	13	9	57.30	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	173	133	137	148	15.02	cps
Phosphorus	31-2	93	123	117	111	14.17	cps
Potassium	39-2	45618	46404	45675	45899	0.95	cps
Rhodium	103-1	7906198	7944797	7808578	7886524	0.89	cps
Rhodium	103-2	4506556	4478537	4402812	4462635	1.20	cps
Scandium	45-1	5256792	5302884	5119973	5226549	1.82	cps
Scandium	45-2	368058	371291	362921	367423	1.15	cps
Selenium	82-1	295	313	285	298	4.75	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	193	193	187	191	2.01	cps
Silicon	28-1	293705	292890	295441	294012	0.44	cps
Silver	107-1	227	170	210	202	14.40	cps
Silver	109-1	163	153	113	143	18.46	cps
Sodium	23-2	17847	17807	17737	17797	0.31	cps
Strontium	86-1	673	490	637	600	16.17	cps
Strontium	88-1	2274	2157	2267	2232	2.94	cps
Sulfur	34-1	189441	188626	189388	189152	0.24	cps
Terbium	159-1	10127300	9894897	9908022	9976740	1.31	cps
Terbium	159-2	6685964	6597806	6553229	6612333	1.02	cps
Thallium	203-1	63	53	57	58	8.81	cps
Thallium	205-1	143	133	200	159	22.62	cps
Tin	118-1	977	1010	1173	1053	9.99	cps
Titanium	47-1	183	170	193	182	6.43	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB07	Instrumnet Name :	P7
Client Sample ID :	CCB07	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 21:55:17	DataFile Name :	101CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	93	103	83	93	10.72	cps
Vanadium	51-2	40	30	7	26	66.92	cps
Yttrium	89-1	11215564	11343942	10878276	11145927	2.16	cps
Yttrium	89-2	2579971	2555893	2497140	2544335	1.67	cps
Zinc	66-2	793	817	787	799	1.97	cps
Zirconium	90-1	643	790	840	758	13.49	cps
Zirconium	91-1	140	163	203	169	18.97	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:00:21	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6399929	6426974	6366279	6397727	0.48	cps
Antimony	121-1	87119	87850	89775	88248	1.55	cps
Arsenic	75-2	28107	28060	28284	28150	0.42	cps
Barium	135-1	2030386	2090786	2077678	2066283	1.54	cps
Barium	137-1	3507991	3501340	3569991	3526441	1.07	cps
Beryllium	9-1	5928	6171	6205	6101	2.48	cps
Bismuth	209-1	5578428	5589874	5602403	5590235	0.21	cps
Bismuth	209-2	4796479	4821932	4789174	4802529	0.36	cps
Bromine	81-1	70500	77515	80732	76249	6.86	cps
Bromine	81-2	12562	12782	12312	12552	1.88	cps
Cadmium	108-1	1090	993	1090	1058	5.28	cps
Cadmium	106-1	3931	4421	4401	4251	6.53	cps
Cadmium	111-1	13366	13944	14066	13792	2.71	cps
Calcium	43-1	590060	592224	597709	593331	0.66	cps
Calcium	44-1	9005851	9064908	9135258	9068672	0.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	313521	309799	310263	311194	0.65	cps
Cobalt	59-2	182759	183889	184191	183613	0.41	cps
Copper	63-2	1126907	1127506	1128925	1127779	0.09	cps
Dysprosium	156-1	153209	154826	158508	155514	1.75	cps
Dysprosium	156-2	125677	127416	126097	126396	0.72	cps
Erbium	164-1	159426	159732	163092	160750	1.27	cps
Erbium	164-2	112045	111121	112035	111734	0.47	cps
Gadolinium	160-1	160539	165863	167681	164694	2.25	cps
Gadolinium	160-2	120416	121652	122204	121424	0.75	cps
Holmium	165-1	9630513	9800879	9563488	9664960	1.27	cps
Holmium	165-2	6796856	6738637	6859458	6798317	0.89	cps
Indium	115-1	8244200	8267599	8346179	8285992	0.64	cps
Indium	115-2	2657115	2710097	2733078	2700097	1.44	cps
Iron	56-2	193906904	196569870	195716637	195397804	0.70	cps
Iron	57-2	4865325	4836466	4754475	4818755	1.19	cps
Iron	54-2	10459242	10518101	10662989	10546777	0.99	cps
Krypton	83-1	397	410	387	398	2.94	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:00:21	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5564746	5710802	5728725	5668091	1.59	cps
Lead	207-1	4787615	4899187	4944836	4877212	1.66	cps
Lead	208-1	21944732	22281111	22513487	22246443	1.29	cps
Lithium	6-1	1595379	1648317	1658613	1634103	2.08	cps
Magnesium	24-2	1785371	1757952	1761036	1768120	0.85	cps
Manganese	55-2	33167519	33528941	33914673	33537044	1.11	cps
Molybdenum	94-1	82501	83657	84978	83712	1.48	cps
Molybdenum	95-1	49738	50878	50346	50321	1.13	cps
Molybdenum	96-1	64046	64401	66232	64893	1.81	cps
Molybdenum	97-1	30889	30829	30442	30720	0.79	cps
Molybdenum	98-1	76559	78530	79076	78055	1.70	cps
Neodymium	150-1	231404	234693	240015	235371	1.85	cps
Neodymium	150-2	136558	136292	137416	136755	0.43	cps
Nickel	60-2	96595	96388	96770	96584	0.20	cps
Phosphorus	31-2	46193	45514	45832	45846	0.74	cps
Potassium	39-2	757552	758551	762292	759465	0.33	cps
Rhodium	103-1	7665516	7906637	7762188	7778113	1.56	cps
Rhodium	103-2	4374512	4509100	4509240	4464284	1.74	cps
Scandium	45-1	5402523	5450493	5488695	5447237	0.79	cps
Scandium	45-2	385206	386228	390500	387311	0.73	cps
Selenium	82-1	1938	2058	2046	2014	3.28	cps
Selenium	77-2	537	520	517	524	2.04	cps
Selenium	78-2	943	840	917	900	5.96	cps
Silicon	28-1	33996679	33713855	34333432	34014655	0.91	cps
Silver	107-1	212299	219831	220103	217411	2.04	cps
Silver	109-1	200497	208261	210710	206489	2.58	cps
Sodium	23-2	1978594	1983832	1987776	1983401	0.23	cps
Strontium	86-1	506195	517909	520031	514712	1.45	cps
Strontium	88-1	4449988	4598380	4560133	4536167	1.70	cps
Sulfur	34-1	503045	504875	500933	502951	0.39	cps
Terbium	159-1	9871970	10009324	10343911	10075068	2.41	cps
Terbium	159-2	6769897	6730240	6868176	6789438	1.05	cps
Thallium	203-1	7462	7509	7365	7445	0.98	cps
Thallium	205-1	17238	17505	17421	17388	0.79	cps
Tin	118-1	113413	116719	119326	116486	2.54	cps
Titanium	47-1	975572	996742	996420	989578	1.23	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:00:21	DataFile Name :	102SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	94704	95120	96889	95571	1.21	cps
Vanadium	51-2	484397	488601	489418	487472	0.55	cps
Yttrium	89-1	14173383	14140680	14570548	14294870	1.67	cps
Yttrium	89-2	3275822	3339351	3321924	3312365	0.99	cps
Zinc	66-2	396324	394447	395598	395456	0.24	cps
Zirconium	90-1	152183	153402	155474	153686	1.08	cps
Zirconium	91-1	34167	34781	34658	34535	0.94	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:03:24	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1255193	1244371	1222960	1240841	1.32	cps
Antimony	121-1	17394	17654	17270	17440	1.12	cps
Arsenic	75-2	5134	5348	5291	5258	2.10	cps
Barium	135-1	383175	380545	380911	381543	0.37	cps
Barium	137-1	661890	664947	656718	661185	0.63	cps
Beryllium	9-1	1243	1153	1137	1178	4.87	cps
Bismuth	209-1	5797703	5744382	5677305	5739797	1.05	cps
Bismuth	209-2	4834440	4849903	4846803	4843715	0.17	cps
Bromine	81-1	23145	23916	23733	23598	1.71	cps
Bromine	81-2	2690	2800	2414	2635	7.56	cps
Cadmium	108-1	247	197	233	226	11.48	cps
Cadmium	106-1	3110	2697	2817	2875	7.40	cps
Cadmium	111-1	4438	4024	4162	4208	5.01	cps
Calcium	43-1	116171	118217	117313	117233	0.87	cps
Calcium	44-1	1782894	1770534	1799266	1784231	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	60450	60568	59219	60079	1.24	cps
Cobalt	59-2	35382	35656	35642	35560	0.43	cps
Copper	63-2	223722	221211	219826	221587	0.89	cps
Dysprosium	156-1	30483	30740	30694	30639	0.45	cps
Dysprosium	156-2	24231	24301	24648	24394	0.92	cps
Erbium	164-1	31218	31272	31542	31344	0.55	cps
Erbium	164-2	21650	22058	21527	21745	1.28	cps
Gadolinium	160-1	31987	32778	32277	32347	1.24	cps
Gadolinium	160-2	23413	23690	23530	23544	0.59	cps
Holmium	165-1	9771637	9884604	9627253	9761165	1.32	cps
Holmium	165-2	6757414	6777773	6583102	6706096	1.60	cps
Indium	115-1	8409057	8473670	8325240	8402656	0.89	cps
Indium	115-2	2687518	2674269	2724372	2695386	0.96	cps
Iron	56-2	37573420	38082447	37761354	37805741	0.68	cps
Iron	57-2	966544	975014	971432	970996	0.44	cps
Iron	54-2	2074718	1989723	2073075	2045839	2.38	cps
Krypton	83-1	250	220	240	237	6.45	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:03:24	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1008870	1010051	1013989	1010970	0.27	cps
Lead	207-1	849455	856096	853102	852884	0.39	cps
Lead	208-1	4173114	4221786	4197689	4197530	0.58	cps
Lithium	6-1	1631271	1618521	1596504	1615432	1.09	cps
Magnesium	24-2	356701	354030	355318	355350	0.38	cps
Manganese	55-2	6503992	6372778	6491116	6455962	1.12	cps
Molybdenum	94-1	16933	16957	16820	16903	0.43	cps
Molybdenum	95-1	9827	9860	10110	9932	1.56	cps
Molybdenum	96-1	13029	12896	12742	12889	1.11	cps
Molybdenum	97-1	6061	6221	6065	6116	1.50	cps
Molybdenum	98-1	15268	15578	15792	15546	1.69	cps
Neodymium	150-1	47255	47881	47102	47413	0.87	cps
Neodymium	150-2	26966	26388	26235	26529	1.45	cps
Nickel	60-2	19319	18922	18969	19070	1.14	cps
Phosphorus	31-2	8726	8859	8773	8786	0.77	cps
Potassium	39-2	184672	182476	183765	183638	0.60	cps
Rhodium	103-1	8034136	8088806	7835930	7986291	1.67	cps
Rhodium	103-2	4535119	4504363	4547173	4528885	0.49	cps
Scandium	45-1	5398571	5354497	5329202	5360757	0.65	cps
Scandium	45-2	378528	372677	375194	375466	0.78	cps
Selenium	82-1	582	683	712	659	10.33	cps
Selenium	77-2	60	87	103	83	26.23	cps
Selenium	78-2	397	403	373	391	4.03	cps
Silicon	28-1	7059414	6977622	7241462	7092833	1.90	cps
Silver	107-1	43542	44882	44114	44179	1.52	cps
Silver	109-1	41663	42770	41730	42054	1.48	cps
Sodium	23-2	411991	409234	414563	411929	0.65	cps
Strontium	86-1	101121	100611	101960	101231	0.67	cps
Strontium	88-1	883166	881899	878057	881041	0.30	cps
Sulfur	34-1	220137	221023	219119	220093	0.43	cps
Terbium	159-1	10241802	9792900	10035743	10023482	2.24	cps
Terbium	159-2	6778779	6683955	6832650	6765128	1.11	cps
Thallium	203-1	1393	1443	1447	1428	2.09	cps
Thallium	205-1	3664	3644	3400	3569	4.11	cps
Tin	118-1	22598	22398	22214	22403	0.86	cps
Titanium	47-1	191898	196150	192925	193658	1.15	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-04DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:03:24	DataFile Name :	103SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18610	18596	18563	18590	0.13	cps
Vanadium	51-2	94259	92800	92833	93297	0.89	cps
Yttrium	89-1	11865215	11981383	11812233	11886277	0.73	cps
Yttrium	89-2	2710860	2699660	2742388	2717636	0.82	cps
Zinc	66-2	78435	77737	78063	78078	0.45	cps
Zirconium	90-1	29941	30508	29523	29991	1.65	cps
Zirconium	91-1	6542	6675	6852	6689	2.33	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:06:38	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5761245	5677848	5824759	5754617	1.28	cps
Antimony	121-1	84942	85972	87719	86211	1.63	cps
Arsenic	75-2	26410	26083	26343	26279	0.66	cps
Barium	135-1	1601306	1634528	1641752	1625862	1.33	cps
Barium	137-1	2758075	2742727	2823079	2774627	1.54	cps
Beryllium	9-1	5038	5231	5334	5201	2.90	cps
Bismuth	209-1	5752187	6117396	5576659	5815414	4.74	cps
Bismuth	209-2	4864659	4709298	4814502	4796153	1.65	cps
Bromine	81-1	79633	85395	90351	85126	6.30	cps
Bromine	81-2	13500	13443	13366	13436	0.50	cps
Cadmium	108-1	730	807	853	797	7.82	cps
Cadmium	106-1	4031	3931	3891	3951	1.83	cps
Cadmium	111-1	10956	11080	11179	11072	1.01	cps
Calcium	43-1	520765	514238	524375	519793	0.99	cps
Calcium	44-1	7814526	7920942	7785457	7840309	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	267106	265195	264279	265527	0.54	cps
Cobalt	59-2	109503	109019	109325	109282	0.22	cps
Copper	63-2	1096770	1084322	1090603	1090565	0.57	cps
Dysprosium	156-1	119907	122842	124688	122479	1.97	cps
Dysprosium	156-2	99842	99785	99453	99693	0.21	cps
Erbium	164-1	119836	122494	126591	122974	2.77	cps
Erbium	164-2	87941	85727	85624	86431	1.51	cps
Gadolinium	160-1	126579	127579	130622	128260	1.64	cps
Gadolinium	160-2	94908	92426	93100	93478	1.37	cps
Holmium	165-1	9913427	10491036	9715629	10040031	4.01	cps
Holmium	165-2	6775391	6641416	6798228	6738345	1.26	cps
Indium	115-1	8580716	9161687	8432042	8724815	4.42	cps
Indium	115-2	2689700	2683165	2579842	2650902	2.32	cps
Iron	56-2	159506074	158122581	158433864	158687507	0.46	cps
Iron	57-2	3937188	3877447	3811250	3875295	1.63	cps
Iron	54-2	8755675	8528986	8416683	8567115	2.02	cps
Krypton	83-1	363	423	447	411	10.46	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:06:38	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5234052	5256445	5341422	5277306	1.07	cps
Lead	207-1	4476782	4504214	4615702	4532233	1.62	cps
Lead	208-1	20342793	20769496	21051063	20721117	1.72	cps
Lithium	6-1	1608814	1762282	1570608	1647235	6.16	cps
Magnesium	24-2	1423395	1392190	1396845	1404144	1.20	cps
Manganese	55-2	15383379	15353849	15480946	15406058	0.43	cps
Molybdenum	94-1	69514	70911	72606	71010	2.18	cps
Molybdenum	95-1	45243	45564	46644	45817	1.60	cps
Molybdenum	96-1	56863	58845	59567	58425	2.40	cps
Molybdenum	97-1	28084	27710	29203	28332	2.74	cps
Molybdenum	98-1	71135	72217	73608	72320	1.71	cps
Neodymium	150-1	185938	189615	192385	189313	1.71	cps
Neodymium	150-2	110190	109891	109532	109871	0.30	cps
Nickel	60-2	81761	80521	81390	81224	0.78	cps
Phosphorus	31-2	39768	38996	39163	39309	1.03	cps
Potassium	39-2	627716	623347	622764	624609	0.43	cps
Rhodium	103-1	7876336	8539871	7923690	8113299	4.56	cps
Rhodium	103-2	4522715	4540050	4380636	4481133	1.95	cps
Scandium	45-1	5434265	5829025	5387934	5550408	4.37	cps
Scandium	45-2	381138	379426	383038	381201	0.47	cps
Selenium	82-1	1952	2051	2073	2025	3.20	cps
Selenium	77-2	423	390	423	412	4.67	cps
Selenium	78-2	907	757	887	850	9.58	cps
Silicon	28-1	33131431	33569789	33582138	33427786	0.77	cps
Silver	107-1	193773	195783	200598	196718	1.78	cps
Silver	109-1	183605	184884	187159	185216	0.97	cps
Sodium	23-2	2047654	2032721	2068557	2049644	0.88	cps
Strontium	86-1	458203	459171	465411	460928	0.85	cps
Strontium	88-1	4093771	4063207	4115780	4090919	0.65	cps
Sulfur	34-1	481856	484772	484563	483730	0.34	cps
Terbium	159-1	10287862	11165330	10264597	10572596	4.86	cps
Terbium	159-2	6808334	6674003	6623437	6701924	1.43	cps
Thallium	203-1	5695	6041	5788	5841	3.07	cps
Thallium	205-1	13877	14111	14071	14020	0.89	cps
Tin	118-1	123336	128877	129267	127160	2.61	cps
Titanium	47-1	932716	959090	955383	949063	1.50	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:06:38	DataFile Name :	104SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	96352	96654	99061	97356	1.52	cps
Vanadium	51-2	446750	450826	445514	447697	0.62	cps
Yttrium	89-1	13901025	14646614	13604883	14050840	3.82	cps
Yttrium	89-2	3177243	3169076	3156572	3167631	0.33	cps
Zinc	66-2	280203	278603	281433	280080	0.51	cps
Zirconium	90-1	123027	122644	125989	123887	1.48	cps
Zirconium	91-1	27459	27927	27950	27779	1.00	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:09:43	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1127768	1131819	1118901	1126163	0.59	cps
Antimony	121-1	16907	17588	16857	17117	2.39	cps
Arsenic	75-2	4724	4868	4844	4812	1.60	cps
Barium	135-1	291421	296857	294921	294400	0.94	cps
Barium	137-1	509346	513415	504990	509250	0.83	cps
Beryllium	9-1	1010	1070	1007	1029	3.46	cps
Bismuth	209-1	5661467	4937793	5874645	5491302	8.94	cps
Bismuth	209-2	4737706	4861829	4888281	4829272	1.66	cps
Bromine	81-1	24367	24954	25282	24868	1.86	cps
Bromine	81-2	2904	2834	2887	2875	1.27	cps
Cadmium	108-1	150	180	153	161	10.20	cps
Cadmium	106-1	2677	2164	2540	2460	10.81	cps
Cadmium	111-1	3446	3262	3378	3362	2.76	cps
Calcium	43-1	100242	101500	101930	101224	0.87	cps
Calcium	44-1	1537222	1522644	1558621	1539496	1.18	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50956	51993	50635	51194	1.39	cps
Cobalt	59-2	21215	21435	21362	21337	0.53	cps
Copper	63-2	211496	210996	212891	211794	0.46	cps
Dysprosium	156-1	23503	23880	23974	23786	1.05	cps
Dysprosium	156-2	19033	18863	18826	18907	0.58	cps
Erbium	164-1	23410	23921	23870	23734	1.19	cps
Erbium	164-2	16567	16456	16580	16534	0.41	cps
Gadolinium	160-1	24181	24992	24996	24723	1.90	cps
Gadolinium	160-2	18105	17928	17614	17883	1.39	cps
Holmium	165-1	9875987	8340043	9768472	9328168	9.19	cps
Holmium	165-2	6603499	6711644	6786695	6700613	1.37	cps
Indium	115-1	8503254	7211774	8561894	8092308	9.43	cps
Indium	115-2	2671585	2693443	2644263	2669764	0.92	cps
Iron	56-2	29945616	30261390	30306928	30171311	0.65	cps
Iron	57-2	772038	781889	781750	778559	0.73	cps
Iron	54-2	1639436	1649694	1656450	1648527	0.52	cps
Krypton	83-1	250	240	213	234	8.08	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:09:43	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	928609	923209	918895	923571	0.53	cps
Lead	207-1	783585	792355	786147	787362	0.57	cps
Lead	208-1	3829618	3889293	3804694	3841202	1.13	cps
Lithium	6-1	1608954	1408827	1630446	1549409	7.89	cps
Magnesium	24-2	280289	278732	276263	278428	0.73	cps
Manganese	55-2	2929425	2961864	2926902	2939397	0.66	cps
Molybdenum	94-1	13306	13800	13917	13674	2.37	cps
Molybdenum	95-1	8913	9000	8833	8915	0.94	cps
Molybdenum	96-1	11078	11428	10954	11153	2.20	cps
Molybdenum	97-1	5211	5378	5314	5301	1.59	cps
Molybdenum	98-1	14070	14434	13960	14155	1.75	cps
Neodymium	150-1	37106	37209	37851	37388	1.08	cps
Neodymium	150-2	21153	21223	21113	21163	0.26	cps
Nickel	60-2	15999	15955	15965	15973	0.14	cps
Phosphorus	31-2	7422	7215	7412	7350	1.59	cps
Potassium	39-2	154633	156111	153097	154614	0.97	cps
Rhodium	103-1	8154144	7007613	8139582	7767113	8.47	cps
Rhodium	103-2	4536207	4501626	4406462	4481432	1.50	cps
Scandium	45-1	5339600	4599339	5500523	5146487	9.34	cps
Scandium	45-2	374171	371225	367779	371058	0.86	cps
Selenium	82-1	733	681	729	714	4.03	cps
Selenium	77-2	120	60	93	91	32.99	cps
Selenium	78-2	343	373	353	357	4.28	cps
Silicon	28-1	6662387	6721328	6414038	6599251	2.47	cps
Silver	107-1	38026	38260	37983	38090	0.39	cps
Silver	109-1	35894	36362	36680	36312	1.09	cps
Sodium	23-2	420137	420557	417782	419492	0.36	cps
Strontium	86-1	89115	91258	89013	89795	1.41	cps
Strontium	88-1	773746	789883	775852	779827	1.12	cps
Sulfur	34-1	209821	208804	208653	209092	0.30	cps
Terbium	159-1	10011051	8908015	10540450	9819839	8.48	cps
Terbium	159-2	6744698	6680387	6563425	6662837	1.38	cps
Thallium	203-1	1117	1173	1163	1151	2.63	cps
Thallium	205-1	2840	2820	2724	2795	2.23	cps
Tin	118-1	24558	23636	24070	24088	1.91	cps
Titanium	47-1	183202	184725	184752	184226	0.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-05DLX5	Instrumnet Name :	P7
Client Sample ID :	S-911-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:09:43	DataFile Name :	105SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	18663	18463	18363	18496	0.83	cps
Vanadium	51-2	86335	84428	84931	85231	1.16	cps
Yttrium	89-1	11612110	10203536	12151543	11322396	8.88	cps
Yttrium	89-2	2683733	2668817	2668034	2673528	0.33	cps
Zinc	66-2	55881	55413	55747	55680	0.43	cps
Zirconium	90-1	24253	24581	23789	24208	1.64	cps
Zirconium	91-1	5191	5531	5491	5404	3.44	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:12:58	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10477635	10440022	10382908	10433521	0.46	cps
Antimony	121-1	12395	13520	13029	12982	4.34	cps
Arsenic	75-2	20314	20768	20087	20390	1.70	cps
Barium	135-1	868869	890721	895196	884929	1.59	cps
Barium	137-1	1517930	1587525	1656271	1587242	4.36	cps
Beryllium	9-1	6641	6735	7072	6816	3.32	cps
Bismuth	209-1	5304209	5415199	5522422	5413943	2.02	cps
Bismuth	209-2	4704157	4680140	4667590	4683963	0.40	cps
Bromine	81-1	32676	33899	34798	33791	3.15	cps
Bromine	81-2	4737	4664	4891	4764	2.43	cps
Cadmium	108-1	827	953	920	900	7.30	cps
Cadmium	106-1	4244	4221	4074	4180	2.21	cps
Cadmium	111-1	11071	11163	11067	11101	0.49	cps
Calcium	43-1	995160	1019078	1019497	1011245	1.38	cps
Calcium	44-1	15148911	15487962	15345682	15327518	1.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	515450	517091	512101	514881	0.49	cps
Cobalt	59-2	155099	155102	155678	155293	0.21	cps
Copper	63-2	2163730	2153368	2175961	2164353	0.52	cps
Dysprosium	156-1	144452	145115	147055	145541	0.93	cps
Dysprosium	156-2	119030	119651	120596	119759	0.66	cps
Erbium	164-1	123161	125697	126201	125020	1.30	cps
Erbium	164-2	86579	87411	87465	87152	0.57	cps
Gadolinium	160-1	134256	136746	136878	135960	1.09	cps
Gadolinium	160-2	99691	98295	98507	98831	0.76	cps
Holmium	165-1	9469145	9781912	9691248	9647435	1.67	cps
Holmium	165-2	6794434	6726913	6801125	6774158	0.61	cps
Indium	115-1	8135380	8100439	8130625	8122148	0.23	cps
Indium	115-2	2625194	2604588	2598931	2609571	0.53	cps
Iron	56-2	481056993	488030273	491646979	486911415	1.11	cps
Iron	57-2	12254963	12474209	12012870	12247347	1.88	cps
Iron	54-2	26679965	26840010	26841485	26787153	0.35	cps
Krypton	83-1	327	433	417	392	14.63	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:12:58	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2770654	2929703	3012361	2904239	4.23	cps
Lead	207-1	2453210	2601180	2524024	2526138	2.93	cps
Lead	208-1	11096347	11552471	11549848	11399556	2.30	cps
Lithium	6-1	1550251	1583326	1640378	1591318	2.87	cps
Magnesium	24-2	2653351	2646285	2651503	2650379	0.14	cps
Manganese	55-2	2362069	2404352	2358339	2374920	1.08	cps
Molybdenum	94-1	110359	114477	114447	113094	2.09	cps
Molybdenum	95-1	16403	16433	16529	16455	0.40	cps
Molybdenum	96-1	41068	43120	42308	42165	2.45	cps
Molybdenum	97-1	10140	10380	10744	10422	2.92	cps
Molybdenum	98-1	25582	26674	26234	26164	2.10	cps
Neodymium	150-1	227143	227317	232303	228921	1.28	cps
Neodymium	150-2	131063	130706	128288	130019	1.16	cps
Nickel	60-2	100165	98933	97296	98798	1.46	cps
Phosphorus	31-2	55216	54701	54055	54657	1.06	cps
Potassium	39-2	1038978	1030496	1036371	1035282	0.42	cps
Rhodium	103-1	7530717	7821736	7661586	7671346	1.90	cps
Rhodium	103-2	4407444	4450202	4437236	4431627	0.49	cps
Scandium	45-1	5421358	5600919	5638211	5553496	2.09	cps
Scandium	45-2	393450	393446	390629	392508	0.41	cps
Selenium	82-1	1083	899	899	961	11.07	cps
Selenium	77-2	330	360	403	364	10.12	cps
Selenium	78-2	577	583	620	593	3.93	cps
Silicon	28-1	34629698	34775585	34799415	34734899	0.26	cps
Silver	107-1	131378	137067	135859	134768	2.22	cps
Silver	109-1	126086	128087	129475	127883	1.33	cps
Sodium	23-2	1006861	1008191	1003408	1006153	0.25	cps
Strontium	86-1	414978	425745	428663	423128	1.70	cps
Strontium	88-1	3693050	3822687	3759747	3758495	1.72	cps
Sulfur	34-1	321024	317875	318583	319161	0.52	cps
Terbium	159-1	9977196	10117573	10129008	10074593	0.84	cps
Terbium	159-2	6654756	6838414	6746294	6746488	1.36	cps
Thallium	203-1	6695	7022	6888	6868	2.39	cps
Thallium	205-1	15963	16443	16687	16364	2.25	cps
Tin	118-1	89291	91777	92333	91134	1.78	cps
Titanium	47-1	683882	701127	694926	693312	1.26	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:12:58	DataFile Name :	106SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	179310	182911	181423	181215	1.00	cps
Vanadium	51-2	552764	554209	545927	550967	0.80	cps
Yttrium	89-1	12651721	13061635	13025167	12912841	1.76	cps
Yttrium	89-2	3075470	3058206	3032090	3055256	0.71	cps
Zinc	66-2	698642	699217	692768	696876	0.51	cps
Zirconium	90-1	274226	285384	285248	281619	2.27	cps
Zirconium	91-1	61706	64233	63815	63251	2.14	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:16:02	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2120350	2052505	2092201	2088352	1.63	cps
Antimony	121-1	2690	2907	2650	2749	5.02	cps
Arsenic	75-2	4104	4197	3977	4093	2.70	cps
Barium	135-1	177780	180769	177985	178845	0.93	cps
Barium	137-1	309161	310086	307642	308963	0.40	cps
Beryllium	9-1	1503	1493	1423	1473	2.96	cps
Bismuth	209-1	5645359	5682987	5714517	5680954	0.61	cps
Bismuth	209-2	4897313	4852651	4853254	4867739	0.53	cps
Bromine	81-1	14481	14594	14828	14634	1.21	cps
Bromine	81-2	1113	1053	1093	1087	2.81	cps
Cadmium	108-1	170	233	187	197	16.69	cps
Cadmium	106-1	3064	2580	2604	2749	9.92	cps
Cadmium	111-1	3762	3443	3239	3481	7.58	cps
Calcium	43-1	200892	204355	203700	202982	0.91	cps
Calcium	44-1	3088658	3072800	3076150	3079203	0.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	104660	102858	105170	104230	1.17	cps
Cobalt	59-2	31536	31212	30798	31182	1.19	cps
Copper	63-2	433175	436902	432955	434344	0.51	cps
Dysprosium	156-1	29013	28890	29424	29109	0.96	cps
Dysprosium	156-2	23276	24284	24385	23982	2.56	cps
Erbium	164-1	24735	25106	25253	25031	1.07	cps
Erbium	164-2	17421	17815	17204	17480	1.77	cps
Gadolinium	160-1	26448	27430	26816	26898	1.84	cps
Gadolinium	160-2	20138	19781	19841	19920	0.96	cps
Holmium	165-1	9712122	9836813	9888702	9812546	0.92	cps
Holmium	165-2	6780823	6828881	6761570	6790425	0.51	cps
Indium	115-1	8553058	8411714	8357181	8440651	1.20	cps
Indium	115-2	2650672	2700204	2681121	2677332	0.93	cps
Iron	56-2	99470012	99398582	98211735	99026776	0.71	cps
Iron	57-2	2517168	2481639	2402071	2466959	2.39	cps
Iron	54-2	5492517	5479753	5356741	5443003	1.38	cps
Krypton	83-1	233	233	267	244	7.87	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:16:02	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	527098	525920	524732	525917	0.22	cps
Lead	207-1	454129	452558	450252	452313	0.43	cps
Lead	208-1	2070887	2080298	2056806	2069330	0.57	cps
Lithium	6-1	1602900	1629149	1580508	1604186	1.52	cps
Magnesium	24-2	549651	551160	543706	548173	0.72	cps
Manganese	55-2	484912	482408	479540	482287	0.56	cps
Molybdenum	94-1	22314	22200	22704	22406	1.18	cps
Molybdenum	95-1	3347	3057	3210	3205	4.53	cps
Molybdenum	96-1	8583	8549	8613	8581	0.37	cps
Molybdenum	97-1	2000	2033	1963	1999	1.75	cps
Molybdenum	98-1	5341	5371	5328	5347	0.42	cps
Neodymium	150-1	46102	46470	45761	46111	0.77	cps
Neodymium	150-2	25380	25777	25473	25543	0.81	cps
Nickel	60-2	20194	20721	20527	20481	1.30	cps
Phosphorus	31-2	11117	10937	11208	11087	1.24	cps
Potassium	39-2	247326	245588	245134	246016	0.47	cps
Rhodium	103-1	7984484	7938884	7907093	7943487	0.49	cps
Rhodium	103-2	4539734	4605159	4561805	4568899	0.73	cps
Scandium	45-1	5344127	5280055	5232743	5285642	1.06	cps
Scandium	45-2	382288	382341	382451	382360	0.02	cps
Selenium	82-1	490	457	415	454	8.31	cps
Selenium	77-2	123	60	63	82	43.35	cps
Selenium	78-2	333	363	257	318	17.31	cps
Silicon	28-1	7083078	7189054	7203093	7158408	0.92	cps
Silver	107-1	27560	27523	27469	27517	0.16	cps
Silver	109-1	25626	26337	26357	26107	1.60	cps
Sodium	23-2	210311	209617	210339	210089	0.19	cps
Strontium	86-1	85597	85567	83874	85012	1.16	cps
Strontium	88-1	737971	741282	742703	740652	0.33	cps
Sulfur	34-1	181838	181190	184074	182367	0.83	cps
Terbium	159-1	9989289	10499066	10298884	10262413	2.50	cps
Terbium	159-2	6848704	6829026	6635078	6770936	1.74	cps
Thallium	203-1	1360	1480	1553	1465	6.67	cps
Thallium	205-1	3537	3477	3447	3487	1.31	cps
Tin	118-1	17855	17935	17811	17867	0.35	cps
Titanium	47-1	135743	140419	141074	139078	2.09	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-06DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:16:02	DataFile Name :	107SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	37035	36580	36774	36796	0.62	cps
Vanadium	51-2	111173	109715	111240	110709	0.78	cps
Yttrium	89-1	11819814	11847234	11902530	11856526	0.36	cps
Yttrium	89-2	2728792	2741067	2741605	2737155	0.26	cps
Zinc	66-2	146386	146464	143166	145339	1.30	cps
Zirconium	90-1	55936	56505	56177	56206	0.51	cps
Zirconium	91-1	12435	12726	12329	12497	1.64	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:19:16	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16090184	16449223	16391741	16310383	1.18	cps
Antimony	121-1	12706	13236	13587	13176	3.37	cps
Arsenic	75-2	25939	25659	26217	25938	1.07	cps
Barium	135-1	1236790	1238476	1251354	1242206	0.64	cps
Barium	137-1	2239731	2276869	2318068	2278223	1.72	cps
Beryllium	9-1	10177	10424	10664	10421	2.34	cps
Bismuth	209-1	5485877	5632601	5554119	5557532	1.32	cps
Bismuth	209-2	4642907	4731462	4747384	4707251	1.20	cps
Bromine	81-1	44119	46296	48275	46230	4.50	cps
Bromine	81-2	6825	7312	7372	7170	4.18	cps
Cadmium	108-1	1093	1107	1130	1110	1.67	cps
Cadmium	106-1	4627	4724	4824	4725	2.08	cps
Cadmium	111-1	13161	13343	13063	13189	1.08	cps
Calcium	43-1	1307046	1376037	1381450	1354844	3.06	cps
Calcium	44-1	20987527	21980959	22160954	21709813	2.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	668260	674546	664974	669260	0.73	cps
Cobalt	59-2	255626	251383	255288	254099	0.93	cps
Copper	63-2	2887453	2839380	2888690	2871841	0.98	cps
Dysprosium	156-1	220842	226635	227133	224870	1.56	cps
Dysprosium	156-2	183588	184301	185472	184453	0.52	cps
Erbium	164-1	191055	196287	197852	195065	1.82	cps
Erbium	164-2	133007	135373	132357	133579	1.19	cps
Gadolinium	160-1	206468	213277	212326	210690	1.75	cps
Gadolinium	160-2	150817	151702	152849	151789	0.67	cps
Holmium	165-1	9671270	9841121	9884833	9799075	1.15	cps
Holmium	165-2	6955345	6804175	6961884	6907135	1.29	cps
Indium	115-1	8305902	8441424	8243775	8330367	1.21	cps
Indium	115-2	2712113	2621015	2705023	2679383	1.89	cps
Iron	56-2	397823861	401916287	399817034	399852394	0.51	cps
Iron	57-2	9997921	10006294	9853214	9952476	0.86	cps
Iron	54-2	22163333	21584417	21343322	21697024	1.94	cps
Krypton	83-1	497	460	453	470	4.96	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:19:16	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3390264	3514219	3598590	3501024	2.99	cps
Lead	207-1	2993686	3007706	2992910	2998101	0.28	cps
Lead	208-1	13539456	13904975	13844286	13762906	1.42	cps
Lithium	6-1	1626642	1609211	1636885	1624246	0.86	cps
Magnesium	24-2	4347370	4351469	4384106	4360982	0.46	cps
Manganese	55-2	2863013	2810964	2789203	2821060	1.34	cps
Molybdenum	94-1	135430	139982	136482	137298	1.74	cps
Molybdenum	95-1	17621	17798	17300	17573	1.43	cps
Molybdenum	96-1	45551	46627	45795	45991	1.23	cps
Molybdenum	97-1	11061	11478	11338	11292	1.88	cps
Molybdenum	98-1	27569	28104	28241	27971	1.27	cps
Neodymium	150-1	351449	357554	363367	357457	1.67	cps
Neodymium	150-2	203851	204613	205494	204653	0.40	cps
Nickel	60-2	140784	141154	141292	141077	0.19	cps
Phosphorus	31-2	43889	44762	44327	44326	0.98	cps
Potassium	39-2	1341160	1323923	1361167	1342083	1.39	cps
Rhodium	103-1	7634443	7638005	7732853	7668434	0.73	cps
Rhodium	103-2	4349405	4359494	4360950	4356616	0.14	cps
Scandium	45-1	5646689	5905107	5710719	5754172	2.34	cps
Scandium	45-2	406086	410012	407603	407900	0.49	cps
Selenium	82-1	1281	1264	1304	1283	1.56	cps
Selenium	77-2	620	633	683	646	5.17	cps
Selenium	78-2	877	767	740	794	9.12	cps
Silicon	28-1	34861142	36486819	36637364	35995108	2.74	cps
Silver	107-1	126055	129976	129660	128564	1.69	cps
Silver	109-1	119498	122919	123141	121852	1.68	cps
Sodium	23-2	1604309	1553271	1605439	1587673	1.88	cps
Strontium	86-1	596131	612660	612939	607243	1.58	cps
Strontium	88-1	5313867	5450214	5334366	5366149	1.37	cps
Sulfur	34-1	368749	379748	377056	375184	1.53	cps
Terbium	159-1	10055572	10351722	10255246	10220847	1.48	cps
Terbium	159-2	6785632	6885526	6885601	6852253	0.84	cps
Thallium	203-1	10524	10754	10648	10642	1.08	cps
Thallium	205-1	24886	25781	25855	25507	2.11	cps
Tin	118-1	72736	75436	75490	74554	2.11	cps
Titanium	47-1	915133	940279	929839	928417	1.36	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:19:16	DataFile Name :	108SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	196838	205008	206461	202769	2.56	cps
Vanadium	51-2	790251	790705	776863	785940	1.00	cps
Yttrium	89-1	14239682	14687824	14172567	14366691	1.95	cps
Yttrium	89-2	3309860	3304578	3252901	3289113	0.96	cps
Zinc	66-2	565547	562162	566560	564756	0.41	cps
Zirconium	90-1	338346	349649	345036	344344	1.65	cps
Zirconium	91-1	75560	77614	77369	76848	1.46	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:22:18	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3221883	3148250	3151709	3173947	1.31	cps
Antimony	121-1	2574	2594	2547	2571	0.91	cps
Arsenic	75-2	5014	5051	4941	5002	1.12	cps
Barium	135-1	241010	246021	244424	243819	1.05	cps
Barium	137-1	416852	424697	420907	420819	0.93	cps
Beryllium	9-1	1967	2080	1913	1987	4.28	cps
Bismuth	209-1	5769544	5696473	5710854	5725624	0.68	cps
Bismuth	209-2	4879540	4555892	4947866	4794433	4.37	cps
Bromine	81-1	16760	16459	17003	16741	1.63	cps
Bromine	81-2	1587	1503	1643	1578	4.46	cps
Cadmium	108-1	230	233	190	218	11.07	cps
Cadmium	106-1	2670	2810	2897	2793	4.10	cps
Cadmium	111-1	3752	3921	4072	3915	4.09	cps
Calcium	43-1	271291	273123	276791	273735	1.02	cps
Calcium	44-1	4147442	4162814	4131016	4147091	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	130446	130254	129369	130023	0.44	cps
Cobalt	59-2	50301	50207	50531	50346	0.33	cps
Copper	63-2	554165	554337	553869	554124	0.04	cps
Dysprosium	156-1	42554	43430	43828	43271	1.51	cps
Dysprosium	156-2	34676	35064	35298	35012	0.90	cps
Erbium	164-1	37380	37848	38098	37775	0.97	cps
Erbium	164-2	25517	25346	24919	25261	1.22	cps
Gadolinium	160-1	40930	41127	41016	41024	0.24	cps
Gadolinium	160-2	29745	29919	29127	29597	1.41	cps
Holmium	165-1	9917926	9724074	9723827	9788609	1.14	cps
Holmium	165-2	6715971	6415062	6877911	6669648	3.52	cps
Indium	115-1	8366249	8378586	8394352	8379729	0.17	cps
Indium	115-2	2692316	2553944	2874531	2706930	5.94	cps
Iron	56-2	78765754	77666632	77644332	78025573	0.82	cps
Iron	57-2	1977645	1897628	1926173	1933815	2.10	cps
Iron	54-2	4254985	4213864	4212723	4227191	0.57	cps
Krypton	83-1	267	220	243	243	9.59	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:22:18	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	610081	613212	620750	614681	0.89	cps
Lead	207-1	517437	522994	523929	521453	0.67	cps
Lead	208-1	2398302	2410495	2423084	2410627	0.51	cps
Lithium	6-1	1595518	1585715	1639328	1606854	1.78	cps
Magnesium	24-2	876941	871256	877288	875162	0.39	cps
Manganese	55-2	560786	556370	553338	556831	0.67	cps
Molybdenum	94-1	26207	26668	26170	26348	1.05	cps
Molybdenum	95-1	3464	3404	3367	3412	1.43	cps
Molybdenum	96-1	8996	9023	9320	9113	1.97	cps
Molybdenum	97-1	2214	2120	2020	2118	4.57	cps
Molybdenum	98-1	5614	5408	5684	5569	2.58	cps
Neodymium	150-1	68198	70140	69781	69373	1.49	cps
Neodymium	150-2	39295	40014	38426	39245	2.03	cps
Nickel	60-2	28657	27999	28050	28235	1.30	cps
Phosphorus	31-2	9009	8739	8929	8893	1.56	cps
Potassium	39-2	310876	308235	308206	309105	0.50	cps
Rhodium	103-1	7933744	7779944	7914321	7876003	1.06	cps
Rhodium	103-2	4476747	4345528	4649635	4490637	3.40	cps
Scandium	45-1	5363536	5296647	5354497	5338227	0.68	cps
Scandium	45-2	379547	360726	388043	376105	3.72	cps
Selenium	82-1	557	594	496	549	8.96	cps
Selenium	77-2	90	103	130	108	18.90	cps
Selenium	78-2	300	340	317	319	6.30	cps
Silicon	28-1	7084238	7274126	7257794	7205386	1.46	cps
Silver	107-1	25479	25643	26003	25708	1.04	cps
Silver	109-1	24104	23676	24404	24061	1.52	cps
Sodium	23-2	331264	330029	330102	330465	0.21	cps
Strontium	86-1	115449	119333	118258	117680	1.70	cps
Strontium	88-1	1008074	1028825	1023051	1019984	1.05	cps
Sulfur	34-1	184081	183990	184476	184182	0.14	cps
Terbium	159-1	10255678	10137984	10120221	10171294	0.72	cps
Terbium	159-2	6738427	6246526	7065935	6683629	6.17	cps
Thallium	203-1	2027	2174	2330	2177	6.97	cps
Thallium	205-1	4968	5048	4988	5001	0.83	cps
Tin	118-1	14517	14317	14674	14503	1.23	cps
Titanium	47-1	176778	177282	179647	177902	0.86	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-07DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-KJ-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:22:18	DataFile Name :	109SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	39051	39629	38873	39184	1.01	cps
Vanadium	51-2	151516	150444	149091	150351	0.81	cps
Yttrium	89-1	11805680	12139969	11930944	11958865	1.41	cps
Yttrium	89-2	2692911	2643646	2840623	2725727	3.76	cps
Zinc	66-2	113907	113719	113242	113623	0.30	cps
Zirconium	90-1	65348	66694	66640	66227	1.15	cps
Zirconium	91-1	14868	15371	15178	15139	1.68	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:25:33	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15901766	15876477	15792821	15857021	0.36	cps
Antimony	121-1	7776	7912	8172	7953	2.53	cps
Arsenic	75-2	25485	26120	25629	25745	1.29	cps
Barium	135-1	1136236	1151455	1165658	1151116	1.28	cps
Barium	137-1	2081085	2113103	2149950	2114713	1.63	cps
Beryllium	9-1	11491	12038	11911	11813	2.42	cps
Bismuth	209-1	5470684	5323814	5514327	5436275	1.84	cps
Bismuth	209-2	4696040	4632044	4652418	4660168	0.70	cps
Bromine	81-1	27275	29610	30231	29039	5.37	cps
Bromine	81-2	4211	4051	4177	4146	2.04	cps
Cadmium	108-1	883	870	887	880	1.00	cps
Cadmium	106-1	4477	4257	4277	4337	2.81	cps
Cadmium	111-1	11399	11334	11576	11436	1.10	cps
Calcium	43-1	831151	846743	855248	844381	1.45	cps
Calcium	44-1	12427522	12855766	13056387	12779892	2.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	564396	562977	562476	563283	0.18	cps
Cobalt	59-2	519139	518530	520683	519451	0.21	cps
Copper	63-2	2831435	2799758	2830529	2820574	0.64	cps
Dysprosium	156-1	213081	217157	217906	216048	1.20	cps
Dysprosium	156-2	177713	178393	177690	177932	0.22	cps
Erbium	164-1	188825	189403	192365	190198	1.00	cps
Erbium	164-2	131889	132659	132202	132250	0.29	cps
Gadolinium	160-1	201984	204806	204684	203825	0.78	cps
Gadolinium	160-2	146871	148125	148531	147842	0.59	cps
Holmium	165-1	9682345	9533635	9631314	9615765	0.79	cps
Holmium	165-2	6875090	6728953	6859172	6821072	1.18	cps
Indium	115-1	8084332	8109044	8138679	8110685	0.34	cps
Indium	115-2	2636720	2677783	2620377	2644960	1.12	cps
Iron	56-2	415560727	418698047	410047247	414768674	1.06	cps
Iron	57-2	10351631	10214713	10427411	10331252	1.04	cps
Iron	54-2	22675296	22701523	22876883	22751234	0.48	cps
Krypton	83-1	543	433	473	483	11.52	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:25:33	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2812996	2819493	2863130	2831873	0.96	cps
Lead	207-1	2430194	2476649	2435381	2447408	1.04	cps
Lead	208-1	11017745	11131442	11178660	11109282	0.74	cps
Lithium	6-1	1622517	1607400	1598025	1609314	0.77	cps
Magnesium	24-2	3768200	3706597	3704176	3726324	0.97	cps
Manganese	55-2	2229849	2241967	2240760	2237525	0.30	cps
Molybdenum	94-1	103993	107303	106460	105919	1.62	cps
Molybdenum	95-1	15312	16082	15685	15693	2.46	cps
Molybdenum	96-1	38748	40245	40042	39678	2.05	cps
Molybdenum	97-1	9707	10374	9820	9967	3.58	cps
Molybdenum	98-1	25355	25519	25616	25497	0.52	cps
Neodymium	150-1	332135	338708	341087	337310	1.37	cps
Neodymium	150-2	193825	192045	192329	192733	0.50	cps
Nickel	60-2	265486	264483	264361	264777	0.23	cps
Phosphorus	31-2	34519	34298	34502	34440	0.36	cps
Potassium	39-2	1208847	1179576	1264975	1217799	3.56	cps
Rhodium	103-1	7713764	7518927	7652848	7628513	1.31	cps
Rhodium	103-2	4369968	4358932	4246083	4324994	1.59	cps
Scandium	45-1	5549670	5680042	5683195	5637636	1.35	cps
Scandium	45-2	401057	402966	400665	401563	0.31	cps
Selenium	82-1	1063	1069	1071	1068	0.40	cps
Selenium	77-2	513	517	580	537	7.00	cps
Selenium	78-2	803	733	787	774	4.72	cps
Silicon	28-1	36160280	37221514	37136606	36839467	1.60	cps
Silver	107-1	141456	147086	147484	145342	2.32	cps
Silver	109-1	134844	138733	140729	138102	2.17	cps
Sodium	23-2	1258791	1215584	1231975	1235450	1.77	cps
Strontium	86-1	448967	460680	460919	456856	1.50	cps
Strontium	88-1	3921492	4115713	4125643	4054283	2.84	cps
Sulfur	34-1	230097	231704	228859	230220	0.62	cps
Terbium	159-1	9923062	9921015	10152930	9999003	1.33	cps
Terbium	159-2	6719312	6820163	6515037	6684837	2.33	cps
Thallium	203-1	9657	9744	9757	9719	0.56	cps
Thallium	205-1	22960	22385	23153	22833	1.75	cps
Tin	118-1	159934	160564	164466	161654	1.52	cps
Titanium	47-1	717918	746010	738553	734160	1.98	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:25:33	DataFile Name :	110SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	141233	141071	145559	142621	1.78	cps
Vanadium	51-2	787048	787011	779876	784645	0.53	cps
Yttrium	89-1	13973243	14130361	14334218	14145941	1.28	cps
Yttrium	89-2	3310740	3262324	3201387	3258150	1.68	cps
Zinc	66-2	475650	476771	478647	477023	0.32	cps
Zirconium	90-1	255836	264523	265236	261865	2.00	cps
Zirconium	91-1	58034	59048	58683	58589	0.88	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:28:35	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3189199	3278016	3197888	3221701	1.52	cps
Antimony	121-1	1767	1580	1773	1707	6.43	cps
Arsenic	75-2	5178	4931	5021	5043	2.48	cps
Barium	135-1	229456	231528	230272	230419	0.45	cps
Barium	137-1	396854	399482	398231	398189	0.33	cps
Beryllium	9-1	2457	2537	2407	2467	2.66	cps
Bismuth	209-1	5802594	5651498	5619219	5691104	1.72	cps
Bismuth	209-2	4830153	4917022	4964411	4903862	1.39	cps
Bromine	81-1	13333	13293	12866	13164	1.97	cps
Bromine	81-2	990	860	1033	961	9.39	cps
Cadmium	108-1	180	163	223	189	16.40	cps
Cadmium	106-1	2804	2737	2797	2779	1.32	cps
Cadmium	111-1	3573	3668	3598	3613	1.36	cps
Calcium	43-1	167093	170601	168662	168785	1.04	cps
Calcium	44-1	2562819	2625280	2564818	2584306	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	112878	113295	112305	112826	0.44	cps
Cobalt	59-2	105394	104037	104688	104707	0.65	cps
Copper	63-2	560819	553659	560630	558369	0.73	cps
Dysprosium	156-1	42909	42775	42274	42652	0.79	cps
Dysprosium	156-2	34743	35191	36033	35322	1.85	cps
Erbium	164-1	37918	37056	37841	37605	1.27	cps
Erbium	164-2	25740	25343	25433	25506	0.82	cps
Gadolinium	160-1	40582	40398	40298	40426	0.36	cps
Gadolinium	160-2	29481	30112	28993	29529	1.90	cps
Holmium	165-1	9765422	9775297	9952049	9830922	1.07	cps
Holmium	165-2	6858581	6902865	6721919	6827788	1.38	cps
Indium	115-1	8463297	8485089	8404405	8450931	0.49	cps
Indium	115-2	2732097	2695141	2793974	2740404	1.82	cps
Iron	56-2	82540284	84253717	84194854	83662952	1.16	cps
Iron	57-2	2099654	2116767	2084979	2100467	0.76	cps
Iron	54-2	4591162	4505847	4537718	4544909	0.95	cps
Krypton	83-1	233	227	217	226	3.72	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:28:35	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	517711	522170	516912	518931	0.55	cps
Lead	207-1	440799	438706	439465	439656	0.24	cps
Lead	208-1	2041230	2019582	2032157	2030990	0.54	cps
Lithium	6-1	1604346	1628892	1604400	1612546	0.88	cps
Magnesium	24-2	781920	778854	777678	779484	0.28	cps
Manganese	55-2	456852	456528	458055	457145	0.18	cps
Molybdenum	94-1	20999	21366	20838	21067	1.28	cps
Molybdenum	95-1	3094	3204	3254	3184	2.57	cps
Molybdenum	96-1	7916	7859	8309	8028	3.05	cps
Molybdenum	97-1	1863	1937	2130	1977	6.97	cps
Molybdenum	98-1	5138	5084	5011	5078	1.25	cps
Neodymium	150-1	66191	66653	66757	66534	0.45	cps
Neodymium	150-2	38228	38309	38974	38504	1.06	cps
Nickel	60-2	53532	53950	53321	53601	0.60	cps
Phosphorus	31-2	7018	7135	6988	7047	1.10	cps
Potassium	39-2	285852	287503	285492	286282	0.37	cps
Rhodium	103-1	7912023	8022662	7891407	7942031	0.89	cps
Rhodium	103-2	4530347	4597930	4596544	4574941	0.84	cps
Scandium	45-1	5328487	5435120	5469734	5411114	1.36	cps
Scandium	45-2	379857	379599	385878	381778	0.93	cps
Selenium	82-1	475	513	534	507	5.85	cps
Selenium	77-2	77	103	137	106	28.48	cps
Selenium	78-2	313	350	270	311	12.87	cps
Silicon	28-1	7623397	7515715	7509902	7549671	0.85	cps
Silver	107-1	29179	30258	30342	29926	2.17	cps
Silver	109-1	27503	28632	28538	28224	2.22	cps
Sodium	23-2	267576	268863	269784	268741	0.41	cps
Strontium	86-1	90436	91512	91613	91187	0.71	cps
Strontium	88-1	793763	798128	796217	796036	0.27	cps
Sulfur	34-1	155229	153051	154104	154128	0.71	cps
Terbium	159-1	10072790	10177979	10118005	10122925	0.52	cps
Terbium	159-2	6750406	6929708	6745374	6808496	1.54	cps
Thallium	203-1	1917	1960	2020	1966	2.64	cps
Thallium	205-1	4791	4758	4808	4785	0.53	cps
Tin	118-1	29721	29337	30663	29907	2.28	cps
Titanium	47-1	145667	148922	150085	148225	1.55	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-08DLX5	Instrumnet Name :	P7
Client Sample ID :	S-905-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:28:35	DataFile Name :	111SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28343	28133	28467	28315	0.60	cps
Vanadium	51-2	155371	156266	155634	155757	0.30	cps
Yttrium	89-1	11866323	12019106	11910289	11931906	0.66	cps
Yttrium	89-2	2765618	2796054	2756619	2772764	0.75	cps
Zinc	66-2	98479	97284	98392	98051	0.68	cps
Zirconium	90-1	51985	53618	51844	52482	1.88	cps
Zirconium	91-1	11408	11812	11915	11711	2.29	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:31:48	DataFile Name :	112CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5814532	5773024	5837220	5808258	0.56	cps
Antimony	121-1	3349667	3463791	3440383	3417947	1.76	cps
Arsenic	75-2	163634	161835	162664	162711	0.55	cps
Barium	135-1	4047033	4045780	4073123	4055312	0.38	cps
Barium	137-1	6878532	7142248	6838365	6953048	2.37	cps
Beryllium	9-1	612854	626377	628588	622606	1.37	cps
Bismuth	209-1	5466813	5323626	5414262	5401567	1.34	cps
Bismuth	209-2	4540429	4585924	4509190	4545181	0.85	cps
Bromine	81-1	8756	8649	8426	8610	1.96	cps
Bromine	81-2	113	150	107	123	18.92	cps
Cadmium	108-1	58313	57995	58507	58272	0.44	cps
Cadmium	106-1	85121	84662	85386	85056	0.43	cps
Cadmium	111-1	782893	785975	789956	786275	0.45	cps
Calcium	43-1	4801689	5055990	4911860	4923180	2.59	cps
Calcium	44-1	77699244	81252092	77149444	78700260	2.83	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1167225	1163754	1155181	1162053	0.53	cps
Cobalt	59-2	1823701	1742494	1760142	1775446	2.41	cps
Copper	63-2	12347274	11946051	11888848	12060724	2.07	cps
Dysprosium	156-1	337	357	337	343	3.36	cps
Dysprosium	156-2	340	323	350	338	3.99	cps
Erbium	164-1	257	193	220	223	14.24	cps
Erbium	164-2	147	153	177	159	9.91	cps
Gadolinium	160-1	207	223	163	198	15.66	cps
Gadolinium	160-2	353	403	470	409	14.31	cps
Holmium	165-1	9836069	9797753	9728669	9787497	0.56	cps
Holmium	165-2	6742221	6944632	6727123	6804659	1.78	cps
Indium	115-1	8057230	8118979	8209358	8128522	0.94	cps
Indium	115-2	2593558	2541602	2547692	2560951	1.11	cps
Iron	56-2	245645063	250451383	245548796	247215081	1.13	cps
Iron	57-2	6390521	6082814	6161002	6211446	2.57	cps
Iron	54-2	13504321	13364620	13512871	13460604	0.62	cps
Krypton	83-1	227	230	247	234	4.57	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:31:48	DataFile Name :	112CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10286663	10342248	10325245	10318052	0.28	cps
Lead	207-1	9035439	9183467	9149047	9122651	0.85	cps
Lead	208-1	40923060	41938798	41702945	41521601	1.28	cps
Lithium	6-1	1625549	1640442	1650567	1638853	0.77	cps
Magnesium	24-2	51865846	51598066	51276911	51580274	0.57	cps
Manganese	55-2	8167662	8249071	8065900	8160877	1.12	cps
Molybdenum	94-1	12259748	12258051	12610943	12376247	1.64	cps
Molybdenum	95-1	18200947	18018707	18007251	18075635	0.60	cps
Molybdenum	96-1	19528770	19537320	20125625	19730572	1.73	cps
Molybdenum	97-1	11293129	11344614	11648745	11428830	1.68	cps
Molybdenum	98-1	29059156	29133620	29333701	29175492	0.49	cps
Neodymium	150-1	320	313	327	320	2.08	cps
Neodymium	150-2	97	123	137	119	17.13	cps
Nickel	60-2	440881	440315	436531	439242	0.54	cps
Phosphorus	31-2	67207	67066	66065	66779	0.93	cps
Potassium	39-2	30106961	31360927	30320162	30596017	2.19	cps
Rhodium	103-1	7473837	7348828	7503505	7442057	1.10	cps
Rhodium	103-2	4151603	4097459	4150235	4133099	0.75	cps
Scandium	45-1	5325656	5249630	5226759	5267349	0.98	cps
Scandium	45-2	363728	362439	358430	361532	0.76	cps
Selenium	82-1	52620	52853	52020	52498	0.82	cps
Selenium	77-2	4397	4254	4234	4295	2.07	cps
Selenium	78-2	14888	14667	14657	14737	0.88	cps
Silicon	28-1	32263839	33013433	33050055	32775776	1.35	cps
Silver	107-1	3958998	3921890	3941605	3940831	0.47	cps
Silver	109-1	3723609	3760643	3762084	3748779	0.58	cps
Sodium	23-2	81642355	81756817	80454412	81284528	0.89	cps
Strontium	86-1	26593490	26247622	27474464	26771859	2.36	cps
Strontium	88-1	230254697	231519057	232069557	231281103	0.40	cps
Sulfur	34-1	470785	467062	461444	466431	1.01	cps
Terbium	159-1	10142265	10289176	10210914	10214118	0.72	cps
Terbium	159-2	6720664	6685983	6714186	6706944	0.27	cps
Thallium	203-1	2670238	2607206	2621595	2633013	1.25	cps
Thallium	205-1	6287988	6179043	6333732	6266921	1.27	cps
Tin	118-1	2639446	2708415	2713783	2687215	1.54	cps
Titanium	47-1	5078930	5099715	5007552	5062066	0.95	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV08	Instrumnet Name :	P7
Client Sample ID :	CCV08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:31:48	DataFile Name :	112CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7934705	8095291	8053392	8027796	1.04	cps
Vanadium	51-2	1062075	1042580	1045378	1050011	1.00	cps
Yttrium	89-1	11653011	11158491	11144879	11318794	2.56	cps
Yttrium	89-2	2535825	2546128	2539852	2540601	0.20	cps
Zinc	66-2	2066312	2034981	2053469	2051587	0.77	cps
Zirconium	90-1	5960782	5949339	6024970	5978364	0.68	cps
Zirconium	91-1	1319523	1323689	1332648	1325286	0.51	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:50:58	DataFile Name :	113CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	260	207	197	221	15.40	cps
Antimony	121-1	317	440	463	407	19.38	cps
Arsenic	75-2	3	0	10	4	114.60	cps
Barium	135-1	70	67	73	70	4.76	cps
Barium	137-1	123	120	93	112	14.65	cps
Beryllium	9-1	63	33	77	58	38.42	cps
Bismuth	209-1	5498946	5574869	5559759	5544525	0.72	cps
Bismuth	209-2	4750401	4735188	4687445	4724345	0.70	cps
Bromine	81-1	7605	7649	7649	7634	0.33	cps
Bromine	81-2	97	73	53	74	29.14	cps
Cadmium	108-1	0	13	7	7	99.98	cps
Cadmium	106-1	2124	2067	2047	2079	1.91	cps
Cadmium	111-1	1503	1447	1445	1465	2.25	cps
Calcium	43-1	273	320	320	304	8.85	cps
Calcium	44-1	10828	10994	10468	10763	2.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	597	567	570	578	2.85	cps
Cobalt	59-2	83	77	77	79	4.87	cps
Copper	63-2	880	940	923	914	3.39	cps
Dysprosium	156-1	37	30	23	30	22.23	cps
Dysprosium	156-2	20	7	10	12	56.76	cps
Erbium	164-1	63	73	73	70	8.25	cps
Erbium	164-2	50	37	27	38	30.98	cps
Gadolinium	160-1	30	50	53	44	28.39	cps
Gadolinium	160-2	303	300	260	288	8.38	cps
Holmium	165-1	9376384	9174983	9033536	9194968	1.87	cps
Holmium	165-2	6432390	6487158	6517964	6479171	0.67	cps
Indium	115-1	8251784	8261814	8208628	8240742	0.34	cps
Indium	115-2	2637510	2663815	2647012	2649446	0.50	cps
Iron	56-2	12362	12455	13176	12665	3.52	cps
Iron	57-2	1367	1587	1450	1468	7.57	cps
Iron	54-2	1583	1547	1530	1553	1.76	cps
Krypton	83-1	183	180	220	194	11.41	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:50:58	DataFile Name :	113CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	297	290	283	290	2.30	cps
Lead	207-1	200	227	230	219	7.51	cps
Lead	208-1	1210	1233	1190	1211	1.79	cps
Lithium	6-1	1544134	1510845	1544852	1533277	1.27	cps
Magnesium	24-2	900	830	1037	922	11.40	cps
Manganese	55-2	337	383	407	376	9.49	cps
Molybdenum	94-1	310	297	317	308	3.31	cps
Molybdenum	95-1	150	143	190	161	15.66	cps
Molybdenum	96-1	250	237	263	250	5.33	cps
Molybdenum	97-1	110	117	80	102	19.11	cps
Molybdenum	98-1	297	233	290	273	12.73	cps
Neodymium	150-1	3	13	7	8	65.47	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	153	173	200	176	13.33	cps
Phosphorus	31-2	110	107	97	104	6.64	cps
Potassium	39-2	46187	46003	46374	46188	0.40	cps
Rhodium	103-1	7780646	7849194	7700606	7776815	0.96	cps
Rhodium	103-2	4457746	4582122	4530768	4523545	1.38	cps
Scandium	45-1	5174151	5196307	5260407	5210288	0.86	cps
Scandium	45-2	372897	369784	370537	371073	0.44	cps
Selenium	82-1	301	326	348	325	7.29	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	173	247	193	204	18.54	cps
Silicon	28-1	291091	292099	293576	292255	0.43	cps
Silver	107-1	90	50	73	71	28.26	cps
Silver	109-1	87	47	63	66	30.65	cps
Sodium	23-2	13323	13426	13499	13416	0.66	cps
Strontium	86-1	403	427	470	433	7.81	cps
Strontium	88-1	1337	1150	1467	1318	12.08	cps
Sulfur	34-1	186918	186884	188959	187587	0.63	cps
Terbium	159-1	9655039	9703221	9699353	9685871	0.28	cps
Terbium	159-2	6601655	6527429	6559444	6562843	0.57	cps
Thallium	203-1	27	60	53	47	37.79	cps
Thallium	205-1	140	90	97	109	24.93	cps
Tin	118-1	873	917	873	888	2.82	cps
Titanium	47-1	153	180	163	166	8.13	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB08	Instrumnet Name :	P7
Client Sample ID :	CCB08	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:50:58	DataFile Name :	113CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	40	60	44	31.23	cps
Vanadium	51-2	17	23	30	23	28.56	cps
Yttrium	89-1	11267176	10844840	10957797	11023271	1.98	cps
Yttrium	89-2	2528880	2564745	2600136	2564587	1.39	cps
Zinc	66-2	763	677	787	742	7.81	cps
Zirconium	90-1	550	570	607	576	4.99	cps
Zirconium	91-1	110	127	157	131	18.04	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:54:14	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7922053	8003067	8089024	8004715	1.04	cps
Antimony	121-1	52653	53523	52750	52975	0.90	cps
Arsenic	75-2	32298	33090	33154	32847	1.45	cps
Barium	135-1	1966150	2060746	2000908	2009268	2.38	cps
Barium	137-1	3446894	3509115	3468690	3474900	0.91	cps
Beryllium	9-1	8179	8522	8339	8347	2.06	cps
Bismuth	209-1	5484503	5555035	5725027	5588188	2.21	cps
Bismuth	209-2	4810631	4789403	4839851	4813295	0.53	cps
Bromine	81-1	66462	73468	74898	71609	6.30	cps
Bromine	81-2	11154	11358	11621	11378	2.06	cps
Cadmium	108-1	1057	990	1063	1037	3.91	cps
Cadmium	106-1	4457	4544	4471	4491	1.04	cps
Cadmium	111-1	15440	15397	15411	15416	0.14	cps
Calcium	43-1	540267	550223	560208	550233	1.81	cps
Calcium	44-1	8357318	8514322	8444215	8438618	0.93	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	343240	341522	343613	342792	0.33	cps
Cobalt	59-2	188914	191554	190544	190337	0.70	cps
Copper	63-2	1092019	1098626	1098487	1096377	0.34	cps
Dysprosium	156-1	166026	170701	169744	168824	1.46	cps
Dysprosium	156-2	137267	136981	138260	137503	0.49	cps
Erbium	164-1	163454	168855	171118	167809	2.35	cps
Erbium	164-2	118749	117640	118471	118287	0.49	cps
Gadolinium	160-1	170788	174543	175951	173761	1.54	cps
Gadolinium	160-2	128372	128965	127672	128336	0.50	cps
Holmium	165-1	9585544	9675635	9973857	9745012	2.09	cps
Holmium	165-2	6936988	6891770	6929496	6919418	0.35	cps
Indium	115-1	8176007	8368465	8415039	8319837	1.52	cps
Indium	115-2	2643301	2702683	2611442	2652475	1.75	cps
Iron	56-2	202648477	205054917	204844177	204182524	0.65	cps
Iron	57-2	5029751	4991723	5079019	5033498	0.87	cps
Iron	54-2	11129329	11222067	11295926	11215774	0.74	cps
Krypton	83-1	393	460	483	446	10.48	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:54:14	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5542959	5610430	5657702	5603697	1.03	cps
Lead	207-1	4689810	4864871	4702256	4752313	2.06	cps
Lead	208-1	21539086	21883181	21960936	21794401	1.03	cps
Lithium	6-1	1569858	1668288	1653759	1630635	3.26	cps
Magnesium	24-2	1856200	1872050	1876449	1868233	0.57	cps
Manganese	55-2	23894274	24132713	23799725	23942237	0.72	cps
Molybdenum	94-1	63447	65167	65398	64671	1.65	cps
Molybdenum	95-1	45882	45384	45748	45671	0.56	cps
Molybdenum	96-1	56054	57596	57325	56992	1.45	cps
Molybdenum	97-1	26651	28404	27927	27661	3.28	cps
Molybdenum	98-1	68902	70077	70713	69897	1.31	cps
Neodymium	150-1	254352	261004	261887	259081	1.59	cps
Neodymium	150-2	151040	150154	150316	150503	0.31	cps
Nickel	60-2	95139	96397	96907	96148	0.95	cps
Phosphorus	31-2	43431	44725	44892	44350	1.80	cps
Potassium	39-2	886406	891462	898476	892115	0.68	cps
Rhodium	103-1	7620513	7829737	7947937	7799396	2.13	cps
Rhodium	103-2	4481747	4502363	4430376	4471495	0.83	cps
Scandium	45-1	5544527	5559816	5548465	5550936	0.14	cps
Scandium	45-2	389177	389133	387556	388622	0.24	cps
Selenium	82-1	1898	1762	1842	1834	3.72	cps
Selenium	77-2	540	507	520	522	3.21	cps
Selenium	78-2	927	830	923	893	6.14	cps
Silicon	28-1	30973741	31728639	31999868	31567416	1.68	cps
Silver	107-1	329626	340116	344005	337915	2.20	cps
Silver	109-1	312736	324432	321941	319703	1.93	cps
Sodium	23-2	1714919	1694760	1689144	1699608	0.80	cps
Strontium	86-1	470842	480187	483955	478328	1.41	cps
Strontium	88-1	4272609	4241223	4371162	4294998	1.58	cps
Sulfur	34-1	405892	411183	410700	409259	0.71	cps
Terbium	159-1	9807997	10208323	10288200	10101506	2.55	cps
Terbium	159-2	6764902	6793575	6767475	6775317	0.23	cps
Thallium	203-1	6195	6225	6428	6283	2.02	cps
Thallium	205-1	14091	14858	14521	14490	2.65	cps
Tin	118-1	51535	52345	53214	52365	1.60	cps
Titanium	47-1	853282	868221	870877	864127	1.10	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 22:54:14	DataFile Name :	114SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	124446	130616	130680	128581	2.79	cps
Vanadium	51-2	452162	456926	455554	454880	0.54	cps
Yttrium	89-1	14312944	14535694	14566456	14471698	0.96	cps
Yttrium	89-2	3374188	3334444	3362760	3357131	0.61	cps
Zinc	66-2	468739	472633	469247	470207	0.45	cps
Zirconium	90-1	104926	107161	108662	106916	1.76	cps
Zirconium	91-1	23990	24611	24087	24229	1.38	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:57:19	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1622924	1589234	1610179	1607446	1.06	cps
Antimony	121-1	10551	10931	10557	10680	2.04	cps
Arsenic	75-2	6158	6325	6335	6272	1.58	cps
Barium	135-1	379844	381576	380904	380775	0.23	cps
Barium	137-1	651194	657264	658824	655761	0.61	cps
Beryllium	9-1	1693	1823	1683	1733	4.51	cps
Bismuth	209-1	5768670	5756953	5752375	5759332	0.15	cps
Bismuth	209-2	4909176	4774689	4914754	4866206	1.63	cps
Bromine	81-1	22083	22484	23148	22572	2.38	cps
Bromine	81-2	2624	2437	2707	2589	5.34	cps
Cadmium	108-1	267	207	187	220	18.92	cps
Cadmium	106-1	2837	2824	2594	2751	4.97	cps
Cadmium	111-1	4269	4656	4422	4449	4.37	cps
Calcium	43-1	110405	112799	111983	111729	1.09	cps
Calcium	44-1	1690213	1737250	1698588	1708684	1.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	68575	70638	68016	69076	2.00	cps
Cobalt	59-2	39211	38934	38706	38950	0.65	cps
Copper	63-2	224063	223898	222496	223486	0.39	cps
Dysprosium	156-1	33574	34536	34726	34279	1.80	cps
Dysprosium	156-2	27878	27844	27013	27578	1.78	cps
Erbium	164-1	33420	34182	33761	33787	1.13	cps
Erbium	164-2	23376	23022	22558	22986	1.78	cps
Gadolinium	160-1	35288	35428	36157	35624	1.31	cps
Gadolinium	160-2	25456	25423	24896	25258	1.25	cps
Holmium	165-1	9472748	9705755	9757358	9645287	1.57	cps
Holmium	165-2	6844246	6795521	6774761	6804843	0.52	cps
Indium	115-1	8452813	8601516	8474288	8509539	0.94	cps
Indium	115-2	2672478	2709723	2705674	2695958	0.76	cps
Iron	56-2	40477344	41373214	40320335	40723631	1.39	cps
Iron	57-2	1054951	1064508	1047508	1055655	0.81	cps
Iron	54-2	2261762	2294166	2245560	2267163	1.09	cps
Krypton	83-1	230	277	253	253	9.21	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:57:19	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1014565	1018261	1020014	1017613	0.27	cps
Lead	207-1	846344	856959	851885	851729	0.62	cps
Lead	208-1	4182953	4209720	4169250	4187308	0.49	cps
Lithium	6-1	1662363	1665202	1673752	1667106	0.36	cps
Magnesium	24-2	386601	387831	384931	386454	0.38	cps
Manganese	55-2	4778214	4812403	4826673	4805763	0.52	cps
Molybdenum	94-1	12836	13366	12862	13021	2.30	cps
Molybdenum	95-1	9313	9166	9130	9203	1.06	cps
Molybdenum	96-1	11465	11638	11398	11500	1.08	cps
Molybdenum	97-1	5711	5715	5591	5672	1.24	cps
Molybdenum	98-1	13837	14324	14594	14252	2.69	cps
Neodymium	150-1	52775	53642	54046	53488	1.21	cps
Neodymium	150-2	30316	30226	29260	29934	1.95	cps
Nickel	60-2	19556	19873	19790	19740	0.83	cps
Phosphorus	31-2	8689	8749	8446	8628	1.86	cps
Potassium	39-2	212286	216345	212830	213820	1.03	cps
Rhodium	103-1	7897952	8065156	8083859	8015655	1.28	cps
Rhodium	103-2	4450535	4553296	4461518	4488450	1.26	cps
Scandium	45-1	5381768	5357748	5346747	5362088	0.33	cps
Scandium	45-2	376277	373120	375599	374999	0.44	cps
Selenium	82-1	684	557	654	631	10.52	cps
Selenium	77-2	93	100	107	100	6.67	cps
Selenium	78-2	307	380	363	350	10.98	cps
Silicon	28-1	6415185	6623257	6628857	6555766	1.86	cps
Silver	107-1	67884	69994	69740	69206	1.66	cps
Silver	109-1	64108	65808	66170	65362	1.68	cps
Sodium	23-2	362976	365192	363175	363781	0.34	cps
Strontium	86-1	96856	98218	97759	97611	0.71	cps
Strontium	88-1	845424	851311	843751	846829	0.47	cps
Sulfur	34-1	193793	193878	194444	194038	0.18	cps
Terbium	159-1	10157643	10183462	10231982	10191029	0.37	cps
Terbium	159-2	6690489	6631116	6788712	6703439	1.19	cps
Thallium	203-1	1247	1233	1270	1250	1.48	cps
Thallium	205-1	2917	3090	2987	2998	2.91	cps
Tin	118-1	10841	11044	11188	11024	1.58	cps
Titanium	47-1	171142	175264	172098	172835	1.25	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-09DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0-0.5-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 22:57:19	DataFile Name :	115SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	25257	26052	25628	25646	1.55	cps
Vanadium	51-2	90228	90184	89969	90127	0.15	cps
Yttrium	89-1	11732093	11995501	12083499	11937031	1.53	cps
Yttrium	89-2	2768569	2708643	2744230	2740480	1.10	cps
Zinc	66-2	96751	98412	96782	97315	0.98	cps
Zirconium	90-1	21533	21876	21970	21793	1.06	cps
Zirconium	91-1	4858	4804	4871	4844	0.73	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:00:30	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11352482	11524654	11402569	11426569	0.78	cps
Antimony	121-1	48167	49803	49675	49215	1.85	cps
Arsenic	75-2	38376	39703	38540	38873	1.86	cps
Barium	135-1	2444979	2438452	2492442	2458624	1.20	cps
Barium	137-1	4149310	4157822	4212397	4173176	0.82	cps
Beryllium	9-1	9443	10020	10150	9871	3.81	cps
Bismuth	209-1	5715058	5698762	5734434	5716085	0.31	cps
Bismuth	209-2	4908906	4928594	4776312	4871271	1.70	cps
Bromine	81-1	58234	64594	65387	62738	6.25	cps
Bromine	81-2	9700	10117	9817	9878	2.18	cps
Cadmium	108-1	1310	1400	1453	1388	5.22	cps
Cadmium	106-1	5341	5184	5278	5268	1.50	cps
Cadmium	111-1	17920	17991	18449	18120	1.59	cps
Calcium	43-1	659982	682555	684515	675684	2.02	cps
Calcium	44-1	10022395	10286788	10299782	10202988	1.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	511473	508019	510039	509844	0.34	cps
Cobalt	59-2	287238	291849	288520	289202	0.82	cps
Copper	63-2	1145636	1140880	1148522	1145013	0.34	cps
Dysprosium	156-1	227328	236934	235701	233321	2.24	cps
Dysprosium	156-2	189030	188040	190403	189158	0.63	cps
Erbium	164-1	231554	241284	240212	237683	2.24	cps
Erbium	164-2	166345	165879	164949	165724	0.43	cps
Gadolinium	160-1	237872	246881	245165	243306	1.97	cps
Gadolinium	160-2	178708	179839	177888	178812	0.55	cps
Holmium	165-1	9812107	9829283	10059717	9900369	1.40	cps
Holmium	165-2	7143707	7058667	6972388	7058254	1.21	cps
Indium	115-1	8335835	8212036	8254047	8267306	0.76	cps
Indium	115-2	2761933	2638669	2710894	2703832	2.29	cps
Iron	56-2	291604042	291647902	294321949	292524631	0.53	cps
Iron	57-2	7145659	7185651	7219784	7183698	0.52	cps
Iron	54-2	15744040	15593325	15579998	15639121	0.58	cps
Krypton	83-1	503	520	580	534	7.55	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:00:30	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4750117	4683815	4860912	4764948	1.88	cps
Lead	207-1	3983900	4008981	4045689	4012857	0.77	cps
Lead	208-1	18322026	18430140	18831445	18527871	1.45	cps
Lithium	6-1	1664441	1603082	1676720	1648081	2.39	cps
Magnesium	24-2	3312381	3223684	3252456	3262841	1.39	cps
Manganese	55-2	39418297	39402239	39834269	39551602	0.62	cps
Molybdenum	94-1	95200	98639	100137	97992	2.58	cps
Molybdenum	95-1	61030	61187	62694	61637	1.49	cps
Molybdenum	96-1	77273	78670	79418	78454	1.39	cps
Molybdenum	97-1	36449	37468	37939	37285	2.04	cps
Molybdenum	98-1	92920	94742	94926	94196	1.18	cps
Neodymium	150-1	354492	362897	365277	360888	1.57	cps
Neodymium	150-2	206295	206658	204462	205805	0.57	cps
Nickel	60-2	122855	121454	121676	121995	0.62	cps
Phosphorus	31-2	60492	60292	60174	60319	0.27	cps
Potassium	39-2	1347421	1364230	1315227	1342293	1.86	cps
Rhodium	103-1	7773102	7812683	7814648	7800144	0.30	cps
Rhodium	103-2	4494783	4462448	4507188	4488140	0.51	cps
Scandium	45-1	5592553	5689151	5764210	5681972	1.51	cps
Scandium	45-2	398428	393529	397618	396525	0.66	cps
Selenium	82-1	1749	1752	1794	1765	1.44	cps
Selenium	77-2	687	660	673	673	1.98	cps
Selenium	78-2	973	1030	907	970	6.36	cps
Silicon	28-1	44759641	45306898	46078199	45381579	1.46	cps
Silver	107-1	244524	253193	254202	250640	2.12	cps
Silver	109-1	233519	239262	244938	239239	2.39	cps
Sodium	23-2	1839571	1809998	1788142	1812570	1.42	cps
Strontium	86-1	536968	548795	559763	548508	2.08	cps
Strontium	88-1	4773309	4936799	4907291	4872466	1.79	cps
Sulfur	34-1	433673	437021	434457	435050	0.40	cps
Terbium	159-1	10313267	10428689	10301963	10347973	0.68	cps
Terbium	159-2	6953874	7056603	7068094	7026191	0.90	cps
Thallium	203-1	8499	8486	8696	8561	1.37	cps
Thallium	205-1	19825	20819	20375	20340	2.45	cps
Tin	118-1	56601	57819	59301	57907	2.34	cps
Titanium	47-1	1027949	1048946	1072938	1049944	2.14	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:00:30	DataFile Name :	116SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	127587	132608	132683	130959	2.23	cps
Vanadium	51-2	615912	613810	608395	612706	0.63	cps
Yttrium	89-1	15740591	15701858	15935286	15792579	0.79	cps
Yttrium	89-2	3673101	3635167	3660353	3656207	0.53	cps
Zinc	66-2	658978	659424	655826	658076	0.30	cps
Zirconium	90-1	169393	175075	176640	173702	2.20	cps
Zirconium	91-1	38902	39236	38982	39040	0.45	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:03:34	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2183919	2191381	2177695	2184332	0.31	cps
Antimony	121-1	9033	9660	9406	9366	3.37	cps
Arsenic	75-2	7172	7289	7138	7200	1.09	cps
Barium	135-1	441371	445914	446937	444741	0.67	cps
Barium	137-1	766386	771698	773095	770393	0.46	cps
Beryllium	9-1	2110	1933	1987	2010	4.51	cps
Bismuth	209-1	5882990	5711062	5701697	5765250	1.77	cps
Bismuth	209-2	4783700	4915108	4944785	4881198	1.76	cps
Bromine	81-1	19326	20224	20494	20015	3.06	cps
Bromine	81-2	1973	2204	2187	2121	6.05	cps
Cadmium	108-1	237	303	290	277	12.75	cps
Cadmium	106-1	2930	2934	2640	2835	5.94	cps
Cadmium	111-1	4856	4938	4696	4830	2.56	cps
Calcium	43-1	129436	130184	130620	130080	0.46	cps
Calcium	44-1	1975005	2025795	1984298	1995033	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97909	98845	97308	98021	0.79	cps
Cobalt	59-2	56202	56034	55178	55804	0.98	cps
Copper	63-2	225956	225090	222810	224619	0.72	cps
Dysprosium	156-1	44346	44430	45182	44653	1.03	cps
Dysprosium	156-2	35639	36200	35862	35900	0.79	cps
Erbium	164-1	44367	45745	45688	45266	1.72	cps
Erbium	164-2	32090	31723	31616	31810	0.78	cps
Gadolinium	160-1	46400	47193	46754	46782	0.85	cps
Gadolinium	160-2	35217	34619	34553	34796	1.05	cps
Holmium	165-1	9775830	9678838	9770550	9741739	0.56	cps
Holmium	165-2	6816357	6950064	6832922	6866448	1.06	cps
Indium	115-1	8386187	8330687	8351067	8355980	0.34	cps
Indium	115-2	2730889	2700908	2695881	2709226	0.70	cps
Iron	56-2	55024143	55385004	55491226	55300124	0.44	cps
Iron	57-2	1378984	1392712	1363336	1378344	1.07	cps
Iron	54-2	3038097	3062027	3023082	3041068	0.65	cps
Krypton	83-1	317	237	233	262	17.99	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:03:34	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	818413	823588	821306	821102	0.32	cps
Lead	207-1	686443	687896	693549	689296	0.54	cps
Lead	208-1	3422634	3405426	3366538	3398199	0.85	cps
Lithium	6-1	1632085	1625399	1655431	1637638	0.96	cps
Magnesium	24-2	651900	645336	644871	647369	0.61	cps
Manganese	55-2	7443276	7633767	7638271	7571771	1.47	cps
Molybdenum	94-1	18679	18806	19196	18893	1.43	cps
Molybdenum	95-1	11785	12115	11978	11959	1.39	cps
Molybdenum	96-1	14978	15281	15515	15258	1.77	cps
Molybdenum	97-1	7212	7345	7409	7322	1.37	cps
Molybdenum	98-1	17844	18358	18382	18195	1.67	cps
Neodymium	150-1	68392	69544	69731	69222	1.05	cps
Neodymium	150-2	39676	38977	38743	39132	1.24	cps
Nickel	60-2	23201	23645	23692	23513	1.15	cps
Phosphorus	31-2	11504	11484	11551	11513	0.30	cps
Potassium	39-2	310238	308260	306538	308345	0.60	cps
Rhodium	103-1	7840001	7902127	7948885	7897004	0.69	cps
Rhodium	103-2	4442534	4568683	4545295	4518838	1.49	cps
Scandium	45-1	5210363	5217454	5475256	5301024	2.85	cps
Scandium	45-2	371937	378030	377815	375927	0.92	cps
Selenium	82-1	566	676	630	624	8.82	cps
Selenium	77-2	130	163	117	137	17.59	cps
Selenium	78-2	377	337	353	356	5.65	cps
Silicon	28-1	8934720	9279619	9352678	9189005	2.43	cps
Silver	107-1	47845	48869	48845	48520	1.20	cps
Silver	109-1	46748	46939	46785	46824	0.22	cps
Sodium	23-2	373468	372640	371397	372502	0.28	cps
Strontium	86-1	105672	105874	107761	106436	1.08	cps
Strontium	88-1	914186	923328	927133	921549	0.72	cps
Sulfur	34-1	190114	192899	190111	191041	0.84	cps
Terbium	159-1	9958119	10021754	10233578	10071150	1.43	cps
Terbium	159-2	6722241	6865998	6680387	6756209	1.44	cps
Thallium	203-1	1540	1600	1703	1615	5.12	cps
Thallium	205-1	3834	3921	3761	3838	2.09	cps
Tin	118-1	11261	11668	11488	11472	1.78	cps
Titanium	47-1	197543	198911	198252	198235	0.35	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-10DLX5	Instrumnet Name :	P7
Client Sample ID :	S-928-K1-SO-0.5-1-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:03:34	DataFile Name :	117SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24787	25124	24980	24963	0.68	cps
Vanadium	51-2	115723	116443	115989	116051	0.31	cps
Yttrium	89-1	12197776	12326056	11996397	12173410	1.37	cps
Yttrium	89-2	2868255	2838553	2829489	2845433	0.71	cps
Zinc	66-2	128693	133140	129671	130501	1.79	cps
Zirconium	90-1	33031	33552	33582	33388	0.93	cps
Zirconium	91-1	7429	7572	7188	7396	2.62	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:06:44	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14277969	14374766	14233206	14295314	0.51	cps
Antimony	121-1	17678	18188	18192	18019	1.64	cps
Arsenic	75-2	27960	27696	27793	27816	0.48	cps
Barium	135-1	983198	990882	1000945	991675	0.90	cps
Barium	137-1	1821444	1853760	1823483	1832896	0.99	cps
Beryllium	9-1	7045	7005	7008	7019	0.32	cps
Bismuth	209-1	5281794	5415990	5395032	5364272	1.35	cps
Bismuth	209-2	4765906	4620160	4618641	4668236	1.81	cps
Bromine	81-1	20581	21739	21826	21382	3.25	cps
Bromine	81-2	2550	2744	2667	2654	3.67	cps
Cadmium	108-1	2020	2077	2020	2039	1.60	cps
Cadmium	106-1	5951	6218	6268	6146	2.77	cps
Cadmium	111-1	23056	23050	23575	23227	1.30	cps
Calcium	43-1	1481234	1533814	1520807	1511952	1.81	cps
Calcium	44-1	23542255	24119195	24597178	24086209	2.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	588517	597122	593201	592947	0.73	cps
Cobalt	59-2	564193	563644	561259	563032	0.28	cps
Copper	63-2	4112639	4095006	4112865	4106837	0.25	cps
Dysprosium	156-1	158274	162246	166212	162244	2.45	cps
Dysprosium	156-2	135422	132893	133649	133988	0.97	cps
Erbium	164-1	143323	146092	148706	146041	1.84	cps
Erbium	164-2	103097	102583	103504	103062	0.45	cps
Gadolinium	160-1	158863	157249	159915	158676	0.85	cps
Gadolinium	160-2	117111	117028	117888	117342	0.40	cps
Holmium	165-1	9459308	9316145	9461901	9412451	0.89	cps
Holmium	165-2	6819235	6633962	6697156	6716784	1.40	cps
Indium	115-1	8067243	7947447	8133832	8049508	1.17	cps
Indium	115-2	2594185	2618540	2614465	2609063	0.50	cps
Iron	56-2	443392593	448650207	453639367	448560722	1.14	cps
Iron	57-2	11129448	11180049	11130291	11146596	0.26	cps
Iron	54-2	24844030	24539375	24194740	24526049	1.32	cps
Krypton	83-1	367	423	343	378	10.89	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:06:44	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4197832	4333381	4320869	4284027	1.75	cps
Lead	207-1	3674033	3621815	3724866	3673572	1.40	cps
Lead	208-1	16494699	16808957	16829267	16710974	1.12	cps
Lithium	6-1	1559958	1570587	1602161	1577569	1.39	cps
Magnesium	24-2	10223611	10336278	10168488	10242792	0.83	cps
Manganese	55-2	5678217	5710255	5765709	5718060	0.77	cps
Molybdenum	94-1	231023	237795	236319	235046	1.51	cps
Molybdenum	95-1	22234	23259	23402	22965	2.78	cps
Molybdenum	96-1	67579	69022	70248	68949	1.94	cps
Molybdenum	97-1	14461	15035	14744	14746	1.95	cps
Molybdenum	98-1	35216	37044	36903	36388	2.80	cps
Neodymium	150-1	258473	260517	262461	260484	0.77	cps
Neodymium	150-2	152630	151451	149912	151331	0.90	cps
Nickel	60-2	207773	207338	208682	207931	0.33	cps
Phosphorus	31-2	42890	43044	43157	43030	0.31	cps
Potassium	39-2	1558255	1572967	1581559	1570927	0.75	cps
Rhodium	103-1	7480679	7535279	7532753	7516237	0.41	cps
Rhodium	103-2	4290665	4347212	4357055	4331644	0.83	cps
Scandium	45-1	5388061	5507348	5704497	5533302	2.89	cps
Scandium	45-2	393742	395290	393490	394174	0.25	cps
Selenium	82-1	1004	957	1064	1008	5.33	cps
Selenium	77-2	453	427	463	448	4.23	cps
Selenium	78-2	593	617	573	594	3.65	cps
Silicon	28-1	46383263	47371459	47775846	47176856	1.52	cps
Silver	107-1	354050	361631	363894	359859	1.43	cps
Silver	109-1	330874	333840	341702	335472	1.67	cps
Sodium	23-2	1431987	1454627	1432515	1439710	0.90	cps
Strontium	86-1	862528	876954	879259	872914	1.04	cps
Strontium	88-1	7773384	7746342	7772646	7764124	0.20	cps
Sulfur	34-1	335814	341113	341880	339602	0.97	cps
Terbium	159-1	9901957	9977835	9998058	9959283	0.51	cps
Terbium	159-2	6731911	6676143	6626197	6678084	0.79	cps
Thallium	203-1	5438	5761	6068	5756	5.48	cps
Thallium	205-1	13430	13767	13367	13521	1.59	cps
Tin	118-1	61722	63228	62395	62448	1.21	cps
Titanium	47-1	2539642	2579398	2597434	2572158	1.15	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:06:44	DataFile Name :	118SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	122238	123257	126063	123853	1.60	cps
Vanadium	51-2	867962	870144	867335	868480	0.17	cps
Yttrium	89-1	13301845	13277832	13560150	13379942	1.17	cps
Yttrium	89-2	3110894	3103428	3107096	3107139	0.12	cps
Zinc	66-2	732809	728949	735019	732259	0.42	cps
Zirconium	90-1	592448	610950	613181	605526	1.88	cps
Zirconium	91-1	134711	137184	138410	136769	1.38	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:09:47	DataFile Name :	119SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2861387	2856729	2816366	2844827	0.87	cps
Antimony	121-1	3831	3811	3877	3839	0.89	cps
Arsenic	75-2	5464	5684	5741	5630	2.60	cps
Barium	135-1	200811	203730	202098	202213	0.72	cps
Barium	137-1	349450	350667	349802	349973	0.18	cps
Beryllium	9-1	1423	1400	1473	1432	2.62	cps
Bismuth	209-1	5672956	5509186	5641780	5607974	1.55	cps
Bismuth	209-2	4775917	4863473	4759392	4799594	1.17	cps
Bromine	81-1	11224	11431	10984	11213	2.00	cps
Bromine	81-2	630	663	673	656	3.46	cps
Cadmium	108-1	467	383	550	467	17.86	cps
Cadmium	106-1	3150	3160	3010	3107	2.70	cps
Cadmium	111-1	6159	6331	6010	6167	2.61	cps
Calcium	43-1	317621	315360	317239	316740	0.38	cps
Calcium	44-1	4827651	4790045	4867662	4828452	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	120104	119751	119516	119790	0.25	cps
Cobalt	59-2	115618	114758	114255	114877	0.60	cps
Copper	63-2	832360	830507	825634	829500	0.42	cps
Dysprosium	156-1	32595	32501	33487	32861	1.66	cps
Dysprosium	156-2	26338	26505	26044	26296	0.89	cps
Erbium	164-1	28840	29391	28960	29064	1.00	cps
Erbium	164-2	20482	20231	19624	20112	2.19	cps
Gadolinium	160-1	31679	31201	32120	31667	1.45	cps
Gadolinium	160-2	23640	23199	23473	23437	0.95	cps
Holmium	165-1	9762829	9549381	9564479	9625563	1.24	cps
Holmium	165-2	6551400	6693706	6741649	6662251	1.49	cps
Indium	115-1	8386425	8446025	8299942	8377464	0.88	cps
Indium	115-2	2678503	2706456	2650384	2678448	1.05	cps
Iron	56-2	90930009	92431065	90320649	91227241	1.19	cps
Iron	57-2	2262516	2279752	2287434	2276567	0.56	cps
Iron	54-2	4943130	4979945	4934123	4952399	0.49	cps
Krypton	83-1	287	200	260	249	17.84	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:09:47	DataFile Name :	119SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	792136	789952	786146	789411	0.38	cps
Lead	207-1	665027	664832	668226	666028	0.29	cps
Lead	208-1	3276979	3067068	3265944	3203330	3.69	cps
Lithium	6-1	1653995	1608107	1645006	1635703	1.49	cps
Magnesium	24-2	2047596	2085932	2010144	2047890	1.85	cps
Manganese	55-2	1165689	1165613	1165098	1165467	0.03	cps
Molybdenum	94-1	46922	46905	47630	47152	0.88	cps
Molybdenum	95-1	4761	4871	4898	4843	1.50	cps
Molybdenum	96-1	14224	14050	14197	14157	0.66	cps
Molybdenum	97-1	3134	3104	3220	3153	1.92	cps
Molybdenum	98-1	7419	7639	7579	7545	1.51	cps
Neodymium	150-1	52337	53601	52514	52818	1.30	cps
Neodymium	150-2	29945	30095	30196	30079	0.42	cps
Nickel	60-2	42667	44008	42259	42978	2.13	cps
Phosphorus	31-2	8532	8609	8612	8585	0.53	cps
Potassium	39-2	368043	373291	366430	369255	0.97	cps
Rhodium	103-1	7756820	7800507	7833895	7797074	0.50	cps
Rhodium	103-2	4537558	4524013	4514328	4525300	0.26	cps
Scandium	45-1	5286753	5412599	5295414	5331589	1.32	cps
Scandium	45-2	373914	379280	370654	374616	1.16	cps
Selenium	82-1	352	517	470	446	19.12	cps
Selenium	77-2	70	90	110	90	22.22	cps
Selenium	78-2	327	347	300	324	7.22	cps
Silicon	28-1	9586841	9913168	9835856	9778622	1.74	cps
Silver	107-1	72389	74212	75609	74070	2.18	cps
Silver	109-1	68933	69991	70862	69929	1.38	cps
Sodium	23-2	310655	311068	309975	310566	0.18	cps
Strontium	86-1	175834	177814	177029	176892	0.56	cps
Strontium	88-1	1583963	1557172	1558951	1566695	0.96	cps
Sulfur	34-1	184503	187364	183555	185140	1.07	cps
Terbium	159-1	10052379	9937051	9911345	9966925	0.75	cps
Terbium	159-2	6742126	6782778	6713153	6746019	0.52	cps
Thallium	203-1	1233	1127	1300	1220	7.17	cps
Thallium	205-1	3130	2917	2977	3008	3.66	cps
Tin	118-1	12842	13076	13059	12993	1.00	cps
Titanium	47-1	520309	525564	525521	523798	0.58	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-11DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:09:47	DataFile Name :	119SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	24576	24573	24740	24629	0.39	cps
Vanadium	51-2	171487	172960	171273	171907	0.53	cps
Yttrium	89-1	11747074	11718513	11584527	11683371	0.74	cps
Yttrium	89-2	2690335	2734987	2719174	2714832	0.83	cps
Zinc	66-2	153005	151836	152105	152316	0.40	cps
Zirconium	90-1	121888	120536	122476	121633	0.82	cps
Zirconium	91-1	26875	27416	27619	27303	1.41	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:12:56	DataFile Name :	120SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18209023	18547389	18081190	18279201	1.32	cps
Antimony	121-1	14454	14547	14554	14518	0.39	cps
Arsenic	75-2	43390	43978	43102	43490	1.03	cps
Barium	135-1	971075	1000878	997528	989827	1.65	cps
Barium	137-1	1795141	1875267	1837076	1835828	2.18	cps
Beryllium	9-1	6265	6185	6591	6347	3.40	cps
Bismuth	209-1	5385646	5402150	5449248	5412348	0.61	cps
Bismuth	209-2	4682617	4649276	5089658	4807183	5.10	cps
Bromine	81-1	23823	25055	25208	24695	3.08	cps
Bromine	81-2	3320	3154	3234	3236	2.58	cps
Cadmium	108-1	4137	3671	4051	3953	6.28	cps
Cadmium	106-1	8853	8913	8613	8793	1.81	cps
Cadmium	111-1	49829	50920	50457	50402	1.09	cps
Calcium	43-1	1579601	1614869	1661966	1618812	2.55	cps
Calcium	44-1	25706360	26289632	25605225	25867072	1.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	733357	726956	725297	728537	0.58	cps
Cobalt	59-2	734503	740592	728096	734397	0.85	cps
Copper	63-2	8004568	8078237	8020947	8034584	0.48	cps
Dysprosium	156-1	161895	164849	165068	163937	1.08	cps
Dysprosium	156-2	130682	132418	130924	131341	0.72	cps
Erbium	164-1	137933	144087	144091	142037	2.50	cps
Erbium	164-2	99410	98048	99827	99095	0.94	cps
Gadolinium	160-1	156867	159369	158300	158179	0.79	cps
Gadolinium	160-2	115592	116547	115784	115974	0.44	cps
Holmium	165-1	9502410	9711435	9584438	9599428	1.10	cps
Holmium	165-2	6949016	6759244	7460915	7056392	5.14	cps
Indium	115-1	7940746	8104774	8063994	8036505	1.06	cps
Indium	115-2	2591411	2662980	2846138	2700176	4.87	cps
Iron	56-2	572036031	572399005	570505672	571646903	0.18	cps
Iron	57-2	14217194	14021471	13797011	14011892	1.50	cps
Iron	54-2	31014072	31162004	30838301	31004792	0.52	cps
Krypton	83-1	417	460	477	451	6.87	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:12:56	DataFile Name :	120SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5544191	5574104	5474923	5531073	0.92	cps
Lead	207-1	4703746	4810261	4768474	4760827	1.13	cps
Lead	208-1	21536896	22179088	21696083	21804022	1.53	cps
Lithium	6-1	1608396	1647095	1611739	1622410	1.32	cps
Magnesium	24-2	16028242	16212636	15766720	16002533	1.40	cps
Manganese	55-2	6067773	5914489	5996393	5992885	1.28	cps
Molybdenum	94-1	202731	206358	207453	205514	1.20	cps
Molybdenum	95-1	27990	29122	28434	28516	2.00	cps
Molybdenum	96-1	70094	71487	70727	70769	0.99	cps
Molybdenum	97-1	18078	18458	17988	18175	1.37	cps
Molybdenum	98-1	45069	45615	45086	45257	0.69	cps
Neodymium	150-1	255670	259129	260285	258361	0.93	cps
Neodymium	150-2	148463	149562	149310	149111	0.39	cps
Nickel	60-2	294508	296530	295210	295416	0.35	cps
Phosphorus	31-2	41035	40179	39765	40326	1.61	cps
Potassium	39-2	1695844	1656163	1672030	1674679	1.19	cps
Rhodium	103-1	7409973	7529138	7539560	7492890	0.96	cps
Rhodium	103-2	4299227	4282050	4579561	4386946	3.81	cps
Scandium	45-1	5649212	5691282	5583374	5641289	0.96	cps
Scandium	45-2	402966	397372	430189	410175	4.28	cps
Selenium	82-1	1243	1381	1338	1321	5.36	cps
Selenium	77-2	480	403	453	446	8.74	cps
Selenium	78-2	657	727	667	683	5.54	cps
Silicon	28-1	30094444	30988178	31519393	30867338	2.33	cps
Silver	107-1	447787	456249	455917	453318	1.06	cps
Silver	109-1	430588	430097	433789	431491	0.46	cps
Sodium	23-2	2382305	2351133	2350926	2361455	0.76	cps
Strontium	86-1	819349	837401	841787	832846	1.43	cps
Strontium	88-1	7309371	7500287	7497972	7435877	1.47	cps
Sulfur	34-1	304729	311492	308428	308216	1.10	cps
Terbium	159-1	10068715	10021041	10150226	10079994	0.65	cps
Terbium	159-2	6826547	6554919	7292705	6891391	5.41	cps
Thallium	203-1	5501	5668	5748	5639	2.23	cps
Thallium	205-1	13517	13273	14071	13620	3.00	cps
Tin	118-1	75222	76954	78406	76860	2.07	cps
Titanium	47-1	2700208	2729720	2676434	2702121	0.99	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:12:56	DataFile Name :	120SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	138448	140842	142469	140586	1.44	cps
Vanadium	51-2	1242804	1231322	1229863	1234663	0.57	cps
Yttrium	89-1	13131522	13146960	13624201	13300894	2.11	cps
Yttrium	89-2	3085773	3108530	3301432	3165245	3.74	cps
Zinc	66-2	1272441	1277625	1252411	1267492	1.05	cps
Zirconium	90-1	508796	518470	522024	516430	1.33	cps
Zirconium	91-1	112937	116028	117378	115448	1.97	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:15:58	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3599128	3644844	3610527	3618166	0.66	cps
Antimony	121-1	2867	3240	3244	3117	6.95	cps
Arsenic	75-2	8569	8639	8179	8462	2.93	cps
Barium	135-1	201877	204039	199766	201894	1.06	cps
Barium	137-1	346765	351736	345537	348013	0.94	cps
Beryllium	9-1	1343	1327	1380	1350	2.02	cps
Bismuth	209-1	5706442	5730751	5757036	5731410	0.44	cps
Bismuth	209-2	4885575	4695895	4799726	4793732	1.98	cps
Bromine	81-1	11982	12128	11598	11903	2.30	cps
Bromine	81-2	810	790	787	796	1.59	cps
Cadmium	108-1	760	757	867	794	7.88	cps
Cadmium	106-1	3724	3674	3560	3653	2.29	cps
Cadmium	111-1	11741	11689	11572	11667	0.74	cps
Calcium	43-1	342002	338184	345763	341983	1.11	cps
Calcium	44-1	5153856	5179035	5271173	5201354	1.19	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	146467	145528	145501	145832	0.38	cps
Cobalt	59-2	149254	149682	150018	149651	0.26	cps
Copper	63-2	1656133	1678895	1631436	1655488	1.43	cps
Dysprosium	156-1	32621	32344	32501	32489	0.43	cps
Dysprosium	156-2	25917	26639	26672	26409	1.61	cps
Erbium	164-1	28158	28149	27968	28092	0.38	cps
Erbium	164-2	19404	19918	19417	19579	1.50	cps
Gadolinium	160-1	30774	31459	31833	31355	1.71	cps
Gadolinium	160-2	22705	22849	23406	22987	1.61	cps
Holmium	165-1	9742070	9798210	9805073	9781784	0.35	cps
Holmium	165-2	6785475	6734538	6796512	6772175	0.49	cps
Indium	115-1	8491506	8441696	8468523	8467242	0.29	cps
Indium	115-2	2709283	2677705	2659282	2682090	0.94	cps
Iron	56-2	113233308	113501838	112250252	112995133	0.58	cps
Iron	57-2	2895396	2867075	2827605	2863359	1.19	cps
Iron	54-2	6156853	6296889	6143846	6199196	1.37	cps
Krypton	83-1	253	257	230	247	5.89	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:15:58	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1006714	1025684	1018031	1016810	0.94	cps
Lead	207-1	851468	869966	852501	857978	1.21	cps
Lead	208-1	4186288	4264736	4224279	4225101	0.93	cps
Lithium	6-1	1641363	1678648	1615993	1645335	1.92	cps
Magnesium	24-2	3137044	3180247	3132099	3149797	0.84	cps
Manganese	55-2	1208742	1217446	1192498	1206229	1.05	cps
Molybdenum	94-1	39446	40823	40556	40275	1.81	cps
Molybdenum	95-1	5885	5578	5578	5680	3.12	cps
Molybdenum	96-1	13943	13730	14274	13982	1.96	cps
Molybdenum	97-1	3774	3757	3647	3726	1.85	cps
Molybdenum	98-1	8589	9126	9633	9116	5.73	cps
Neodymium	150-1	52404	52564	51052	52007	1.60	cps
Neodymium	150-2	28997	29144	29053	29064	0.26	cps
Nickel	60-2	60217	61298	60398	60638	0.96	cps
Phosphorus	31-2	7962	8122	8059	8048	1.00	cps
Potassium	39-2	388795	392940	389506	390414	0.57	cps
Rhodium	103-1	7873915	7997607	7868441	7913321	0.92	cps
Rhodium	103-2	4590825	4454903	4472554	4506094	1.64	cps
Scandium	45-1	5480861	5465908	5397170	5447980	0.82	cps
Scandium	45-2	375826	377293	377032	376717	0.21	cps
Selenium	82-1	585	509	550	548	6.96	cps
Selenium	77-2	70	97	107	91	20.80	cps
Selenium	78-2	377	313	357	349	9.28	cps
Silicon	28-1	6464433	6603806	6513402	6527214	1.08	cps
Silver	107-1	91731	93865	94595	93397	1.59	cps
Silver	109-1	87482	88944	88743	88390	0.90	cps
Sodium	23-2	499183	498610	500635	499476	0.21	cps
Strontium	86-1	166585	166750	166305	166547	0.14	cps
Strontium	88-1	1483178	1461806	1485974	1476986	0.90	cps
Sulfur	34-1	183503	183022	183342	183289	0.13	cps
Terbium	159-1	10310488	10103209	10181884	10198527	1.03	cps
Terbium	159-2	6665797	6630309	6837795	6711300	1.65	cps
Thallium	203-1	1210	1180	1017	1136	9.16	cps
Thallium	205-1	2950	2804	2934	2896	2.77	cps
Tin	118-1	14945	15395	15495	15278	1.92	cps
Titanium	47-1	540338	553655	556676	550223	1.58	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-12DLX5	Instrumnet Name :	P7
Client Sample ID :	S-903-J-SO-0.5-1.0-0819	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:15:58	DataFile Name :	121SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27198	28808	28086	28031	2.88	cps
Vanadium	51-2	246708	245128	244020	245285	0.55	cps
Yttrium	89-1	11822992	11840436	11928646	11864025	0.48	cps
Yttrium	89-2	2748191	2785784	2748778	2760918	0.78	cps
Zinc	66-2	266243	261460	261521	263075	1.04	cps
Zirconium	90-1	101408	102991	102686	102362	0.82	cps
Zirconium	91-1	22491	22724	23429	22881	2.13	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:19:06	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2751449	2785521	2791908	2776293	0.78	cps
Antimony	121-1	97112	99336	99253	98567	1.28	cps
Arsenic	75-2	36050	35904	36538	36164	0.92	cps
Barium	135-1	1187277	1210057	1223002	1206778	1.50	cps
Barium	137-1	2191722	2238103	2277929	2235918	1.93	cps
Beryllium	9-1	3210	3500	3574	3428	5.61	cps
Bismuth	209-1	5638179	5662675	5589042	5629965	0.67	cps
Bismuth	209-2	4768986	4881080	4814315	4821460	1.17	cps
Bromine	81-1	70665	79013	79600	76426	6.54	cps
Bromine	81-2	12302	12245	12405	12317	0.66	cps
Cadmium	108-1	503	637	527	556	12.82	cps
Cadmium	106-1	3474	3497	3544	3505	1.02	cps
Cadmium	111-1	8274	8307	8187	8256	0.75	cps
Calcium	43-1	854723	848297	876779	859933	1.74	cps
Calcium	44-1	13135233	12968436	12963898	13022522	0.75	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	209317	212784	210426	210842	0.84	cps
Cobalt	59-2	58249	58028	58072	58117	0.20	cps
Copper	63-2	868676	862577	865762	865672	0.35	cps
Dysprosium	156-1	70908	73699	72871	72493	1.98	cps
Dysprosium	156-2	59619	59074	59439	59377	0.47	cps
Erbium	164-1	71830	73861	72336	72675	1.45	cps
Erbium	164-2	51996	51605	51304	51635	0.67	cps
Gadolinium	160-1	74413	75911	78384	76236	2.63	cps
Gadolinium	160-2	57079	56303	55255	56212	1.63	cps
Holmium	165-1	9609887	9794779	9566118	9656928	1.26	cps
Holmium	165-2	6782482	6783702	6817577	6794587	0.29	cps
Indium	115-1	8291180	8374017	8229111	8298102	0.88	cps
Indium	115-2	2727679	2722108	2690712	2713500	0.73	cps
Iron	56-2	162411124	158496071	159285951	160064382	1.29	cps
Iron	57-2	3948244	3969497	3959576	3959106	0.27	cps
Iron	54-2	8550801	8675244	8551531	8592525	0.83	cps
Krypton	83-1	267	303	337	302	11.59	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:19:06	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5552359	5603036	5784623	5646673	2.16	cps
Lead	207-1	4855322	4919860	4898872	4891351	0.67	cps
Lead	208-1	22061361	22515917	22515276	22364185	1.17	cps
Lithium	6-1	1628689	1666841	1588811	1628114	2.40	cps
Magnesium	24-2	1359266	1394266	1378162	1377231	1.27	cps
Manganese	55-2	15935846	15601234	15785735	15774272	1.06	cps
Molybdenum	94-1	42719	44815	43615	43716	2.41	cps
Molybdenum	95-1	26835	27860	26581	27092	2.50	cps
Molybdenum	96-1	35092	35463	35567	35374	0.71	cps
Molybdenum	97-1	16059	16453	16419	16310	1.34	cps
Molybdenum	98-1	41271	42274	42271	41939	1.38	cps
Neodymium	150-1	111887	113637	113903	113142	0.97	cps
Neodymium	150-2	66165	64186	65096	65149	1.52	cps
Nickel	60-2	55368	54408	53846	54541	1.41	cps
Phosphorus	31-2	40032	39404	40393	39943	1.25	cps
Potassium	39-2	564905	565028	565777	565236	0.08	cps
Rhodium	103-1	7853317	7859897	7713396	7808870	1.06	cps
Rhodium	103-2	4577105	4543067	4557594	4559255	0.37	cps
Scandium	45-1	5404891	5380549	5300221	5361887	1.02	cps
Scandium	45-2	380801	378337	377126	378754	0.49	cps
Selenium	82-1	2266	2360	2285	2303	2.16	cps
Selenium	77-2	370	317	370	352	8.74	cps
Selenium	78-2	920	827	957	901	7.44	cps
Silicon	28-1	25604464	25725531	25355823	25561939	0.74	cps
Silver	107-1	53843	55301	55854	54999	1.89	cps
Silver	109-1	50190	52782	53605	52192	3.42	cps
Sodium	23-2	4110960	4100387	4115857	4109068	0.19	cps
Strontium	86-1	626239	648458	640043	638247	1.76	cps
Strontium	88-1	5555226	5845903	5622561	5674563	2.68	cps
Sulfur	34-1	508632	518218	508096	511649	1.11	cps
Terbium	159-1	10008929	10202051	10172815	10127932	1.03	cps
Terbium	159-2	6946269	6847934	6658174	6817459	2.15	cps
Thallium	203-1	3564	3517	3504	3528	0.89	cps
Thallium	205-1	8766	8579	8820	8722	1.45	cps
Tin	118-1	80333	81127	81895	81118	0.96	cps
Titanium	47-1	937362	953499	946601	945821	0.86	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:19:06	DataFile Name :	122SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70341	70954	72164	71153	1.30	cps
Vanadium	51-2	491968	488956	486861	489262	0.52	cps
Yttrium	89-1	12361301	13245033	12562142	12722825	3.64	cps
Yttrium	89-2	2981913	2911635	2986608	2960052	1.42	cps
Zinc	66-2	131667	131261	131349	131426	0.16	cps
Zirconium	90-1	75241	78656	77704	77200	2.28	cps
Zirconium	91-1	17063	17264	17364	17230	0.89	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:22:14	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	553137	554601	557963	555234	0.45	cps
Antimony	121-1	19790	19850	19897	19846	0.27	cps
Arsenic	75-2	6958	6755	6922	6878	1.58	cps
Barium	135-1	243250	242191	240590	242010	0.55	cps
Barium	137-1	416145	415659	422584	418129	0.92	cps
Beryllium	9-1	620	710	600	643	9.11	cps
Bismuth	209-1	5700115	5776246	5797869	5758077	0.89	cps
Bismuth	209-2	4911923	4878041	5023267	4937744	1.54	cps
Bromine	81-1	23342	23739	23646	23576	0.88	cps
Bromine	81-2	2687	2634	2654	2658	1.01	cps
Cadmium	108-1	83	107	113	101	15.58	cps
Cadmium	106-1	2690	2677	2537	2635	3.22	cps
Cadmium	111-1	3122	2896	2917	2978	4.19	cps
Calcium	43-1	169906	170238	172180	170775	0.72	cps
Calcium	44-1	2623943	2624874	2638329	2629049	0.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41794	41784	41744	41774	0.06	cps
Cobalt	59-2	11951	11481	11578	11670	2.13	cps
Copper	63-2	175097	173730	173164	173997	0.57	cps
Dysprosium	156-1	13980	14034	14304	14106	1.23	cps
Dysprosium	156-2	11471	11425	11855	11584	2.04	cps
Erbium	164-1	14584	14474	14434	14498	0.54	cps
Erbium	164-2	9830	9867	9977	9891	0.77	cps
Gadolinium	160-1	14875	15035	15215	15041	1.13	cps
Gadolinium	160-2	10584	11421	11108	11038	3.83	cps
Holmium	165-1	9690333	9658688	9742375	9697132	0.44	cps
Holmium	165-2	6804137	6870496	6683716	6786117	1.40	cps
Indium	115-1	8365617	8463565	8510782	8446655	0.88	cps
Indium	115-2	2713477	2681286	2738379	2711047	1.06	cps
Iron	56-2	32269129	31351483	31386795	31669135	1.64	cps
Iron	57-2	824487	815455	808994	816312	0.95	cps
Iron	54-2	1720697	1727751	1723813	1724087	0.21	cps
Krypton	83-1	177	243	240	220	17.08	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:22:14	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1024868	1014063	1023668	1020867	0.58	cps
Lead	207-1	861455	855884	871319	862886	0.91	cps
Lead	208-1	4261502	4216152	4269157	4248937	0.67	cps
Lithium	6-1	1644653	1614589	1628732	1629324	0.92	cps
Magnesium	24-2	281152	277827	281328	280102	0.70	cps
Manganese	55-2	3140423	3093202	3119869	3117831	0.76	cps
Molybdenum	94-1	8519	8786	9016	8774	2.83	cps
Molybdenum	95-1	5594	5521	5368	5494	2.11	cps
Molybdenum	96-1	7208	6912	7269	7130	2.68	cps
Molybdenum	97-1	3154	3390	3254	3266	3.64	cps
Molybdenum	98-1	8516	8066	8349	8310	2.74	cps
Neodymium	150-1	22922	22912	22214	22683	1.79	cps
Neodymium	150-2	12602	12489	12469	12520	0.57	cps
Nickel	60-2	11104	11011	11181	11099	0.77	cps
Phosphorus	31-2	7479	7672	8212	7788	4.88	cps
Potassium	39-2	148465	146804	146429	147233	0.74	cps
Rhodium	103-1	8072472	7898759	7804911	7925380	1.71	cps
Rhodium	103-2	4510381	4597632	4616353	4574788	1.24	cps
Scandium	45-1	5397520	5358870	5350517	5368969	0.47	cps
Scandium	45-2	378490	375422	377684	377199	0.42	cps
Selenium	82-1	769	691	701	720	5.89	cps
Selenium	77-2	63	43	43	50	23.10	cps
Selenium	78-2	230	403	377	337	27.72	cps
Silicon	28-1	5179588	5462960	5229890	5290813	2.86	cps
Silver	107-1	11308	11425	11174	11302	1.11	cps
Silver	109-1	10474	10544	10761	10593	1.41	cps
Sodium	23-2	863302	858814	861487	861201	0.26	cps
Strontium	86-1	125927	127997	127352	127092	0.83	cps
Strontium	88-1	1101501	1111540	1113915	1108985	0.59	cps
Sulfur	34-1	217434	220674	220789	219632	0.87	cps
Terbium	159-1	10031988	10109668	10122305	10087987	0.48	cps
Terbium	159-2	6701624	6859257	6825947	6795609	1.22	cps
Thallium	203-1	737	700	713	717	2.59	cps
Thallium	205-1	1860	1837	1897	1865	1.62	cps
Tin	118-1	17003	16483	16660	16715	1.58	cps
Titanium	47-1	189346	187324	187890	188187	0.55	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-13DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0-0.5-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:22:14	DataFile Name :	123SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13914	14318	14158	14130	1.44	cps
Vanadium	51-2	96154	95078	95412	95548	0.58	cps
Yttrium	89-1	11571371	11699407	11707493	11659424	0.65	cps
Yttrium	89-2	2663877	2674979	2754158	2697671	1.83	cps
Zinc	66-2	27108	27055	27071	27078	0.10	cps
Zirconium	90-1	15668	15168	15712	15516	1.95	cps
Zirconium	91-1	3430	3510	3414	3452	1.50	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:34:04	DataFile Name :	124CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5904533	5908020	5814750	5875767	0.90	cps
Antimony	121-1	3359759	3278078	3412513	3350117	2.02	cps
Arsenic	75-2	159772	159035	157765	158858	0.64	cps
Barium	135-1	3952678	3863041	3874059	3896593	1.25	cps
Barium	137-1	6672153	6592023	6669352	6644509	0.68	cps
Beryllium	9-1	612719	635481	638768	628990	2.26	cps
Bismuth	209-1	5101500	5105787	5174508	5127265	0.80	cps
Bismuth	209-2	4321154	4419720	4309416	4350096	1.39	cps
Bromine	81-1	7795	7622	8212	7877	3.85	cps
Bromine	81-2	90	90	103	94	8.15	cps
Cadmium	108-1	56982	57128	56827	56979	0.26	cps
Cadmium	106-1	82426	82090	83103	82540	0.62	cps
Cadmium	111-1	760650	773734	776306	770230	1.09	cps
Calcium	43-1	4740471	4864447	4876185	4827034	1.56	cps
Calcium	44-1	74581907	75640446	75794292	75338882	0.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1144256	1134242	1126411	1134970	0.79	cps
Cobalt	59-2	1734600	1717676	1728078	1726785	0.49	cps
Copper	63-2	12302111	12065719	12096490	12154773	1.06	cps
Dysprosium	156-1	317	267	337	307	11.76	cps
Dysprosium	156-2	293	253	280	276	7.39	cps
Erbium	164-1	213	247	240	233	7.56	cps
Erbium	164-2	150	160	147	152	4.56	cps
Gadolinium	160-1	190	170	177	179	5.69	cps
Gadolinium	160-2	390	340	377	369	7.02	cps
Holmium	165-1	9284805	9198050	9355701	9279519	0.85	cps
Holmium	165-2	6558187	6550866	6307394	6472149	2.21	cps
Indium	115-1	7804845	7797604	7631287	7744579	1.27	cps
Indium	115-2	2518384	2426750	2460750	2468628	1.88	cps
Iron	56-2	245093263	245687390	235489556	242090070	2.36	cps
Iron	57-2	5986623	5953441	5988678	5976247	0.33	cps
Iron	54-2	12940451	12852931	12780030	12857804	0.62	cps
Krypton	83-1	220	260	227	236	9.10	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:34:04	DataFile Name :	124CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9770245	9925930	9886868	9861015	0.82	cps
Lead	207-1	8636709	8645943	8744692	8675781	0.69	cps
Lead	208-1	39206026	39510025	40140149	39618733	1.20	cps
Lithium	6-1	1571904	1572204	1583679	1575929	0.43	cps
Magnesium	24-2	49630563	49814714	49827864	49757714	0.22	cps
Manganese	55-2	8151519	7917754	7921175	7996816	1.68	cps
Molybdenum	94-1	12163649	12044663	12055519	12087944	0.54	cps
Molybdenum	95-1	17656618	17838679	17690596	17728631	0.55	cps
Molybdenum	96-1	19064950	19399328	19021212	19161830	1.08	cps
Molybdenum	97-1	11100962	10886933	10848512	10945469	1.24	cps
Molybdenum	98-1	28217291	27815349	28221581	28084740	0.83	cps
Neodymium	150-1	257	240	253	250	3.53	cps
Neodymium	150-2	77	83	123	94	26.73	cps
Nickel	60-2	429395	427550	427426	428124	0.26	cps
Phosphorus	31-2	67468	66069	64934	66157	1.92	cps
Potassium	39-2	29797809	29309991	29199478	29435759	1.08	cps
Rhodium	103-1	7042159	7058880	6956575	7019205	0.78	cps
Rhodium	103-2	4086072	3941888	4018103	4015354	1.80	cps
Scandium	45-1	5086101	5211919	5244067	5180695	1.61	cps
Scandium	45-2	354277	348861	350012	351050	0.81	cps
Selenium	82-1	51404	52784	51880	52023	1.35	cps
Selenium	77-2	4307	4274	4337	4306	0.74	cps
Selenium	78-2	14447	14180	14978	14535	2.79	cps
Silicon	28-1	32430104	32663306	33279778	32791063	1.34	cps
Silver	107-1	3862396	3854326	3897606	3871443	0.59	cps
Silver	109-1	3642778	3691509	3706182	3680156	0.90	cps
Sodium	23-2	78708662	79408020	78408656	78841779	0.65	cps
Strontium	86-1	25812748	25607440	25931298	25783829	0.64	cps
Strontium	88-1	221848070	225568330	224565743	223994048	0.86	cps
Sulfur	34-1	464794	467081	466689	466188	0.26	cps
Terbium	159-1	9523882	9633127	9754858	9637289	1.20	cps
Terbium	159-2	6425283	6370398	6500222	6431967	1.01	cps
Thallium	203-1	2562378	2569960	2596402	2576247	0.69	cps
Thallium	205-1	6086212	6103269	6129086	6106189	0.35	cps
Tin	118-1	2509070	2541774	2587540	2546128	1.55	cps
Titanium	47-1	4866750	4920915	4859539	4882401	0.69	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV09	Instrumnet Name :	P7
Client Sample ID :	CCV09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:34:04	DataFile Name :	124CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7707302	7898829	7864208	7823446	1.30	cps
Vanadium	51-2	1028693	1017682	1016794	1021056	0.65	cps
Yttrium	89-1	10443566	10659487	10819800	10640951	1.77	cps
Yttrium	89-2	2462548	2433970	2456923	2451147	0.62	cps
Zinc	66-2	2079394	2019440	2075525	2058120	1.63	cps
Zirconium	90-1	5792213	5908198	5703067	5801160	1.77	cps
Zirconium	91-1	1267768	1289483	1277300	1278184	0.85	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:43:40	DataFile Name :	125CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	343	253	260	286	17.56	cps
Antimony	121-1	513	597	703	604	15.76	cps
Arsenic	75-2	3	7	0	3	100.05	cps
Barium	135-1	80	93	117	97	19.20	cps
Barium	137-1	163	100	180	148	28.56	cps
Beryllium	9-1	53	53	67	58	13.33	cps
Bismuth	209-1	5572725	5598740	5443316	5538260	1.50	cps
Bismuth	209-2	4733169	4727550	4807301	4756007	0.94	cps
Bromine	81-1	7679	7412	7455	7515	1.91	cps
Bromine	81-2	67	60	93	73	24.05	cps
Cadmium	108-1	3	13	30	16	86.63	cps
Cadmium	106-1	2050	1913	2070	2011	4.24	cps
Cadmium	111-1	1469	1360	1445	1425	4.03	cps
Calcium	43-1	330	367	337	344	5.67	cps
Calcium	44-1	11225	11271	11358	11285	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	513	567	510	530	6.00	cps
Cobalt	59-2	97	117	83	99	16.97	cps
Copper	63-2	907	923	970	933	3.52	cps
Dysprosium	156-1	33	43	43	40	14.43	cps
Dysprosium	156-2	13	10	17	13	25.01	cps
Erbium	164-1	87	80	77	81	6.28	cps
Erbium	164-2	33	43	33	37	15.75	cps
Gadolinium	160-1	17	40	47	34	45.73	cps
Gadolinium	160-2	297	233	273	268	11.96	cps
Holmium	165-1	9449929	9278915	9227674	9318839	1.25	cps
Holmium	165-2	6582625	6579880	6591871	6584792	0.10	cps
Indium	115-1	8232972	8308983	8130341	8224099	1.09	cps
Indium	115-2	2622499	2569567	2611554	2601207	1.07	cps
Iron	56-2	13963	13610	14047	13873	1.67	cps
Iron	57-2	1473	1507	1457	1479	1.72	cps
Iron	54-2	1557	1387	1517	1487	5.98	cps
Krypton	83-1	220	180	237	212	13.72	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:43:40	DataFile Name :	125CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	433	420	390	414	5.36	cps
Lead	207-1	333	410	320	354	13.70	cps
Lead	208-1	1770	1730	1543	1681	7.20	cps
Lithium	6-1	1572762	1590429	1625003	1596065	1.66	cps
Magnesium	24-2	1130	1103	1227	1153	5.63	cps
Manganese	55-2	520	457	450	476	8.12	cps
Molybdenum	94-1	390	433	443	422	6.71	cps
Molybdenum	95-1	363	367	347	359	2.99	cps
Molybdenum	96-1	443	393	323	387	15.59	cps
Molybdenum	97-1	233	210	187	210	11.11	cps
Molybdenum	98-1	463	533	570	522	10.38	cps
Neodymium	150-1	7	10	7	8	24.71	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	167	140	137	148	11.13	cps
Phosphorus	31-2	103	90	100	98	7.10	cps
Potassium	39-2	45371	45481	45304	45385	0.20	cps
Rhodium	103-1	7753837	7635216	7815526	7734859	1.18	cps
Rhodium	103-2	4516311	4407813	4509960	4478028	1.36	cps
Scandium	45-1	5250359	5242707	5259006	5250691	0.16	cps
Scandium	45-2	362484	364397	362597	363159	0.30	cps
Selenium	82-1	312	368	330	337	8.50	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	247	273	200	240	15.47	cps
Silicon	28-1	291161	292534	296170	293288	0.88	cps
Silver	107-1	143	127	187	152	20.35	cps
Silver	109-1	107	100	113	107	6.25	cps
Sodium	23-2	14230	14650	14414	14431	1.46	cps
Strontium	86-1	610	577	550	579	5.19	cps
Strontium	88-1	2767	2607	2720	2698	3.05	cps
Sulfur	34-1	184691	183693	184385	184256	0.28	cps
Terbium	159-1	9522868	9556685	9707371	9595641	1.02	cps
Terbium	159-2	6522003	6459626	6491284	6490971	0.48	cps
Thallium	203-1	87	60	70	72	18.66	cps
Thallium	205-1	163	163	150	159	4.85	cps
Tin	118-1	1053	900	923	959	8.62	cps
Titanium	47-1	190	180	150	173	12.01	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB09	Instrumnet Name :	P7
Client Sample ID :	CCB09	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:43:40	DataFile Name :	125CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	110	100	120	110	9.09	cps
Vanadium	51-2	23	40	17	27	45.07	cps
Yttrium	89-1	10997166	10989341	11057744	11014751	0.34	cps
Yttrium	89-2	2584258	2552094	2556463	2564272	0.68	cps
Zinc	66-2	760	687	687	711	5.95	cps
Zirconium	90-1	623	647	593	621	4.30	cps
Zirconium	91-1	147	140	123	137	8.79	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:46:57	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4134125	4083071	4061460	4092885	0.91	cps
Antimony	121-1	11965	12235	12819	12340	3.54	cps
Arsenic	75-2	9543	9446	9553	9514	0.62	cps
Barium	135-1	848299	865757	871796	861951	1.42	cps
Barium	137-1	1465722	1610316	1496580	1524206	5.00	cps
Beryllium	9-1	3584	3927	3847	3786	4.75	cps
Bismuth	209-1	5527979	5525274	5619365	5557539	0.96	cps
Bismuth	209-2	4739329	4705323	4767155	4737269	0.65	cps
Bromine	81-1	41281	44627	46356	44088	5.85	cps
Bromine	81-2	6511	6401	6562	6491	1.26	cps
Cadmium	108-1	277	300	250	276	9.08	cps
Cadmium	106-1	2967	2920	2744	2877	4.10	cps
Cadmium	111-1	4727	4878	4773	4792	1.62	cps
Calcium	43-1	448191	463326	463284	458267	1.90	cps
Calcium	44-1	6819649	7082204	7013178	6971677	1.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	197844	200383	196868	198365	0.91	cps
Cobalt	59-2	18148	18111	18388	18216	0.83	cps
Copper	63-2	375750	372409	370712	372957	0.69	cps
Dysprosium	156-1	74862	75636	76349	75616	0.98	cps
Dysprosium	156-2	65103	65274	64983	65120	0.22	cps
Erbium	164-1	55329	56952	56862	56381	1.62	cps
Erbium	164-2	40131	39232	39245	39536	1.30	cps
Gadolinium	160-1	69220	70674	70007	69967	1.04	cps
Gadolinium	160-2	51444	51230	51163	51279	0.29	cps
Holmium	165-1	9351869	9655638	9690390	9565966	1.95	cps
Holmium	165-2	6697022	6688997	6863652	6749891	1.46	cps
Indium	115-1	8190070	8160543	8285140	8211918	0.79	cps
Indium	115-2	2641372	2642090	2654104	2645855	0.27	cps
Iron	56-2	44254739	44909406	43802443	44322196	1.26	cps
Iron	57-2	1162363	1152243	1147726	1154111	0.65	cps
Iron	54-2	2492863	2483948	2453066	2476626	0.84	cps
Krypton	83-1	300	243	223	256	15.56	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:46:57	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1507353	1545958	1546758	1533356	1.47	cps
Lead	207-1	1267847	1306117	1306274	1293412	1.71	cps
Lead	208-1	6317430	6379705	6473764	6390300	1.23	cps
Lithium	6-1	1635803	1693187	1706783	1678591	2.24	cps
Magnesium	24-2	840268	827018	825226	830837	0.99	cps
Manganese	55-2	9405465	9380223	9275227	9353638	0.74	cps
Molybdenum	94-1	21743	22070	22007	21940	0.79	cps
Molybdenum	95-1	9413	9480	9426	9440	0.37	cps
Molybdenum	96-1	12922	13583	13386	13297	2.55	cps
Molybdenum	97-1	5798	5528	5644	5657	2.39	cps
Molybdenum	98-1	14180	14684	14177	14347	2.03	cps
Neodymium	150-1	142241	147823	147823	145962	2.21	cps
Neodymium	150-2	84797	84642	84055	84498	0.46	cps
Nickel	60-2	31236	31219	31463	31306	0.44	cps
Phosphorus	31-2	13640	12829	12719	13062	3.85	cps
Potassium	39-2	489072	486525	483378	486325	0.59	cps
Rhodium	103-1	7616004	7578510	7657094	7617203	0.52	cps
Rhodium	103-2	4406304	4399374	4400321	4402000	0.09	cps
Scandium	45-1	5326287	5355170	5395684	5359047	0.65	cps
Scandium	45-2	364273	368697	367243	366737	0.61	cps
Selenium	82-1	1020	1195	1215	1143	9.39	cps
Selenium	77-2	250	283	250	261	7.37	cps
Selenium	78-2	523	500	563	529	6.06	cps
Silicon	28-1	23399792	24035649	24208261	23881234	1.78	cps
Silver	107-1	7038	6982	7239	7086	1.90	cps
Silver	109-1	6645	6685	6772	6700	0.97	cps
Sodium	23-2	2375101	2329192	2338606	2347633	1.03	cps
Strontium	86-1	350370	359850	360495	356905	1.59	cps
Strontium	88-1	3199529	3169318	3213469	3194105	0.71	cps
Sulfur	34-1	287320	281803	279908	283011	1.36	cps
Terbium	159-1	9850377	9916791	9740456	9835874	0.91	cps
Terbium	159-2	6729038	6777858	6650776	6719224	0.95	cps
Thallium	203-1	2150	2230	2250	2210	2.39	cps
Thallium	205-1	5535	5538	5478	5517	0.61	cps
Tin	118-1	29544	30519	29961	30008	1.63	cps
Titanium	47-1	281867	287850	286661	285460	1.11	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:46:57	DataFile Name :	126SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	87075	89438	87887	88134	1.36	cps
Vanadium	51-2	145605	146341	145813	145920	0.26	cps
Yttrium	89-1	11928891	12014867	12006146	11983301	0.39	cps
Yttrium	89-2	2779638	2749805	2824908	2784784	1.36	cps
Zinc	66-2	71738	71021	70609	71123	0.80	cps
Zirconium	90-1	44758	44875	45998	45210	1.51	cps
Zirconium	91-1	10097	9837	10207	10047	1.89	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:50:08	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	828466	833600	824134	828733	0.57	cps
Antimony	121-1	2617	2647	2570	2611	1.48	cps
Arsenic	75-2	1823	1847	1957	1876	3.80	cps
Barium	135-1	171520	173252	174316	173029	0.82	cps
Barium	137-1	296903	299019	299572	298498	0.47	cps
Beryllium	9-1	847	710	733	763	9.58	cps
Bismuth	209-1	5756474	5773811	5739575	5756620	0.30	cps
Bismuth	209-2	4886762	4939000	4931903	4919221	0.58	cps
Bromine	81-1	15972	16206	16309	16162	1.07	cps
Bromine	81-2	1450	1547	1507	1501	3.24	cps
Cadmium	108-1	57	80	77	71	17.74	cps
Cadmium	106-1	2464	2380	2327	2390	2.88	cps
Cadmium	111-1	2285	2257	2118	2220	4.01	cps
Calcium	43-1	90294	90418	91782	90831	0.91	cps
Calcium	44-1	1371398	1386669	1388098	1382055	0.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39495	40297	39535	39776	1.14	cps
Cobalt	59-2	3834	3784	3704	3774	1.74	cps
Copper	63-2	75198	75292	76856	75782	1.23	cps
Dysprosium	156-1	15205	14961	15082	15083	0.81	cps
Dysprosium	156-2	12616	12532	12906	12685	1.55	cps
Erbium	164-1	11225	11178	11218	11207	0.23	cps
Erbium	164-2	7669	7789	7612	7690	1.17	cps
Gadolinium	160-1	14010	13794	13797	13867	0.90	cps
Gadolinium	160-2	10537	10547	10307	10464	1.30	cps
Holmium	165-1	9474940	9590347	9514953	9526747	0.62	cps
Holmium	165-2	6797256	6755717	6763895	6772289	0.32	cps
Indium	115-1	8469499	8572449	8162082	8401344	2.54	cps
Indium	115-2	2696420	2621824	2737353	2685199	2.18	cps
Iron	56-2	9064096	8815470	8973487	8951018	1.41	cps
Iron	57-2	233582	226832	229927	230114	1.47	cps
Iron	54-2	509570	500203	509137	506303	1.04	cps
Krypton	83-1	227	243	200	223	9.79	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:50:08	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	302800	310341	309633	307591	1.35	cps
Lead	207-1	258632	261100	262116	260616	0.69	cps
Lead	208-1	1187422	1215600	1207777	1203600	1.21	cps
Lithium	6-1	1695019	1710822	1714604	1706815	0.61	cps
Magnesium	24-2	165942	165878	166551	166124	0.22	cps
Manganese	55-2	1856916	1817944	1839248	1838036	1.06	cps
Molybdenum	94-1	4494	4457	4257	4403	2.89	cps
Molybdenum	95-1	2027	1853	2003	1961	4.80	cps
Molybdenum	96-1	2774	2724	2484	2660	5.83	cps
Molybdenum	97-1	1203	1267	1100	1190	7.07	cps
Molybdenum	98-1	2987	2937	3167	3030	3.99	cps
Neodymium	150-1	29043	29588	29127	29253	1.00	cps
Neodymium	150-2	17244	15929	16843	16672	4.04	cps
Nickel	60-2	6308	6732	6385	6475	3.49	cps
Phosphorus	31-2	2654	2570	2577	2600	1.78	cps
Potassium	39-2	132575	131532	131452	131853	0.48	cps
Rhodium	103-1	7907075	8068858	7852879	7942937	1.41	cps
Rhodium	103-2	4526873	4540506	4506696	4524692	0.38	cps
Scandium	45-1	5367502	5380591	5392391	5380161	0.23	cps
Scandium	45-2	370133	364508	366744	367128	0.77	cps
Selenium	82-1	438	467	502	469	6.94	cps
Selenium	77-2	50	43	57	50	13.34	cps
Selenium	78-2	260	270	293	274	6.23	cps
Silicon	28-1	4984435	5015045	5120381	5039954	1.41	cps
Silver	107-1	1360	1550	1507	1472	6.76	cps
Silver	109-1	1513	1353	1330	1399	7.13	cps
Sodium	23-2	501437	500118	500178	500578	0.15	cps
Strontium	86-1	72340	72484	71302	72042	0.90	cps
Strontium	88-1	620384	627283	622010	623226	0.58	cps
Sulfur	34-1	174901	176074	175613	175530	0.34	cps
Terbium	159-1	10117085	9901469	9920058	9979537	1.20	cps
Terbium	159-2	6693963	6751195	6713810	6719656	0.43	cps
Thallium	203-1	463	473	560	499	10.66	cps
Thallium	205-1	1077	1067	1133	1092	3.29	cps
Tin	118-1	6642	7062	7233	6979	4.36	cps
Titanium	47-1	56539	58424	57730	57564	1.66	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:50:08	DataFile Name :	127SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17689	17565	16954	17403	2.26	cps
Vanadium	51-2	28681	28874	29088	28881	0.71	cps
Yttrium	89-1	11240099	11333623	11256401	11276707	0.44	cps
Yttrium	89-2	2615248	2645293	2607570	2622704	0.76	cps
Zinc	66-2	14881	14964	15468	15104	2.10	cps
Zirconium	90-1	8979	9073	9537	9196	3.24	cps
Zirconium	91-1	2030	2124	2097	2084	2.31	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUP	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:53:21	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4045431	4106522	4012639	4054864	1.18	cps
Antimony	121-1	11391	11765	12405	11854	4.33	cps
Arsenic	75-2	9993	9873	10057	9975	0.93	cps
Barium	135-1	859690	876314	884911	873638	1.47	cps
Barium	137-1	1544570	1507549	1611684	1554601	3.40	cps
Beryllium	9-1	3620	3674	3770	3688	2.06	cps
Bismuth	209-1	5624901	5652706	5633413	5637006	0.25	cps
Bismuth	209-2	4840060	4861059	4821932	4841017	0.40	cps
Bromine	81-1	41572	46473	47817	45287	7.26	cps
Bromine	81-2	6895	6742	6685	6774	1.60	cps
Cadmium	108-1	257	210	233	233	10.00	cps
Cadmium	106-1	2930	2924	2920	2925	0.17	cps
Cadmium	111-1	4975	4983	4831	4930	1.74	cps
Calcium	43-1	441028	453239	459298	451189	2.06	cps
Calcium	44-1	6687676	6890931	6928848	6835818	1.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	197976	194883	197138	196666	0.81	cps
Cobalt	59-2	18358	18201	18685	18415	1.34	cps
Copper	63-2	352013	354463	352795	353090	0.35	cps
Dysprosium	156-1	74958	77060	78535	76851	2.34	cps
Dysprosium	156-2	64099	65529	64956	64861	1.11	cps
Erbium	164-1	55503	56413	57538	56485	1.80	cps
Erbium	164-2	39994	39115	39178	39429	1.24	cps
Gadolinium	160-1	68651	70486	70406	69848	1.49	cps
Gadolinium	160-2	52756	51357	50143	51419	2.54	cps
Holmium	165-1	9855514	9516211	9771084	9714270	1.82	cps
Holmium	165-2	6926808	6827680	6797580	6850689	0.99	cps
Indium	115-1	8298641	8275640	8464002	8346095	1.23	cps
Indium	115-2	2699918	2675728	2710109	2695252	0.66	cps
Iron	56-2	44183324	44527024	44691744	44467364	0.58	cps
Iron	57-2	1156227	1151606	1152644	1153493	0.21	cps
Iron	54-2	2504455	2472219	2461083	2479252	0.91	cps
Krypton	83-1	267	250	330	282	14.96	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUP	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:53:21	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1531293	1549500	1551806	1544200	0.73	cps
Lead	207-1	1283434	1314722	1307273	1301810	1.26	cps
Lead	208-1	6360635	6417503	6456039	6411392	0.75	cps
Lithium	6-1	1665159	1694012	1716544	1691905	1.52	cps
Magnesium	24-2	826976	819094	811205	819092	0.96	cps
Manganese	55-2	9296368	9131770	9295919	9241353	1.03	cps
Molybdenum	94-1	21242	21616	21299	21386	0.94	cps
Molybdenum	95-1	9530	9353	9750	9544	2.08	cps
Molybdenum	96-1	12626	13049	12879	12851	1.66	cps
Molybdenum	97-1	5718	5628	5701	5682	0.84	cps
Molybdenum	98-1	14667	14300	14421	14463	1.29	cps
Neodymium	150-1	143812	148903	151017	147911	2.50	cps
Neodymium	150-2	85568	84026	84284	84626	0.98	cps
Nickel	60-2	28006	28470	28056	28178	0.90	cps
Phosphorus	31-2	13286	12952	13036	13091	1.33	cps
Potassium	39-2	482022	475847	477627	478499	0.66	cps
Rhodium	103-1	7840159	7799367	7941516	7860347	0.93	cps
Rhodium	103-2	4482607	4510679	4400216	4464501	1.29	cps
Scandium	45-1	5362303	5395404	5470323	5409343	1.02	cps
Scandium	45-2	375959	372368	375308	374545	0.51	cps
Selenium	82-1	1063	1175	1071	1103	5.65	cps
Selenium	77-2	233	253	250	246	4.36	cps
Selenium	78-2	483	477	633	531	16.68	cps
Silicon	28-1	22811625	24134186	24180381	23708731	3.28	cps
Silver	107-1	7042	7345	7492	7293	3.15	cps
Silver	109-1	6778	6915	7022	6905	1.77	cps
Sodium	23-2	2319680	2335895	2308642	2321406	0.59	cps
Strontium	86-1	348139	361847	366746	358911	2.69	cps
Strontium	88-1	3082608	3219844	3235595	3179349	2.65	cps
Sulfur	34-1	270045	270237	269074	269786	0.23	cps
Terbium	159-1	10141138	10281139	10231324	10217867	0.69	cps
Terbium	159-2	6841944	6880156	6775624	6832575	0.77	cps
Thallium	203-1	2290	2374	2187	2284	4.10	cps
Thallium	205-1	5318	5394	5278	5330	1.11	cps
Tin	118-1	11621	11628	11658	11636	0.17	cps
Titanium	47-1	277953	289428	285482	284288	2.05	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUP	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-25 23:53:21	DataFile Name :	128SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	85851	89075	87066	87330	1.86	cps
Vanadium	51-2	146846	145783	146773	146468	0.41	cps
Yttrium	89-1	11845815	12080727	12324850	12083797	1.98	cps
Yttrium	89-2	2816366	2848579	2808345	2824430	0.75	cps
Zinc	66-2	68737	67137	67753	67876	1.19	cps
Zirconium	90-1	43902	44725	45473	44700	1.76	cps
Zirconium	91-1	9560	9883	9907	9783	1.98	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:56:33	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	798782	808502	799632	802305	0.67	cps
Antimony	121-1	2500	2540	2460	2500	1.60	cps
Arsenic	75-2	1767	1933	2027	1909	6.90	cps
Barium	135-1	167294	169719	169628	168880	0.81	cps
Barium	137-1	286717	296162	290343	291074	1.64	cps
Beryllium	9-1	720	767	853	780	8.68	cps
Bismuth	209-1	5725943	5624672	5551372	5633996	1.56	cps
Bismuth	209-2	4820913	4836480	4771963	4809785	0.70	cps
Bromine	81-1	16519	16342	16463	16441	0.55	cps
Bromine	81-2	1410	1390	1513	1438	4.60	cps
Cadmium	108-1	70	30	30	43	53.29	cps
Cadmium	106-1	2540	2344	2374	2419	4.38	cps
Cadmium	111-1	2406	2213	2207	2275	4.97	cps
Calcium	43-1	87688	88681	87883	88084	0.60	cps
Calcium	44-1	1361852	1361194	1366837	1363294	0.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38459	38439	38476	38458	0.05	cps
Cobalt	59-2	3497	3837	3724	3686	4.70	cps
Copper	63-2	70575	69614	69665	69951	0.77	cps
Dysprosium	156-1	14394	14745	14544	14561	1.21	cps
Dysprosium	156-2	12552	12289	12743	12528	1.82	cps
Erbium	164-1	11128	10991	11321	11147	1.49	cps
Erbium	164-2	7299	7619	7696	7538	2.79	cps
Gadolinium	160-1	13677	13540	13740	13652	0.75	cps
Gadolinium	160-2	9837	10087	10030	9985	1.31	cps
Holmium	165-1	9568292	9516917	9562000	9549070	0.29	cps
Holmium	165-2	6736597	6737169	6809780	6761182	0.62	cps
Indium	115-1	8353909	8251642	8232889	8279480	0.79	cps
Indium	115-2	2702838	2669696	2657496	2676676	0.88	cps
Iron	56-2	8664461	8766218	8692415	8707698	0.60	cps
Iron	57-2	227649	225637	226295	226527	0.45	cps
Iron	54-2	493814	493551	491131	492832	0.30	cps
Krypton	83-1	183	217	257	219	16.77	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:56:33	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	300072	300613	299714	300133	0.15	cps
Lead	207-1	250710	256897	252353	253320	1.27	cps
Lead	208-1	1169441	1170833	1172357	1170877	0.12	cps
Lithium	6-1	1697323	1644117	1674320	1671920	1.60	cps
Magnesium	24-2	160147	158177	158328	158884	0.69	cps
Manganese	55-2	1830253	1824606	1810933	1821931	0.55	cps
Molybdenum	94-1	4011	4507	4367	4295	5.96	cps
Molybdenum	95-1	1870	1790	1947	1869	4.19	cps
Molybdenum	96-1	2714	2554	2560	2609	3.47	cps
Molybdenum	97-1	1163	1020	1060	1081	6.84	cps
Molybdenum	98-1	2887	2860	2734	2827	2.90	cps
Neodymium	150-1	28115	28783	28379	28425	1.18	cps
Neodymium	150-2	16370	16610	16153	16377	1.40	cps
Nickel	60-2	5511	5855	5641	5669	3.06	cps
Phosphorus	31-2	2597	2457	2387	2480	4.31	cps
Potassium	39-2	128588	128033	128137	128252	0.23	cps
Rhodium	103-1	7868353	7788857	7837807	7831673	0.51	cps
Rhodium	103-2	4502696	4539576	4497906	4513393	0.51	cps
Scandium	45-1	5368413	5330393	5375013	5357940	0.45	cps
Scandium	45-2	365808	364492	363134	364478	0.37	cps
Selenium	82-1	578	518	459	519	11.48	cps
Selenium	77-2	50	37	30	39	26.18	cps
Selenium	78-2	300	257	247	268	10.59	cps
Silicon	28-1	4820278	4852128	5115262	4929223	3.28	cps
Silver	107-1	1547	1433	1423	1468	4.67	cps
Silver	109-1	1373	1343	1427	1381	3.06	cps
Sodium	23-2	477482	472708	478100	476097	0.62	cps
Strontium	86-1	70558	71509	70401	70823	0.85	cps
Strontium	88-1	603434	604678	606277	604796	0.24	cps
Sulfur	34-1	164654	165121	164650	164808	0.16	cps
Terbium	159-1	10261349	9996875	9858864	10039029	2.04	cps
Terbium	159-2	6757260	6686696	6560552	6668169	1.49	cps
Thallium	203-1	467	467	513	482	5.59	cps
Thallium	205-1	1007	1113	1010	1043	5.81	cps
Tin	118-1	3014	2894	2954	2954	2.03	cps
Titanium	47-1	55695	58019	56003	56572	2.23	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14DUPDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:56:33	DataFile Name :	129SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17154	16614	17054	16941	1.70	cps
Vanadium	51-2	28190	28767	27702	28220	1.89	cps
Yttrium	89-1	11527584	11282092	11224660	11344779	1.42	cps
Yttrium	89-2	2629089	2620563	2672582	2640745	1.06	cps
Zinc	66-2	13626	13693	13186	13502	2.04	cps
Zirconium	90-1	8566	8909	8779	8752	1.98	cps
Zirconium	91-1	1967	1763	1930	1887	5.74	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:59:46	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	773880	764469	766772	768374	0.64	cps
Antimony	121-1	2330	2530	2324	2395	4.91	cps
Arsenic	75-2	1713	1780	1597	1697	5.47	cps
Barium	135-1	160294	161009	162547	161284	0.71	cps
Barium	137-1	277639	279989	280101	279243	0.50	cps
Beryllium	9-1	610	617	680	636	6.08	cps
Bismuth	209-1	5682175	5576326	5729148	5662550	1.38	cps
Bismuth	209-2	4859956	4913401	4886533	4886630	0.55	cps
Bromine	81-1	14564	15799	15445	15269	4.16	cps
Bromine	81-2	1283	1370	1323	1326	3.27	cps
Cadmium	108-1	57	43	53	51	13.58	cps
Cadmium	106-1	2417	2434	2154	2335	6.73	cps
Cadmium	111-1	2292	2310	2037	2213	6.90	cps
Calcium	43-1	83461	84112	84263	83945	0.51	cps
Calcium	44-1	1265686	1309087	1285887	1286887	1.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37122	37159	37039	37107	0.17	cps
Cobalt	59-2	3370	3567	3360	3433	3.40	cps
Copper	63-2	68968	67655	67712	68112	1.09	cps
Dysprosium	156-1	13994	14564	14207	14255	2.02	cps
Dysprosium	156-2	11662	11782	11975	11806	1.34	cps
Erbium	164-1	10401	10207	10444	10351	1.22	cps
Erbium	164-2	7162	6975	7545	7228	4.02	cps
Gadolinium	160-1	12759	13166	12993	12973	1.57	cps
Gadolinium	160-2	9864	9733	9737	9778	0.76	cps
Holmium	165-1	9822096	9548008	9423870	9597992	2.12	cps
Holmium	165-2	6668809	6693972	6711434	6691405	0.32	cps
Indium	115-1	8423695	8475066	8508081	8468947	0.50	cps
Indium	115-2	2699479	2683812	2660985	2681426	0.72	cps
Iron	56-2	8219929	8266084	8291124	8259046	0.44	cps
Iron	57-2	217031	216473	216435	216646	0.15	cps
Iron	54-2	474253	473228	473439	473640	0.11	cps
Krypton	83-1	190	147	170	169	12.84	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:59:46	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	285108	287784	285572	286155	0.50	cps
Lead	207-1	241694	243729	243115	242846	0.43	cps
Lead	208-1	1110267	1119809	1120848	1116974	0.52	cps
Lithium	6-1	1636146	1625957	1663520	1641874	1.18	cps
Magnesium	24-2	153057	153420	152323	152933	0.37	cps
Manganese	55-2	1736248	1723024	1692811	1717361	1.30	cps
Molybdenum	94-1	4011	4201	4121	4111	2.32	cps
Molybdenum	95-1	1747	1897	1863	1836	4.29	cps
Molybdenum	96-1	2554	2494	2467	2505	1.77	cps
Molybdenum	97-1	1133	1043	1123	1100	4.48	cps
Molybdenum	98-1	2694	2830	2647	2724	3.50	cps
Neodymium	150-1	27163	26983	26819	26988	0.64	cps
Neodymium	150-2	15515	15592	15185	15431	1.40	cps
Nickel	60-2	5531	5711	5761	5668	2.14	cps
Phosphorus	31-2	2534	2394	2520	2482	3.11	cps
Potassium	39-2	126561	125663	126325	126183	0.37	cps
Rhodium	103-1	8042856	7994537	7886618	7974670	1.00	cps
Rhodium	103-2	4514925	4488239	4528821	4510662	0.46	cps
Scandium	45-1	5217300	5204323	5278738	5233454	0.76	cps
Scandium	45-2	367312	365292	365373	365992	0.31	cps
Selenium	82-1	495	518	576	529	7.85	cps
Selenium	77-2	40	47	43	43	7.70	cps
Selenium	78-2	300	270	290	287	5.33	cps
Silicon	28-1	4580355	4692024	4624404	4632261	1.21	cps
Silver	107-1	1293	1393	1423	1370	4.97	cps
Silver	109-1	1300	1303	1353	1319	2.27	cps
Sodium	23-2	462953	461016	463838	462602	0.31	cps
Strontium	86-1	65776	67159	67691	66876	1.48	cps
Strontium	88-1	580351	582704	587920	583658	0.66	cps
Sulfur	34-1	164653	165388	164097	164712	0.39	cps
Terbium	159-1	9857812	9945482	10198033	10000442	1.77	cps
Terbium	159-2	6722767	6778722	6798419	6766636	0.58	cps
Thallium	203-1	450	427	397	424	6.30	cps
Thallium	205-1	883	1163	1057	1034	13.66	cps
Tin	118-1	4614	4948	4901	4821	3.75	cps
Titanium	47-1	51327	53491	52842	52553	2.11	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-25 23:59:46	DataFile Name :	130SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16120	16450	15910	16160	1.69	cps
Vanadium	51-2	27398	27358	27094	27284	0.61	cps
Yttrium	89-1	11359103	11340617	11490595	11396772	0.72	cps
Yttrium	89-2	2632447	2598001	2606559	2612336	0.69	cps
Zinc	66-2	14194	13963	13730	13962	1.66	cps
Zirconium	90-1	8362	8459	8412	8411	0.57	cps
Zirconium	91-1	1847	1837	1863	1849	0.73	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	25
Date & Time Acquired ::	2024-08-26 00:03:01	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	170901	168535	168427	169288	0.83	cps
Antimony	121-1	623	593	507	574	10.55	cps
Arsenic	75-2	417	417	343	392	10.80	cps
Barium	135-1	35307	35895	35364	35522	0.91	cps
Barium	137-1	60069	62918	62125	61704	2.38	cps
Beryllium	9-1	190	193	207	197	4.48	cps
Bismuth	209-1	5835435	5760803	5611685	5735974	1.99	cps
Bismuth	209-2	4948261	4791422	4885221	4874968	1.62	cps
Bromine	81-1	10190	9590	9877	9886	3.04	cps
Bromine	81-2	423	387	413	408	4.65	cps
Cadmium	108-1	17	10	23	17	39.99	cps
Cadmium	106-1	2537	2350	2340	2409	4.60	cps
Cadmium	111-1	1894	1841	1785	1840	2.96	cps
Calcium	43-1	18178	19423	18375	18658	3.59	cps
Calcium	44-1	312219	311183	311661	311688	0.17	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8356	8296	8402	8351	0.64	cps
Cobalt	59-2	830	790	773	798	3.65	cps
Copper	63-2	16219	16623	16055	16299	1.79	cps
Dysprosium	156-1	3077	3067	3037	3060	0.68	cps
Dysprosium	156-2	2537	2520	2550	2536	0.59	cps
Erbium	164-1	2257	2384	2310	2317	2.75	cps
Erbium	164-2	1623	1457	1490	1523	5.79	cps
Gadolinium	160-1	2894	2827	2814	2845	1.51	cps
Gadolinium	160-2	2527	2464	2250	2414	6.01	cps
Holmium	165-1	9582513	9402825	9316507	9433948	1.44	cps
Holmium	165-2	6723024	6638804	6744013	6701947	0.83	cps
Indium	115-1	8354785	8463441	8244256	8354161	1.31	cps
Indium	115-2	2730212	2651687	2724759	2702219	1.62	cps
Iron	56-2	1856754	1850352	1820483	1842530	1.05	cps
Iron	57-2	49993	48080	49261	49111	1.97	cps
Iron	54-2	104611	105342	103516	104490	0.88	cps
Krypton	83-1	230	213	170	204	15.15	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	25
Date & Time Acquired ::	2024-08-26 00:03:01	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	62372	62509	62667	62516	0.24	cps
Lead	207-1	52832	52601	52836	52756	0.25	cps
Lead	208-1	244298	244914	246894	245369	0.55	cps
Lithium	6-1	1635546	1688816	1614846	1646402	2.32	cps
Magnesium	24-2	33453	33921	33901	33758	0.78	cps
Manganese	55-2	381596	382814	380355	381588	0.32	cps
Molybdenum	94-1	1147	960	1037	1048	8.96	cps
Molybdenum	95-1	453	460	503	472	5.75	cps
Molybdenum	96-1	543	597	673	604	10.81	cps
Molybdenum	97-1	293	290	230	271	13.15	cps
Molybdenum	98-1	760	653	607	673	11.67	cps
Neodymium	150-1	6161	6021	5868	6017	2.44	cps
Neodymium	150-2	3430	3490	3254	3392	3.63	cps
Nickel	60-2	1403	1437	1447	1429	1.59	cps
Phosphorus	31-2	633	603	710	649	8.48	cps
Potassium	39-2	61862	61701	61888	61817	0.16	cps
Rhodium	103-1	7766505	7860651	7846142	7824432	0.65	cps
Rhodium	103-2	4612335	4556858	4517469	4562220	1.04	cps
Scandium	45-1	5334793	5279228	5137672	5250565	1.94	cps
Scandium	45-2	366541	362247	365582	364790	0.62	cps
Selenium	82-1	326	390	450	389	15.99	cps
Selenium	77-2	17	7	10	11	45.82	cps
Selenium	78-2	213	217	250	227	8.94	cps
Silicon	28-1	1280881	1275149	1272554	1276195	0.33	cps
Silver	107-1	360	380	343	361	5.08	cps
Silver	109-1	293	353	300	316	10.42	cps
Sodium	23-2	110023	110087	109764	109958	0.16	cps
Strontium	86-1	14467	14838	14801	14702	1.39	cps
Strontium	88-1	128213	128960	130251	129141	0.80	cps
Sulfur	34-1	148958	148506	147935	148467	0.35	cps
Terbium	159-1	9742033	9888212	9859746	9829997	0.79	cps
Terbium	159-2	6619306	6600472	6575912	6598563	0.33	cps
Thallium	203-1	113	120	83	106	18.51	cps
Thallium	205-1	247	273	257	259	5.20	cps
Tin	118-1	1913	1893	1800	1869	3.24	cps
Titanium	47-1	11718	11611	11595	11641	0.58	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14LDLX25	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	25
Date & Time Acquired ::	2024-08-26 00:03:01	DataFile Name :	131SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3480	3374	3584	3479	3.02	cps
Vanadium	51-2	5905	6065	6125	6031	1.89	cps
Yttrium	89-1	11521455	11088034	11116187	11241892	2.16	cps
Yttrium	89-2	2620383	2592996	2574428	2595936	0.89	cps
Zinc	66-2	3404	3704	3467	3525	4.49	cps
Zirconium	90-1	2120	2184	2120	2141	1.71	cps
Zirconium	91-1	407	470	477	451	8.56	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MS	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:06:16	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4666248	4758728	4713026	4712668	0.98	cps
Antimony	121-1	3545125	3629665	3679286	3618025	1.87	cps
Arsenic	75-2	190769	191681	189838	190763	0.48	cps
Barium	135-1	4756819	4783572	4918498	4819630	1.80	cps
Barium	137-1	8133145	8333112	8401837	8289364	1.68	cps
Beryllium	9-1	705327	707617	734137	715694	2.24	cps
Bismuth	209-1	5527667	5515596	5586357	5543207	0.68	cps
Bismuth	209-2	4638662	4863910	4814669	4772414	2.48	cps
Bromine	81-1	39212	42030	44189	41810	5.97	cps
Bromine	81-2	6178	6421	6231	6277	2.04	cps
Cadmium	108-1	64011	65648	66059	65239	1.66	cps
Cadmium	106-1	92814	94935	96504	94751	1.95	cps
Cadmium	111-1	871597	897695	894073	887789	1.59	cps
Calcium	43-1	1451797	1479387	1506535	1479240	1.85	cps
Calcium	44-1	21805195	22658143	22136789	22200042	1.94	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1404742	1396068	1381463	1394091	0.84	cps
Cobalt	59-2	2012533	2017261	2048444	2026080	0.96	cps
Copper	63-2	13137068	13281444	13475373	13297962	1.28	cps
Dysprosium	156-1	69581	71233	69708	70174	1.31	cps
Dysprosium	156-2	59529	58792	59569	59297	0.74	cps
Erbium	164-1	50173	52689	52468	51777	2.69	cps
Erbium	164-2	36872	36795	36621	36763	0.35	cps
Gadolinium	160-1	63393	65331	65418	64714	1.77	cps
Gadolinium	160-2	46337	47604	47547	47163	1.52	cps
Holmium	165-1	9629789	9870783	9743557	9748043	1.24	cps
Holmium	165-2	6669400	6864777	6950484	6828220	2.11	cps
Indium	115-1	8071415	8335304	8125963	8177561	1.70	cps
Indium	115-2	2619105	2596871	2566153	2594043	1.02	cps
Iron	56-2	90201469	92017445	93917589	92045501	2.02	cps
Iron	57-2	2270183	2338711	2358645	2322513	2.00	cps
Iron	54-2	5068774	5022694	5050336	5047268	0.46	cps
Krypton	83-1	297	297	250	281	9.59	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MS	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:06:16	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12251545	12597132	12605112	12484596	1.62	cps
Lead	207-1	10739664	11005016	11060214	10934965	1.57	cps
Lead	208-1	49311307	49295721	49967458	49524829	0.77	cps
Lithium	6-1	1654509	1672723	1661677	1662970	0.55	cps
Magnesium	24-2	10731352	10920107	11028322	10893260	1.38	cps
Manganese	55-2	16708102	16850289	16543891	16700761	0.92	cps
Molybdenum	94-1	15355416	15880722	15385990	15540709	1.90	cps
Molybdenum	95-1	22977567	24103429	23623743	23568246	2.40	cps
Molybdenum	96-1	25008770	25484651	25728337	25407253	1.44	cps
Molybdenum	97-1	14479586	14683061	14673427	14612025	0.79	cps
Molybdenum	98-1	37157600	37657675	38160056	37658444	1.33	cps
Neodymium	150-1	131161	135804	134800	133922	1.82	cps
Neodymium	150-2	77411	77921	76640	77324	0.83	cps
Nickel	60-2	509003	512564	512440	511336	0.40	cps
Phosphorus	31-2	11821	11728	11988	11846	1.11	cps
Potassium	39-2	6562471	6595876	6483405	6547251	0.88	cps
Rhodium	103-1	7490066	7588598	7541367	7540011	0.65	cps
Rhodium	103-2	4305736	4363020	4298630	4322462	0.82	cps
Scandium	45-1	5277714	5412992	5333630	5341445	1.27	cps
Scandium	45-2	364765	361859	365834	364153	0.56	cps
Selenium	82-1	59227	61265	60274	60255	1.69	cps
Selenium	77-2	5468	5068	5134	5223	4.10	cps
Selenium	78-2	16696	16613	16770	16693	0.47	cps
Silicon	28-1	23791805	23579829	23960842	23777492	0.80	cps
Silver	107-1	2144476	2993303	3134177	2757319	19.42	cps
Silver	109-1	2394073	2579013	2977924	2650337	11.26	cps
Sodium	23-2	17408444	17979958	17799518	17729307	1.65	cps
Strontium	86-1	25312820	25716142	25515294	25514752	0.79	cps
Strontium	88-1	221542090	224059810	225522823	223708241	0.90	cps
Sulfur	34-1	268202	265900	265172	266425	0.59	cps
Terbium	159-1	9964372	10116860	10017041	10032758	0.77	cps
Terbium	159-2	6708290	6804653	6763344	6758762	0.72	cps
Thallium	203-1	2890524	2938271	2919322	2916039	0.82	cps
Thallium	205-1	6776910	6893105	6970806	6880274	1.42	cps
Tin	118-1	2512448	2641893	2623177	2592506	2.70	cps
Titanium	47-1	5564638	5826250	5825074	5738654	2.63	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MS	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:06:16	DataFile Name :	132SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8751966	8785601	8660232	8732600	0.74	cps
Vanadium	51-2	1277258	1269653	1288549	1278486	0.74	cps
Yttrium	89-1	12123683	11978416	12146099	12082732	0.75	cps
Yttrium	89-2	2756228	2784121	2802689	2781012	0.84	cps
Zinc	66-2	2281737	2254429	2282446	2272871	0.70	cps
Zirconium	90-1	6216745	6310198	6299302	6275415	0.81	cps
Zirconium	91-1	1373598	1402653	1395589	1390613	1.09	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:09:03	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	949831	934290	942377	942166	0.82	cps
Antimony	121-1	679412	681385	690495	683764	0.86	cps
Arsenic	75-2	37070	36451	36963	36828	0.90	cps
Barium	135-1	897596	901702	909133	902811	0.65	cps
Barium	137-1	1642580	1669587	1664075	1658747	0.86	cps
Beryllium	9-1	141207	141299	142410	141639	0.47	cps
Bismuth	209-1	5832521	5810294	5877122	5839979	0.58	cps
Bismuth	209-2	5001873	4926825	4883369	4937356	1.21	cps
Bromine	81-1	15789	15522	16286	15865	2.44	cps
Bromine	81-2	1390	1327	1227	1315	6.27	cps
Cadmium	108-1	13580	13133	13663	13459	2.12	cps
Cadmium	106-1	20518	21045	20962	20842	1.36	cps
Cadmium	111-1	178974	181886	182800	181220	1.10	cps
Calcium	43-1	302507	302046	305719	303424	0.66	cps
Calcium	44-1	4412523	4461719	4498542	4457595	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	277154	272519	274450	274708	0.85	cps
Cobalt	59-2	397509	390214	396357	394693	0.99	cps
Copper	63-2	2706243	2657108	2662893	2675415	1.00	cps
Dysprosium	156-1	13713	14024	14117	13951	1.51	cps
Dysprosium	156-2	11915	11291	11685	11630	2.71	cps
Erbium	164-1	10224	10060	10304	10196	1.22	cps
Erbium	164-2	7075	7069	7192	7112	0.98	cps
Gadolinium	160-1	12596	13039	12622	12753	1.95	cps
Gadolinium	160-2	9567	9363	9880	9603	2.71	cps
Holmium	165-1	9871584	9796304	9868381	9845423	0.43	cps
Holmium	165-2	6911291	6823506	6828614	6854470	0.72	cps
Indium	115-1	8655377	8458828	8624968	8579725	1.23	cps
Indium	115-2	2674436	2594871	2701141	2656816	2.08	cps
Iron	56-2	18347775	18149598	18079522	18192298	0.76	cps
Iron	57-2	478207	477674	474146	476676	0.46	cps
Iron	54-2	1050650	1030852	1039648	1040384	0.95	cps
Krypton	83-1	197	223	230	217	8.14	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:09:03	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2460620	2519506	2535688	2505271	1.58	cps
Lead	207-1	2168844	2185465	2256989	2203766	2.13	cps
Lead	208-1	9877929	9983161	10190896	10017329	1.59	cps
Lithium	6-1	1711379	1733407	1757557	1734114	1.33	cps
Magnesium	24-2	2156996	2109121	2159000	2141706	1.32	cps
Manganese	55-2	3367625	3237897	3309880	3305134	1.97	cps
Molybdenum	94-1	3128315	3039055	3110799	3092723	1.53	cps
Molybdenum	95-1	4585217	4644369	4655153	4628246	0.81	cps
Molybdenum	96-1	4961528	5091363	5034397	5029096	1.29	cps
Molybdenum	97-1	2916330	2870213	2904776	2897106	0.83	cps
Molybdenum	98-1	7382794	7284535	7536682	7401337	1.72	cps
Neodymium	150-1	26759	26305	26802	26622	1.04	cps
Neodymium	150-2	14998	14811	14801	14870	0.75	cps
Nickel	60-2	103122	102155	103145	102807	0.55	cps
Phosphorus	31-2	2517	2434	2327	2426	3.93	cps
Potassium	39-2	1301184	1283911	1302312	1295802	0.80	cps
Rhodium	103-1	8049277	7897811	8009415	7985501	0.98	cps
Rhodium	103-2	4500029	4456728	4516364	4491040	0.69	cps
Scandium	45-1	5275332	5448643	5443332	5389102	1.83	cps
Scandium	45-2	361067	359827	361628	360841	0.26	cps
Selenium	82-1	11868	12328	11928	12041	2.08	cps
Selenium	77-2	960	1040	1000	1000	4.00	cps
Selenium	78-2	3237	3310	3524	3357	4.44	cps
Silicon	28-1	5064747	4845529	5200773	5037016	3.56	cps
Silver	107-1	721170	722943	723260	722458	0.16	cps
Silver	109-1	677197	680319	686925	681480	0.73	cps
Sodium	23-2	3416492	3393159	3437445	3415699	0.65	cps
Strontium	86-1	5004200	5116710	5105186	5075366	1.22	cps
Strontium	88-1	43241821	44615883	45125519	44327741	2.20	cps
Sulfur	34-1	177778	178397	177049	177742	0.38	cps
Terbium	159-1	10276502	10226424	10203515	10235480	0.36	cps
Terbium	159-2	6798945	6739253	6779962	6772720	0.45	cps
Thallium	203-1	507895	515093	513539	512176	0.74	cps
Thallium	205-1	1196295	1217622	1215706	1209875	0.98	cps
Tin	118-1	483167	492179	493985	489777	1.18	cps
Titanium	47-1	1134946	1149788	1160608	1148447	1.12	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:09:03	DataFile Name :	133SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1539219	1558627	1762641	1620162	7.64	cps
Vanadium	51-2	250949	247588	244726	247754	1.26	cps
Yttrium	89-1	11247842	11727104	11488394	11487780	2.09	cps
Yttrium	89-2	2651732	2612705	2614172	2626203	0.84	cps
Zinc	66-2	450130	445998	446439	447522	0.51	cps
Zirconium	90-1	1204497	1215059	1235460	1218339	1.29	cps
Zirconium	91-1	272584	274789	278377	275250	1.06	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSD	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:12:01	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4601822	4627982	4635390	4621731	0.38	cps
Antimony	121-1	3442806	3642489	3640468	3575254	3.21	cps
Arsenic	75-2	188754	188900	189254	188969	0.14	cps
Barium	135-1	4776423	4756930	4909028	4814127	1.72	cps
Barium	137-1	8082568	8348165	8422731	8284488	2.16	cps
Beryllium	9-1	699459	737368	747403	728077	3.47	cps
Bismuth	209-1	5499550	5512141	5663299	5558330	1.64	cps
Bismuth	209-2	4840205	4797978	4768945	4802376	0.75	cps
Bromine	81-1	40362	42611	43915	42296	4.25	cps
Bromine	81-2	6391	6185	6145	6240	2.12	cps
Cadmium	108-1	64111	65540	65537	65063	1.27	cps
Cadmium	106-1	93827	94908	95740	94825	1.01	cps
Cadmium	111-1	875857	878468	895022	883116	1.18	cps
Calcium	43-1	1452853	1463881	1466469	1461068	0.49	cps
Calcium	44-1	21929210	22433951	22704611	22355924	1.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1401417	1360452	1409375	1390414	1.89	cps
Cobalt	59-2	2047298	2054082	2054267	2051882	0.19	cps
Copper	63-2	13140013	13201973	13266180	13202722	0.48	cps
Dysprosium	156-1	67967	68563	69005	68512	0.76	cps
Dysprosium	156-2	57497	58230	56998	57575	1.08	cps
Erbium	164-1	50682	51183	51555	51140	0.86	cps
Erbium	164-2	35876	35806	35779	35820	0.14	cps
Gadolinium	160-1	63376	63724	64069	63723	0.54	cps
Gadolinium	160-2	47885	46634	46112	46877	1.94	cps
Holmium	165-1	9790185	9610573	9774629	9725129	1.02	cps
Holmium	165-2	6802098	6901416	6820474	6841329	0.77	cps
Indium	115-1	8071888	8228292	8251690	8183957	1.19	cps
Indium	115-2	2602370	2603375	2632410	2612718	0.65	cps
Iron	56-2	92243469	93182509	93178979	92868319	0.58	cps
Iron	57-2	2359979	2379959	2371817	2370585	0.42	cps
Iron	54-2	5123890	5052876	5244225	5140331	1.88	cps
Krypton	83-1	277	253	313	281	10.76	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSD	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:12:01	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12235439	12335602	12707760	12426267	2.00	cps
Lead	207-1	10940834	10927885	10966187	10944969	0.18	cps
Lead	208-1	49099585	49693983	50294680	49696082	1.20	cps
Lithium	6-1	1698148	1731018	1773328	1734164	2.17	cps
Magnesium	24-2	10869524	10789234	10946627	10868462	0.72	cps
Manganese	55-2	16381290	16112841	16426235	16306789	1.04	cps
Molybdenum	94-1	15473814	15610526	15713286	15599209	0.77	cps
Molybdenum	95-1	23235234	23356077	23780464	23457258	1.22	cps
Molybdenum	96-1	25664625	25598535	25588999	25617386	0.16	cps
Molybdenum	97-1	14757145	14665566	14825009	14749240	0.54	cps
Molybdenum	98-1	36662590	37636080	37925694	37408121	1.77	cps
Neodymium	150-1	128862	132920	133630	131804	1.95	cps
Neodymium	150-2	76771	75806	75042	75873	1.14	cps
Nickel	60-2	514431	510911	517588	514310	0.65	cps
Phosphorus	31-2	11761	11721	11635	11706	0.55	cps
Potassium	39-2	6537245	6425773	6388602	6450540	1.20	cps
Rhodium	103-1	7655919	7670007	7738047	7687991	0.57	cps
Rhodium	103-2	4330545	4331597	4303911	4322018	0.36	cps
Scandium	45-1	5356767	5506535	5394241	5419181	1.44	cps
Scandium	45-2	362574	362629	362907	362704	0.05	cps
Selenium	82-1	59087	59557	60248	59631	0.98	cps
Selenium	77-2	5041	5278	5088	5135	2.44	cps
Selenium	78-2	16753	16983	16936	16891	0.72	cps
Silicon	28-1	23228487	23233717	23889330	23450512	1.62	cps
Silver	107-1	3871971	1456418	2071220	2466536	50.90	cps
Silver	109-1	1506536	2245999	1370549	1707694	27.59	cps
Sodium	23-2	17944829	17936136	17786624	17889196	0.50	cps
Strontium	86-1	25488070	25551160	26135752	25724994	1.39	cps
Strontium	88-1	225229263	224860777	227628250	225906097	0.67	cps
Sulfur	34-1	263325	267037	267253	265872	0.83	cps
Terbium	159-1	10041526	10090497	10213880	10115301	0.88	cps
Terbium	159-2	6900341	6879029	6747909	6842426	1.21	cps
Thallium	203-1	2859200	2921300	2984123	2921541	2.14	cps
Thallium	205-1	6808510	6955425	7045804	6936580	1.73	cps
Tin	118-1	2478670	2562444	2596371	2545829	2.38	cps
Titanium	47-1	5756586	5801640	5876589	5811605	1.04	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSD	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:12:01	DataFile Name :	134SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8683854	9135350	9050606	8956604	2.68	cps
Vanadium	51-2	1271179	1276616	1283535	1277110	0.48	cps
Yttrium	89-1	12275357	12196096	12044227	12171894	0.96	cps
Yttrium	89-2	2737073	2736780	2695976	2723276	0.87	cps
Zinc	66-2	2268898	2258644	2241698	2256414	0.61	cps
Zirconium	90-1	6156286	6393847	6382228	6310787	2.12	cps
Zirconium	91-1	1372978	1400136	1411651	1394922	1.42	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:14:48	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	974637	959115	971456	968403	0.85	cps
Antimony	121-1	697935	699669	705442	701015	0.56	cps
Arsenic	75-2	38470	38346	38573	38463	0.30	cps
Barium	135-1	906971	916663	914429	912688	0.56	cps
Barium	137-1	1671856	1676562	1692820	1680412	0.65	cps
Beryllium	9-1	144645	148689	146217	146517	1.39	cps
Bismuth	209-1	5757369	5820762	5871211	5816447	0.98	cps
Bismuth	209-2	4933151	4907594	4867635	4902794	0.67	cps
Bromine	81-1	16346	16045	16252	16215	0.95	cps
Bromine	81-2	1397	1403	1473	1425	2.98	cps
Cadmium	108-1	13099	13373	13583	13352	1.82	cps
Cadmium	106-1	20962	21339	21403	21234	1.12	cps
Cadmium	111-1	182384	186748	186248	185127	1.29	cps
Calcium	43-1	308431	308923	311148	309500	0.47	cps
Calcium	44-1	4456235	4431597	4522235	4470022	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	287794	283750	282857	284800	0.92	cps
Cobalt	59-2	410043	410262	406925	409077	0.46	cps
Copper	63-2	2708735	2740203	2743670	2730869	0.70	cps
Dysprosium	156-1	13864	13987	13537	13796	1.69	cps
Dysprosium	156-2	11335	11378	11598	11437	1.24	cps
Erbium	164-1	10461	10140	10601	10401	2.27	cps
Erbium	164-2	7435	7175	7295	7302	1.78	cps
Gadolinium	160-1	12672	12976	13009	12886	1.44	cps
Gadolinium	160-2	9730	9433	9647	9603	1.59	cps
Holmium	165-1	9913827	9813785	9754194	9827269	0.82	cps
Holmium	165-2	6845142	6833361	6752191	6810231	0.74	cps
Indium	115-1	8509068	8263027	8394833	8388976	1.47	cps
Indium	115-2	2664145	2678757	2632052	2658318	0.90	cps
Iron	56-2	19173326	18634888	19319644	19042620	1.89	cps
Iron	57-2	492907	490287	492659	491951	0.29	cps
Iron	54-2	1097778	1079484	1081620	1086294	0.92	cps
Krypton	83-1	203	190	193	196	3.55	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:14:48	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2532332	2546361	2579290	2552661	0.94	cps
Lead	207-1	2231162	2247774	2287448	2255462	1.28	cps
Lead	208-1	10085823	10094657	10319478	10166652	1.30	cps
Lithium	6-1	1750250	1778835	1794413	1774499	1.26	cps
Magnesium	24-2	2225639	2201032	2211846	2212839	0.56	cps
Manganese	55-2	3341685	3304866	3347768	3331440	0.70	cps
Molybdenum	94-1	3073499	3179899	3187065	3146821	2.02	cps
Molybdenum	95-1	4635534	4687737	4683672	4668981	0.62	cps
Molybdenum	96-1	5063726	5152022	5151399	5122382	0.99	cps
Molybdenum	97-1	2880585	2976776	2901740	2919700	1.73	cps
Molybdenum	98-1	7490913	7555153	7445522	7497196	0.73	cps
Neodymium	150-1	26482	26599	26472	26517	0.27	cps
Neodymium	150-2	15205	15202	14975	15127	0.87	cps
Nickel	60-2	107331	107076	107260	107222	0.12	cps
Phosphorus	31-2	2660	2467	2614	2580	3.91	cps
Potassium	39-2	1349418	1359937	1339731	1349695	0.75	cps
Rhodium	103-1	7970132	8029873	7951815	7983940	0.51	cps
Rhodium	103-2	4469238	4509311	4510398	4496316	0.52	cps
Scandium	45-1	5432541	5355170	5381446	5389719	0.73	cps
Scandium	45-2	365654	364973	364855	365161	0.12	cps
Selenium	82-1	12506	12354	12335	12398	0.75	cps
Selenium	77-2	987	1027	963	992	3.23	cps
Selenium	78-2	3721	3450	3717	3629	4.27	cps
Silicon	28-1	5056414	5109769	5000033	5055405	1.09	cps
Silver	107-1	768105	777684	777823	774537	0.72	cps
Silver	109-1	724957	731855	734781	730531	0.69	cps
Sodium	23-2	3683269	3646932	3602829	3644343	1.11	cps
Strontium	86-1	5220598	5192718	5318027	5243781	1.25	cps
Strontium	88-1	44071864	44874649	45972944	44973153	2.12	cps
Sulfur	34-1	177416	178914	178786	178372	0.47	cps
Terbium	159-1	10223588	10330335	10283318	10279080	0.52	cps
Terbium	159-2	6876382	6866749	6862205	6868445	0.11	cps
Thallium	203-1	525750	533333	528053	529045	0.73	cps
Thallium	205-1	1234004	1251382	1264518	1249968	1.22	cps
Tin	118-1	494639	503863	504256	500920	1.09	cps
Titanium	47-1	1169576	1184216	1182830	1178874	0.69	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14MSDDLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:14:48	DataFile Name :	135SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1559976	1600022	1606465	1588821	1.59	cps
Vanadium	51-2	257425	256736	258551	257571	0.36	cps
Yttrium	89-1	11477831	11622283	11543528	11547880	0.63	cps
Yttrium	89-2	2616112	2599517	2642473	2619367	0.83	cps
Zinc	66-2	455885	458010	457210	457035	0.23	cps
Zirconium	90-1	1229457	1261304	1262074	1250945	1.49	cps
Zirconium	91-1	279036	280345	281954	280445	0.52	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:42:20	DataFile Name :	137CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5948982	5928487	6001766	5959745	0.63	cps
Antimony	121-1	3305949	3340468	3315676	3320698	0.54	cps
Arsenic	75-2	160736	159998	158574	159769	0.69	cps
Barium	135-1	3847140	3836085	3809037	3830754	0.51	cps
Barium	137-1	6631600	6528678	6606081	6588786	0.81	cps
Beryllium	9-1	636014	645024	659626	646888	1.84	cps
Bismuth	209-1	5098440	5097920	5203333	5133231	1.18	cps
Bismuth	209-2	4466651	4345545	4472415	4428204	1.62	cps
Bromine	81-1	7295	7352	7632	7426	2.43	cps
Bromine	81-2	60	57	53	57	5.89	cps
Cadmium	108-1	55439	56034	57045	56173	1.45	cps
Cadmium	106-1	79764	81574	81058	80799	1.15	cps
Cadmium	111-1	743217	754499	763414	753710	1.34	cps
Calcium	43-1	4643402	4807430	4805268	4752033	1.98	cps
Calcium	44-1	73389411	77067436	75352857	75269901	2.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1132970	1139514	1138204	1136896	0.30	cps
Cobalt	59-2	1747722	1726167	1759554	1744481	0.97	cps
Copper	63-2	12367590	12191381	12035314	12198095	1.36	cps
Dysprosium	156-1	300	237	263	267	11.93	cps
Dysprosium	156-2	267	240	313	273	13.58	cps
Erbium	164-1	200	187	227	204	9.96	cps
Erbium	164-2	130	147	167	148	12.42	cps
Gadolinium	160-1	167	130	217	171	25.42	cps
Gadolinium	160-2	383	393	330	369	9.23	cps
Holmium	165-1	9093794	9295443	9553823	9314353	2.48	cps
Holmium	165-2	6567032	6498843	6708022	6591299	1.62	cps
Indium	115-1	7697848	7682231	7842117	7740732	1.14	cps
Indium	115-2	2517318	2474247	2507345	2499637	0.90	cps
Iron	56-2	246068630	241897416	240792376	242919474	1.15	cps
Iron	57-2	6039388	6013857	6064183	6039143	0.42	cps
Iron	54-2	12866896	13372911	13090482	13110097	1.93	cps
Krypton	83-1	190	220	187	199	9.23	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:42:20	DataFile Name :	137CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9649966	9731454	9997977	9793132	1.86	cps
Lead	207-1	8626383	8712413	8785262	8708019	0.91	cps
Lead	208-1	38604040	39500416	39572221	39225559	1.38	cps
Lithium	6-1	1648242	1635856	1622132	1635410	0.80	cps
Magnesium	24-2	50472324	50018626	49918051	50136334	0.59	cps
Manganese	55-2	8078808	8220423	8067510	8122247	1.05	cps
Molybdenum	94-1	12033596	12054849	12269085	12119177	1.07	cps
Molybdenum	95-1	17131729	17329508	17570506	17343914	1.27	cps
Molybdenum	96-1	18584341	18563366	18970614	18706107	1.23	cps
Molybdenum	97-1	10651174	10856456	11064248	10857293	1.90	cps
Molybdenum	98-1	27312255	27909400	28497706	27906454	2.12	cps
Neodymium	150-1	237	290	273	267	10.23	cps
Neodymium	150-2	103	113	100	106	6.57	cps
Nickel	60-2	429326	428434	424299	427353	0.63	cps
Phosphorus	31-2	64622	64830	65208	64887	0.46	cps
Potassium	39-2	29434056	29199300	29561695	29398351	0.63	cps
Rhodium	103-1	7070705	7051353	7229242	7117100	1.37	cps
Rhodium	103-2	4015156	4055281	4072019	4047485	0.72	cps
Scandium	45-1	5206593	5181522	5246575	5211564	0.63	cps
Scandium	45-2	351434	352577	354092	352701	0.38	cps
Selenium	82-1	50651	51745	52013	51470	1.40	cps
Selenium	77-2	4101	4294	4354	4250	3.12	cps
Selenium	78-2	14010	14634	14330	14325	2.18	cps
Silicon	28-1	33692884	33737145	34008274	33812768	0.50	cps
Silver	107-1	3820460	3826393	3850106	3832320	0.41	cps
Silver	109-1	3645032	3672253	3694595	3670627	0.68	cps
Sodium	23-2	79849822	78840585	79331740	79340716	0.64	cps
Strontium	86-1	25651390	25851080	25838616	25780362	0.43	cps
Strontium	88-1	220760483	226099930	226836343	224565586	1.48	cps
Sulfur	34-1	477277	485116	481534	481309	0.82	cps
Terbium	159-1	9542171	9712046	9799134	9684450	1.35	cps
Terbium	159-2	6667468	6572175	6575179	6604941	0.82	cps
Thallium	203-1	2464461	2464946	2502482	2477296	0.88	cps
Thallium	205-1	5803865	5884667	6064859	5917797	2.26	cps
Tin	118-1	2486592	2537647	2574806	2533015	1.75	cps
Titanium	47-1	4974257	5030702	4918945	4974635	1.12	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV10	Instrumnet Name :	P7
Client Sample ID :	CCV10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:42:20	DataFile Name :	137CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7454220	7800989	7647804	7634338	2.28	cps
Vanadium	51-2	1015216	1023692	1032334	1023747	0.84	cps
Yttrium	89-1	10831668	10847774	10839102	10839515	0.07	cps
Yttrium	89-2	2535580	2458488	2516491	2503520	1.60	cps
Zinc	66-2	2085915	2032010	1991294	2036406	2.33	cps
Zirconium	90-1	5641323	5730195	5850230	5740583	1.83	cps
Zirconium	91-1	1250432	1260725	1287259	1266138	1.50	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:52:34	DataFile Name :	138CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	330	370	347	349	5.76	cps
Antimony	121-1	633	830	787	750	13.78	cps
Arsenic	75-2	13	3	3	7	86.65	cps
Barium	135-1	150	167	160	159	5.28	cps
Barium	137-1	273	240	207	240	13.89	cps
Beryllium	9-1	97	63	60	73	27.65	cps
Bismuth	209-1	5626649	5511475	5647461	5595195	1.31	cps
Bismuth	209-2	4704552	4709443	4761619	4725205	0.67	cps
Bromine	81-1	7342	7295	7605	7414	2.26	cps
Bromine	81-2	60	40	40	47	24.74	cps
Cadmium	108-1	23	13	3	13	75.02	cps
Cadmium	106-1	2147	1973	1873	1998	6.92	cps
Cadmium	111-1	1520	1415	1336	1424	6.48	cps
Calcium	43-1	453	467	397	439	8.47	cps
Calcium	44-1	12002	11695	12426	12041	3.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	457	527	550	511	9.50	cps
Cobalt	59-2	147	127	133	136	7.51	cps
Copper	63-2	1080	1143	1157	1127	3.64	cps
Dysprosium	156-1	53	37	53	48	20.13	cps
Dysprosium	156-2	7	27	10	14	74.18	cps
Erbium	164-1	57	70	57	61	12.59	cps
Erbium	164-2	27	47	43	39	27.55	cps
Gadolinium	160-1	37	57	23	39	43.15	cps
Gadolinium	160-2	297	273	233	268	11.96	cps
Holmium	165-1	9248090	9433974	9108892	9263652	1.76	cps
Holmium	165-2	6499167	6653406	6517220	6556598	1.29	cps
Indium	115-1	8170627	8296558	8211393	8226193	0.78	cps
Indium	115-2	2669338	2602065	2605150	2625517	1.45	cps
Iron	56-2	17705	17694	18245	17881	1.76	cps
Iron	57-2	1433	1657	1537	1542	7.25	cps
Iron	54-2	1703	1773	1730	1736	2.04	cps
Krypton	83-1	200	133	203	179	22.07	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:52:34	DataFile Name :	138CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	427	417	530	458	13.71	cps
Lead	207-1	447	457	450	451	1.13	cps
Lead	208-1	1923	1927	2130	1993	5.94	cps
Lithium	6-1	1703644	1701994	1662609	1689416	1.38	cps
Magnesium	24-2	1853	2037	2020	1970	5.15	cps
Manganese	55-2	643	687	633	654	4.33	cps
Molybdenum	94-1	530	567	637	578	9.38	cps
Molybdenum	95-1	583	567	580	577	1.53	cps
Molybdenum	96-1	730	700	623	684	8.04	cps
Molybdenum	97-1	370	363	413	382	7.10	cps
Molybdenum	98-1	850	873	813	846	3.58	cps
Neodymium	150-1	17	7	3	9	78.08	cps
Neodymium	150-2	10	3	7	7	50.03	cps
Nickel	60-2	153	177	160	163	7.36	cps
Phosphorus	31-2	100	100	80	93	12.37	cps
Potassium	39-2	44014	44722	44458	44398	0.81	cps
Rhodium	103-1	7680482	7748942	7688114	7705846	0.49	cps
Rhodium	103-2	4448289	4449026	4414129	4437148	0.45	cps
Scandium	45-1	5252755	5301272	5238685	5264238	0.62	cps
Scandium	45-2	356424	357997	356490	356970	0.25	cps
Selenium	82-1	273	400	304	326	20.35	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	160	203	227	197	17.20	cps
Silicon	28-1	290553	289840	291801	290731	0.34	cps
Silver	107-1	203	200	183	196	5.48	cps
Silver	109-1	117	133	140	130	9.24	cps
Sodium	23-2	16579	16439	16739	16586	0.91	cps
Strontium	86-1	937	893	983	938	4.80	cps
Strontium	88-1	5501	5491	5688	5560	1.99	cps
Sulfur	34-1	194013	194916	192678	193869	0.58	cps
Terbium	159-1	9669310	9706488	9655359	9677052	0.27	cps
Terbium	159-2	6504916	6483060	6456828	6481601	0.37	cps
Thallium	203-1	107	100	90	99	8.48	cps
Thallium	205-1	280	243	213	246	13.60	cps
Tin	118-1	1107	993	1097	1066	5.89	cps
Titanium	47-1	207	227	310	248	22.12	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB10	Instrumnet Name :	P7
Client Sample ID :	CCB10	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:52:34	DataFile Name :	138CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	183	170	157	170	7.84	cps
Vanadium	51-2	60	47	33	47	28.58	cps
Yttrium	89-1	10911842	10971507	10992764	10958704	0.38	cps
Yttrium	89-2	2520110	2586019	2534635	2546921	1.36	cps
Zinc	66-2	753	813	747	771	4.76	cps
Zirconium	90-1	713	747	823	761	7.41	cps
Zirconium	91-1	137	163	180	160	13.66	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14A	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:55:51	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4731778	4628390	4729790	4696653	1.26	cps
Antimony	121-1	3527638	3584016	3561283	3557645	0.80	cps
Arsenic	75-2	189048	185257	185130	186478	1.19	cps
Barium	135-1	4567318	4715381	4850381	4711027	3.01	cps
Barium	137-1	8015888	8197614	8273120	8162207	1.62	cps
Beryllium	9-1	726687	760130	763592	750136	2.72	cps
Bismuth	209-1	5435366	5571892	5506043	5504434	1.24	cps
Bismuth	209-2	4713085	4731608	4755771	4733488	0.45	cps
Bromine	81-1	36288	38951	41846	39028	7.12	cps
Bromine	81-2	5851	5481	5805	5712	3.53	cps
Cadmium	108-1	63686	64867	64911	64488	1.08	cps
Cadmium	106-1	93076	93931	94955	93987	1.00	cps
Cadmium	111-1	867229	873406	883216	874617	0.92	cps
Calcium	43-1	1425532	1520813	1473456	1473267	3.23	cps
Calcium	44-1	22020121	23111310	22875299	22668910	2.53	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1380610	1375298	1383944	1379951	0.32	cps
Cobalt	59-2	2036364	2009275	1974835	2006825	1.54	cps
Copper	63-2	12909024	12998896	12859051	12922324	0.55	cps
Dysprosium	156-1	68888	70824	71384	70365	1.86	cps
Dysprosium	156-2	57721	58866	58545	58377	1.01	cps
Erbium	164-1	51123	51679	52642	51815	1.48	cps
Erbium	164-2	36875	36060	35906	36280	1.44	cps
Gadolinium	160-1	63175	64140	65043	64119	1.46	cps
Gadolinium	160-2	47179	47326	46510	47005	0.93	cps
Holmium	165-1	9541355	9860260	9600794	9667470	1.75	cps
Holmium	165-2	6689340	6825526	6743479	6752782	1.02	cps
Indium	115-1	8013729	8074144	8236709	8108194	1.42	cps
Indium	115-2	2627305	2580823	2641805	2616645	1.22	cps
Iron	56-2	89971665	87261329	89303965	88845653	1.59	cps
Iron	57-2	2256812	2255202	2196917	2236310	1.53	cps
Iron	54-2	4917176	4941228	4898647	4919017	0.43	cps
Krypton	83-1	247	330	230	269	19.93	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14A	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:55:51	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12095253	12519592	12404724	12339856	1.78	cps
Lead	207-1	10604817	10961654	10894199	10820223	1.75	cps
Lead	208-1	48213288	49333598	49323044	48956644	1.32	cps
Lithium	6-1	1724086	1774678	1762432	1753732	1.51	cps
Magnesium	24-2	10703635	10911804	11015699	10877046	1.46	cps
Manganese	55-2	16535147	16358864	16479151	16457720	0.55	cps
Molybdenum	94-1	15283753	15434244	15412223	15376740	0.53	cps
Molybdenum	95-1	22667501	22528317	23217812	22804543	1.60	cps
Molybdenum	96-1	24636365	24799090	25378220	24937892	1.56	cps
Molybdenum	97-1	14037299	14551027	14559922	14382749	2.08	cps
Molybdenum	98-1	35918626	36987249	36849139	36585004	1.59	cps
Neodymium	150-1	130575	134398	133940	132971	1.57	cps
Neodymium	150-2	78034	77462	76714	77403	0.86	cps
Nickel	60-2	505674	504350	503470	504498	0.22	cps
Phosphorus	31-2	11791	11705	11438	11645	1.58	cps
Potassium	39-2	6356385	6315881	6362135	6344800	0.40	cps
Rhodium	103-1	7479907	7555386	7453362	7496218	0.71	cps
Rhodium	103-2	4343510	4325106	4404883	4357833	0.96	cps
Scandium	45-1	5462195	5463750	5504965	5476970	0.44	cps
Scandium	45-2	358822	356329	360587	358579	0.60	cps
Selenium	82-1	58123	58632	59894	58883	1.55	cps
Selenium	77-2	5128	4847	5124	5033	3.19	cps
Selenium	78-2	16916	16703	16943	16854	0.78	cps
Silicon	28-1	24924693	25221530	27344894	25830372	5.11	cps
Silver	107-1	1064074	1056028	1180158	1100087	6.31	cps
Silver	109-1	883498	901866	994463	926609	6.42	cps
Sodium	23-2	17620825	18110641	17683217	17804894	1.50	cps
Strontium	86-1	25530845	25556024	26626975	25904614	2.42	cps
Strontium	88-1	218863397	220514950	222585617	220654654	0.85	cps
Sulfur	34-1	288921	288661	287302	288295	0.30	cps
Terbium	159-1	9923363	10090065	10073954	10029127	0.92	cps
Terbium	159-2	6854356	6670811	6769259	6764809	1.36	cps
Thallium	203-1	2846108	2958095	2893356	2899186	1.94	cps
Thallium	205-1	6803732	6956243	6919068	6893014	1.15	cps
Tin	118-1	2534780	2518547	2577216	2543514	1.19	cps
Titanium	47-1	5685477	5880485	6062856	5876272	3.21	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14A	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 00:55:51	DataFile Name :	139SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8696128	8993452	8974702	8888094	1.87	cps
Vanadium	51-2	1259220	1244369	1256743	1253444	0.63	cps
Yttrium	89-1	11882462	12147696	12268901	12099687	1.63	cps
Yttrium	89-2	2721325	2703573	2749186	2724695	0.84	cps
Zinc	66-2	2200168	2166586	2187248	2184667	0.78	cps
Zirconium	90-1	6131424	6381617	6297582	6270208	2.03	cps
Zirconium	91-1	1354194	1387471	1409696	1383787	2.02	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:58:40	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	939302	939648	936146	938365	0.21	cps
Antimony	121-1	667222	677078	679105	674468	0.94	cps
Arsenic	75-2	36385	35439	36525	36116	1.64	cps
Barium	135-1	872637	882946	892217	882600	1.11	cps
Barium	137-1	1625823	1589008	1635333	1616721	1.51	cps
Beryllium	9-1	150430	151930	151979	151446	0.58	cps
Bismuth	209-1	5976665	5710022	5824800	5837162	2.29	cps
Bismuth	209-2	5002976	5016316	5001498	5006930	0.16	cps
Bromine	81-1	14210	14984	15168	14787	3.44	cps
Bromine	81-2	1250	1300	1353	1301	3.97	cps
Cadmium	108-1	13156	13310	12769	13078	2.13	cps
Cadmium	106-1	20635	20848	21092	20858	1.10	cps
Cadmium	111-1	177406	179850	181201	179486	1.07	cps
Calcium	43-1	302290	302436	303236	302654	0.17	cps
Calcium	44-1	4459099	4422600	4406391	4429363	0.61	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	275326	277196	271848	274790	0.99	cps
Cobalt	59-2	390955	390466	387057	389493	0.55	cps
Copper	63-2	2651079	2658658	2617189	2642309	0.84	cps
Dysprosium	156-1	14014	14167	13944	14042	0.81	cps
Dysprosium	156-2	11465	11451	11798	11572	1.70	cps
Erbium	164-1	9847	10424	10117	10129	2.85	cps
Erbium	164-2	7335	6972	7008	7105	2.82	cps
Gadolinium	160-1	12259	12416	12913	12529	2.72	cps
Gadolinium	160-2	9460	9160	9293	9304	1.62	cps
Holmium	165-1	9838719	9861938	9653941	9784866	1.16	cps
Holmium	165-2	7010456	6781738	6740524	6844240	2.12	cps
Indium	115-1	8249125	8419468	8078095	8248896	2.07	cps
Indium	115-2	2660301	2651219	2685477	2665665	0.67	cps
Iron	56-2	17792806	17900620	17659048	17784158	0.68	cps
Iron	57-2	461224	463214	453378	459272	1.13	cps
Iron	54-2	1015702	1011677	1004814	1010731	0.54	cps
Krypton	83-1	220	240	207	222	7.55	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:58:40	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2438129	2493173	2518473	2483258	1.65	cps
Lead	207-1	2158447	2190456	2182526	2177143	0.77	cps
Lead	208-1	9879634	9936043	9944033	9919903	0.35	cps
Lithium	6-1	1798623	1830840	1816591	1815352	0.89	cps
Magnesium	24-2	2147848	2138400	2109459	2131902	0.94	cps
Manganese	55-2	3234956	3277378	3229647	3247327	0.81	cps
Molybdenum	94-1	2987896	3019614	3104449	3037320	1.98	cps
Molybdenum	95-1	4461637	4481387	4474749	4472591	0.22	cps
Molybdenum	96-1	4862761	4960822	4784508	4869364	1.81	cps
Molybdenum	97-1	2798722	2833302	2786101	2806042	0.87	cps
Molybdenum	98-1	7036168	7289547	7256843	7194186	1.92	cps
Neodymium	150-1	26455	26745	26552	26584	0.56	cps
Neodymium	150-2	15182	15195	14624	15000	2.17	cps
Nickel	60-2	101853	101397	102373	101874	0.48	cps
Phosphorus	31-2	2354	2407	2414	2391	1.38	cps
Potassium	39-2	1285988	1285573	1299905	1290489	0.63	cps
Rhodium	103-1	7696114	7817350	7906847	7806770	1.35	cps
Rhodium	103-2	4391987	4425165	4458097	4425083	0.75	cps
Scandium	45-1	5451278	5234089	5319602	5334990	2.05	cps
Scandium	45-2	362333	358591	357367	359430	0.72	cps
Selenium	82-1	12184	11795	12090	12023	1.69	cps
Selenium	77-2	927	893	950	923	3.08	cps
Selenium	78-2	3617	3334	3374	3442	4.46	cps
Silicon	28-1	5036803	5202053	5468813	5235890	4.16	cps
Silver	107-1	735470	752639	750266	746125	1.25	cps
Silver	109-1	701110	712658	714773	709514	1.04	cps
Sodium	23-2	3436004	3470009	3480143	3462052	0.67	cps
Strontium	86-1	5081852	5093309	5060648	5078603	0.33	cps
Strontium	88-1	43629106	44217358	43680203	43842222	0.74	cps
Sulfur	34-1	194339	196384	193657	194793	0.73	cps
Terbium	159-1	10336945	10193677	10180382	10237001	0.85	cps
Terbium	159-2	6775380	6668989	6831317	6758562	1.22	cps
Thallium	203-1	509694	512189	513475	511786	0.38	cps
Thallium	205-1	1206763	1212801	1222157	1213907	0.64	cps
Tin	118-1	470160	480854	480718	477244	1.29	cps
Titanium	47-1	1145457	1172666	1153027	1157050	1.21	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3671-14ADLX5	Instrumnet Name :	P7
Client Sample ID :	S-912-J-SO-0.5-1-08192	Dilution Factor :	5
Date & Time Acquired ::	2024-08-26 00:58:40	DataFile Name :	140SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1522936	1575547	1570334	1556272	1.86	cps
Vanadium	51-2	249170	246517	243068	246252	1.24	cps
Yttrium	89-1	11353251	11526753	11385740	11421915	0.81	cps
Yttrium	89-2	2590681	2645440	2571575	2602565	1.47	cps
Zinc	66-2	443732	439974	436363	440023	0.84	cps
Zirconium	90-1	1207708	1225888	1213981	1215859	0.76	cps
Zirconium	91-1	268745	273722	272002	271490	0.93	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE2	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:15:07	DataFile Name :	142SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1105531	1102816	1084328	1097559	1.05	cps
Antimony	121-1	3448416	3553432	3502645	3501498	1.50	cps
Arsenic	75-2	173818	173194	172109	173040	0.50	cps
Barium	135-1	3916934	3992458	4014992	3974794	1.29	cps
Barium	137-1	6873022	6879839	6795951	6849604	0.68	cps
Beryllium	9-1	757201	769396	791584	772727	2.26	cps
Bismuth	209-1	5340900	5360235	5338091	5346408	0.23	cps
Bismuth	209-2	4613334	4585924	4669214	4622824	0.92	cps
Bromine	81-1	22884	27289	29219	26464	12.27	cps
Bromine	81-2	3931	4024	4061	4005	1.67	cps
Cadmium	108-1	63886	64406	65283	64525	1.09	cps
Cadmium	106-1	91801	91875	93033	92236	0.75	cps
Cadmium	111-1	853926	864429	874941	864432	1.22	cps
Calcium	43-1	1449692	1417924	1455636	1441084	1.41	cps
Calcium	44-1	21790442	21779732	21621673	21730616	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1207061	1209883	1195617	1204187	0.63	cps
Cobalt	59-2	1978193	2004468	1963579	1982080	1.05	cps
Copper	63-2	12442513	12382069	12263639	12362740	0.74	cps
Dysprosium	156-1	340	360	300	333	9.16	cps
Dysprosium	156-2	303	353	347	334	8.12	cps
Erbium	164-1	313	310	393	339	13.92	cps
Erbium	164-2	210	270	243	241	12.47	cps
Gadolinium	160-1	327	280	250	286	13.53	cps
Gadolinium	160-2	467	407	460	444	7.40	cps
Holmium	165-1	9348419	9224871	9295252	9289514	0.67	cps
Holmium	165-2	6458926	6620732	6586953	6555537	1.30	cps
Indium	115-1	7931571	7854432	7993290	7926431	0.88	cps
Indium	115-2	2502187	2483479	2441576	2475748	1.25	cps
Iron	56-2	55629444	54792398	54681659	55034500	0.94	cps
Iron	57-2	1390769	1392374	1402977	1395373	0.48	cps
Iron	54-2	3019963	3053340	3089897	3054400	1.15	cps
Krypton	83-1	210	220	207	212	3.27	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE2	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:15:07	DataFile Name :	142SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10384256	10658821	10639833	10560970	1.45	cps
Lead	207-1	9162626	9423612	9662035	9416091	2.65	cps
Lead	208-1	41642514	42475378	42910242	42342711	1.52	cps
Lithium	6-1	1704372	1822751	1793684	1773603	3.48	cps
Magnesium	24-2	10693003	10746187	10553204	10664132	0.93	cps
Manganese	55-2	9005679	8878025	8669132	8850945	1.92	cps
Molybdenum	94-1	15284699	15694481	15337589	15438923	1.44	cps
Molybdenum	95-1	23044667	23636364	23177655	23286229	1.33	cps
Molybdenum	96-1	25181473	24784023	25261793	25075763	1.02	cps
Molybdenum	97-1	14442593	14313742	14428364	14394900	0.49	cps
Molybdenum	98-1	36855547	37056189	36858637	36923458	0.31	cps
Neodymium	150-1	427	453	507	462	8.81	cps
Neodymium	150-2	267	197	260	241	16.02	cps
Nickel	60-2	476751	475018	471246	474339	0.59	cps
Phosphorus	31-2	703	683	713	700	2.18	cps
Potassium	39-2	6545654	6503651	6467492	6505599	0.60	cps
Rhodium	103-1	7408166	7277104	7242909	7309393	1.19	cps
Rhodium	103-2	4162270	4228310	4189167	4193249	0.79	cps
Scandium	45-1	5341030	5363088	5195676	5299931	1.72	cps
Scandium	45-2	348947	348074	348145	348388	0.14	cps
Selenium	82-1	56228	57016	57795	57013	1.37	cps
Selenium	77-2	4767	4694	4417	4626	3.99	cps
Selenium	78-2	15815	15735	15431	15661	1.29	cps
Silicon	28-1	11780115	11424084	12164917	11789705	3.14	cps
Silver	107-1	2318934	2371187	2879490	2523204	12.27	cps
Silver	109-1	2732614	3125763	2851002	2903126	6.95	cps
Sodium	23-2	35275397	35146949	35369057	35263801	0.32	cps
Strontium	86-1	25243690	25469246	25326827	25346588	0.45	cps
Strontium	88-1	221635463	223787690	223560663	222994606	0.53	cps
Sulfur	34-1	281630	281038	280007	280892	0.29	cps
Terbium	159-1	9783230	9908435	9625841	9772502	1.45	cps
Terbium	159-2	6625708	6529570	6487003	6547427	1.09	cps
Thallium	203-1	2778267	2877939	2802214	2819473	1.85	cps
Thallium	205-1	6535361	6796712	6792417	6708163	2.23	cps
Tin	118-1	2500619	2565055	2549041	2538238	1.32	cps
Titanium	47-1	5583255	5590905	5531697	5568619	0.58	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	P3440-01ARE2	Instrumnet Name :	P7
Client Sample ID :	923-K1-WS-080124ARE2	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:15:07	DataFile Name :	142SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8484329	8776061	8698986	8653125	1.75	cps
Vanadium	51-2	1117562	1118023	1109903	1115163	0.41	cps
Yttrium	89-1	10954504	10734362	11031840	10906902	1.42	cps
Yttrium	89-2	2446441	2411196	2508030	2455222	2.00	cps
Zinc	66-2	2160341	2157222	2142884	2153482	0.43	cps
Zirconium	90-1	6142159	6163759	6218464	6174794	0.64	cps
Zirconium	91-1	1353986	1367255	1369408	1363550	0.61	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV11	Instrumnet Name :	P7
Client Sample ID :	CCV11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:17:53	DataFile Name :	143CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5778145	5762865	5734445	5758485	0.39	cps
Antimony	121-1	3294746	3340049	3327662	3320819	0.71	cps
Arsenic	75-2	155424	154918	155077	155140	0.17	cps
Barium	135-1	3821142	3918758	3860332	3866744	1.27	cps
Barium	137-1	6573026	6643373	6644405	6620268	0.62	cps
Beryllium	9-1	677742	692775	688872	686463	1.14	cps
Bismuth	209-1	5261794	5338236	5119023	5239685	2.12	cps
Bismuth	209-2	4400427	4474767	4433102	4436099	0.84	cps
Bromine	81-1	9740	9290	9110	9380	3.46	cps
Bromine	81-2	217	250	283	250	13.33	cps
Cadmium	108-1	55104	55462	56453	55673	1.25	cps
Cadmium	106-1	82006	82144	82486	82212	0.30	cps
Cadmium	111-1	749440	761157	771836	760811	1.47	cps
Calcium	43-1	4708632	4827124	4845657	4793805	1.55	cps
Calcium	44-1	75592441	76052849	75702059	75782449	0.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1107471	1092652	1118896	1106340	1.19	cps
Cobalt	59-2	1686822	1684670	1674987	1682160	0.37	cps
Copper	63-2	11871911	12042231	11981997	11965380	0.72	cps
Dysprosium	156-1	273	237	240	250	8.11	cps
Dysprosium	156-2	280	257	253	263	5.52	cps
Erbium	164-1	207	243	197	216	11.40	cps
Erbium	164-2	107	110	133	117	12.46	cps
Gadolinium	160-1	157	190	157	168	11.47	cps
Gadolinium	160-2	440	363	363	389	11.38	cps
Holmium	165-1	9388242	9567186	9232554	9395994	1.78	cps
Holmium	165-2	6643741	6673175	6772531	6696482	1.01	cps
Indium	115-1	7732278	7748539	7782449	7754422	0.33	cps
Indium	115-2	2438398	2450005	2479297	2455900	0.86	cps
Iron	56-2	237959363	233980483	234768163	235569336	0.89	cps
Iron	57-2	5759251	5869303	5864749	5831101	1.07	cps
Iron	54-2	12679214	12716060	12847029	12747434	0.69	cps
Krypton	83-1	190	193	227	203	9.97	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV11	Instrumnet Name :	P7
Client Sample ID :	CCV11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:17:53	DataFile Name :	143CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10021978	9930693	9999522	9984064	0.48	cps
Lead	207-1	8852780	8848898	8850703	8850794	0.02	cps
Lead	208-1	39987501	39429578	39750588	39722556	0.70	cps
Lithium	6-1	1753678	1750989	1824080	1776249	2.33	cps
Magnesium	24-2	49345878	48522896	49164316	49011030	0.88	cps
Manganese	55-2	7893904	7876493	7797545	7855981	0.65	cps
Molybdenum	94-1	11758862	11923245	12244714	11975607	2.06	cps
Molybdenum	95-1	17325836	17274666	17551674	17384059	0.85	cps
Molybdenum	96-1	18685571	18595091	19186908	18822523	1.69	cps
Molybdenum	97-1	10804512	10833857	10942405	10860258	0.67	cps
Molybdenum	98-1	27566571	27912640	28317837	27932349	1.35	cps
Neodymium	150-1	223	267	233	241	9.41	cps
Neodymium	150-2	93	110	103	102	8.21	cps
Nickel	60-2	417282	420699	417046	418342	0.49	cps
Phosphorus	31-2	62678	62477	63578	62911	0.93	cps
Potassium	39-2	28584040	28020891	28636842	28413924	1.20	cps
Rhodium	103-1	6903115	7028316	7216486	7049306	2.24	cps
Rhodium	103-2	3978417	4057474	4006787	4014226	1.00	cps
Scandium	45-1	5120393	5172091	5249042	5180509	1.25	cps
Scandium	45-2	343515	336609	343810	341311	1.19	cps
Selenium	82-1	50817	51206	50684	50902	0.53	cps
Selenium	77-2	4001	4277	4314	4197	4.08	cps
Selenium	78-2	14000	14377	14100	14159	1.38	cps
Silicon	28-1	34210099	34425543	34647949	34427864	0.64	cps
Silver	107-1	3790759	3806808	3790870	3796146	0.24	cps
Silver	109-1	3615427	3576656	3678352	3623478	1.42	cps
Sodium	23-2	77947744	77594001	78422911	77988218	0.53	cps
Strontium	86-1	24968060	25459216	25751017	25392765	1.56	cps
Strontium	88-1	215542650	221813803	222762717	220039723	1.78	cps
Sulfur	34-1	482203	482787	486810	483933	0.52	cps
Terbium	159-1	9622799	9732645	9629014	9661486	0.64	cps
Terbium	159-2	6503264	6504935	6401398	6469866	0.92	cps
Thallium	203-1	2542288	2553335	2595045	2563556	1.09	cps
Thallium	205-1	6021817	6047361	6130239	6066472	0.93	cps
Tin	118-1	2479804	2531037	2566918	2525919	1.73	cps
Titanium	47-1	4947267	5000596	4995977	4981280	0.59	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCV11	Instrumnet Name :	P7
Client Sample ID :	CCV11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:17:53	DataFile Name :	143CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7748708	7822761	8114514	7895328	2.45	cps
Vanadium	51-2	996374	977172	1000025	991190	1.24	cps
Yttrium	89-1	10758521	10723700	10918623	10800281	0.96	cps
Yttrium	89-2	2403420	2459157	2437377	2433318	1.15	cps
Zinc	66-2	1973385	2027535	2014660	2005193	1.41	cps
Zirconium	90-1	5665156	5840458	5863231	5789615	1.87	cps
Zirconium	91-1	1246003	1275001	1274173	1265059	1.30	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB11	Instrumnet Name :	P7
Client Sample ID :	CCB11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:30:17	DataFile Name :	144CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	407	447	440	431	4.97	cps
Antimony	121-1	673	817	940	810	16.48	cps
Arsenic	75-2	13	0	13	9	86.60	cps
Barium	135-1	137	150	163	150	8.89	cps
Barium	137-1	243	300	370	304	20.84	cps
Beryllium	9-1	97	130	90	106	20.30	cps
Bismuth	209-1	5467729	5508395	5150470	5375531	3.65	cps
Bismuth	209-2	4855148	4807176	4784866	4815730	0.75	cps
Bromine	81-1	7715	7265	7349	7443	3.22	cps
Bromine	81-2	63	77	93	78	19.33	cps
Cadmium	108-1	13	17	7	12	41.65	cps
Cadmium	106-1	2137	2150	1650	1979	14.40	cps
Cadmium	111-1	1540	1513	1207	1420	13.02	cps
Calcium	43-1	467	430	403	433	7.34	cps
Calcium	44-1	12482	12773	11725	12327	4.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	440	590	497	509	14.88	cps
Cobalt	59-2	140	140	187	156	17.32	cps
Copper	63-2	1263	1237	1157	1219	4.55	cps
Dysprosium	156-1	13	33	30	26	41.94	cps
Dysprosium	156-2	13	10	10	11	17.30	cps
Erbium	164-1	63	80	67	70	12.60	cps
Erbium	164-2	50	37	40	42	16.43	cps
Gadolinium	160-1	43	13	40	32	51.04	cps
Gadolinium	160-2	290	317	277	294	6.92	cps
Holmium	165-1	9462168	9485558	8722238	9223321	4.71	cps
Holmium	165-2	6618826	6568328	6706401	6631185	1.05	cps
Indium	115-1	8142685	8313631	7581149	8012488	4.78	cps
Indium	115-2	2637362	2663009	2582688	2627686	1.56	cps
Iron	56-2	21781	18558	19840	20060	8.09	cps
Iron	57-2	1387	1403	1463	1418	2.84	cps
Iron	54-2	1713	1733	1853	1767	4.29	cps
Krypton	83-1	163	217	200	193	14.11	cps

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB11	Instrumnet Name :	P7
Client Sample ID :	CCB11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:30:17	DataFile Name :	144CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	573	567	633	591	6.21	cps
Lead	207-1	527	473	487	496	5.60	cps
Lead	208-1	2427	2263	2260	2317	4.11	cps
Lithium	6-1	1630414	1700462	1514220	1615032	5.82	cps
Magnesium	24-2	2220	2160	2317	2232	3.54	cps
Manganese	55-2	557	753	780	697	17.51	cps
Molybdenum	94-1	593	677	703	658	8.72	cps
Molybdenum	95-1	723	707	657	696	4.99	cps
Molybdenum	96-1	793	783	707	761	6.23	cps
Molybdenum	97-1	430	403	457	430	6.20	cps
Molybdenum	98-1	1077	1093	1067	1079	1.25	cps
Neodymium	150-1	7	10	13	10	33.30	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	183	170	133	162	15.96	cps
Phosphorus	31-2	73	113	97	94	21.27	cps
Potassium	39-2	44154	44672	44007	44278	0.79	cps
Rhodium	103-1	7704255	7867371	7243085	7604904	4.26	cps
Rhodium	103-2	4529873	4460062	4491643	4493859	0.78	cps
Scandium	45-1	5212297	5346523	4944503	5167774	3.96	cps
Scandium	45-2	359260	357599	356692	357851	0.36	cps
Selenium	82-1	331	273	262	289	12.75	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	197	270	230	232	15.81	cps
Silicon	28-1	289898	291028	289677	290201	0.25	cps
Silver	107-1	350	243	187	260	31.90	cps
Silver	109-1	230	207	190	209	9.62	cps
Sodium	23-2	17377	17316	17443	17379	0.36	cps
Strontium	86-1	1167	1033	1143	1115	6.39	cps
Strontium	88-1	6862	6768	6938	6856	1.24	cps
Sulfur	34-1	197644	197469	199808	198307	0.66	cps
Terbium	159-1	9984388	9811489	8876470	9557449	6.24	cps
Terbium	159-2	6623774	6635717	6646457	6635316	0.17	cps
Thallium	203-1	143	87	110	113	25.13	cps
Thallium	205-1	330	323	243	299	16.14	cps
Tin	118-1	1057	1007	1133	1066	5.99	cps
Titanium	47-1	293	240	300	278	11.84	cps

Reviewed By:mohan
On:8/26/2024 3:35:59 PM
Inst Id :P7
LB :LB132155

LB Number :	LB132155	Operator :	Jaswal
Lab Sample ID :	CCB11	Instrumnet Name :	P7
Client Sample ID :	CCB11	Dilution Factor :	1
Date & Time Acquired ::	2024-08-26 01:30:17	DataFile Name :	144CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	230	217	240	229	5.12	cps
Vanadium	51-2	33	50	63	49	30.75	cps
Yttrium	89-1	10975256	10871918	10050753	10632642	4.76	cps
Yttrium	89-2	2543422	2544563	2537325	2541770	0.15	cps
Zinc	66-2	850	730	820	800	7.81	cps
Zirconium	90-1	677	737	853	756	11.89	cps
Zirconium	91-1	133	117	173	141	20.64	cps

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB162680

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M4909

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 08/12/2024 **Time :** 16:13 **Temp :** 94 °C

End Digest Date: 08/12/2024 **Time :** 18:13 **Temp :** 95 °C

Digestion tube ID: M5586

Block thermometer ID: HG-DIG#3

Dig Technician Signature: pB

Supervisor Signature: JL

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP81786
CCV	30mL	MP81788
CRA	30mL	MP81790
Blank Spike	0.48mL	MP81779
Matrix Spike	0.48mL	MP81779

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP81818
KMnO4	4.5mL	MP81819
K2S2O8	2.5mL	MP81820
Hydroxylamine HCL	2.0mL	MP81821
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	MP81780
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP81781
2.5 ppb	S2.5	30mL	MP81782
5.0 ppb	S5.0	30mL	MP81783
7.5 ppb	S7.5	30mL	MP81784
10.0 ppb	S10.0	30mL	MP81785
ICV	ICV	30mL	MP81786
ICB	ICB	30mL	MP81787
CCV	CCV	30mL	MP81788
CCB	CCB	30mL	MP81789
CRI	CRI	30mL	MP81790
CHK STD	CHK STD	30mL	MP81791

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/13/24 @ 9:40	pB Dig. Lab	PRO - Metals Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB162680

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
P3426-01	927-K1-WS-073124	30	30	<2	N/A	3-20
P3426-02	927-K1-WS-073124-FD	30	30	<2	N/A	21
P3429-01	926-K1-WS-073124	30	30	<2	N/A	22
P3429-02	931-K1-WS-073124	30	30	<2	N/A	23
P3429-03	925-K1-WS-073124	30	30	<2	N/A	24
P3440-01	923-K1-WS-080124	30	30	<2	N/A	25
P3440-01DUP	923-K1-WS-080124DUP	30	30	<2	N/A	26
P3440-02	P3440-01MS	30	30	<2	MP81779	27
P3440-03	P3440-01MSD	30	30	<2	MP81779	28
P3440-04	922-K1-WS-080124	30	30	<2	N/A	29
P3451-01	921-J-WS-080124	30	30	<2	N/A	30
P3457-01	924-K1-WS-080224	30	30	<2	N/A	31
P3457-02	932-K1-WS-080224	30	30	<2	N/A	32
P3467-01	919-J-WS-080224	30	30	<2	N/A	33
P3497-02	COMP	30	30	<2	N/A	34
P3532-01	806-C	30	30	<2	N/A	35
P3545-01	BUR-1295	30	30	<2	N/A	36
PB162680BL	PBW680	30	30	<2	N/A	37
PB162680BS	LCS680	30	30	<2	MP81779	38

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 081224_7470 **WorkList ID :** 182542 **Department :** Digestion **Date :** 08-12-2024 07:28:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3497-02	COMP	Water	Mercury	1:1 HNO3 to pH < 2	ARAM01	K11	08/07/2024	7470A
P3426-01	927-K1-WS-073124	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	E21	07/31/2024	7470A
P3426-02	927-K1-WS-073124-FD	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	E21	07/31/2024	7470A
P3429-01	926-K1-WS-073124	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	07/31/2024	7470A
P3429-02	931-K1-WS-073124	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	07/31/2024	7470A
P3429-03	925-K1-WS-073124	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	07/31/2024	7470A
P3440-01	923-K1-WS-080124	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	07/31/2024	7470A
P3467-01	919-J-WS-080224	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	7470A
P3440-02	P3440-01MS	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D21	08/02/2024	7470A
P3440-03	P3440-01MSD	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	7470A
P3440-04	922-K1-WS-080124	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	7470A
P3451-01	921-J-WS-080124	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	7470A
P3457-01	924-K1-WS-080224	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	7470A
P3457-02	932-K1-WS-080224	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J21	08/02/2024	7470A
P3532-01	806-C	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J21	08/02/2024	7470A
P3545-01	BUR-1295	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D21	08/08/2024	7470A
					PSEG03	D21	08/09/2024	7470A

Date/Time 8/12/24 @ 15:40

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 8/12/24 @ 16:20

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB162950

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 : M4909

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 08/23/2024 **Time :** 15:00 **Temp :** 95 °C

End Digest Date: 08/23/2024 **Time :** 17:00 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP81889
Spike Sol 2	1.00	MP81890
Spike Sol 3	1.00	MP81891
Spike Sol 4	1.00	MP81892
Spike Sol 5	0.50	MP81946

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6036
1:1 HCL	5.00	M79051
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:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/23/24 17:20	[illegible] MET-DIG	[illegible] (Metals lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB162950

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P3426-01	927-K1-WS-073124	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	1
P3426-02	927-K1-WS-073124-FD	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	2
P3429-01	926-K1-WS-073124	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	3
P3429-02	931-K1-WS-073124	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	4
P3429-03	925-K1-WS-073124	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	5
P3440-01	923-K1-WS-080124	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	6
P3440-01DUP	923-K1-WS-080124DUP	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	21
P3440-02	P3440-01MS	<2	50	50	Colorless	Colorless	Clear	N/A	MP81889,MP81890,MP81891,M	7
P3440-03	P3440-01MSD	<2	50	50	Colorless	Colorless	Clear	N/A	MP81889,MP81890,MP81891,M	8
P3440-04	922-K1-WS-080124	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	9
P3451-01	921-J-WS-080124	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	13
P3457-01	924-K1-WS-080224	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	14
P3457-02	932-K1-WS-080224	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	15
P3467-01	919-J-WS-080224	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	16
P3609-01	915-J-WS-081424	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	17
P3609-02	920-J-WS-081424	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	18
PB162950BL	PBW950	<2	50	50	Colorless	Colorless	Clear	N/A	N/A	19
PB162950BS	LCS950	<2	50	50	Colorless	Colorless	Clear	N/A	MP81889,MP81890,MP81891,M	20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB162950 **WorkList ID :** 182929 **Department :** Digestion **Date :** 08-23-2024 14:26:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3426-01	927-K1-WS-073124	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	E21	07/31/2024	6020B
P3426-02	927-K1-WS-073124-FD	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	E21	07/31/2024	6020B
P3429-01	926-K1-WS-073124	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	07/31/2024	6020B
P3429-02	931-K1-WS-073124	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	07/31/2024	6020B
P3429-03	925-K1-WS-073124	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	07/31/2024	6020B
P3440-01	923-K1-WS-080124	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	6020B
P3440-02	P3440-01MS	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	6020B
P3440-03	P3440-01MSD	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	6020B
P3440-04	922-K1-WS-080124	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	6020B
P3451-01	921-J-WS-080124	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D31	08/01/2024	6020B
P3457-01	924-K1-WS-080224	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	J21	08/02/2024	6020B
P3457-02	932-K1-WS-080224	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	J21	08/02/2024	6020B
P3467-01	919-J-WS-080224	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D21	08/02/2024	6020B
P3609-01	915-J-WS-081424	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D21	08/14/2024	6020B
P3609-02	920-J-WS-081424	Water	Metals Group4	1:1 HNO3 to pH < 2	JACO05	D21	08/14/2024	6020B

Date/Time 08/23/24 14:35

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 08/23/24 17:30

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP
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 # LB131960

Review By	jaswal	Review On	8/13/2024 10:45:46 PM
Supervise By	mohan	Supervise On	8/13/2024 10:47:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP81780,MP81781,MP81782,MP81783,MP81784,MP81785
ICV Standard	MP81786
CCV Standard	MP81788
ICSA Standard	
CRI Standard	MP81790
LCS Standard	
Chk Standard	MP81787,MP81789,MP81791,MP81804

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/13/24 08:36		mohan	OK
2	S0.2	S0.2	CAL2	08/13/24 08:39		mohan	OK
3	S2.5	S2.5	CAL3	08/13/24 08:41		mohan	OK
4	S5	S5	CAL4	08/13/24 08:43		mohan	OK
5	S7.5	S7.5	CAL5	08/13/24 08:45		mohan	OK
6	S10	S10	CAL6	08/13/24 08:50		mohan	OK
7	ICV72	ICV72	ICV	08/13/24 08:53		mohan	OK
8	ICB72	ICB72	ICB	08/13/24 08:55		mohan	OK
9	CCV35	CCV35	CCV	08/13/24 08:58		mohan	OK
10	CCB35	CCB35	CCB	08/13/24 09:03		mohan	OK
11	CRA	CRA	CRDL	08/13/24 09:10		mohan	OK
12	HighStd	HighStd	HIGH STD	08/13/24 09:12		mohan	OK
13	ChkStd	ChkStd	SAM	08/13/24 09:14		mohan	OK
14	PB162665BL	PB162665BL	MB	08/13/24 09:17		mohan	OK
15	PB162665BS	PB162665BS	LCS	08/13/24 09:19		mohan	OK
16	P3526-02	SP-1-COMP	SAM	08/13/24 09:21		mohan	OK
17	P3534-01	PIPE-BLAST-GRIT	SAM	08/13/24 09:24		mohan	OK
18	P3534-03	HP-IP	SAM	08/13/24 09:26		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 # LB131960

Review By	jaswal	Review On	8/13/2024 10:45:46 PM
Supervise By	mohan	Supervise On	8/13/2024 10:47:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP81780,MP81781,MP81782,MP81783,MP81784,MP81785
ICV Standard	MP81786
CCV Standard	MP81788
ICSA Standard	
CRI Standard	MP81790
LCS Standard	
Chk Standard	MP81787,MP81789,MP81791,MP81804

19	P3534-03DUP	HP-IPDUP	DUP	08/13/24 09:28		mohan	OK
20	P3534-03MS	HP-IPMS	MS	08/13/24 09:30		mohan	OK
21	CCV36	CCV36	CCV	08/13/24 09:33		mohan	OK
22	CCB36	CCB36	CCB	08/13/24 09:35		mohan	OK
23	P3534-03MSD	HP-IPMSD	MSD	08/13/24 09:37		mohan	OK
24	PB162681BL	PB162681BL	MB	08/13/24 09:39		mohan	OK
25	PB162681BS	PB162681BS	LCS	08/13/24 09:42		mohan	OK
26	P3530-02	WC-A-04-202408	SAM	08/13/24 09:44		mohan	OK
27	P3530-02DUP	WC-A-04-202408DUP	DUP	08/13/24 09:46		mohan	OK
28	P3530-02MS	WC-A-04-202408MS	MS	08/13/24 09:49		mohan	OK
29	P3530-02MSD	WC-A-04-202408MSD	MSD	08/13/24 09:51		mohan	OK
30	P3530-03	WC-A-05-202408	SAM	08/13/24 09:53		mohan	OK
31	P3534-05	PIPE-BLAST-GRIT(FB	SAM	08/13/24 09:55		mohan	OK
32	P3534-06	HP-IP(FB)	SAM	08/13/24 09:58		mohan	OK
33	CCV37	CCV37	CCV	08/13/24 10:00		mohan	OK
34	CCB37	CCB37	CCB	08/13/24 10:05		mohan	OK
35	PB162680BL	PB162680BL	MB	08/13/24 10:07		mohan	OK
36	PB162680BS	PB162680BS	LCS	08/13/24 10:09		mohan	OK
37	P3426-01	927-K1-WS-073124	SAM	08/13/24 10:12		mohan	OK
38	P3426-02	927-K1-WS-073124-F	SAM	08/13/24 10:14		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 # LB131960

Review By	jaswal	Review On	8/13/2024 10:45:46 PM
Supervise By	mohan	Supervise On	8/13/2024 10:47:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP81780,MP81781,MP81782,MP81783,MP81784,MP81785
ICV Standard	MP81786
CCV Standard	MP81788
ICSA Standard	
CRI Standard	MP81790
LCS Standard	
Chk Standard	MP81787,MP81789,MP81791,MP81804

39	P3429-01	926-K1-WS-073124	SAM	08/13/24 10:16		mohan	OK
40	P3429-02	931-K1-WS-073124	SAM	08/13/24 10:19		mohan	OK
41	P3429-03	925-K1-WS-073124	SAM	08/13/24 10:21		mohan	OK
42	P3440-01	923-K1-WS-080124	SAM	08/13/24 10:23		mohan	OK
43	P3440-01DUP	923-K1-WS-080124DU	DUP	08/13/24 10:25		mohan	OK
44	P3440-02	923-K1-WS-080124M	MS	08/13/24 10:28		mohan	OK
45	CCV38	CCV38	CCV	08/13/24 10:30		mohan	OK
46	CCB38	CCB38	CCB	08/13/24 10:35		mohan	OK
47	P3440-03	923-K1-WS-080124M	MSD	08/13/24 10:37		mohan	OK
48	P3440-04	922-K1-WS-080124	SAM	08/13/24 10:39		mohan	OK
49	P3451-01	921-J-WS-080124	SAM	08/13/24 10:42		mohan	OK
50	P3457-01	924-K1-WS-080224	SAM	08/13/24 10:44		mohan	OK
51	P3457-02	932-K1-WS-080224	SAM	08/13/24 10:46		mohan	OK
52	P3467-01	919-J-WS-080224	SAM	08/13/24 10:49		mohan	OK
53	P3497-02	COMP	SAM	08/13/24 10:51		mohan	OK
54	P3532-01	806-C	SAM	08/13/24 10:53		mohan	OK
55	P3545-01	BUR-1295	SAM	08/13/24 10:55		mohan	OK
56	CCV39	CCV39	CCV	08/13/24 10:58		mohan	OK
57	CCB39	CCB39	CCB	08/13/24 11:04		mohan	OK
58	PB162588TB	PB162588TB	MB	08/13/24 11:06		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 # LB131960

Review By	jaswal	Review On	8/13/2024 10:45:46 PM
Supervise By	mohan	Supervise On	8/13/2024 10:47:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP81780,MP81781,MP81782,MP81783,MP81784,MP81785
ICV Standard	MP81786
CCV Standard	MP81788
ICSA Standard	
CRI Standard	MP81790
LCS Standard	
Chk Standard	MP81787,MP81789,MP81791,MP81804

59	PB162590TB	PB162590TB	MB	08/13/24 11:08		mohan	OK
60	P3534-03L	HP-IPL	SD	08/13/24 11:10		mohan	OK
61	P3534-03A	HP-IPA	PS	08/13/24 11:13		mohan	OK
62	P3530-02L	WC-A-04-202408L	SD	08/13/24 11:15		mohan	OK
63	P3530-02A	WC-A-04-202408A	PS	08/13/24 11:17		mohan	OK
64	P3440-01L	923-K1-WS-080124L	SD	08/13/24 11:19		mohan	OK
65	P3440-01A	923-K1-WS-080124A	PS	08/13/24 11:22		mohan	OK
66	CCV40	CCV40	CCV	08/13/24 11:24		mohan	OK
67	CCB40	CCB40	CCB	08/13/24 11:26		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 # LB132155

Review By	Jaswal	Review On	8/26/2024 3:22:52 PM
Supervise By	mohan	Supervise On	8/26/2024 3:35:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796
ICV Standard	MP82109
CCV Standard	MP81807
ICSA Standard	MP81808,MP81809
CRI Standard	MP81803
LCS Standard	
Chk Standard	MP81816,MP81814

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/25/24 13:10		Jaswal	OK
2	S0	S0	CAL1	08/25/24 14:38		Jaswal	OK
3	S2	S2	CAL3	08/25/24 14:42		Jaswal	OK
4	S3	S3	CAL4	08/25/24 14:45		Jaswal	OK
5	S4	S4	CAL5	08/25/24 14:48		Jaswal	OK
6	S5	S5	CAL6	08/25/24 14:51		Jaswal	OK
7	S6	S6	CAL7	08/25/24 14:54		Jaswal	OK
8	S7	S7	CAL8	08/25/24 14:57		Jaswal	OK
9	S8	S8	CAL9	08/25/24 14:59		Jaswal	OK
10	ICV01	ICV01	ICV	08/25/24 16:38		Jaswal	OK
11	LLICV	LLICV	LLICV	08/25/24 17:02		Jaswal	OK
12	ICB01	ICB01	ICB	08/25/24 17:05		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/25/24 17:08		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/25/24 17:11		Jaswal	OK
15	CCV01	CCV01	CCV	08/25/24 17:14		Jaswal	OK
16	CCB01	CCB01	CCB	08/25/24 17:23		Jaswal	OK
17	CRI	CRI	CRDL	08/25/24 17:26		Jaswal	OK
18	PB162950BL	PB162950BL	MB	08/25/24 17:31		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 # LB132155

Review By	Jaswal	Review On	8/26/2024 3:22:52 PM
Supervise By	mohan	Supervise On	8/26/2024 3:35:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796
ICV Standard	MP82109
CCV Standard	MP81807
ICSA Standard	MP81808,MP81809
CRI Standard	MP81803
LCS Standard	
Chk Standard	MP81816,MP81814

19	PB162950BS	PB162950BS	LCS	08/25/24 17:34		Jaswal	OK
20	P3426-01	927-K1-WS-073124	SAM	08/25/24 17:41		Jaswal	OK
21	P3426-02	927-K1-WS-073124-F	SAM	08/25/24 17:44		Jaswal	OK
22	P3429-01	926-K1-WS-073124	SAM	08/25/24 17:47		Jaswal	OK
23	P3429-02	931-K1-WS-073124	SAM	08/25/24 17:50		Jaswal	OK
24	P3429-03	925-K1-WS-073124	SAM	08/25/24 17:53		Jaswal	OK
25	P3451-01	921-J-WS-080124	SAM	08/25/24 17:57		Jaswal	OK
26	P3467-01	919-J-WS-080224	SAM	08/25/24 18:00		Jaswal	OK
27	CCV02	CCV02	CCV	08/25/24 18:03		Jaswal	OK
28	CCB02	CCB02	CCB	08/25/24 18:09		Jaswal	OK
29	P3440-01	923-K1-WS-080124	SAM	08/25/24 18:13		Jaswal	OK
30	P3440-01DUP	923-K1-WS-080124D	DUP	08/25/24 18:16		Jaswal	OK
31	P3440-01L	923-K1-WS-080124L	SD	08/25/24 18:19		Jaswal	OK
32	P3440-04	922-K1-WS-080124	SAM	08/25/24 18:22		Jaswal	OK
33	P3440-02	923-K1-WS-080124M	MS	08/25/24 18:25	MS fail for Ag	Jaswal	OK
34	P3440-03	923-K1-WS-080124M	MSD	08/25/24 18:28		Jaswal	OK
35	P3440-01A	923-K1-WS-080124A	PS	08/25/24 18:31	Not use	Jaswal	Not Ok
36	P3457-01	924-K1-WS-080224	SAM	08/25/24 18:34		Jaswal	OK
37	P3457-02	932-K1-WS-080224	SAM	08/25/24 18:37		Jaswal	OK
38	P3609-01	915-J-WS-081424	SAM	08/25/24 18:40		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 # LB132155

Review By	Jaswal	Review On	8/26/2024 3:22:52 PM
Supervise By	mohan	Supervise On	8/26/2024 3:35:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796
ICV Standard	MP82109
CCV Standard	MP81807
ICSA Standard	MP81808,MP81809
CRI Standard	MP81803
LCS Standard	
Chk Standard	MP81816,MP81814

39	CCV03	CCV03	CCV	08/25/24 18:43		Jaswal	OK
40	CCB03	CCB03	CCB	08/25/24 18:49		Jaswal	OK
41	P3609-02	920-J-WS-081424	SAM	08/25/24 18:55		Jaswal	OK
42	PB162951BL	PB162951BL	MB	08/25/24 18:58		Jaswal	OK
43	PB162951BS	PB162951BS	LCS	08/25/24 19:02		Jaswal	OK
44	P3580-01	926-K1-SD-0-0.5-0811	SAM	08/25/24 19:05	Int std 89y(1) fail	Jaswal	Dilution
45	P3580-01DL	926-K1-SD-0-0.5-0811	SAM	08/25/24 19:08	5X for Int std 89y(1)	Jaswal	Confirms
46	P3580-02	926-K1-SD-0.5-1-0811	SAM	08/25/24 19:11		Jaswal	OK
47	P3580-02DL	926-K1-SD-0.5-1-0811	SAM	08/25/24 19:14	Not used	Jaswal	Not Ok
48	P3580-03	925-K1-SD-0-0.5-0811	SAM	08/25/24 19:17	Int std 89y(1) fail	Jaswal	Dilution
49	P3580-03DL	925-K1-SD-0-0.5-0811	SAM	08/25/24 19:21	5X for Int std 89y(1)	Jaswal	Confirms
50	P3580-04DL	925-K1-SD-0.5-1-0811	SAM	08/25/24 19:24	Not used	Jaswal	Not Ok
51	CCV04	CCV04	CCV	08/25/24 19:27		Jaswal	OK
52	CCB04	CCB04	CCB	08/25/24 19:33		Jaswal	OK
53	P3580-04	925-K1-SD-0.5-1-0811	SAM	08/25/24 19:37		Jaswal	OK
54	P3580-05	923-K1-SD-0-0.5-0811	SAM	08/25/24 19:40	Int std 89y(1&2) fail	Jaswal	Dilution
55	P3580-05DL	923-K1-SD-0-0.5-0811	SAM	08/25/24 19:48	5X for Int std 89y(1&2)	Jaswal	Confirms
56	P3580-06	923-K1-SD-0.5-1-0811	SAM	08/25/24 19:51	Int std 89y(1&2) fail	Jaswal	Dilution
57	P3580-06DL	923-K1-SD-0.5-1-0811	SAM	08/25/24 19:54	5X for Int std 89y(1&2)	Jaswal	Confirms
58	P3580-07	922-K1-SD-0-0.5-0811	SAM	08/25/24 19:58	Int std 89y(1&2) fail	Jaswal	Dilution

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

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB132155

Review By	Jaswal	Review On	8/26/2024 3:22:52 PM
Supervise By	mohan	Supervise On	8/26/2024 3:35:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796
ICV Standard	MP82109
CCV Standard	MP81807
ICSA Standard	MP81808,MP81809
CRI Standard	MP81803
LCS Standard	
Chk Standard	MP81816,MP81814

59	P3580-07DL	922-K1-SD-0-0.5-0811	SAM	08/25/24 20:01	5X for Int std 89y(1&2)	Jaswal	Confirms
60	P3580-08	922-K1-SD-0.5-1-0811	SAM	08/25/24 20:04	Int std 89y(1&2) fail	Jaswal	Dilution
61	P3580-08DL	922-K1-SD-0.5-1-0811	SAM	08/25/24 20:07	5X for Int std 89y(1&2)	Jaswal	Confirms
62	P3580-08DUPDL	922-K1-SD-0.5-1-0811	DUP	08/25/24 20:11	5X for Int std 89y(1&2)	Jaswal	Confirms
63	CCV05	CCV05	CCV	08/25/24 20:14		Jaswal	OK
64	CCB05	CCB05	CCB	08/25/24 20:29		Jaswal	OK
65	P3580-08DUP	922-K1-SD-0.5-1-0811	DUP	08/25/24 20:32	Int std 89y(1&2) fail	Jaswal	Dilution
66	P3580-08L	922-K1-SD-0.5-1-0811	SD	08/25/24 20:35	Int std 89y(1&2) fail	Jaswal	Dilution
67	P3580-08LDL	922-K1-SD-0.5-1-0811	SD	08/25/24 20:39	25X for Int std 89y(1&2)	Jaswal	Confirms
68	P3580-08MS	922-K1-SD-0.5-1-0811	MS	08/25/24 20:42	Int std 89y(1&2) fail	Jaswal	Dilution
69	P3580-08MSDL	922-K1-SD-0.5-1-0811	MS	08/25/24 20:45	5X for Int std 89y(1&2)	Jaswal	Confirms
70	P3580-08MSD	922-K1-SD-0.5-1-0811	MSD	08/25/24 20:48	Int std 89y(1&2) fail	Jaswal	Dilution
71	P3580-08MSDDL	922-K1-SD-0.5-1-0811	MSD	08/25/24 20:51	5X for Int std 89y(1&2)	Jaswal	Confirms
72	P3580-08A	922-K1-SD-0.5-1-0811	PS	08/25/24 20:54	Int std 89y(1&2) fail,PS for Al,Mo,Ag	Jaswal	Dilution
73	P3580-08ADL	922-K1-SD-0.5-1-0811	PS	08/25/24 20:56	PS for Mo	Jaswal	Confirms
74	P3440-02RE	923-K1-WS-080124M	MS	08/25/24 20:59	Not used	Jaswal	Not Ok
75	CCV06	CCV06	CCV	08/25/24 21:02		Jaswal	OK
76	CCB06	CCB06	CCB	08/25/24 21:14		Jaswal	OK
77	P3440-03RE	923-K1-WS-080124M	MSD	08/25/24 21:17	Not used	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 # LB132155

Review By	Jaswal	Review On	8/26/2024 3:22:52 PM
Supervise By	mohan	Supervise On	8/26/2024 3:35:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796
ICV Standard	MP82109
CCV Standard	MP81807
ICSA Standard	MP81808,MP81809
CRI Standard	MP81803
LCS Standard	
Chk Standard	MP81816,MP81814

78	P3440-01ARE	923-K1-WS-080124AI	PS	08/25/24 21:20	Not used	Jaswal	Not Ok
79	PB162888BL	PB162888BL	MB	08/25/24 21:22		Jaswal	OK
80	PB162888BS	PB162888BS	LCS	08/25/24 21:26		Jaswal	OK
81	P3671-01	S-904-J-SO-0-0.5-081	SAM	08/25/24 21:29		Jaswal	OK
82	P3671-01DL	S-904-J-SO-0-0.5-081	SAM	08/25/24 21:32	Not used	Jaswal	Not Ok
83	P3671-02	S-904-J-SO-0.5-1.0-0	SAM	08/25/24 21:35	Int std 89y(1&2) fail,Al high	Jaswal	Dilution
84	P3671-02DL	S-904-J-SO-0.5-1.0-0	SAM	08/25/24 21:38	5X for Int std 89y(1&2) & Al	Jaswal	Confirms
85	P3671-03	S-911-K1-SO-0-0.5-08	SAM	08/25/24 21:41		Jaswal	OK
86	P3671-03DL	S-911-K1-SO-0-0.5-08	SAM	08/25/24 21:44	Not used	Jaswal	Not Ok
87	CCV07	CCV07	CCV	08/25/24 21:47		Jaswal	OK
88	CCB07	CCB07	CCB	08/25/24 21:55		Jaswal	OK
89	P3671-04	S-911-K1-SO-0.5-1-08	SAM	08/25/24 22:00	Int std 89y(1&2) fail & Mn high	Jaswal	Dilution
90	P3671-04DL	S-911-K1-SO-0.5-1-08	SAM	08/25/24 22:03	5X for Int std 89y(1&2) & Mn	Jaswal	Confirms
91	P3671-05	S-911-K1-SO-0-0.5-08	SAM	08/25/24 22:06	Int std 89y(1) fail	Jaswal	Dilution
92	P3671-05DL	S-911-K1-SO-0-0.5-08	SAM	08/25/24 22:09	5X for Int std 89y(1)	Jaswal	Confirms
93	P3671-06	S-905-KJ-SO-0-0.5-08	SAM	08/25/24 22:12		Jaswal	OK
94	P3671-06DL	S-905-KJ-SO-0-0.5-08	SAM	08/25/24 22:16	Not used	Jaswal	Not Ok
95	P3671-07	S-905-KJ-SO-0-0.5-08	SAM	08/25/24 22:19	Int std 89y(1&2) fail & Al high	Jaswal	Dilution
96	P3671-07DL	S-905-KJ-SO-0-0.5-08	SAM	08/25/24 22:22	5X for Int std 89y(1&2) & Al	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 # LB132155

Review By	Jaswal	Review On	8/26/2024 3:22:52 PM
Supervise By	mohan	Supervise On	8/26/2024 3:35:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796
ICV Standard	MP82109
CCV Standard	MP81807
ICSA Standard	MP81808,MP81809
CRI Standard	MP81803
LCS Standard	
Chk Standard	MP81816,MP81814

97	P3671-08	S-905-J-SO-0.5-1.0-0	SAM	08/25/24 22:25	Int std 89y(1&2) fail & Al high	Jaswal	Dilution
98	P3671-08DL	S-905-J-SO-0.5-1.0-0	SAM	08/25/24 22:28	5X for Int std 89y(1&2) & Al	Jaswal	Confirms
99	CCV08	CCV08	CCV	08/25/24 22:31		Jaswal	OK
100	CCB08	CCB08	CCB	08/25/24 22:50		Jaswal	OK
101	P3671-09	S-928-K1-SO-0-0.5-08	SAM	08/25/24 22:54	Int std 89y(1&2) fail & Mn high	Jaswal	Dilution
102	P3671-09DL	S-928-K1-SO-0-0.5-08	SAM	08/25/24 22:57	5X for Int std 89y(1&2) & Mn	Jaswal	Confirms
103	P3671-10	S-928-K1-SO-0.5-1-08	SAM	08/25/24 23:00	Int std 89y(1&2) fail & Mn high	Jaswal	Dilution
104	P3671-10DL	S-928-K1-SO-0.5-1-08	SAM	08/25/24 23:03	5X for Int std 89y(1&2) & Mn	Jaswal	Confirms
105	P3671-11	S-903-J-SO-0-0.5-081	SAM	08/25/24 23:06	Al high	Jaswal	Dilution
106	P3671-11DL	S-903-J-SO-0-0.5-081	SAM	08/25/24 23:09	5X for Al	Jaswal	Confirms
107	P3671-12	S-903-J-SO-0.5-1.0-0	SAM	08/25/24 23:12	Al, Fe high	Jaswal	Dilution
108	P3671-12DL	S-903-J-SO-0.5-1.0-0	SAM	08/25/24 23:15	5X for Al, Fe	Jaswal	Confirms
109	P3671-13	S-912-J-SO-0-0.5-081	SAM	08/25/24 23:19		Jaswal	OK
110	P3671-13DL	S-912-J-SO-0-0.5-081	SAM	08/25/24 23:22	Not used	Jaswal	Not Ok
111	CCV09	CCV09	CCV	08/25/24 23:34		Jaswal	OK
112	CCB09	CCB09	CCB	08/25/24 23:43		Jaswal	OK
113	P3671-14	S-912-J-SO-0.5-1-081	SAM	08/25/24 23:46		Jaswal	OK
114	P3671-14DL	S-912-J-SO-0.5-1-081	SAM	08/25/24 23:50	Not used	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 # LB132155

Review By	Jaswal	Review On	8/26/2024 3:22:52 PM
Supervise By	mohan	Supervise On	8/26/2024 3:35:59 PM

STD. NAME	STD REF.#
ICAL Standard	MP81795,MP81805,MPMP81803,MP81801,MP81800,MP81799,MP81798,MP81797,MP81796
ICV Standard	MP82109
CCV Standard	MP81807
ICSA Standard	MP81808,MP81809
CRI Standard	MP81803
LCS Standard	
Chk Standard	MP81816,MP81814

115	P3671-14DUP	S-912-J-SO-0.5-1-081	DUP	08/25/24 23:53		Jaswal	OK
116	P3671-14DUPDL	S-912-J-SO-0.5-1-081	DUP	08/25/24 23:56	Not used	Jaswal	Not Ok
117	P3671-14L	S-912-J-SO-0.5-1-081	SD	08/25/24 23:59		Jaswal	OK
118	P3671-14LDL	S-912-J-SO-0.5-1-081	SD	08/26/24 00:03	Not used	Jaswal	Not Ok
119	P3671-14MS	S-912-J-SO-0.5-1-081	MS	08/26/24 00:06	MS fail for Al,Mo,Ag	Jaswal	OK
120	P3671-14MSDL	S-912-J-SO-0.5-1-081	MS	08/26/24 00:09	Not used	Jaswal	Not Ok
121	P3671-14MSD	S-912-J-SO-0.5-1-081	MSD	08/26/24 00:12		Jaswal	OK
122	P3671-14MSDDL	S-912-J-SO-0.5-1-081	MSD	08/26/24 00:14	Not used	Jaswal	Not Ok
123	CCV10	CCV10	CCV	08/26/24 00:42		Jaswal	OK
124	CCB10	CCB10	CCB	08/26/24 00:52		Jaswal	OK
125	P3671-14A	S-912-J-SO-0.5-1-081	PS	08/26/24 00:55	PS for Al,Mo,Ag	Jaswal	OK
126	P3671-14ADL	S-912-J-SO-0.5-1-081	PS	08/26/24 00:58	Not used	Jaswal	Not Ok
127	P3440-01ARE2	923-K1-WS-080124A	PS	08/26/24 01:15	PS for Ag	Jaswal	OK
128	CCV11	CCV11	CCV	08/26/24 01:17		Jaswal	OK
129	CCB11	CCB11	CCB	08/26/24 01:30		Jaswal	OK

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

Prep Standard - Chemical Standard Summary

Order ID : P3467

Test : Mercury,Metals Group4

Prepbatch ID : PB162680,PB162950,

Sequence ID/Qc Batch ID: LB131960,LB132155,

Standard ID :
MP81779,MP81780,MP81781,MP81782,MP81783,MP81784,MP81785,MP81786,MP81787,MP81788,MP81789,MP81790,
MP81791,MP81795,MP81796,MP81797,MP81798,MP81799,MP81800,MP81801,MP81802,MP81803,MP81804,MP81805,
MP81806,MP81807,MP81808,MP81809,MP81813,MP81814,MP81816,MP81818,MP81819,MP81820,MP81821,MP81889,
MP81890,MP81891,MP81892,MP81946,MPMP81803,

Chemical ID :
M4251,M4399,M4465,M4916,M5062,M5192,M5227,M5231,M5288,M5295,M5304,M5390,M5473,M5498,M5513,M5515,M5
519,M5613,M5658,M5697,M5698,M5739,M5769,M5776,M5798,M5799,M5800,M5801,M5802,M5806,M5815,M5817,M5818
,M5819,M5873,M5874,M5951,M5953,M5961,M5962,M5963,M5965,M5976,M5978,M5981,M5982,M5983,M6023,M6025,M6
028,M6030,M6033,M6036,M79051,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
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP81779	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 1.00000ml of M5965 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1340	Hg 0.00 PPB STD	MP81780	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 247.50000ml of W3112 = Final Quantity: 250.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1341	Hg 0.2 PPB STD	MP81781	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 247.30000ml of W3112 + 0.20000ml of MP81779 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1342	Hg 2.5 PPB STD	MP81782	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 245.00000ml of W3112 + 2.50000ml of MP81779 = 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	MP81783	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 242.50000ml of W3112 + 5.00000ml of MP81779 = 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	MP81784	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 240.00000ml of W3112 + 7.50000ml of MP81779 = 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	MP81785	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 237.50000ml of W3112 + 10.00000ml of MP81779 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1346	Hg ICV SOLUTION	MP81786	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5953 + 2.50000ml of M5965 + 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)	MP81787	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 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)	MP81788	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 485.00000ml of W3112 + 5.00000ml of M5965 + 10.00000ml of MP81779 = 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)	MP81789	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 495.00000ml of W3112 + 5.00000ml of M5965 = 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)	MP81790	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 247.30000ml of W3112 + 0.20000ml of MP81779 = 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
1350	CHK STD (Hg 7.0 PPB SOLUTION)	MP81791	08/12/2024	08/13/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 08/13/2024

FROM 2.50000ml of M5965 + 240.50000ml of W3112 + 7.00000ml of MP81779 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP81795	08/07/2024	08/31/2024	Sarabjit Jaswal	None	None	Mohan Bera 08/13/2024

FROM 25.00000ml of M5951 + 4925.00000ml of W3112 + 50.00000ml of M5963 = Final Quantity: 5000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2902	S8 ICPMS	MP81796	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 1.00000ml of M6033 + 2.50000ml of M5288 + 2.50000ml of M5515 + 5.00000ml of M5498 + 5.00000ml of M5769 + 5.00000ml of M5806 + 79.00000ml of MP81795 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3947	S7(SFAM,6020,200.8)	MP81797	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.40000ml of M5513 + 1.00000ml of M5799 + 1.00000ml of M5818 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M6033 + 10.00000ml of M5963 + 10.00000ml of M5976 + 10.00000ml of M5978 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5473 + 4.00000ml of M5390 + 4.90000ml of M5515 + 4.90000ml of M5519 + 5.00000ml of M5951 + 50.00000ml of M5304 + 831.70000ml of W3112 + 9.00000ml of M5697 + 9.00000ml of M5698 + 9.00000ml of M5819 + 9.90000ml of M5498 + 9.90000ml of M5769 + 9.90000ml of M5806 = Final Quantity: 1000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3948	S6(SFAM,6020,200.8)	MP81798	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.50000ml of M5951 + 1.00000ml of M5963 + 48.50000ml of W3112 + 50.00000ml of MP81797 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3949	S5(SFAM,6020,200.8)	MP81799	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.50000ml of M5951 + 1.00000ml of M5963 + 73.50000ml of W3112 + 25.00000ml of MP81797 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3954	S4(SFAM,6020,200.8)	MP81800	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.50000ml of M5951 + 1.00000ml of M5963 + 86.00000ml of W3112 + 12.50000ml of MP81797 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3951	S3(SFAM, 6020,200.8)	MP81801	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.50000ml of M5951 + 1.00000ml of M5963 + 88.50000ml of W3112 + 10.00000ml of MP81798 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3955	S2CONC(SFAM,6020,200.8)	MP81802	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.05000ml of M5473 + 0.05000ml of M5698 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.10000ml of M5658 + 0.10000ml of M5697 + 0.10000ml of M5802 + 0.10000ml of M6033 + 0.25000ml of M5227 + 0.25000ml of M5515 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5976 + 0.25000ml of M5978 + 0.50000ml of M5390 + 0.50000ml of M5818 + 1.25000ml of M5815 + 1.25000ml of M5817 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5769 + 2.50000ml of M5806 + 2.50000ml of M5951 + 226.25000ml of W3112 + 5.00000ml of M5963 = Final Quantity: 250.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3956	S2(SFAM,6020,200.8)	MP81803	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.50000ml of M5951 + 1.00000ml of M5963 + 98.00000ml of W3112 + 0.50000ml of MP81802 = 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
68	STANNOUS CHLORIDE SOLUTION	MP81804	08/13/2024	08/14/2024	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 08/13/2024

FROM 450.00000ml of W3112 + 50.00000gram of M5776 + 50.00000ml of M5951 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3957	S1(SFAM,6020,200.8)	MP81805	08/07/2024	08/31/2024	Sarabjit Jaswal	None	None	Mohan Bera 08/13/2024

FROM 0.50000ml of M5951 + 1.00000ml of M5963 + 88.50000ml of W3112 + 10.00000ml of MP81803 = 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
3958	ICV(SFAM)	MP81806	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 2.00000ml of M5295 + 98.00000ml of MP81795 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3961	CCV	MP81807	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.20000ml of M5513 + 0.50000ml of M5799 + 0.50000ml of M5818 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 1.25000ml of M5473 + 10.00000ml of M5963 + 12.45000ml of M5515 + 12.45000ml of M5519 + 2.00000ml of M5390 + 24.95000ml of M5498 + 24.95000ml of M5769 + 24.95000ml of M5806 + 25.00000ml of M5304 + 4.50000ml of M5697 + 4.50000ml of M5698 + 4.50000ml of M5819 + 4.95000ml of M6033 + 5.00000ml of M5951 + 5.50000ml of M5976 + 5.50000ml of M5978 + 823.35000ml of W3112 = Final Quantity: 1000.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1142	ICSA ICPMS	MP81808	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 10.00000ml of M5873 + 90.00000ml of MP81795 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1143	ICSAB ICPMS	MP81809	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP81795 = Final Quantity: 100.000 ml

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3962	MG 10PPM FOR TUNE	MP81813	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 0.01000ml of M5769 + 9.99000ml of MP81795 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3903	ISS 3PPM	MP81814	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 5.00000ml of M5963 + 75.00000ml of M5739 + 170.00000ml of MP81795 = 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
3894	TUNE 200PPB	MP81816	08/07/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/13/2024

FROM 2.00000ml of M5231 + 2.00000ml of MP81813 + 96.00000ml of MP81795 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3965	2:1 H2SO4 : HNO3	MP81818	08/13/2024	01/04/2025	Mohan Bera	None	None	Sarabjit Jaswal 08/13/2024

FROM 1600.00000ml of M5613 + 800.00000ml of M5963 = 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 %	MP81819	08/13/2024	02/13/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 08/13/2024

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 %	MP81820	08/13/2024	02/13/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 08/13/2024

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	MP81821	08/13/2024	02/14/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 08/13/2024

FROM 2000.00000ml of W3112 + 240.00000gram of M4251 + 240.00000gram of M4399 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3880	M&B SPIKE-1	MP81889	08/16/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/16/2024

FROM 5.00000ml of M5227 + 5.00000ml of M5658 + 5.00000ml of M5798 + 5.00000ml of M5800 + 5.00000ml of M5802 + 5.00000ml of M5961 + 5.00000ml of M5962 + 5.00000ml of M5981 + 5.00000ml of M5982 + 5.00000ml of M5983 + 5.00000ml of M6023 + 5.00000ml of M6028 + 5.00000ml of M6030 + 35.00000ml of MP81795 = 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	MP81890	08/16/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/16/2024

FROM 10.00000ml of M5976 + 12.50000ml of M5390 + 12.50000ml of M5515 + 12.50000ml of M5519 + 2.50000ml of M5799 + 2.50000ml of M5818 + 5.00000ml of M6033 + 30.00000ml of MP81795 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3882	M&B SPIKE-3	MP81891	08/16/2024	08/31/2024	Sarabjit Jaswal	None	None	Mohan Bera 08/16/2024

FROM 0.62500ml of M5513 + 12.50000ml of M5697 + 12.50000ml of M5698 + 12.50000ml of M5819 + 11.87500ml of MP81795 = 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	MP81892	08/16/2024	08/31/2024	Sarabjit Jaswal	None	None	Mohan Bera 08/16/2024

FROM 6.25000ml of M5498 + 6.25000ml of M5769 + 6.25000ml of M5806 + 6.25000ml of MP81795 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4025	M&B SPIKE-5	MP81946	08/19/2024	08/31/2024	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 08/19/2024

FROM 15.00000ml of M5192 + 15.00000ml of M5978 + 20.00000ml of MP81795 = 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	12/19/2018 / mohan	12/05/2018 / mohan	M4251

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)	0000187425	08/16/2024	08/16/2019 / RICHARD	07/08/2019 / RICHARD	M4399

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 #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	051722	05/17/2025	07/01/2022 / bin	06/17/2022 / jaswal	M5192

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	100121	10/01/2024	07/01/2022 / bin	10/18/2021 / bin	M5227

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / TUNE-A,	R2-MEB695520	08/31/2024	11/27/2022 / jaswal	07/06/2022 / jaswal	M5231

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	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	02/20/2020 / bin	M5295

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	08/07/2024 / jaswal	04/01/2022 / jaswal	M5304

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	072122	07/21/2025	08/07/2024 / jaswal	09/18/2022 / bin	M5390

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.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	03/16/2023 / jaswal	03/16/2023 / jaswal	M5473

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	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

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	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

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	092122	09/21/2025	08/01/2024 / Jaswal	03/17/2023 / bin	M5515

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 #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000265056	11/05/2025	07/13/2023 / mohan	07/07/2023 / mohan	M5613

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.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	102623	10/26/2026	04/18/2024 / jaswal	10/27/2023 / jaswal	M5698

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.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	05/24/2024 / Jaswal	01/03/2024 / bin	M5769

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)	0000281938	07/06/2026	06/26/2023 / mohan	07/18/2023 / mohan	M5776

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

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	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57014 / Si, 1000 PPM, 125 ml	122023	12/20/2026	03/06/2024 / jaswal	02/09/2024 / jaswal	M5818

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	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

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	04/30/2025	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	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	12/27/2024	07/04/2024 / Jaswal	06/23/2024 / Al-Terek	M5951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-5 / ICV (HG) STOCK SOLN	ICV5-0415	01/01/2025	07/01/2024 / mohan	03/30/2023 / mohan	M5953

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 #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24B1362001	01/04/2025	07/09/2024 / Al-Terek	07/03/2024 / Al-Terek	M5963

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)	24B1362001	01/04/2025	07/05/2024 / Jaswal	07/03/2024 / Al-Terek	M5965

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	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

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	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

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.	57038 / Sr, 1000 PPM, 125 ml	031524	03/15/2027	07/01/2024 / Jaswal	06/11/2024 / Jaswal	M5982

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	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5983

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

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.	57082 / Pb, 1000 PPM, 125 ml	061224	06/12/2027	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.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	01/25/2019 / 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.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/07/2024 / Jaswal	01/03/2024 / Jaswal	M6033

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	08/10/2024 / Janvi	08/01/2024 / Janvi	M6036

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M5613
25

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000265056
Manufactured Date: 2020/05/12
Retest Date: 2025/05/11
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	< 1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	< 1.0
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

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

Material No.: 9673-33
Batch No.: 0000265056

Test	Specification	Result
Trace Impurities – Iron (Fe)	<= 50.0 ppb	3.3
Trace Impurities – Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	< 0.2
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities – Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities – Selenium (Se)	<= 50.0 ppb	17.8
Trace Impurities – Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 500.0 ppb	1.5
Trace Impurities – Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities – Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities – Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

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

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 Number: 070124
Description: Cadmium (Cd)

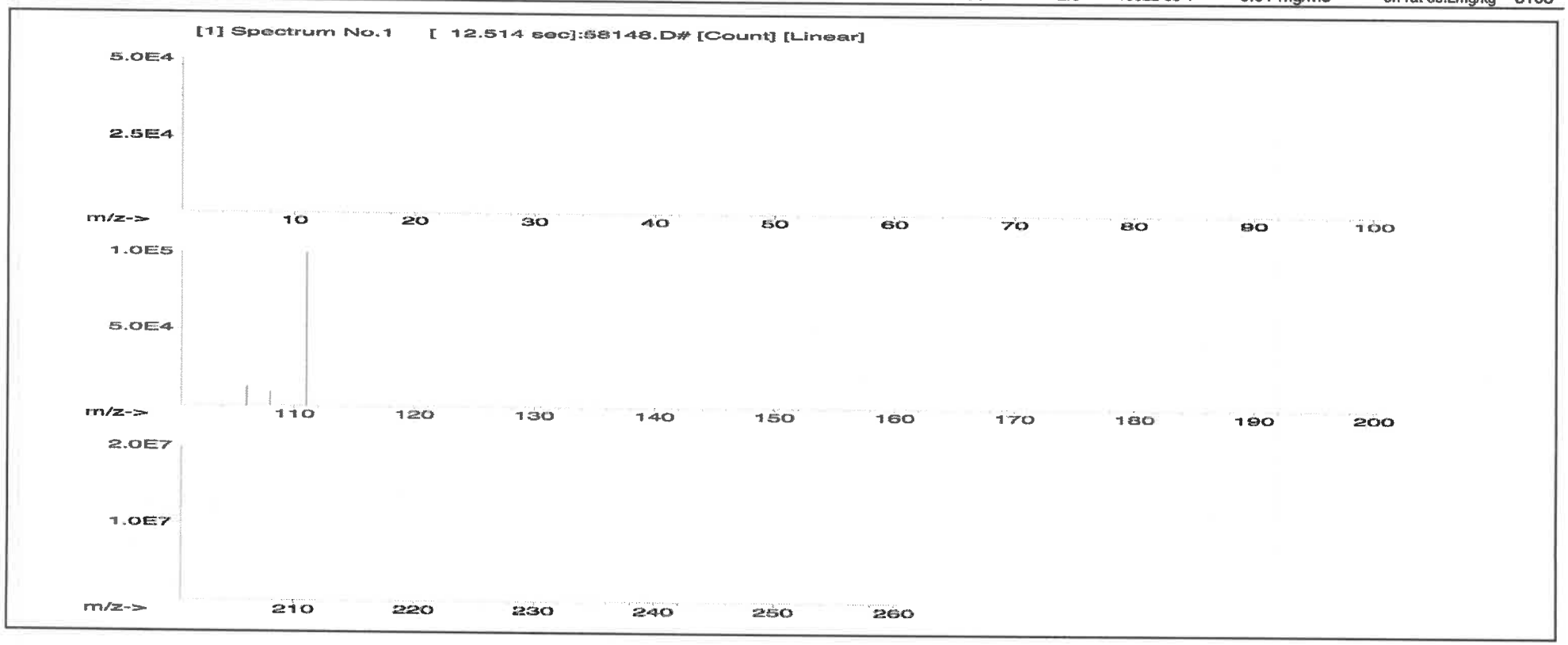
Expiration Date: 070127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty

Aleah O'Brady

Formulated By:	Aleah O'Brady	070124
Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 8/5/24

CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 110923
Description: Lead (Pb)

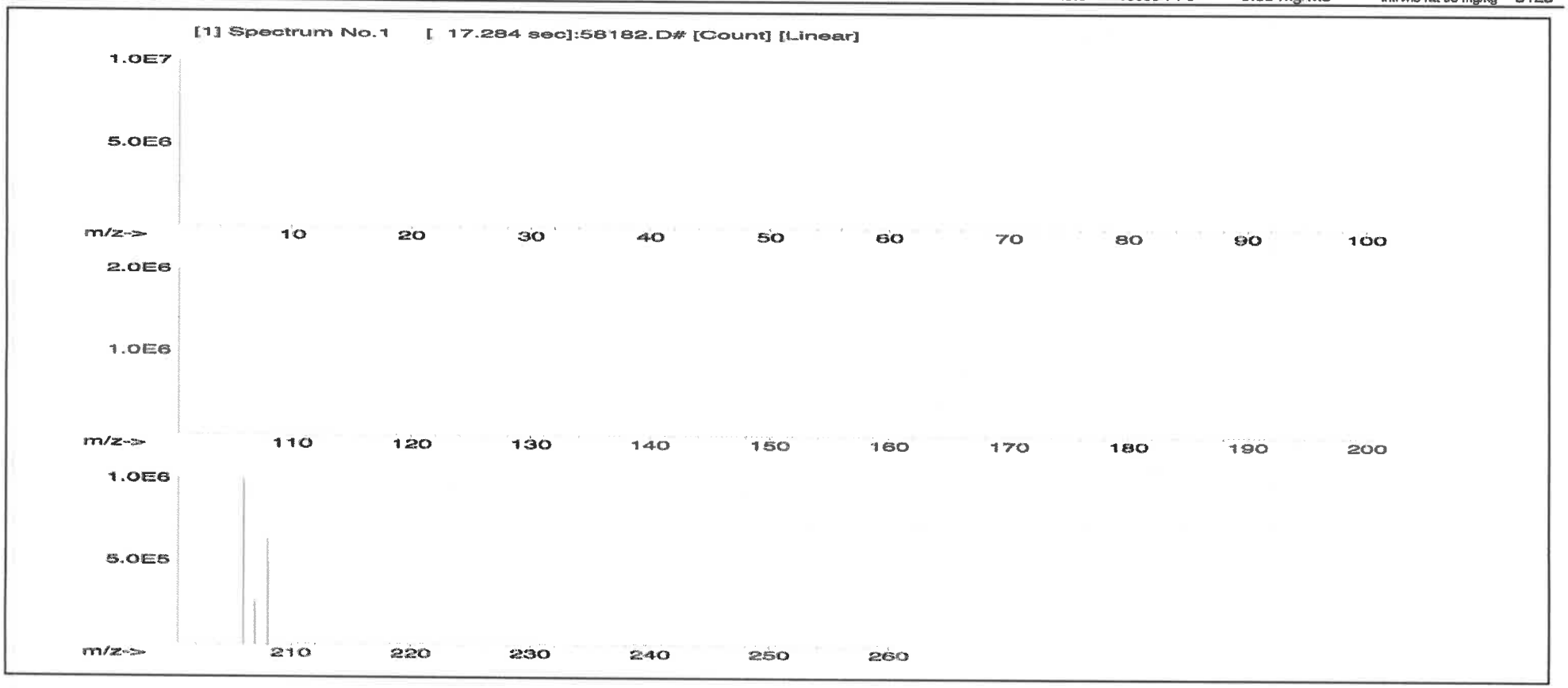
Expiration Date: 110926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 2000.02 0.058 Flask Uncertainty

		Lot #	
Solvent:	24002546		Nitric Acid
	2%	40.0 (mL)	Nitric Acid
		5E-05	Balance Uncertainty

Formulated By:	Lawence Barry	110923
Reviewed By:	Pedro L. Rentas	110923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	10000	99.999	0.10	62.5	32.0006	32.0040	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

M5776-83
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

Hydroxylamine Hydrochloride, Crystal
BAKER ANALYZED® A.C.S. Reagent
Suitable for Mercury Determination
(hydroxylammonium chloride)

M4251
JB

J.T.Baker® | avantor™

Material No.: 2196-01
Batch No.: 0000215387
Manufactured Date: 2018/06/27
Retest Date: 2025/06/25
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NH_2OH \cdot HCl$) (by $KMnO_4$ titrn)	>= 96.0 %	99.1
Clarity of Alcohol Solution	Passes Test	PT
Residue after Ignition	<= 0.050 %	0.017
Titrable Free Acid (meq/g)	<= 0.25	0.19
Ammonium (NH_4)	Passes Test	PT
Sulfur Compounds (as SO_4)	<= 0.005 %	< 0.003
Trace Impurities - ACS - Heavy Metals (as Pb)	<= 5 ppm	4
Trace Impurities - Iron (Fe)	<= 5 ppm	< 3
Trace Impurities - Mercury (Hg)	<= 0.050 ppm	< 0.005

For Laboratory, Research or Manufacturing Use

Country of Origin: CN
Packaging Site: Paris Mfg Ctr & DC

ISO
Phillipsburg, NJ 9001:2015, FSSC22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2015, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2015, 17025:2005
Panoli, India 9001:2015

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

IM4399

Supplied – 07.08.19

Material No.: 3624-05
Batch No.: 0000187425
Manufactured Date: 2017/08/03
Retest Date: 2024/08/01

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (NaCl) (by Ag titrn)	>= 99.0 %	99.8
pH of 5% Solution at 25°C	5.0 - 9.0	5.8
ACS - 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 %	< 0.003
ACS - Phosphate (PO_4)	<= 5 ppm	< 5
Sulfate (SO_4)	<= 0.004 %	< 0.004
Barium (Ba)	Passes Test	PT
ACS - Heavy Metals (as Pb)	<= 5 ppm	< 5
Iron (Fe)	<= 2 ppm	< 2
Calcium (Ca)	<= 0.002 %	< 0.002
Magnesium (Mg)	<= 0.001 %	< 0.001
Potassium (K)	<= 0.005 %	< 0.005

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

RS 08.16.19

ISO
Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.
3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

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 (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/4}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Ag		0.000011	M	Eu	<	0.000201	O	Na		0.000004	M	Se	<	0.015915	O	Zn	<	0.001510
O	Al		0.000001	O	Fe		0.000001	M	Nb	<	0.000201	O	Si		0.000005	M	Zr	<	0.000201
M	As	<	0.000402	M	Ga	<	0.000201	M	Nd	<	0.000201	M	Sm	<	0.000201				
M	Au	<	0.003631	M	Gd	<	0.000201	M	Ni	<	0.000402	M	Sn	<	0.001007				
M	B	<	0.001208	M	Ge	<	0.000201	M	Os	<	0.000605	M	Sr	<	0.000201				
M	Ba	<	0.000201	M	Hf	<	0.000201	O	P	<	0.032370	M	Ta	<	0.000201				
M	Be	<	0.000201	s	Hg	<		M	Pb	<	0.000201	M	Tb	<	0.000201				
M	Bi	<	0.000201	M	Ho	<	0.000201	M	Pd	<	0.000403	M	Te	<	0.002216				
O	Ca		0.000007	M	In	<	0.000201	M	Pr	<	0.000201	M	Th	<	0.000201				
M	Cd	<	0.000201	M	Ir	<	0.000201	M	Pt	<	0.000402	M	Ti	<	0.000402				
M	Ce	<	0.000201	O	K		0.000020	M	Rb	<	0.000201	O	Tl	<	0.016508				
M	Co	<	0.000201	M	La	<	0.000201	M	Re	<	0.000201	M	Tm	<	0.000201				
O	Cr	<	0.003021	O	Li	<	0.000107	M	Rh	<	0.000201	M	U	<	0.008058				
M	Cs	<	0.001208	M	Lu	<	0.000201	M	Ru	<	0.000201	M	V	<	0.000201				
M	Cu	<	0.000402	O	Mg		0.000001	O	S	<	0.053950	M	W	<	0.000604				
M	Dy	<	0.000201	M	Mn	<	0.000604	M	Sb	<	0.001208	M	Y	<	0.000201				
M	Er	<	0.000201	M	Mo		0.000009	M	Sc	<	0.000201	M	Yb	<	0.000201				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 200.59 +2 4 Hg(OH)(aq) 1+

Chemical Compatibility - Stable in HNO3. Avoid basic media forming insoluble carbonate. The sulfide, basic carbonate, oxalate, phosphate, arsenite, arsenate and iodide are insoluble in water.

Stability - 2-100 ppb levels not stable in 1% HNO3 / LDPE container, stable in 10% HNO3 packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO3 packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO3 / LDPE container.

Hg Containing Samples (Preparation and Solution) - Metal (soluble in HNO3); Oxide (Soluble in HNO3); Ores and Organic based (The literature has more references to the preparation of Hg containing samples than any other element. Please consult the literature for your specific sample type, since such preparations are prone to error. Or e-mail our technical staff and we will contact you to discuss your particular sample preparation questions in further detail.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 202 amu	9 ppt	n/a	186W16O
ICP-OES 184.950 nm	0.03 / 0.005 µg/mL	1	
ICP-OES 194.227 nm	0.03 / 0.005 µg/mL	1	V
ICP-OES 253.652 nm	0.1 / 0.03 µg/mL	1	Ta, Co, Th ,Rh , Fe, U

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 22, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 22, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5192 R: 06/17/22

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised

CERTIFIED WEIGHT REPORT:

Part Number: 57042
Lot Number: 051722
Description: Molybdenum (Mo)

Expiration Date: 051725
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Volume shown below was diluted to (mL): 3000.41 0.058 Flask Uncertainty

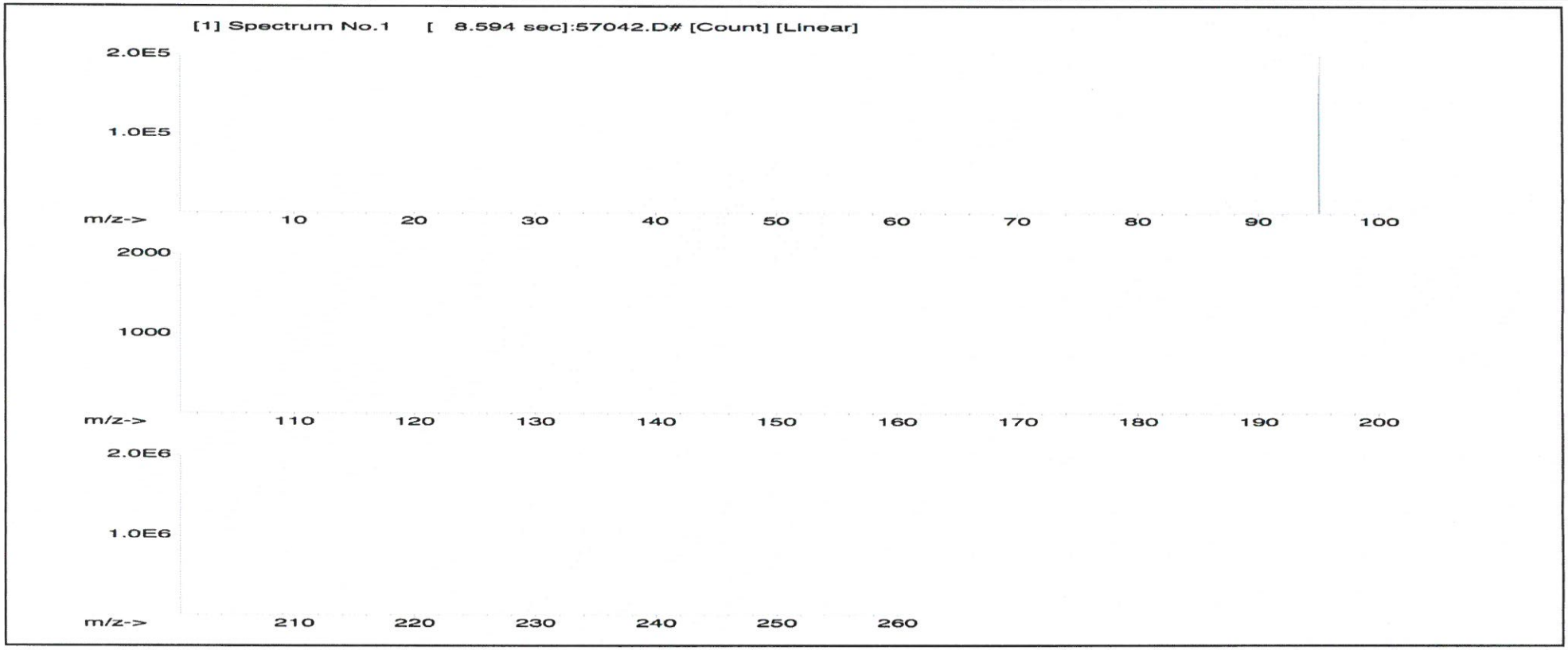
Lot #	Solvent:		
MKBQ8597V	Ammonium hydroxide	0.5%	15.0 (mL)

Ammonium hydroxide

Formulated By: Lawrence Barry 051722

Reviewed By: Pedro L. Rentas 051722

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium molybdate (Mo)	58142	022222	0.1000	300.0	0.084	1000	10001.0	**1000.0**	**2.1**	13106-76-8	5 mg(Mo)/m3	orl-rat 333 mg/kg	3134



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	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

M5227 R: 10/18/2021

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:

		Lot #	Solvent:	
Part Number:	**57023**	20370011	Nitric Acid	
Lot Number:	**100121**			
Description:	**Vanadium (V)**	2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	100124			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

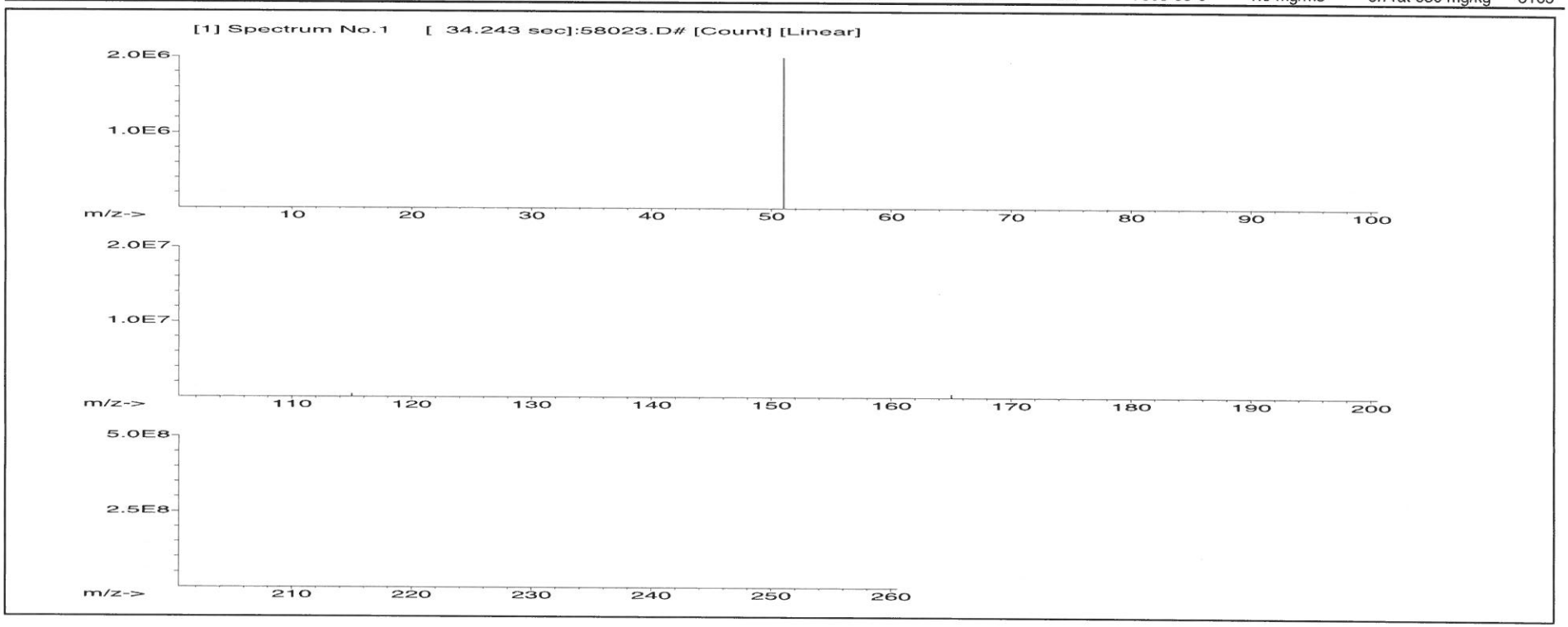
Giovanni Esposito

Formulated By:	Giovanni Esposito	100121

Pedro Rentas

Reviewed By:	Pedro L. Rentas	100121

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	070721	0.1000	300.0	0.084	1000	10000.4	**1000.0**	**2.1**	7803-55-6	1.0 mg/m3	orl-rat 630 mg/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 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	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).

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 7/6/22 M5231

tel: 800.669.6799 · 540.585.3030
fax: 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:	R2-MEB695520
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	10.00 ± 0.05 µg/mL	Beryllium, Be	10.00 ± 0.05 µg/mL
Bismuth, Bi	10.00 ± 0.05 µg/mL	Cerium, Ce	10.00 ± 0.04 µg/mL
Cobalt, Co	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.00 ± 0.04 µg/mL
Nickel, Ni	10.00 ± 0.04 µg/mL	Uranium, U	10.00 ± 0.05 µg/mL

Density: 1.023 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	991212
Bi	Calculated		See Sec. 4.2
Ce	ICP Assay	3110	090504
Ce	EDTA	928	928
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	3164	080521
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 (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
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

- 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, PERIOD OF VALIDITY AND REVISION HISTORY

11.1 Certification Issue Date

August 04, 2020

- 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 04, 2024

- 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.

11.4 Revision Status

- Revision 1 - Revised on Wednesday, Oct 14, 2020 by utruong. Revision was made for the following reason: Added missing isotopic abundance for Uranium..

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

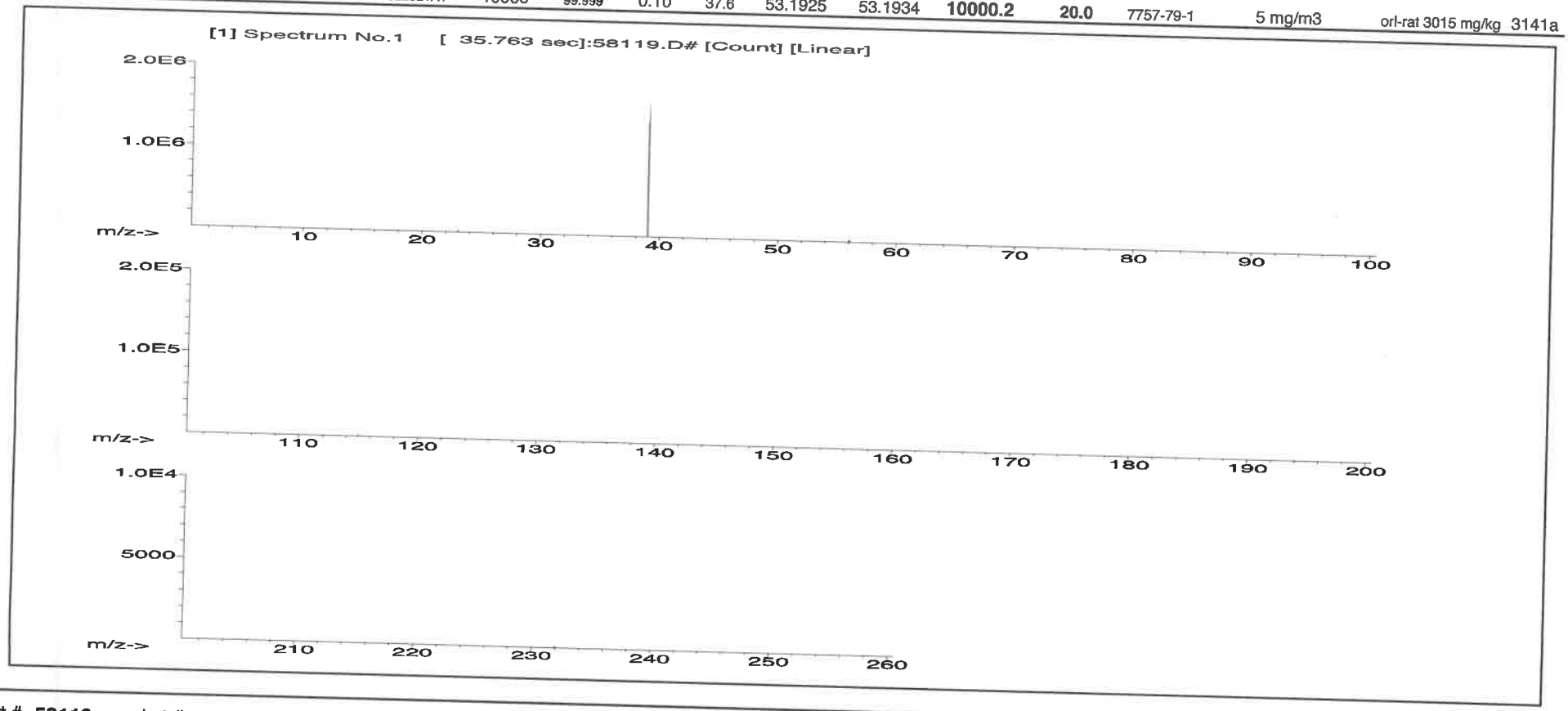
Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

Expiration Date: 071125
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:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 071122
Reviewed By: Pedro L. Rentas 071122

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	53.1925	53.1934	**10000.2**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



Revised
959 of 1055
P3467-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	<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).

Revised
960 of 1055
P3467-METALS

R : 4/20/21

QATS LABORATORY INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or
Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

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

R: 09/08/22 (BA)

Certified Reference Material CRM

M5387 . M5389 . M5390 . M5391 . M5392

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

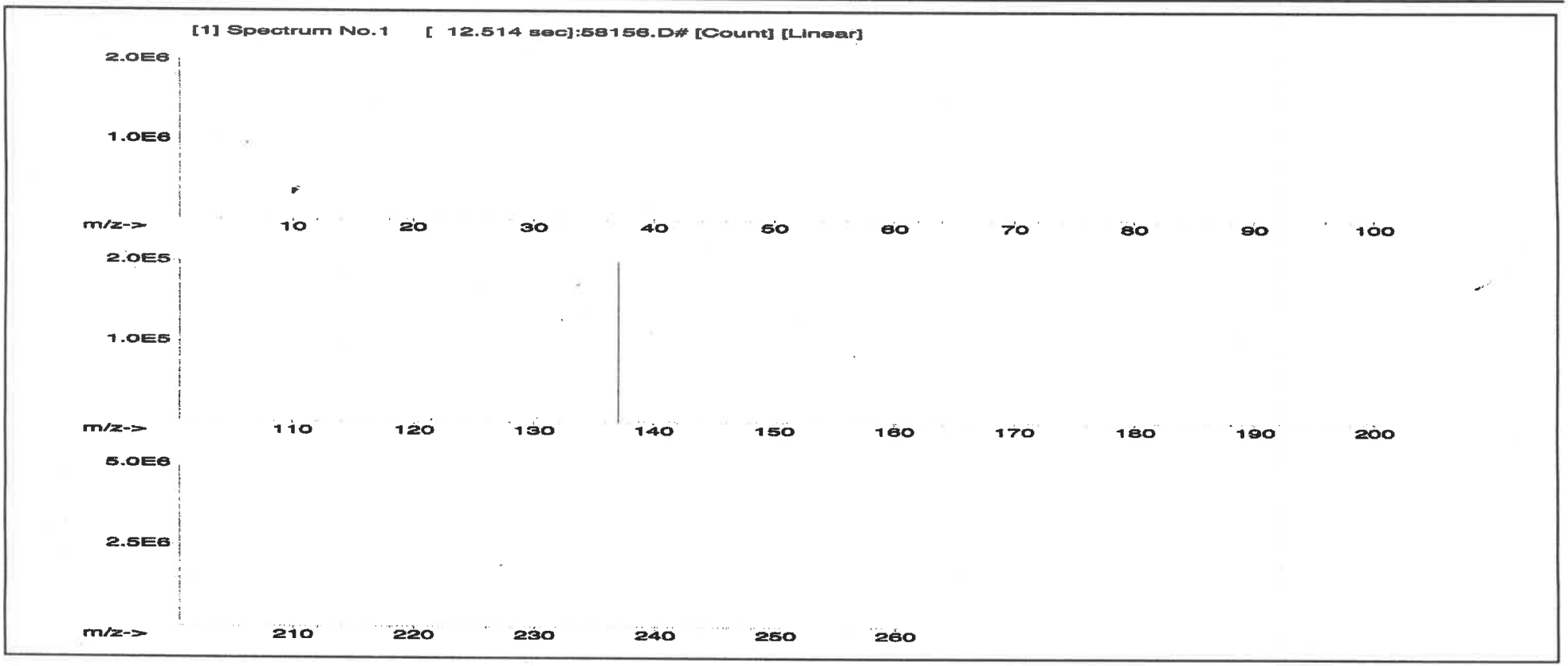
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Lot #**		
Lot Number:	**072122**	**Solvent:**	20510011	Nitric Acid	
Description:	**Barium (Ba)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	072125				
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	072122
Reviewed By:	Pedro L. Rentas	072122

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	3.82426	**1000.0**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



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:

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

M5497 - M5498 R: 03/17/23 BH

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

P3467-METALS

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 031523
Description: Calcium (Ca)

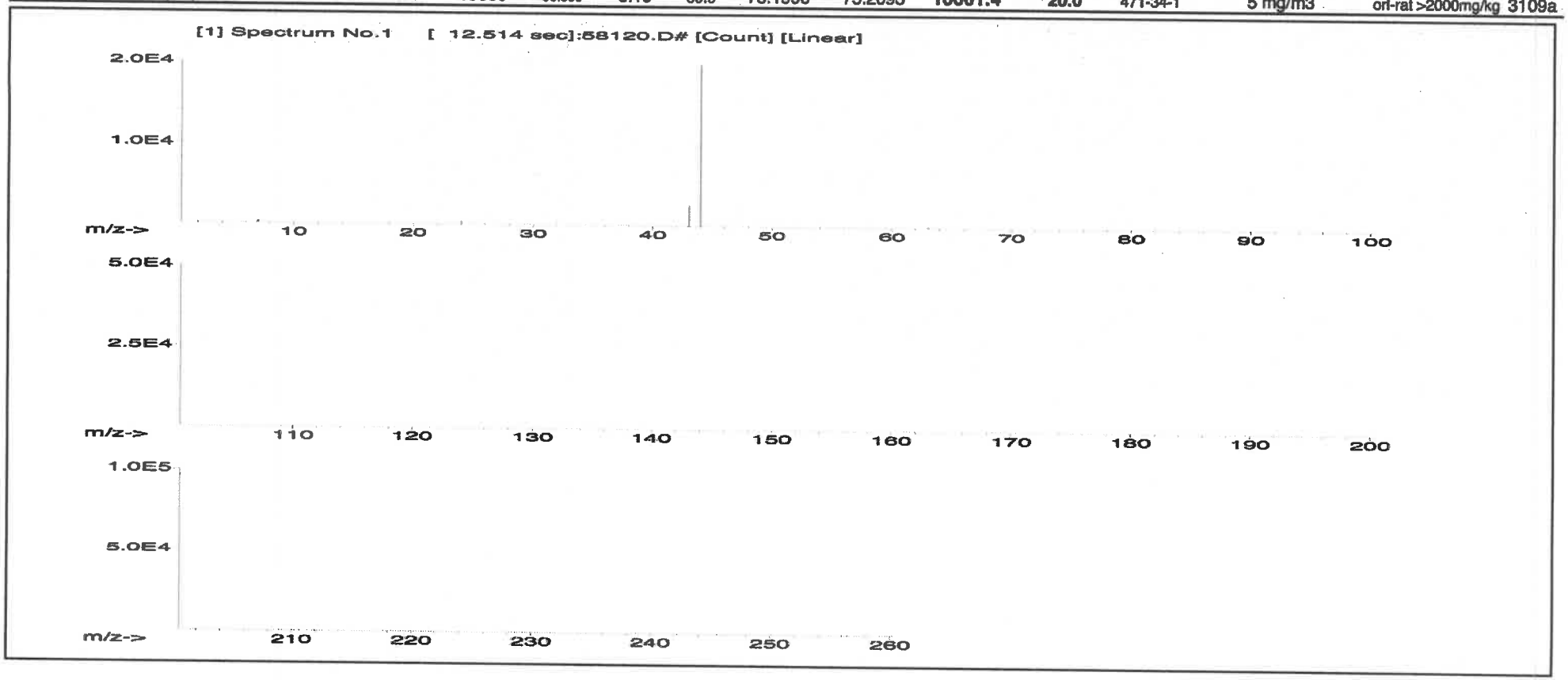
Expiration Date: 031526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41

	Lot #		
Solvent:	21110221	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.058	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	031523
Reviewed By:	Pedro L. Rentas	031523

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	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	**10001.4**	**20.0**	471-34-1	5 mg/m3	orl-rat >2000mg/kg	3109a



TRACE 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	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	<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

MS513 R:03/17/23 BE

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57182
Lot Number: 061522
Description: Lead (Pb)

Expiration Date: 061525
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02

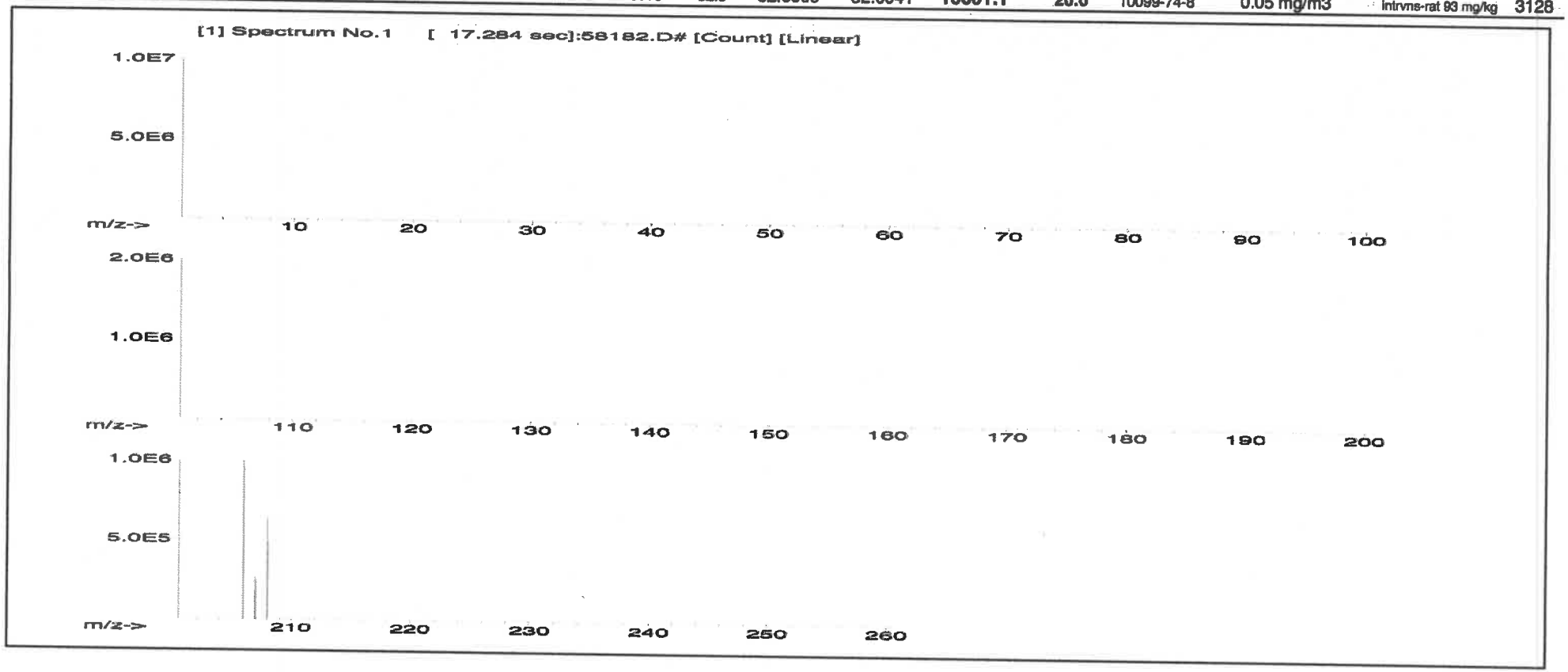
	Lot #		
Solvent:	20510011	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	061522
Reviewed By:	Pedro L. Rentas	061522

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	32.0041	**10001.1**	**20.0**	10099-74-8	0.05 mg/m3	Intrvns-rat 93 mg/kg	3128



3367-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	<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

MS514 - MS515 R: 03/17/22

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58126
Lot Number: 092122
Description: Iron (Fe)

Expiration Date: 092125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 5000.1 ± 0.12 Flask Uncertainty

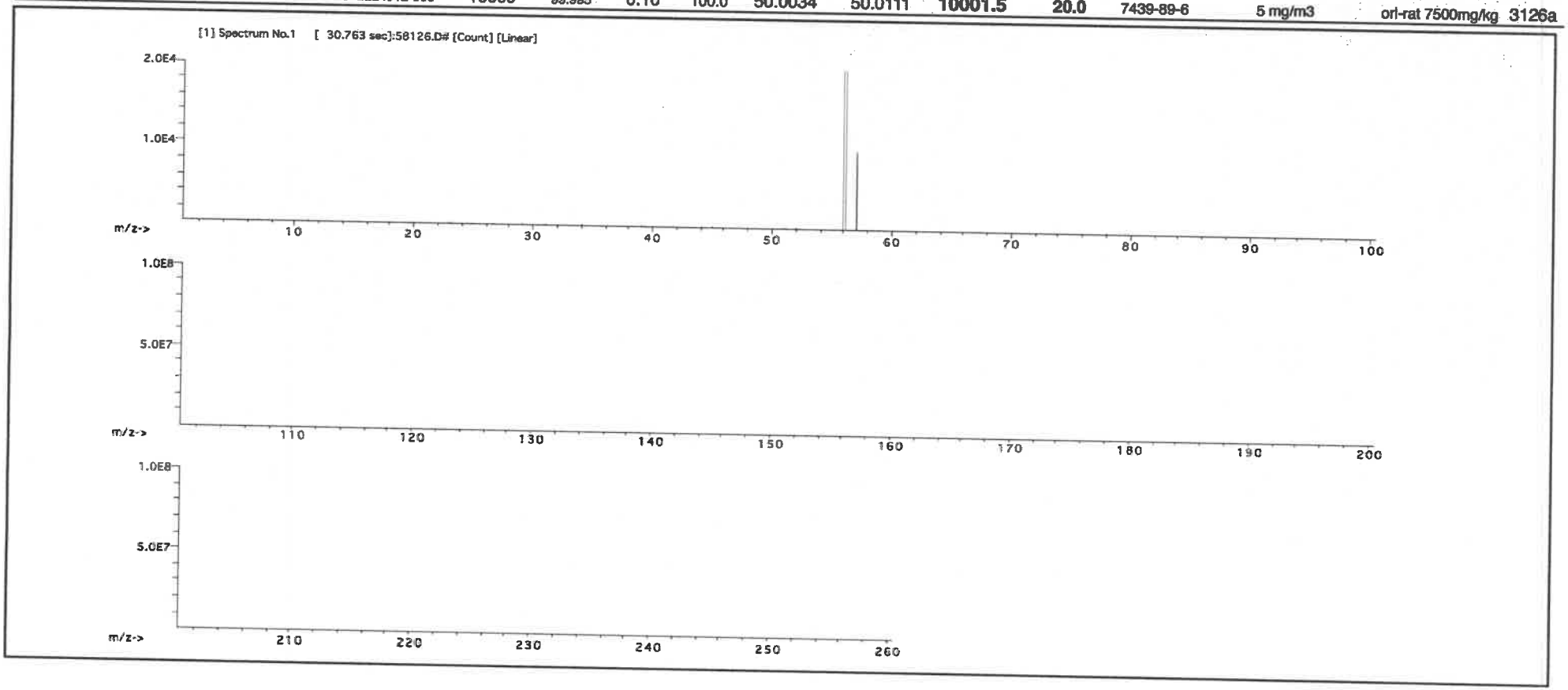
	Lot #		
Solvent:	20510011	Nitric Acid	
7.0%	350.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	092122
Reviewed By:	Pedro L. Rentas	092122

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	2224912-500	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	<0.05
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

M5519. M5520 (BH) R:03/17/23

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised

CERTIFIED WEIGHT REPORT:

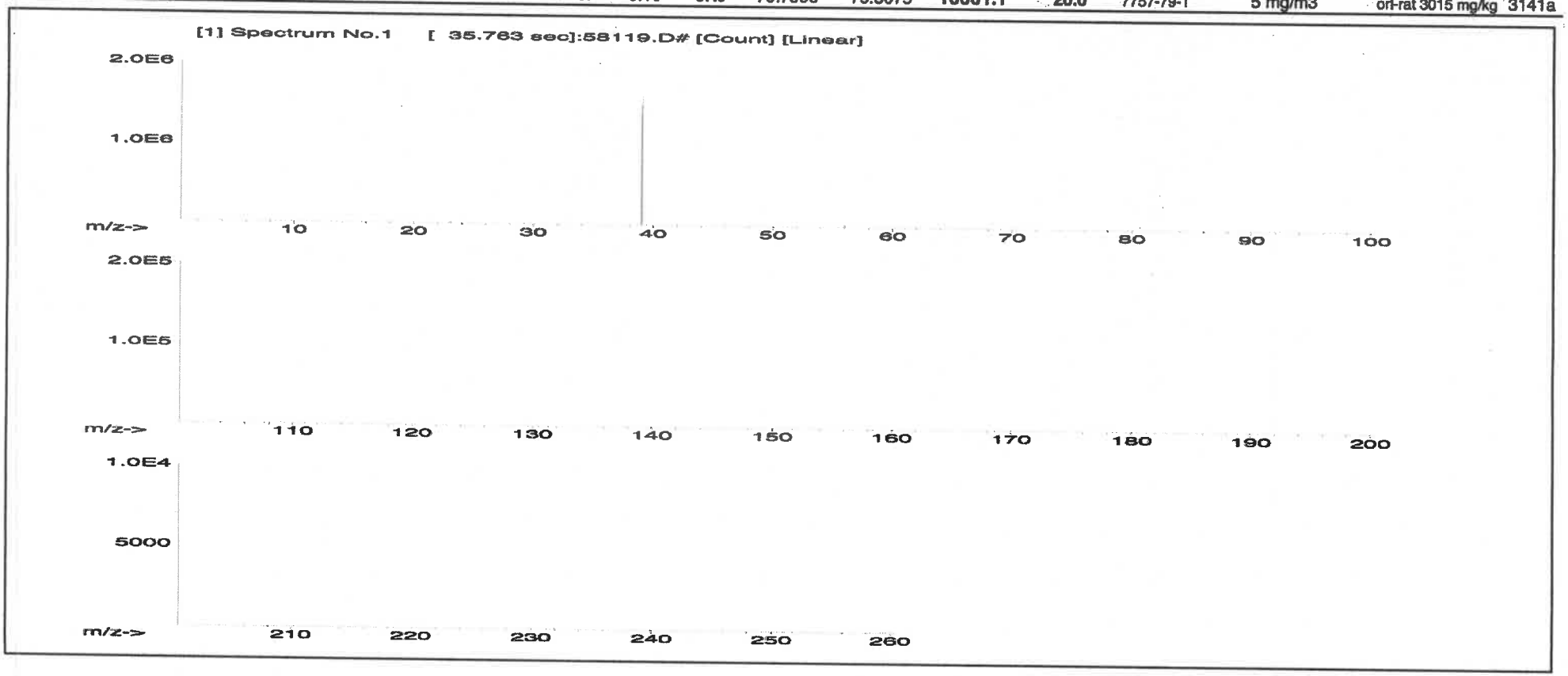
Part Number: 58119
Lot Number: 120822
Description: Potassium (K)

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.4

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	60.0 (mL)	Nitric Acid	
	5E-05	Balance Uncertainty	
	0.06	Flask Uncertainty	

Giovanni Esposito
Formulated By: Giovanni Esposito 120822
Pedro Rentas
Reviewed By: Pedro L. Rentas 120822

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD022021A1	10000	99.999	0.10	37.6	79.7990	79.8075	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3015 mg/kg	3141a



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5658 R ! 8/25/23

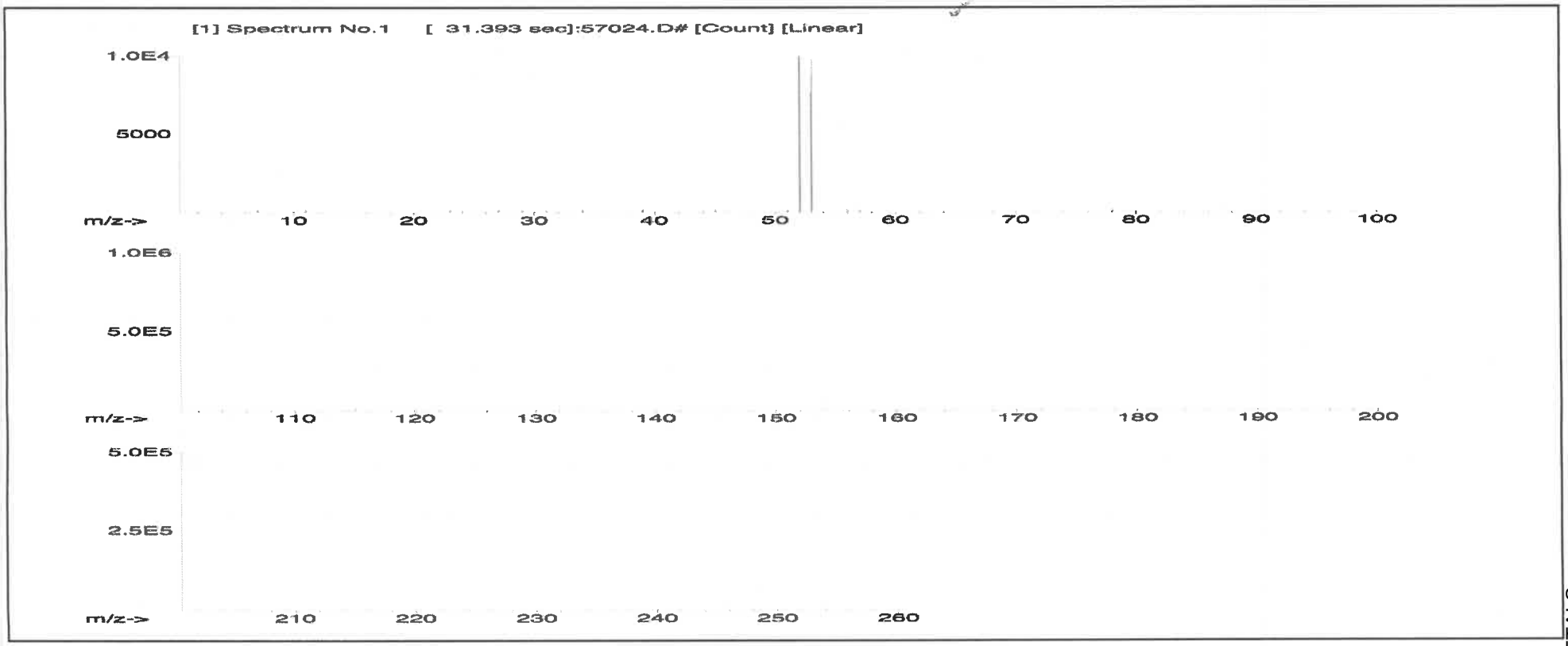
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5697 R: 10/27/23

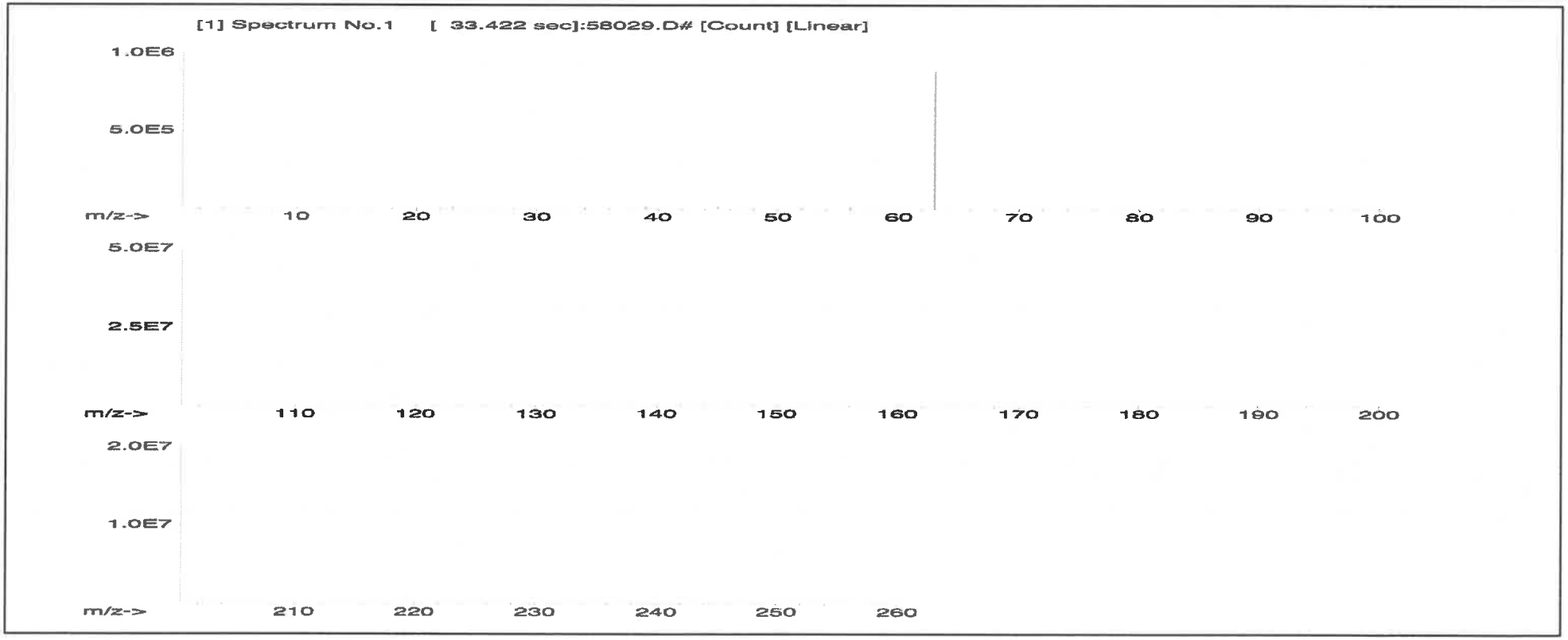
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**58029**	24002546	Nitric Acid
Lot Number:	**102523**		
Description:	**Copper (Cu)**		
		2.0%	40.0 (mL) Nitric Acid
Expiration Date:	102526		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05	Balance Uncertainty
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	100223	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



Absolute Standards, Inc.
308-368-1131
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

M5648 R: 10/27/23

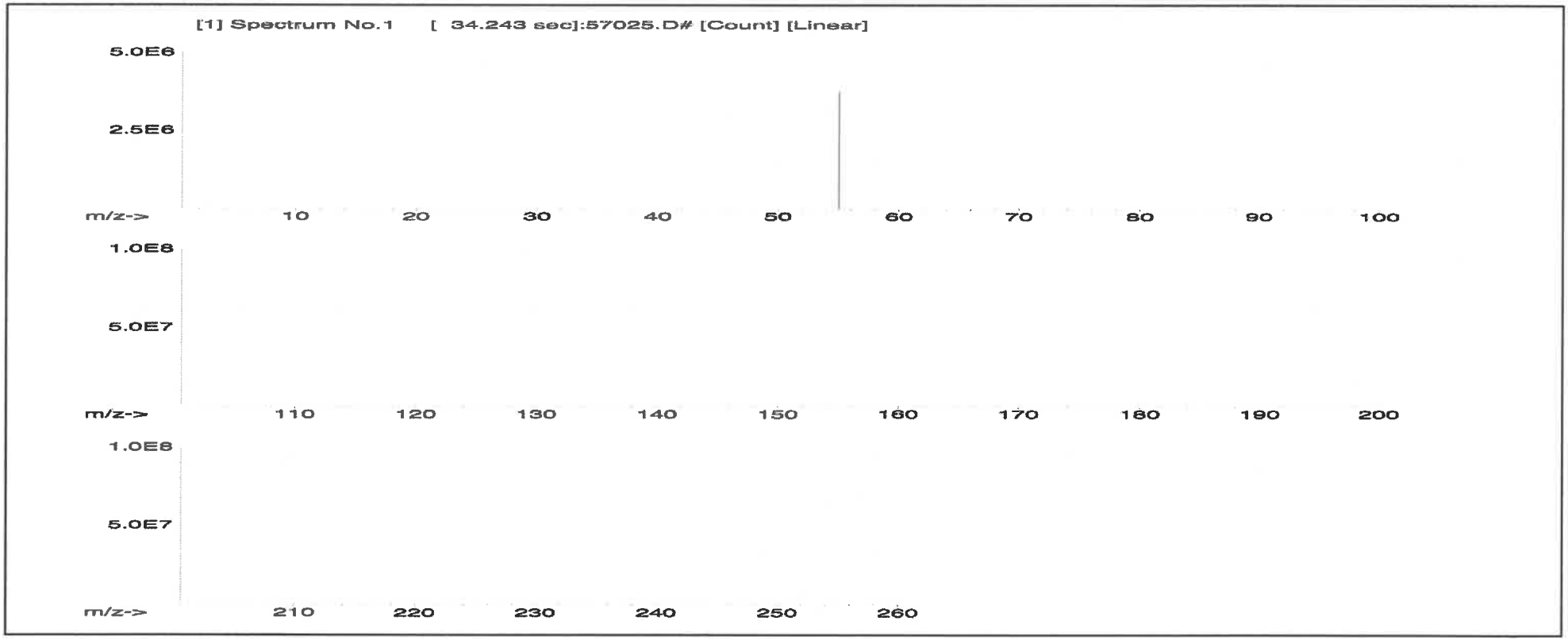
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58025**	24002546	Nitric Acid	
Lot Number:	**102623**			
Description:	**Manganese (Mn)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	102626			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	102623
Reviewed By:	Pedro L. Rentas	102623

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. Manganese(II) nitrate tetrahydrate (Mn)	58125	071123	0.1000	300.0	0.084	1000	10000.1	**1000.0**	**2.1**	20694-39-7	5 mg/m3	orl-rat >300mg/kg	3132



R4817-METALS
981 of 1055
Revised

Absolute Standards, Inc.
308-368-1131
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 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

M5768 M5769 BP R:1/3/24

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot Number: 091823
Description: Magnesium (Mg)

Expiration Date: 091826
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

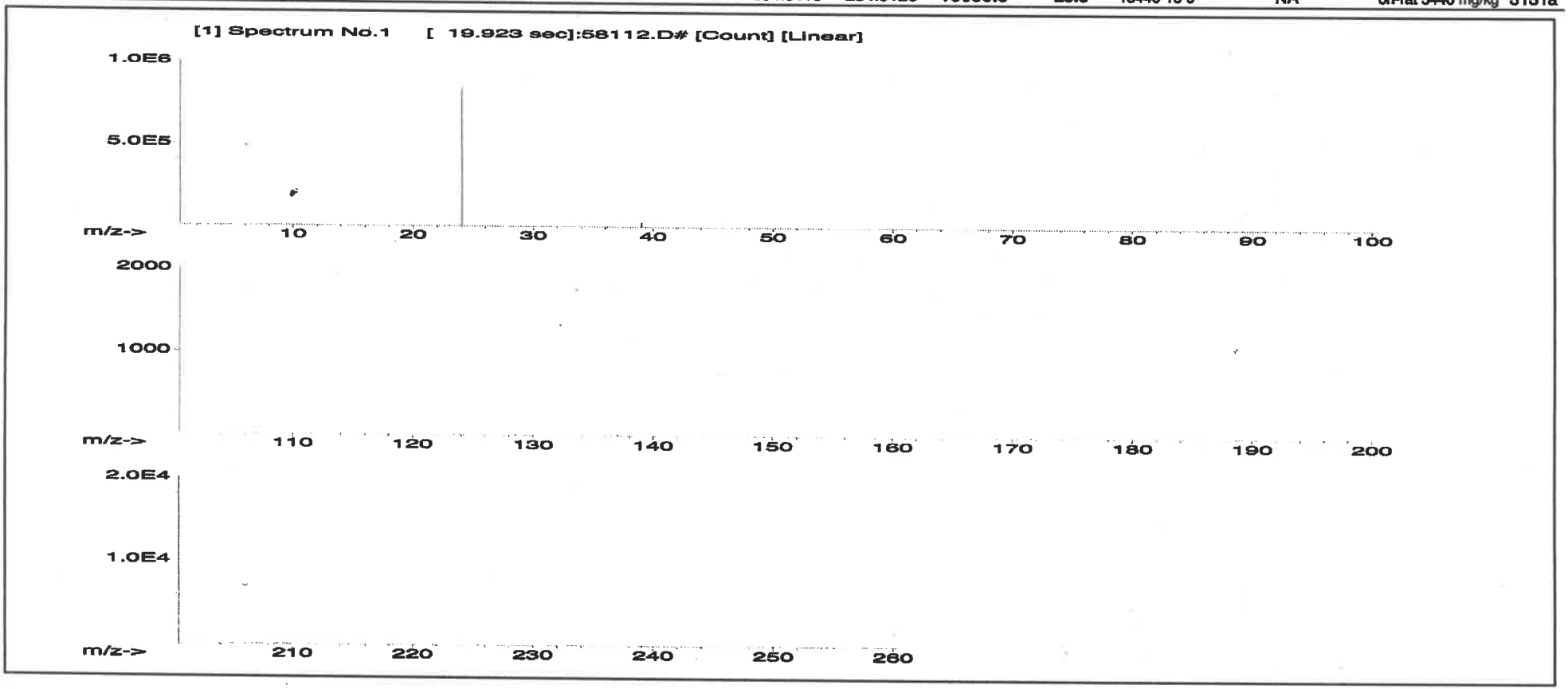
		Lot #	
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

M5768, M5769 BP R: 1/3/24

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	091823
Reviewed By:	Pedro L. Rentas	091823

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	234.9118	234.9126	**10000.0**	**20.0**	13446-18-9	NA	ort-rat 5440 mg/kg	3131a



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5798

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

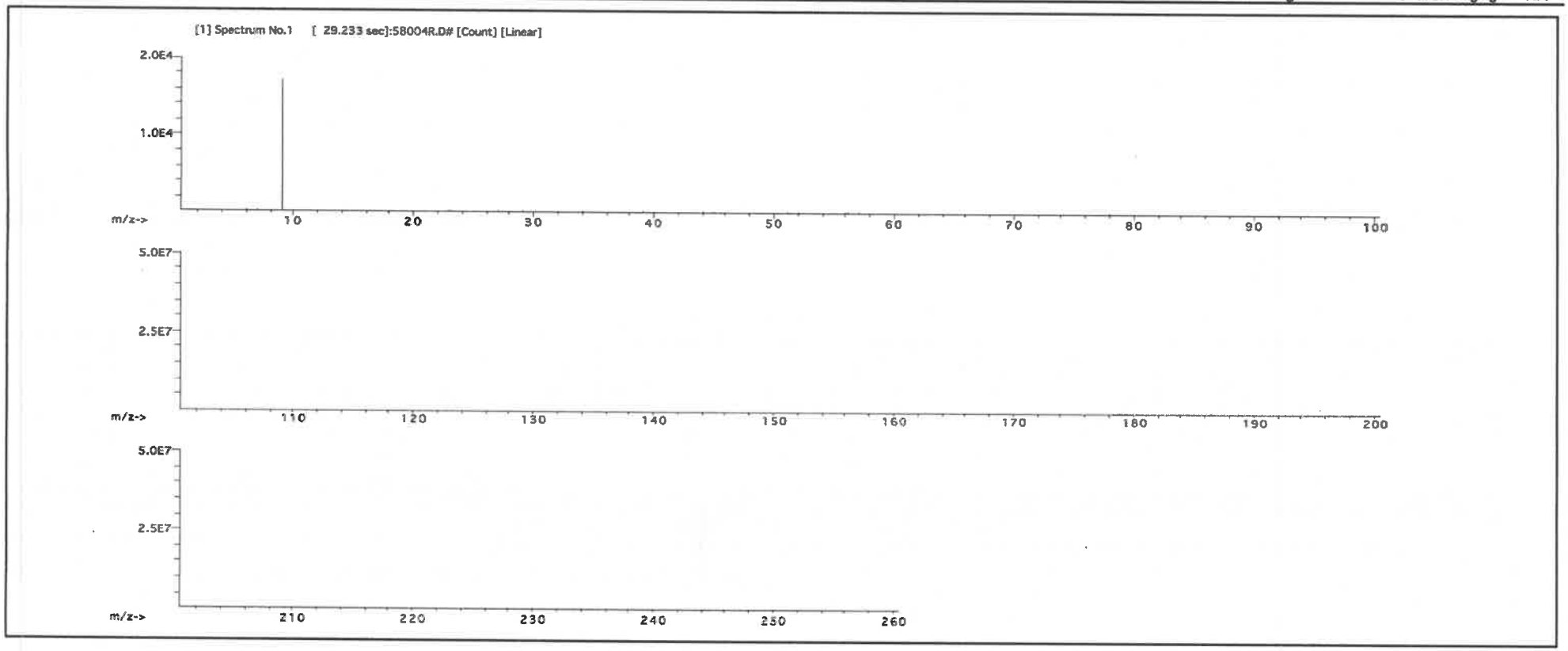
Revised

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57004**	24002546	Nitric Acid		
Lot Number:	**102523**				
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	102526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



A3667-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

Revised

987 of 1055

CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

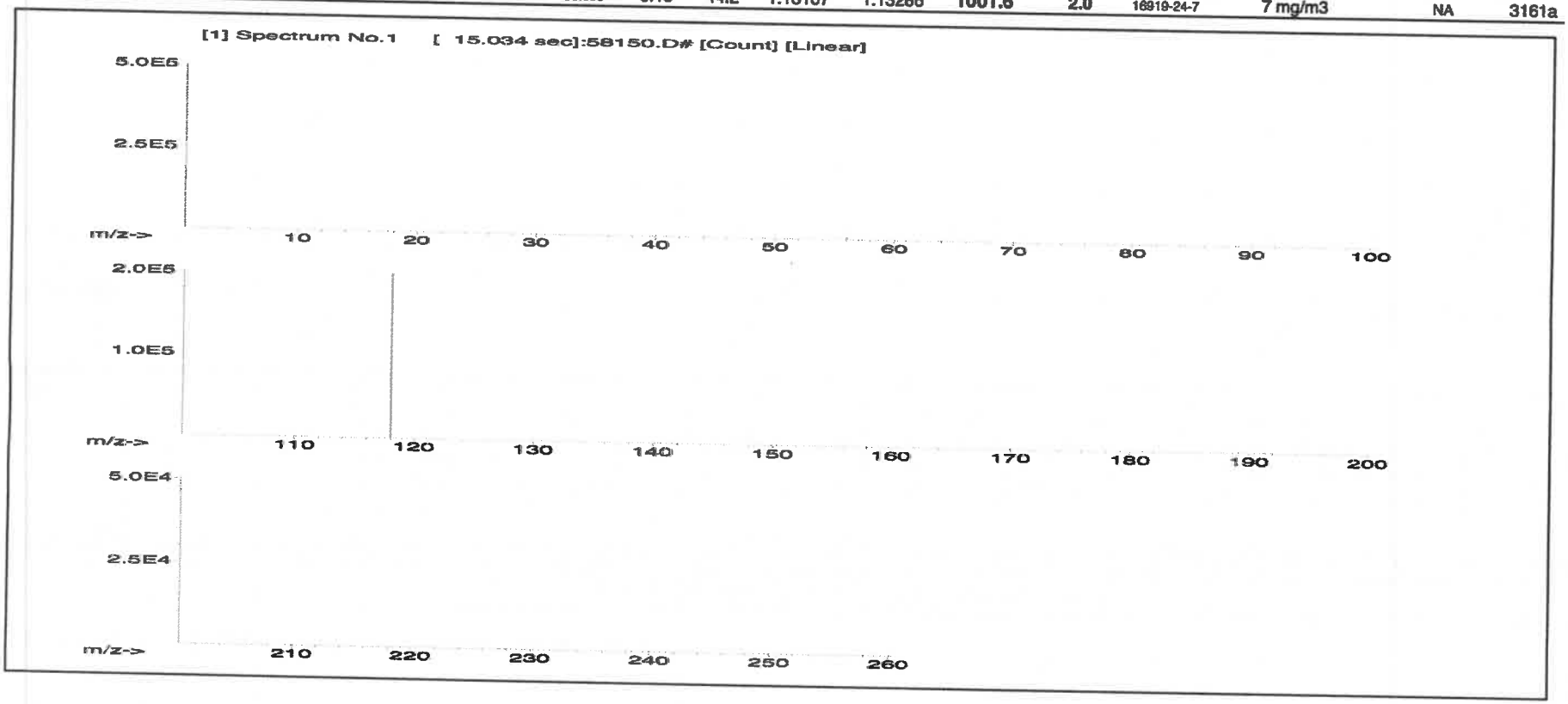
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

		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

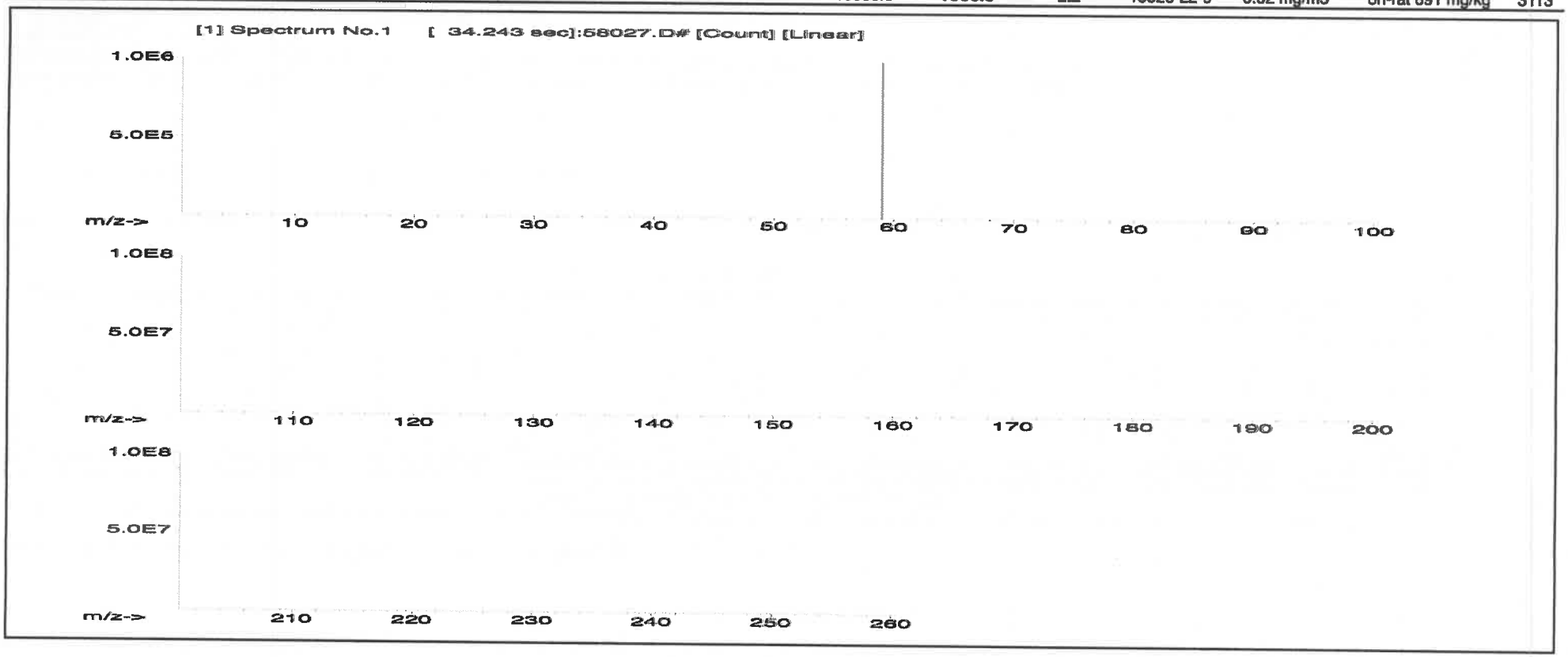
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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).

Part # **57027** Lot # **091923**

Printed: 2/8/2024, 5:01:14 PM

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5801 BH

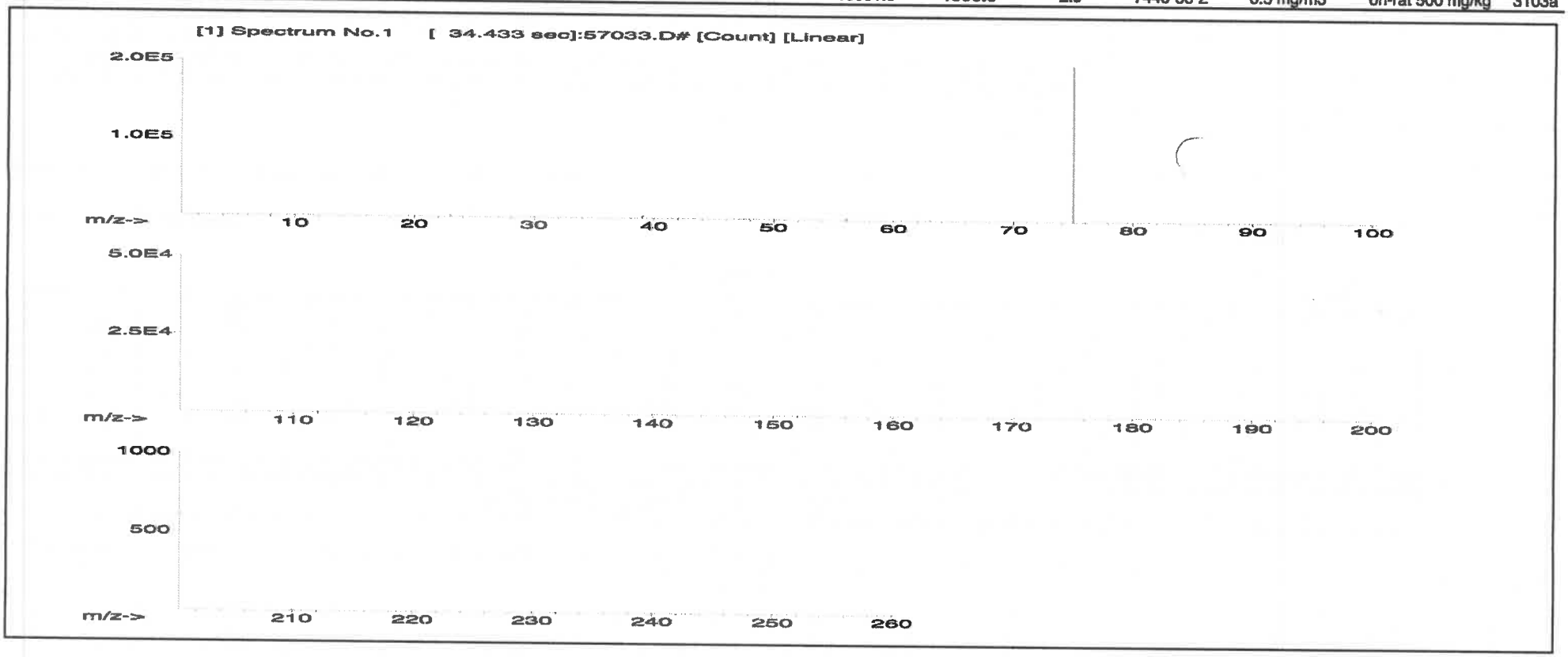
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

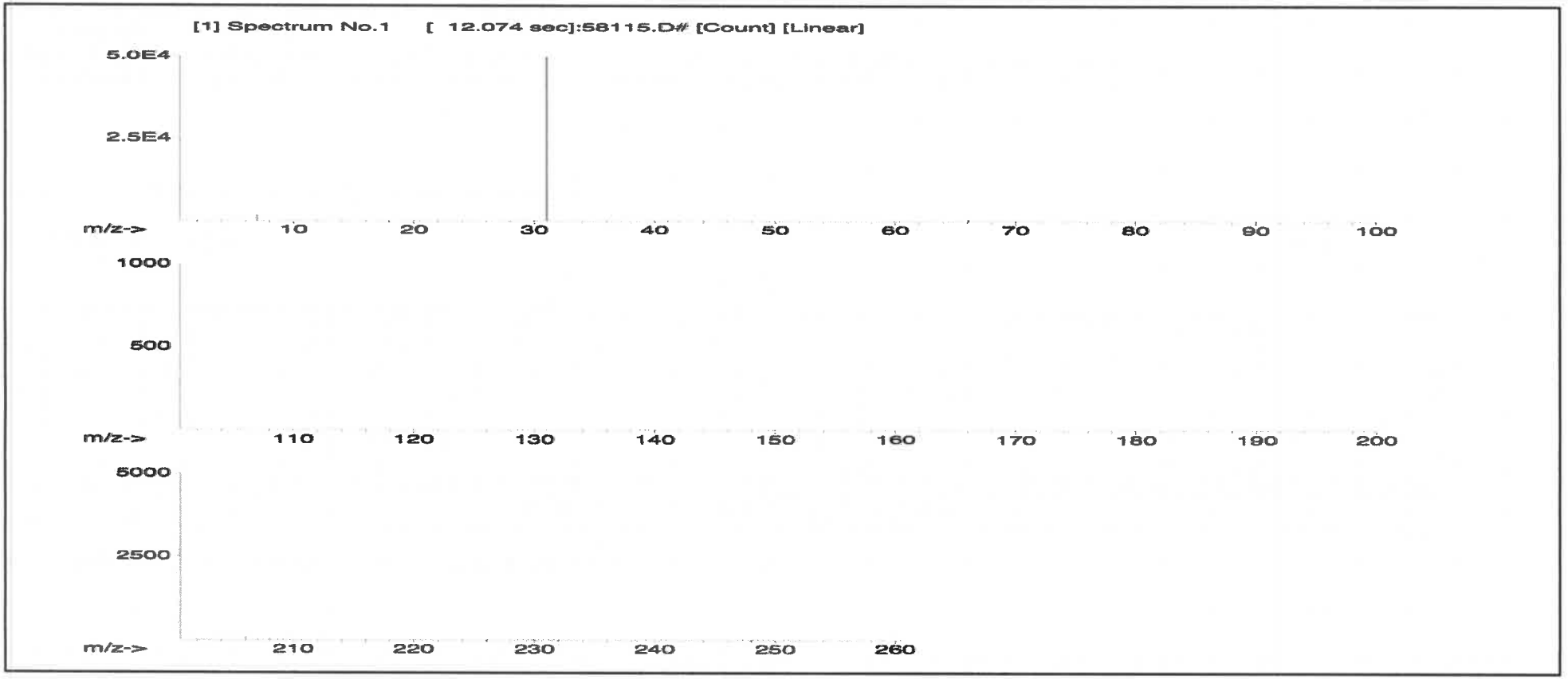
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57115**		**Solvent:**	21110221	Nitric Acid
Lot Number:	**041723**				
Description:	**Phosphorous (P)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	041726				
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):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	041723
Reviewed By:	Pedro L. Rentas	041723

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	10000	99.999	0.10	27.5	72.7287	72.7289	**10000.0**	**20.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/kg	3186



Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M5817

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised

995 of 1055

CERTIFIED WEIGHT REPORT:

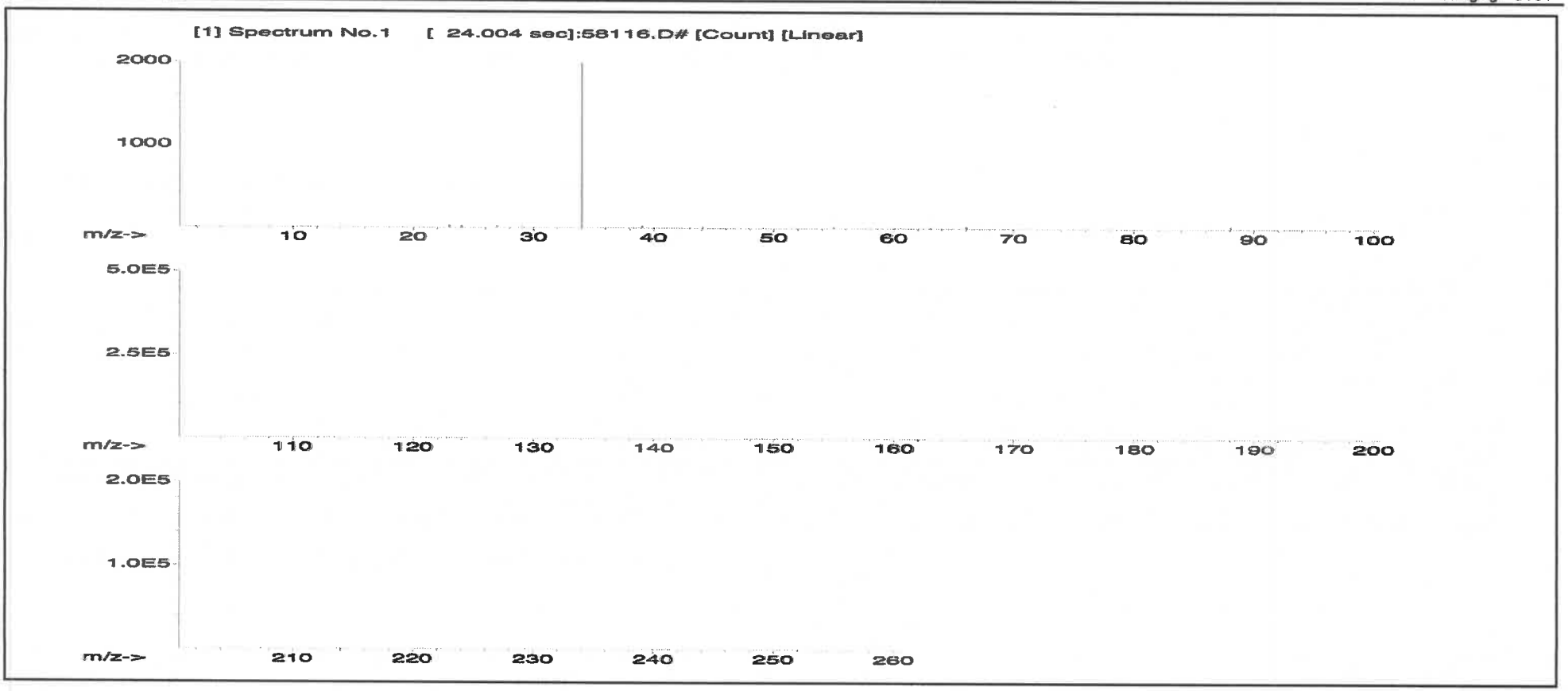
Part Number: 57116
Lot Number: 071123
Description: Sulfur (S)

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



P3467-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	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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 02/09/24 M.5818

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Revised
997 of 1055

CERTIFIED WEIGHT REPORT:

Part Number: 57014
Lot Number: 122023
Description: Silicon (Si)

Expiration Date: 122026
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1999.48 ± 0.058 Flask Uncertainty

Lot #

Solvent: 24002546 Nitric Acid

2% 40.0 (mL) Nitric Acid

5E-05 Balance Uncertainty

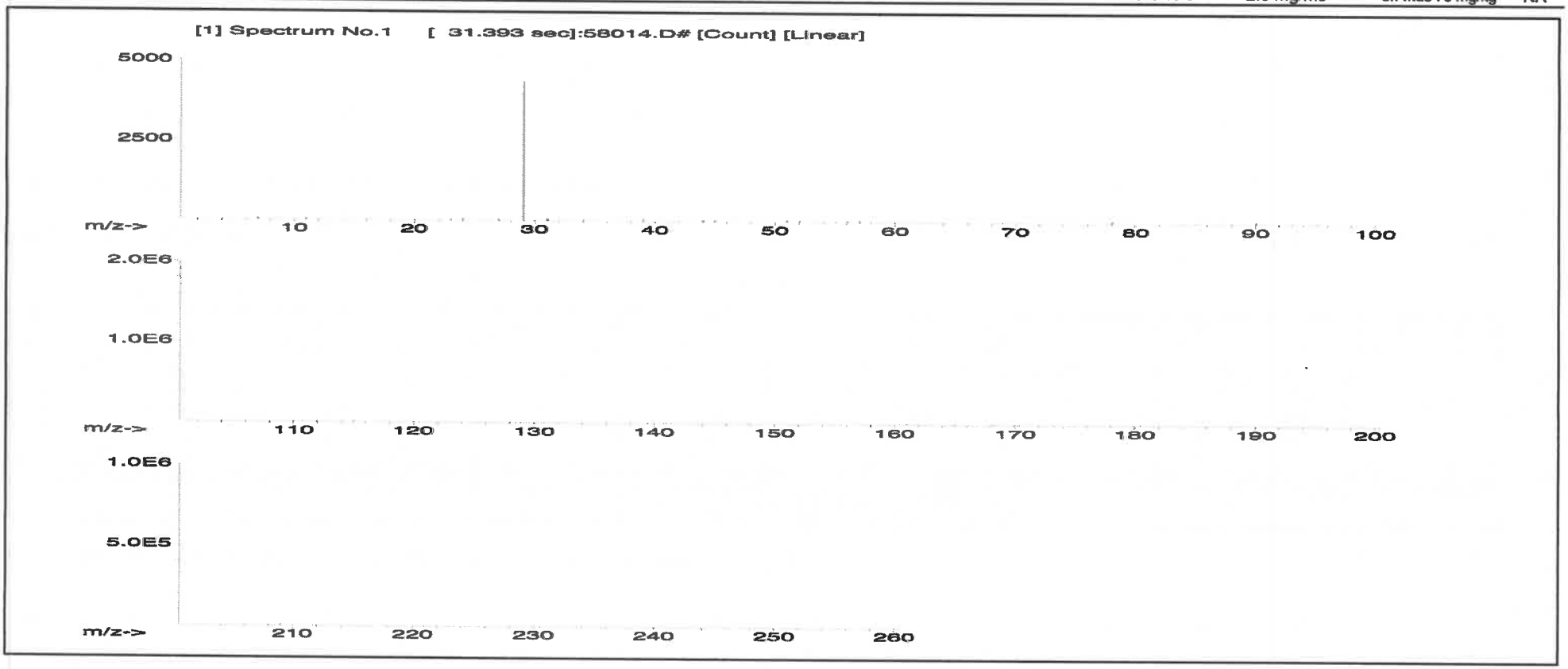
Aleah O'Brady

Formulated By:	Aleah O'Brady	122023

Pedro Rentas

Reviewed By:	Pedro L. Rentas	122023

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 hexafluorosilicate (Si)	IN009	SID082022A1	1000	99.999	0.10	14.4	13.8854	13.8855	**1000.0**	**2.0**	16919-19-0	2.5 mg/m3	orl-mus 70 mg/kg	NA



P3467-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	T	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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R: 02/09/24 M5819

CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

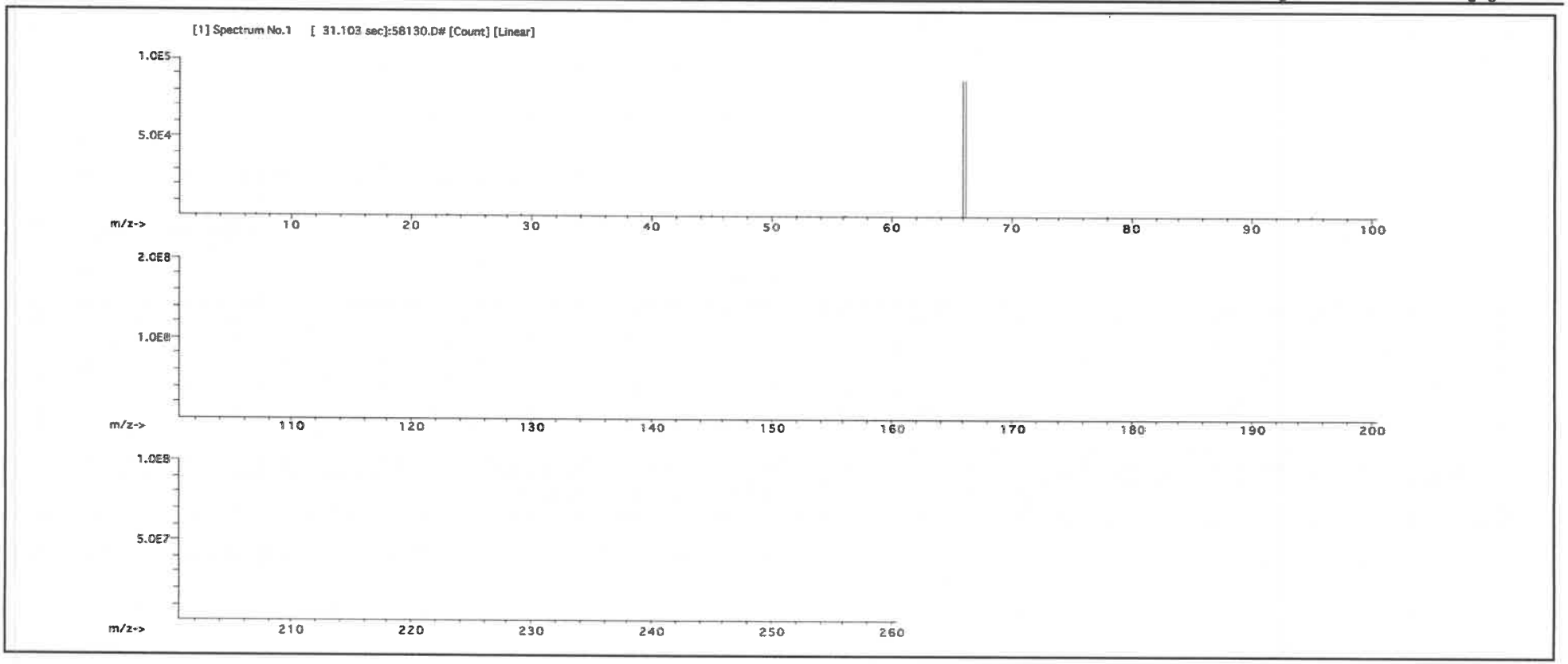
Weight shown below was diluted to (mL): 3000.4 | 0.06 Flask Uncertainty

	Lot #	
Solvent:	24002546	Nitric Acid
2%	60.0 (mL)	Nitric Acid

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	111623
Reviewed By:	Pedro L. Rentas	111623

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	12.3475	12.3502	**1000.2**	**2.0**	10196-18-6	1 mg/m3	orl-rat 1190mg/kg	3168



Revised
999 of 1055
P3467-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	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:

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).

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

MS947 MS948 MS949
MS950 MS951 MS952

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

QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

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.

MTS28-32 MB MTS53 MB 3/30/23

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

Instructions for QATS Reference Material: *Inorganic ICV Solutions*

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) *CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS*

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	CN^-	99

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5961 R: 6/11/24

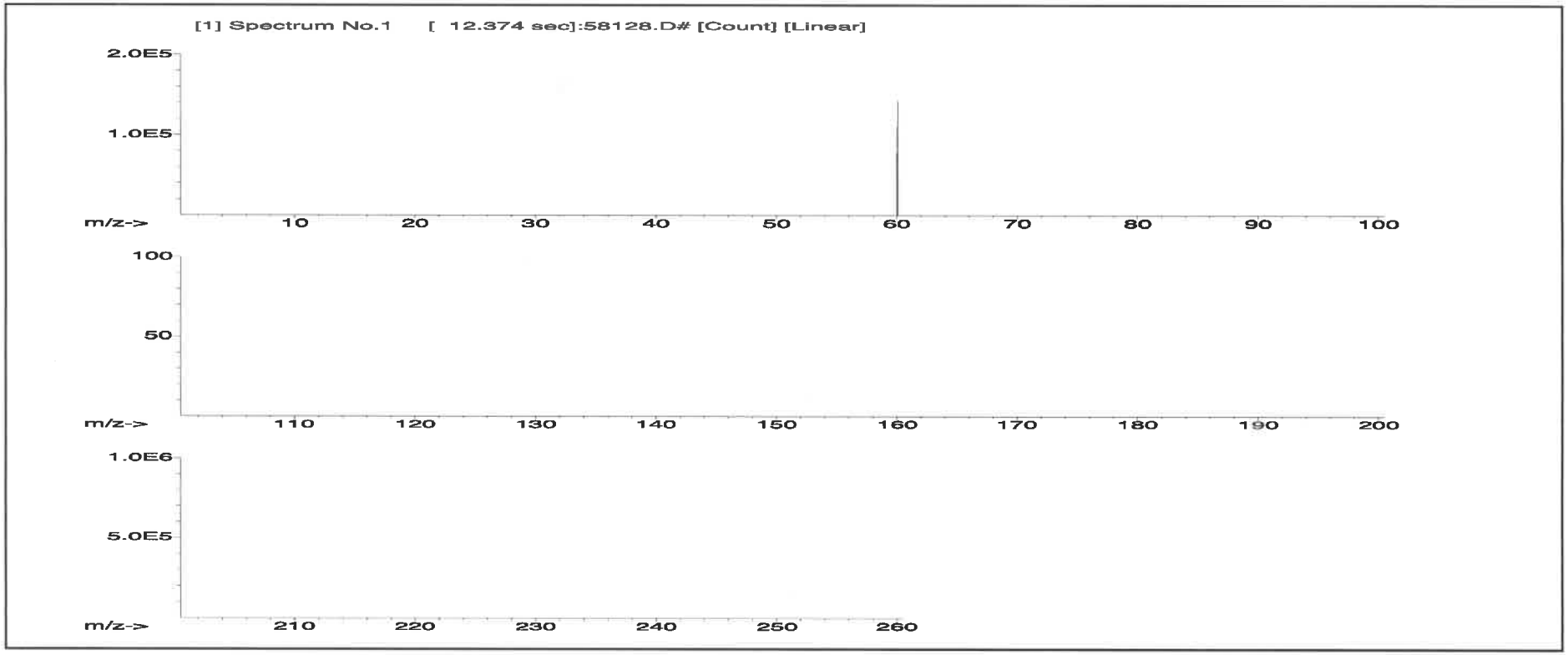
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	**57028**		**Lot #**		
Lot Number:	**041124**	**Solvent:**	24002546	Nitric Acid	
Description:	**Nickel (Ni)**				
		2%	5.0 (mL)	Nitric Acid	
Expiration Date:	041127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	249.85	0.002	Flask Uncertainty		

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	IN033	NIM052023A1	1000	99.999	0.10	20.2	1.2369	1.2369	**1000.0**	**2.0**	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



Revised
1006 of 1055
P3467-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	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.

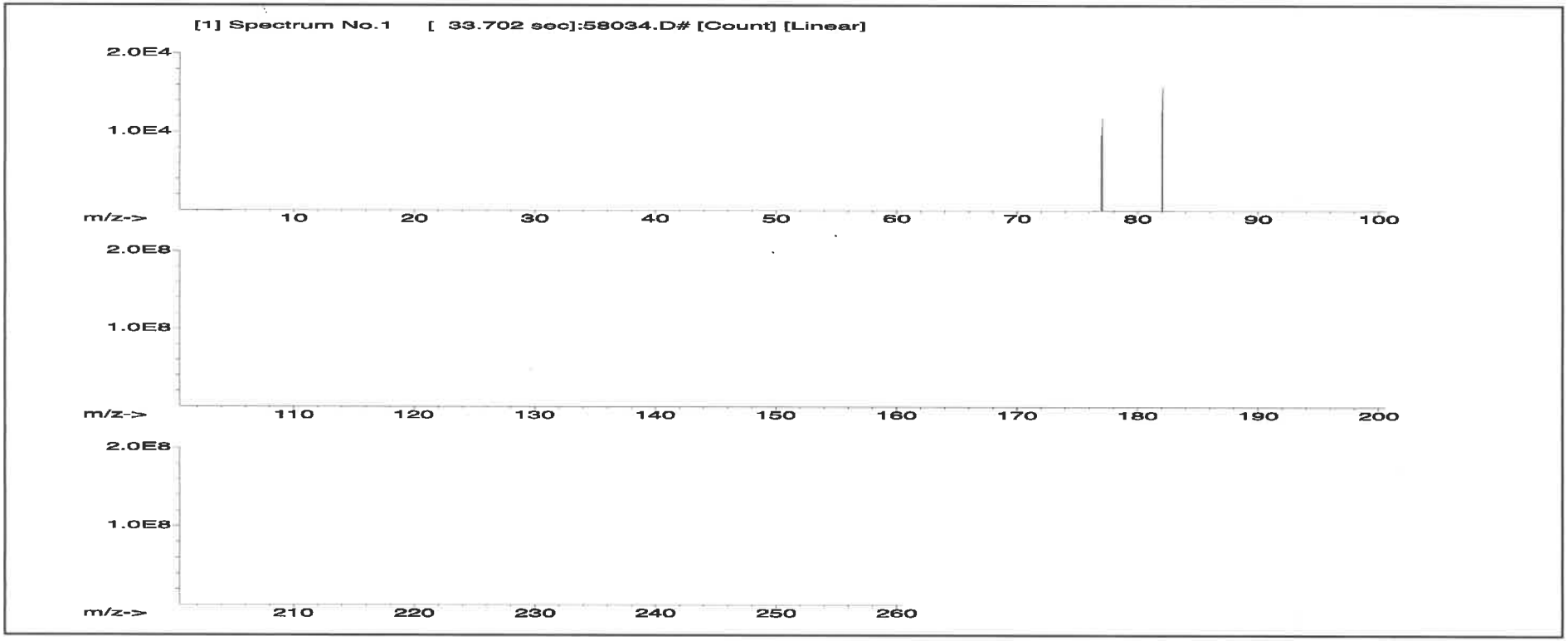
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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



Revised
1008 of 1055
P3467-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

Revised
1009 of 1055

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).

P3467-METALS

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

MS963 MS964 MS965
MS966 MS967 MS968

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
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	< 0.2 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	< 50 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.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 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	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

MS963 MS964 MS965
MS966 MS967 MS968

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.6 %
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	< 0.2 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	< 50 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.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 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	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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



M5978, M5979

Certificate of Analysis

INORGANIC VENTURES
Refine your results. Redefine your industry.

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/24

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:

$X_{CRM/RM} = \Sigma(w_i)(\bar{x}_i)$

$\bar{x}_i$ = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma(w_i)^2\ (u_{char\ i})^2)^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (\bar{x}_a)\ (u_{char\ a})$

$\bar{x}_a$ = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form In Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 for months in 1% 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=Z (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

H5981 R:6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**57092**	24002546	Nitric Acid
Lot Number:	**060724**		
Description:	**Uranium (U)**		
		2.0%	40.0 (mL) Nitric Acid
Expiration Date:	060727		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05	Balance Uncertainty
Volume shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty

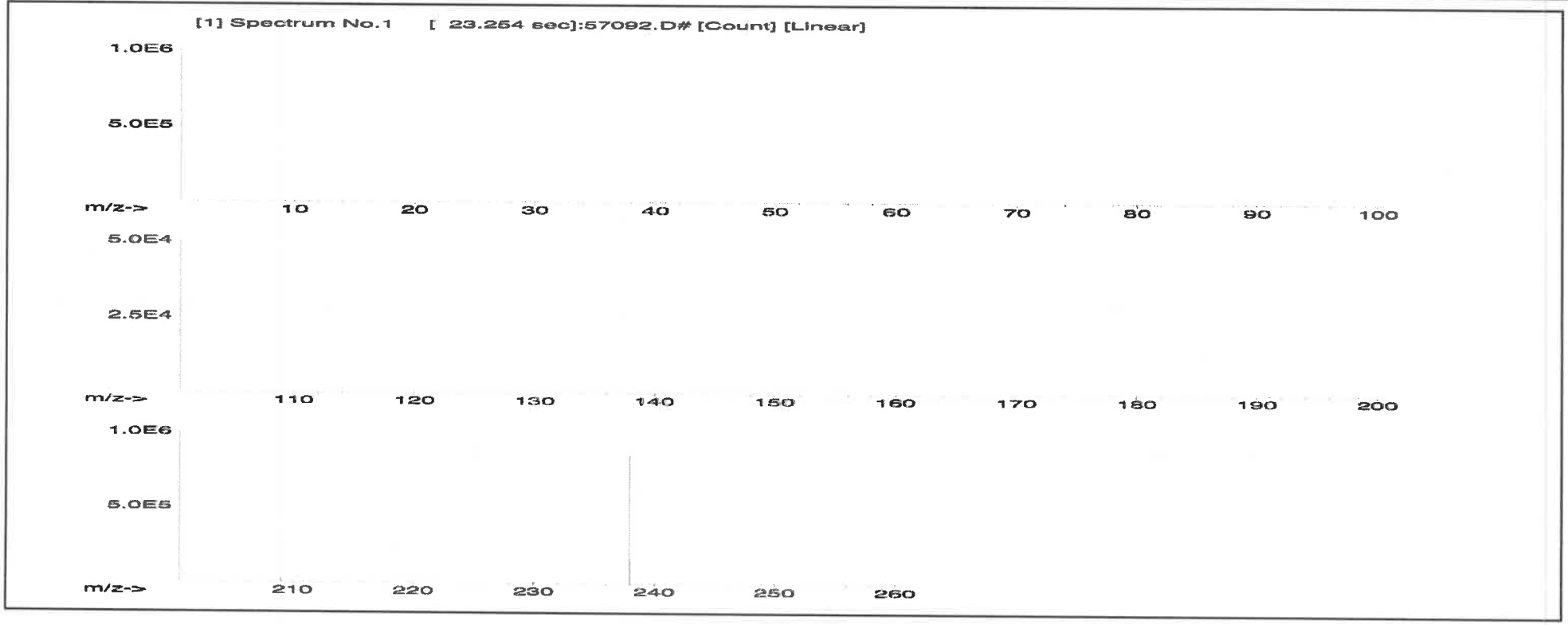
Giovanni Esposito

Formulated By:	Giovanni Esposito	060724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	060724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Uranyl nitrate hexahydrate (U)	58192	041524	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13520-83-7	0.05 mg/m3	orl-rat 1040 mg/kg	3164



P-3467-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	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).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

45982 R: 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57038
Lot Number: 031524
Description: Strontium (Sr)

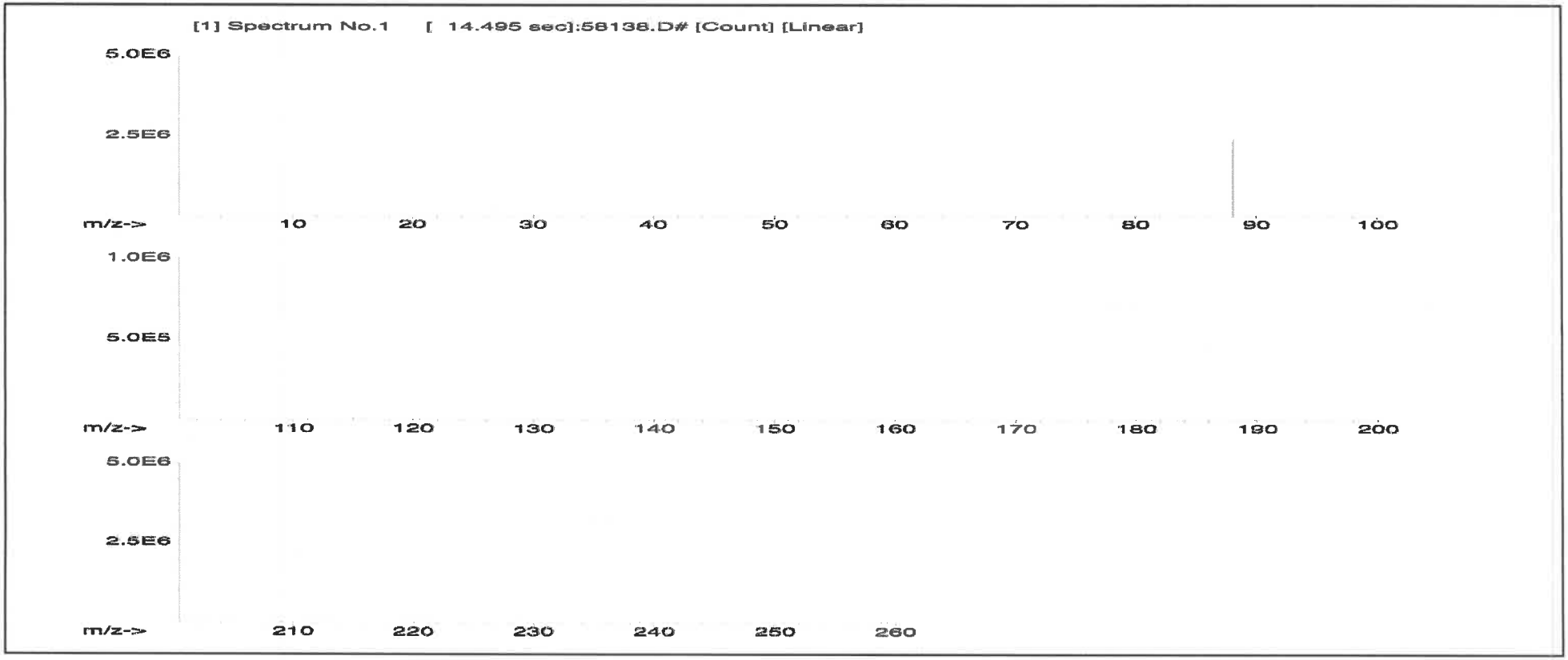
Expiration Date: 031527
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.07

	Lot #		
Solvent:	24002546	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	
5E-05	Balance Uncertainty		
0.100	Flask Uncertainty		

Formulated By: Benson Chan 031524

Reviewed By: Pedro L. Rentas 031524

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	1000	99.997	0.10	41.2	4.85470	4.85502	**1000.1**	**2.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



P-3467-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	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5983 R: 6/11/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

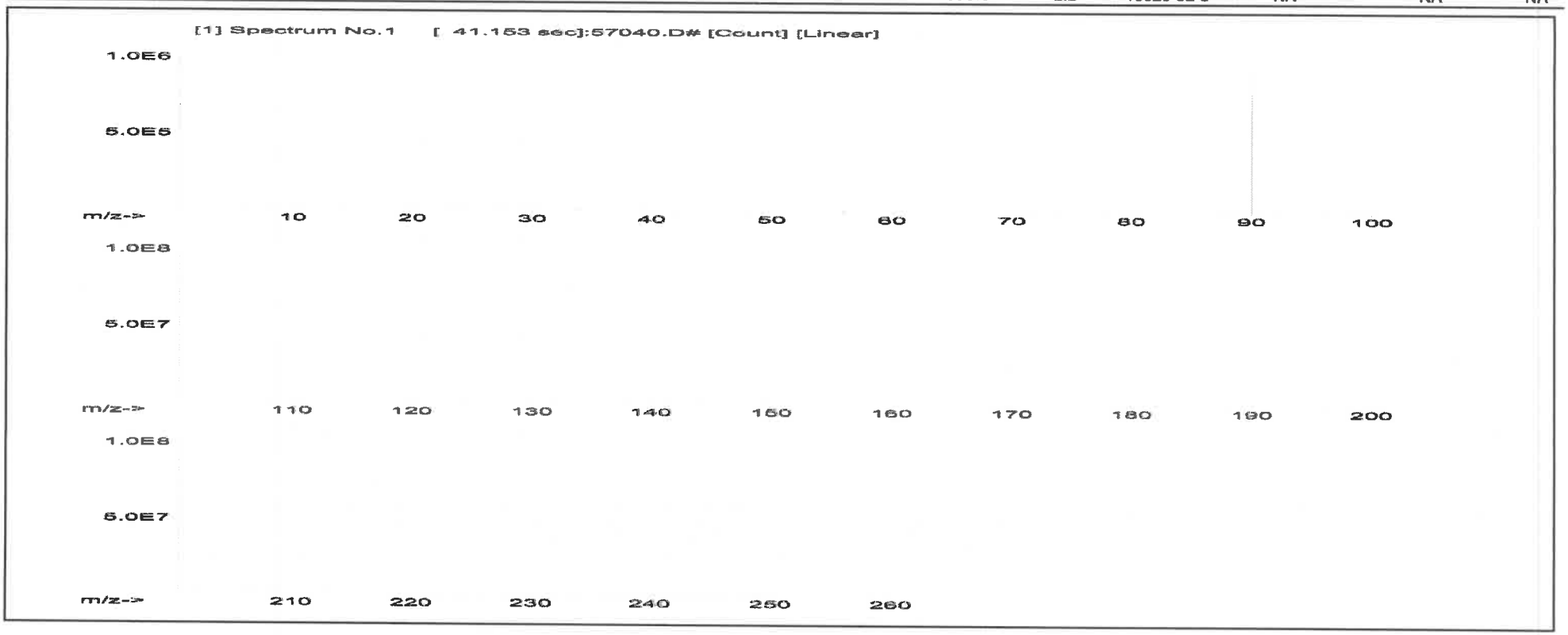
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:
Part Number:	**57040**	21110221	Nitric Acid
Lot Number:	**071423**		
Description:	**Zirconium (Zr)**		

2.0%	40.0 (mL)	Nitric Acid	Formulated By: Benson Chan	071423
			Reviewed By: Pedro L. Rentas	071423

Expiration Date:	071426		
Recommended Storage:	Ambient (20 °C)		
Nominal Concentration (µg/mL):	**1000**		
NIST Test Number:	6UTB	5E-05	Balance Uncertainty
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty

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



P3467-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	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	T

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

R: 01/03/24 M6033

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

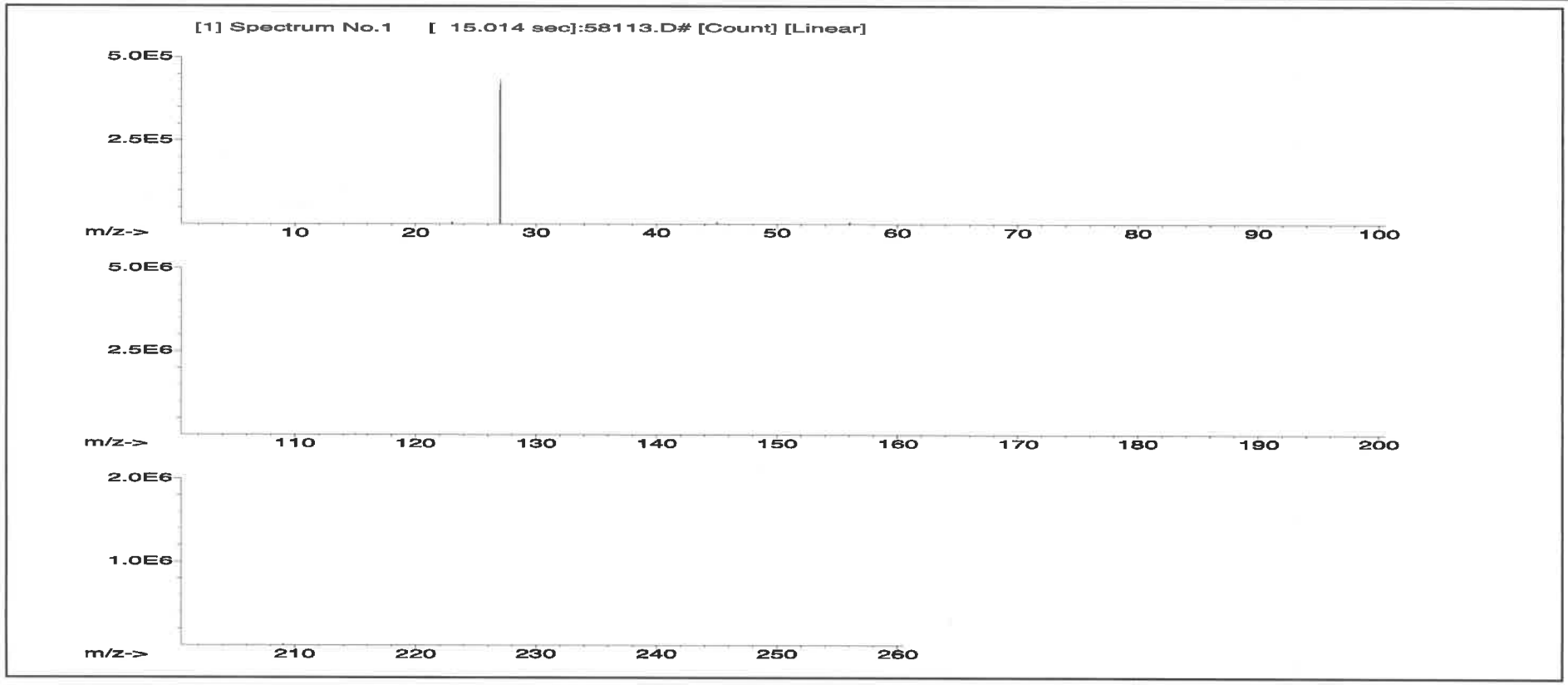
CERTIFIED WEIGHT REPORT:

Part Number:	**58113**			**Lot #**	
Lot Number:	**011623**		**Solvent:**	20510011	Nitric Acid
Description:	**Aluminum (Al)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	011626				
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):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	011623
Reviewed By:	Pedro L. Rentas	011623

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. Aluminum nitrate nonahydrate (Al)	IN022	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	**10001.1**	**20.0**	7784-27-2	2 mg/m3	orl-rat 3671 mg/kg	3101a



Revised
1030 of 1055
P3467-METALS

Nitric Acid 69%
CMOS

Recv date: 1.1.—08/01/2023

M6034, M6037
M6035, M6038,
M6036,

avantor™ | J.T.Baker®

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

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 M5806, M5807

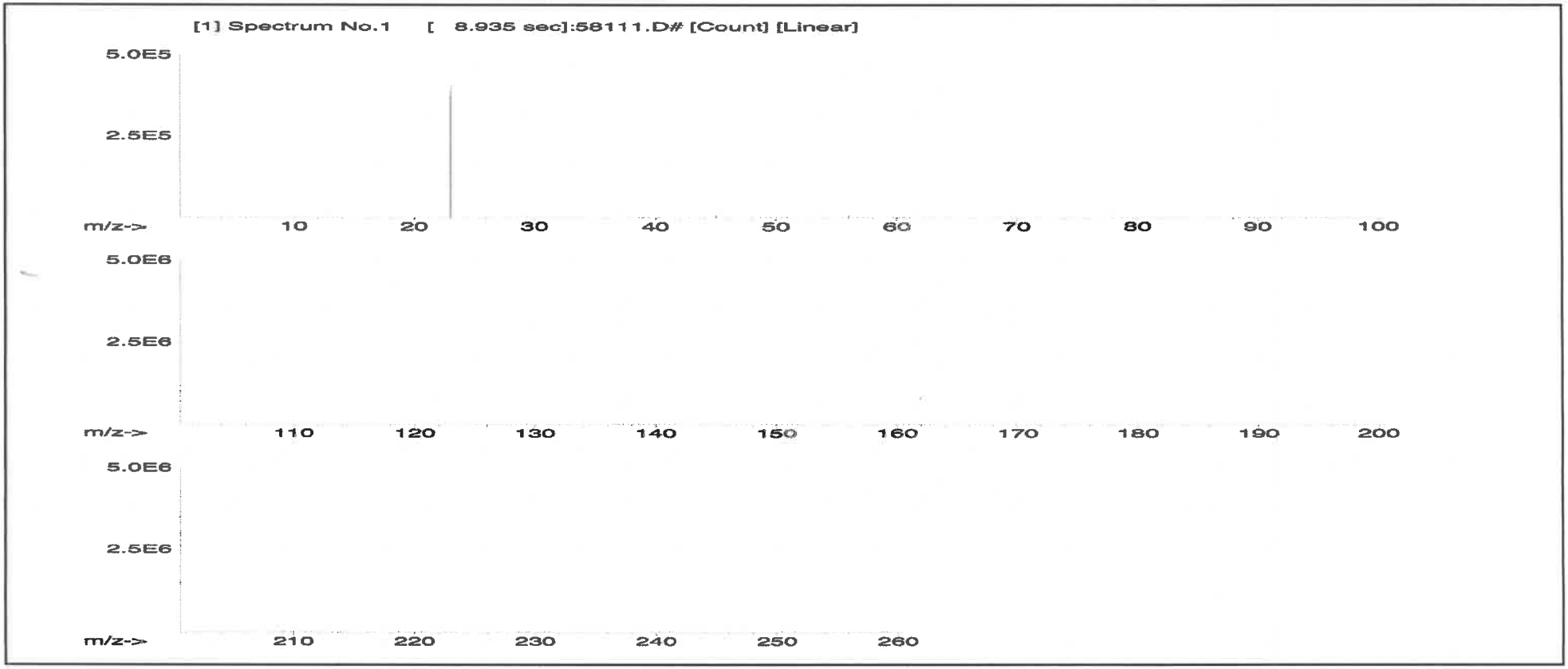
CERTIFIED WEIGHT REPORT:

		Lot #		
Part Number:	**58111**	**Solvent:**	24002546	Nitric Acid
Lot Number:	**122223**			
Description:	**Sodium (Na)**		2%	60.0 (mL) Nitric Acid
Expiration Date:	122226			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	3000.4	0.06	Flask Uncertainty	

Aleah O'Brady

Formulated By:	Aleah O'Brady	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. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	111.5406	111.5479	**10000.7**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



1034 of 1055 Revised
P3467-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	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:

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.

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:

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix**. For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

ICSA: M5873

ICSB: M5874

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

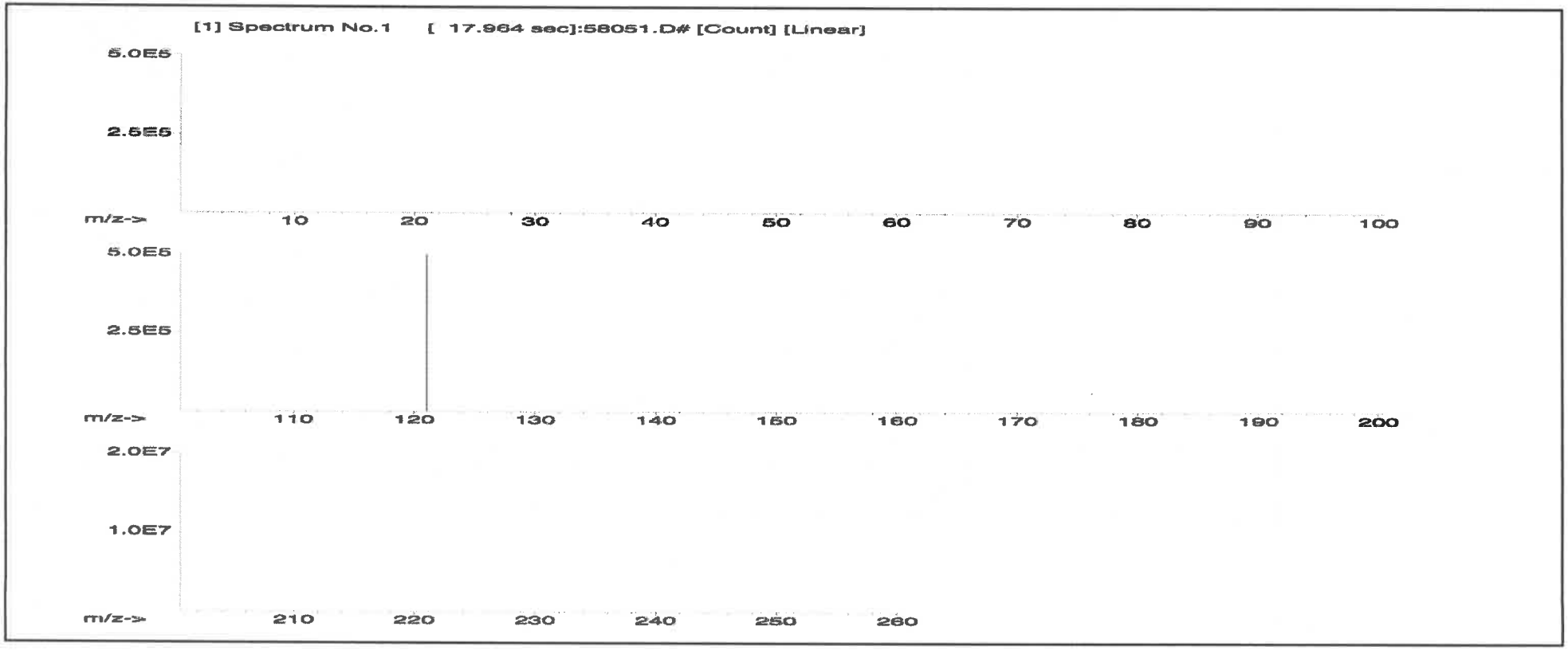
R: 01/03/24 M5802, M5803

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57051**	24002546	Nitric Acid	
Lot Number:	**120523**			
Description:	**Antimony (Sb)**			
		2.0%	60.0 (mL)	Nitric Acid
Expiration Date:	120526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	3000.41	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	120523
Reviewed By:	Pedro L. Rentas	120523

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	100923	0.1000	300.0	0.084	1000	10001.4	**1000.0**	2.1	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



Revised
1044 of 1055
P3467-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	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

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

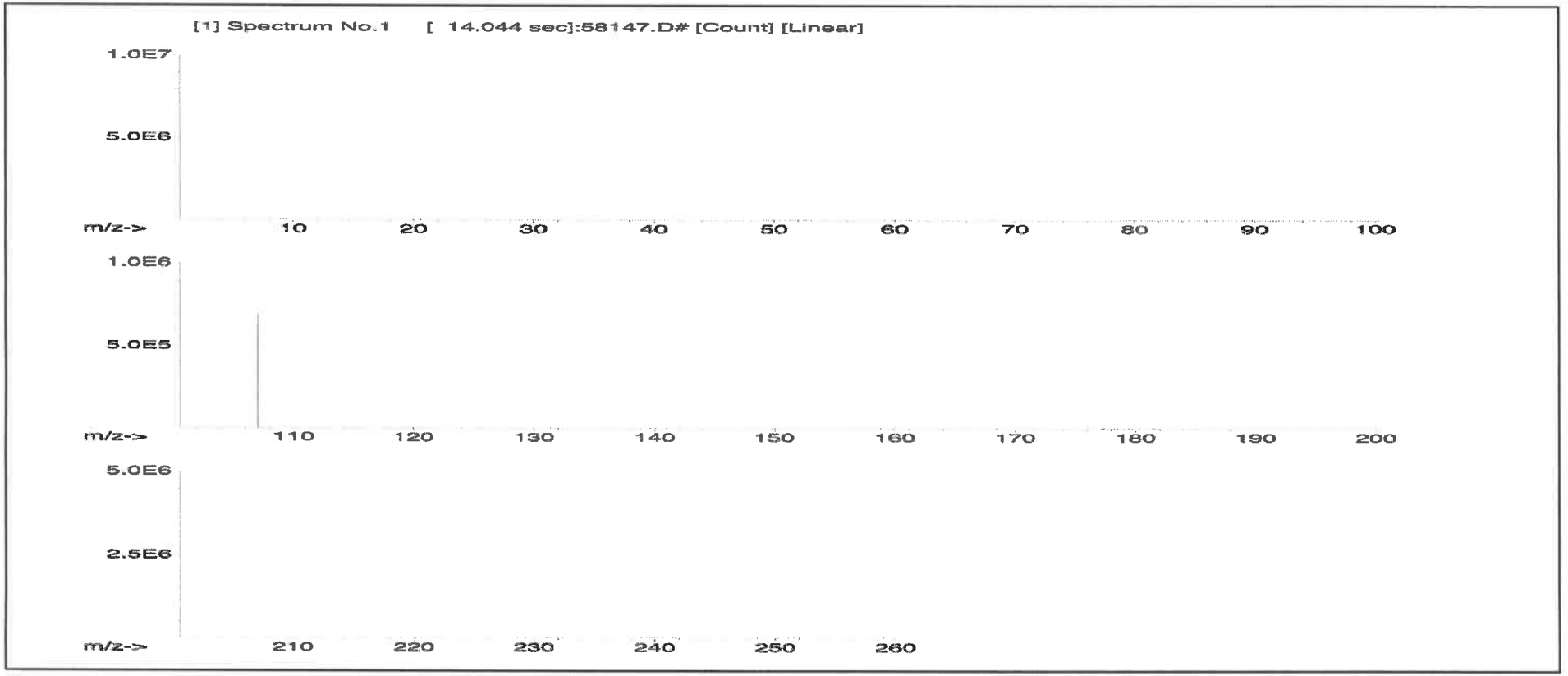
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

	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:

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: 03/16/23 M5473, M5474, M5475, M5476

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

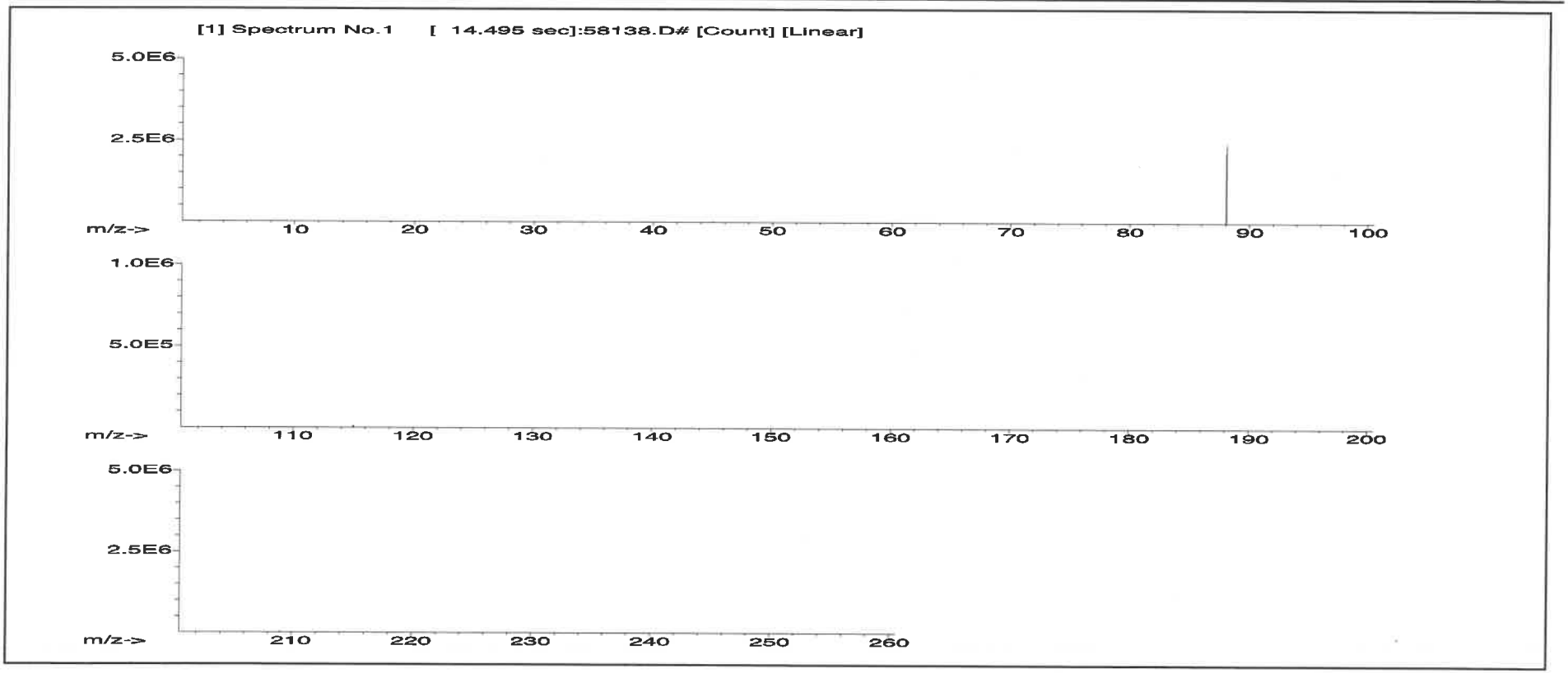
Part Number: 56138
Lot Number: 082922
Description: Strontium (Sr)
Expiration Date: 082925
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1000.12

	Lot #		
Solvent:	20510011	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Rentas	082922

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Strontium nitrate (Sr)	IN017	SRZ022018A1	10000	99.997	0.10	41.2	24.2756	24.2758	**10000.1**	**20.0**	10042-76-9	NA	orl-rat >2000mg/kg	3153a



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	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6023

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

R ! 8/5/24

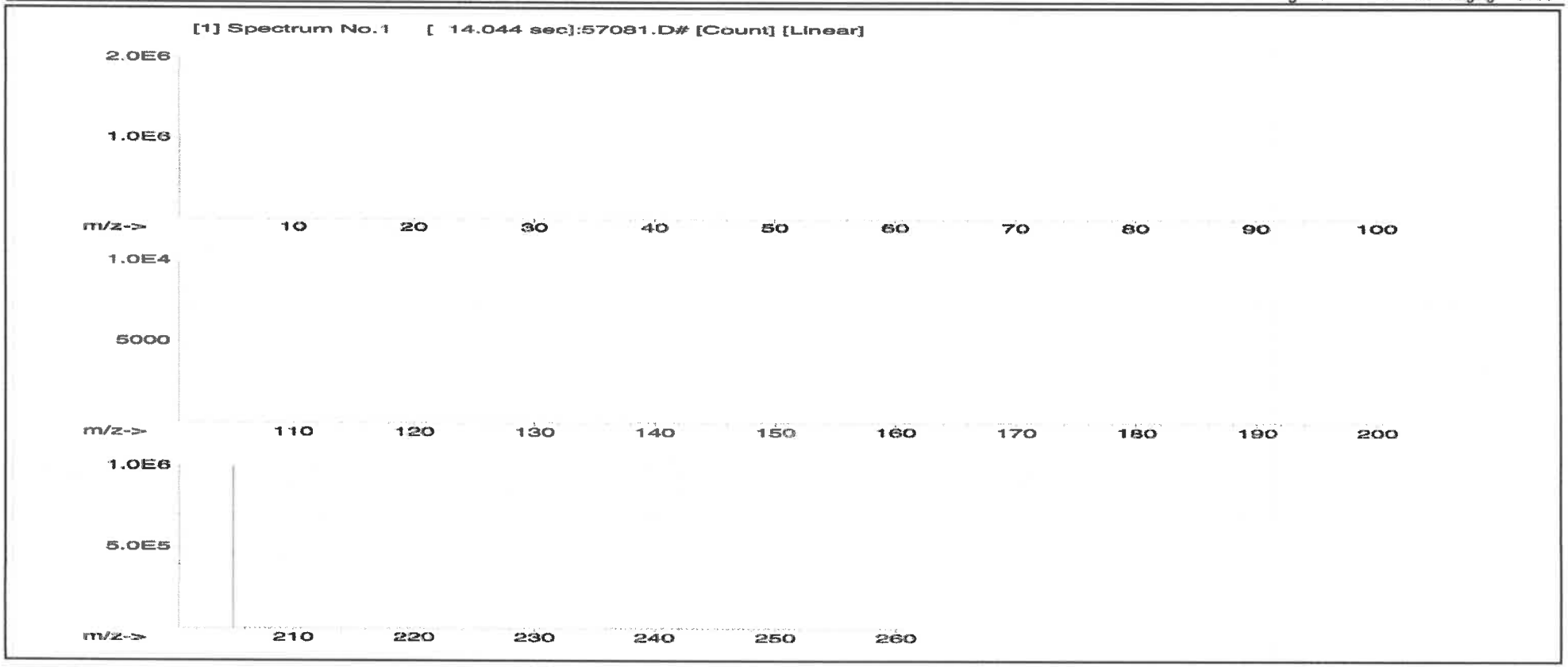
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**	2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



Revised
1050 of 1055
P3467-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	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).

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P3467
QUOTE NO.
COC Number 2041309

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yurfanic
PHONE: (201) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PFC
PROJECT NO.: D3774922 LOCATION: Painesville Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 VOCs 8260D
2 SVOCs PAHs 8270E SIM
3 Metals 6020B; Hg 7470B (CVAA) 7196A
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
								A/E	E	B/E	E					
1.	919-J-WS-080224	WS		X	8/2/24	1325	8	2	4	1	1					
2.	TB-03-080224	DI		X	8/2/24	1505	1	1								
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY:
RELINQUISHED BY SAMPLER: 1.	8/2/24 1620	1. 1620 8-2-24
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1745 8-2-24	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: See attached table for required analytes list of ECO-VOCs, ECO-SVOCs, and ECO metals
2L extra volume for SVOC + PAH analysis

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2023

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3467 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : Mary I. Murphy
Invoice Name : JACOBS Engineering Grou
Invoice Contact : Mary I. Murphy

Order Date : 8/2/2024 4:30:00 PM
Project Name : Former Schlumberger Site I
Receive DateTime : 8/2/2024 12:00:00 AM 17:45
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3467-01	919-J-WS-080224	Water	08/02/2024	13:25					
					VOCMS Group6		8260-Low		10 Bus. Days
P3467-02	TB-03-080224	Water	08/02/2024	15:05					
					VOCMS Group6		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 8-5-24 850

Received By :
Date / Time : 8/5/24 8:50

Storage Area : VOA Refridgerator Room