284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

METALS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q2488

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2488

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2488-01	RW8-SP100-20250701
Q2488-02	RW8-SP303-20250701

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:18 am, Jul 16, 2025

Date: 7/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager : Ernie Wu
Order ID # Q2488
Test Name: Metals Group4

A. Number of Samples and Date of Receipt:
2 Water samples were received on 07/02/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Metals Group4, SVOC-SIMGroup1, TDS and TSS. This data package contains results for Metals Group4.

C. Analytical Techniques:
The analysis of Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all parameters.
The Duplicate analysis met criteria for all parameters.
The Matrix Spike analysis met criteria for all parameters.
The Matrix Spike Duplicate analysis met criteria for all parameters.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

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

Signature

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2488 MATRIX: Water

METHOD: 6010D

		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.			
7.	Sample Duplicate Analysis Met QC Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
8.	Digestion Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 11:09 am, Jul 16, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2488

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: MOHAMMAD AHMED **Date:** 07/14/2025

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LAB CHRONICLE

OrderID:	Q2488	**OrderDate:**	7/2/2025 11:43:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	A42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2488-01	**RW8-SP100-20250701**	**Water**			**07/01/25**			**07/02/25**
			Metals Group4	6010D		07/07/25	07/09/25	
Q2488-02	**RW8-SP303-20250701**	**Water**			**07/01/25**			**07/02/25**
			Metals Group4	6010D		07/07/25	07/09/25	

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Hit Summary Sheet
SW-846

SDG No.:	Q2488	**Order ID:**	Q2488
Client:	Tetra Tech NUS, Inc.	**Project ID:**	NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW8-SP100-20250701									
Q2488-01	RW8-SP100-20250701	Water	Iron	1040		11.7	40.0	50.0	ug/L
Client ID : RW8-SP303-20250701									
Q2488-02	RW8-SP303-20250701	Water	Iron	109		11.7	40.0	50.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/02/25
Client Sample ID:	RW8-SP100-20250701	SDG No.:	Q2488
Lab Sample ID:	Q2488-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	1040		1	11.7	40.0	50.0	ug/L	07/07/25 10:15	07/09/25 15:10	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/02/25
Client Sample ID:	RW8-SP303-20250701	SDG No.:	Q2488
Lab Sample ID:	Q2488-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	109		1	11.7	40.0	50.0	ug/L	07/07/25 10:15	07/09/25 16:52	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

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

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	3730	4000	93	90 - 110	P	07/09/2025	10:05	LB136407

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	117	100	117	80 - 120	P	07/09/2025	10:17	LB136407

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5010	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
CCV02	Iron	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407
CCV03	Iron	4930	5000	99	90 - 110	P	07/09/2025	12:54	LB136407
CCV04	Iron	5000	5000	100	90 - 110	P	07/09/2025	14:05	LB136407
CCV05	Iron	5360	5000	107	90 - 110	P	07/09/2025	15:27	LB136407
CCV06	Iron	5080	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
CCV07	Iron	5070	5000	101	90 - 110	P	07/09/2025	17:50	LB136407
CCV08	Iron	5020	5000	100	90 - 110	P	07/09/2025	18:54	LB136407
CCV09	Iron	5050	5000	101	90 - 110	P	07/09/2025	19:48	LB136407
CCV10	Iron	5110	5000	102	90 - 110	P	07/09/2025	20:41	LB136407
CCV11	Iron	5070	5000	101	90 - 110	P	07/09/2025	21:12	LB136407

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	4100	4000	103	90 - 110	P	07/10/2025	18:39	LB136434

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	118	100	118	80 - 120	P	07/10/2025	18:51	LB136434

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5140	5000	103	90 - 110	P	07/10/2025	19:43	LB136434
CCV02	Iron	5010	5000	100	90 - 110	P	07/10/2025	20:59	LB136434
CCV03	Iron	5140	5000	103	90 - 110	P	07/10/2025	22:32	LB136434
CCV04	Iron	4890	5000	98	90 - 110	P	07/10/2025	23:29	LB136434
CCV05	Iron	4950	5000	99	90 - 110	P	07/11/2025	00:47	LB136434
CCV06	Iron	4890	5000	98	90 - 110	P	07/11/2025	01:47	LB136434
CCV07	Iron	4630	5000	93	90 - 110	P	07/11/2025	03:17	LB136434
CCV08	Iron	4780	5000	96	90 - 110	P	07/11/2025	04:18	LB136434
CCV09	Iron	4810	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
CCV10	Iron	4700	5000	94	90 - 110	P	07/11/2025	06:16	LB136434
CCV11	Iron	4700	5000	94	90 - 110	P	07/11/2025	06:43	LB136434

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	119	100	119	65 - 135	P	07/09/2025	10:26	LB136407
CRI01	Iron	116	100	116	65 - 135	P	07/10/2025	19:01	LB136434

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	25.4	+/-50	J	80.0	100	P	07/09/2025	10:22	LB136407

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	10:57	LB136407
CCB02	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	11:56	LB136407
CCB03	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	12:58	LB136407
CCB04	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	14:28	LB136407
CCB05	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	15:33	LB136407
CCB06	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	16:43	LB136407
CCB07	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	17:54	LB136407
CCB08	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	18:58	LB136407
CCB09	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	19:52	LB136407
CCB10	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	20:45	LB136407
CCB11	Iron	23.4	+/-50	U	80.0	100	P	07/09/2025	21:16	LB136407

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	80.0	100	P	07/10/2025	18:55	LB136434

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	80.0	100	P	07/10/2025	19:54	LB136434
CCB02	Iron	23.4	+/-50	U	80.0	100	P	07/10/2025	21:04	LB136434
CCB03	Iron	23.4	+/-50	U	80.0	100	P	07/10/2025	22:36	LB136434
CCB04	Iron	23.4	+/-50	U	80.0	100	P	07/10/2025	23:53	LB136434
CCB05	Iron	23.4	+/-50	U	80.0	100	P	07/11/2025	00:51	LB136434
CCB06	Iron	23.4	+/-50	U	80.0	100	P	07/11/2025	02:23	LB136434
CCB07	Iron	23.4	+/-50	U	80.0	100	P	07/11/2025	03:26	LB136434
CCB08	Iron	23.4	+/-50	U	80.0	100	P	07/11/2025	04:27	LB136434
CCB09	Iron	23.4	+/-50	U	80.0	100	P	07/11/2025	05:24	LB136434
CCB10	Iron	23.4	+/-50	U	80.0	100	P	07/11/2025	06:21	LB136434
CCB11	Iron	23.4	+/-50	U	80.0	100	P	07/11/2025	06:47	LB136434

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Instrument: P5

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168739BL		**WATER**		**Batch Number:**		**PB168739**		**Prep Date:**	**07/07/2025**	
	Iron	11.7	<25	U	40.0	50.0	P	07/11/2025	00:56	LB136434

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

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	Iron	96800	100000	97	85600	116500	07/09/2025	10:31	LB136407
ICSAB01	Iron	98200	99000	99	84400	114500	07/09/2025	10:35	LB136407
ICSA01	Iron	104000	100000	104	85600	116500	07/10/2025	19:11	LB136434
ICSAB01	Iron	98700	99000	100	84400	114500	07/10/2025	19:15	LB136434

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2488

contract: TETR06 **lab code:** ACE

matrix: Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q2512-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1720		186		1500	102		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2488

contract: TETR06 **lab code:** ACE

matrix: Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q2512-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	1760		186		1500	105		P

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Metals
- 5b -

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2512-01 **Client ID:** WATER TREATMENT DISCHARGEDU

Percent Solids for Sample: NA **Duplicate ID** Q2512-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	186		177		5		P

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

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2512-01MS **Client ID:** WATER TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Duplicate ID** Q2512-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1720		1760		2		P

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168739BS							
Iron	ug/L	1500	1680		112	87 - 115	P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

WATER TREATMENT DISCHARGEL

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **Lb No.:** lb136434 **Lab Sample ID :** Q2512-01L **SDG No.:** Q2488

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
Iron	186		202	J	9		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2488

Contract: TETR06 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168739**						
PB168739BL	PB168739BL	MB	WATER	07/07/2025	50.0	25.0	
PB168739BS	PB168739BS	LCS	WATER	07/07/2025	50.0	25.0	
Q2488-01	RW8-SP100-20250701	SAM	WATER	07/07/2025	50.0	25.0	
Q2488-02	RW8-SP303-20250701	SAM	WATER	07/07/2025	50.0	25.0	
Q2512-01DUP	WATER TREATMENT DISCHARGEDUP	DUP	WATER	07/07/2025	50.0	25.0	
Q2512-01MS	WATER TREATMENT DISCHARGEMS	MS	WATER	07/07/2025	50.0	25.0	
Q2512-01MSD	WATER TREATMENT DISCHARGEMSD	MSD	WATER	07/07/2025	50.0	25.0	

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metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: ACE **Sdg no.:** Q2488

Instrument id number: **Method:** **Run number:** LB136407

Start date: 07/09/2025 **End date:** 07/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0939	Fe
S1	S1	1	0944	Fe
S2	S2	1	0948	Fe
S3	S3	1	0952	Fe
S4	S4	1	0957	Fe
S5	S5	1	1001	Fe
ICV01	ICV01	1	1005	Fe
LLICV01	LLICV01	1	1017	Fe
ICB01	ICB01	1	1022	Fe
CRI01	CRI01	1	1026	Fe
ICSA01	ICSA01	1	1031	Fe
ICSAB01	ICSAB01	1	1035	Fe
CCV01	CCV01	1	1048	Fe
CCB01	CCB01	1	1057	Fe
CCV02	CCV02	1	1147	Fe
CCB02	CCB02	1	1156	Fe
CCV03	CCV03	1	1254	Fe
CCB03	CCB03	1	1258	Fe
CCV04	CCV04	1	1405	Fe
CCB04	CCB04	1	1428	Fe
Q2488-01	RW8-SP100-20250701	1	1510	Fe
CCV05	CCV05	1	1527	Fe
CCB05	CCB05	1	1533	Fe
CCV06	CCV06	1	1639	Fe
CCB06	CCB06	1	1643	Fe
Q2488-02	RW8-SP303-20250701	1	1652	Fe
CCV07	CCV07	1	1750	Fe
CCB07	CCB07	1	1754	Fe
CCV08	CCV08	1	1854	Fe
CCB08	CCB08	1	1858	Fe
CCV09	CCV09	1	1948	Fe
CCB09	CCB09	1	1952	Fe
CCV10	CCV10	1	2041	Fe
CCB10	CCB10	1	2045	Fe
CCV11	CCV11	1	2112	Fe
CCB11	CCB11	1	2116	Fe

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metals
- 14 -
ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

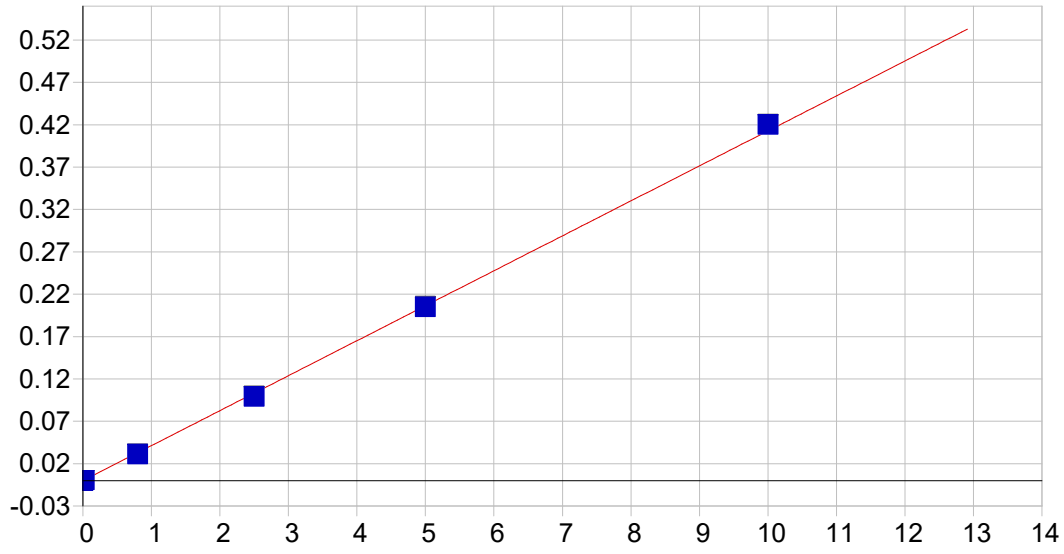
Lab code: ACE **Sdg no.:** Q2488

Instrument id number: **Method:** **Run number:** LB136434

Start date: 07/10/2025 **End date:** 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1646	Fe
S1	S1	1	1650	Fe
S2	S2	1	1655	Fe
S3	S3	1	1659	Fe
S4	S4	1	1703	Fe
S5	S5	1	1707	Fe
ICV01	ICV01	1	1839	Fe
LLICV01	LLICV01	1	1851	Fe
ICB01	ICB01	1	1855	Fe
CRI01	CRI01	1	1901	Fe
ICSA01	ICSA01	1	1911	Fe
ICSAB01	ICSAB01	1	1915	Fe
CCV01	CCV01	1	1943	Fe
CCB01	CCB01	1	1954	Fe
CCV02	CCV02	1	2059	Fe
CCB02	CCB02	1	2104	Fe
Q2512-01DUP	WATER TREATMENT DISCHA	1	2127	Fe
Q2512-01L	WATER TREATMENT DISCHA	5	2136	Fe
Q2512-01MS	WATER TREATMENT DISCHA	1	2150	Fe
Q2512-01MSD	WATER TREATMENT DISCHA	1	2159	Fe
CCV03	CCV03	1	2232	Fe
CCB03	CCB03	1	2236	Fe
CCV04	CCV04	1	2329	Fe
CCB04	CCB04	1	2353	Fe
CCV05	CCV05	1	0047	Fe
CCB05	CCB05	1	0051	Fe
PB168739BL	PB168739BL	1	0056	Fe
PB168739BS	PB168739BS	1	0100	Fe
CCV06	CCV06	1	0147	Fe
CCB06	CCB06	1	0223	Fe
CCV07	CCV07	1	0317	Fe
CCB07	CCB07	1	0326	Fe
CCV08	CCV08	1	0418	Fe
CCB08	CCB08	1	0427	Fe
CCV09	CCV09	1	0519	Fe
CCB09	CCB09	1	0524	Fe
CCV10	CCV10	1	0616	Fe
CCB10	CCB10	1	0621	Fe
CCV11	CCV11	1	0643	Fe
CCB11	CCB11	1	0647	Fe

METAL
RAW DATA

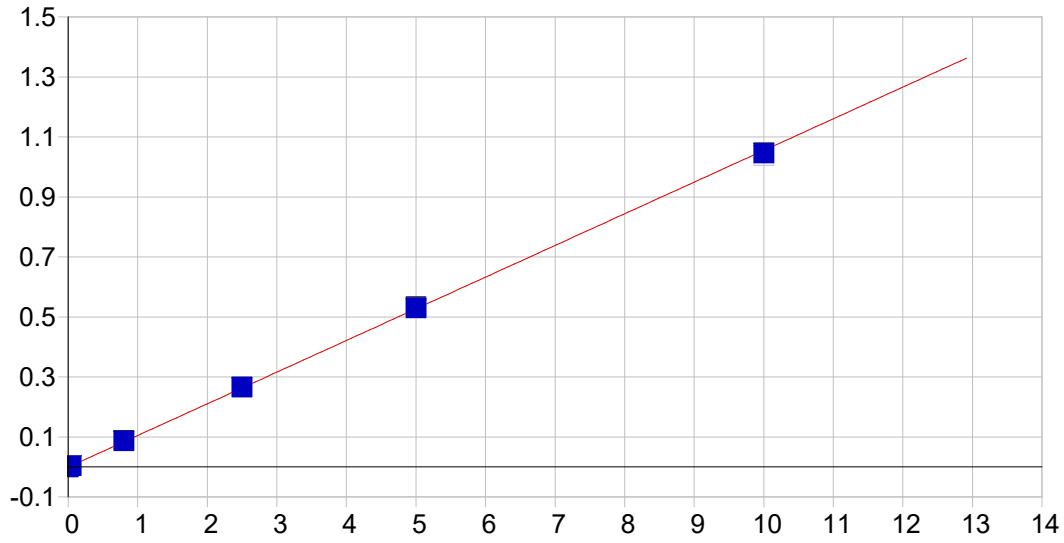


As 189.042 {479}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000031	Re-Slope:	1.000000
A1 (Gain):	0.041275	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999686	Status:	OK.
Std Error of Est:	0.000024		
Predicted MDL:	0.003519		
Predicted MQL:	0.011730		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00003	.000	1
S1	.02000	.01391	-.006	-30.4	.00054	.000	1
S2	.80000	.75590	-.044	-5.51	.03116	.000	1
S3	2.5000	2.4043	-.096	-3.83	.09919	.000	1
S4	5.0000	4.9640	-.036	-.720	.20483	.001	1
S5	10.000	10.182	.182	1.82	.42016	.000	1

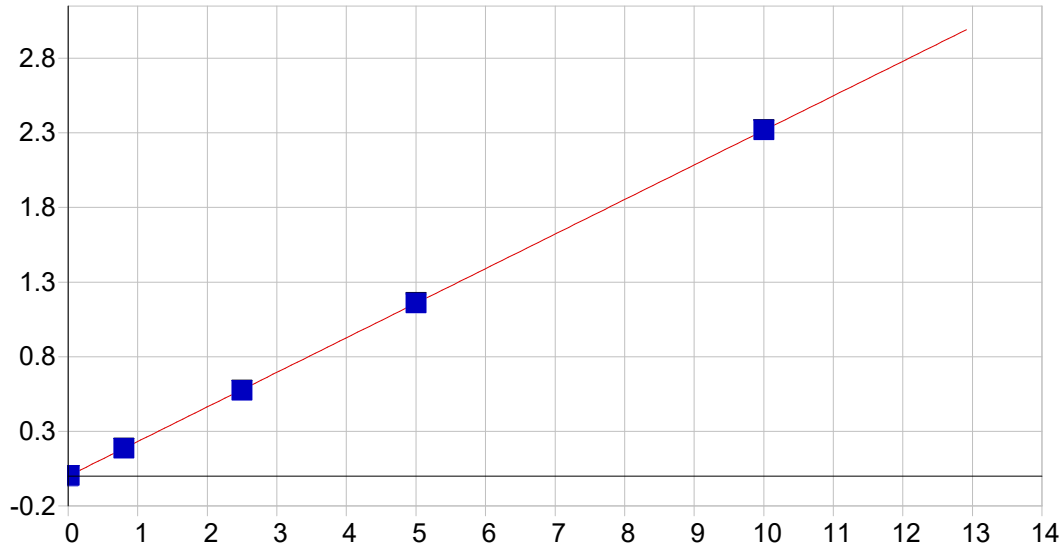


Tl 190.856 {477}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000776	Re-Slope:	1.000000
A1 (Gain):	0.105565	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999941	Status:	OK.
Std Error of Est:	0.000038		
Predicted MDL:	0.002260		
Predicted MQL:	0.007532		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00078	.000	1
S1	.04000	.04033	.000	.831	.00338	.000	1
S2	.80000	.82692	.027	3.36	.08586	.000	1
S3	2.5000	2.5234	.023	.935	.26354	.001	1
S4	5.0000	5.0357	.036	.714	.52669	.002	1
S5	10.000	9.9137	-.086	-.863	1.0375	.001	1

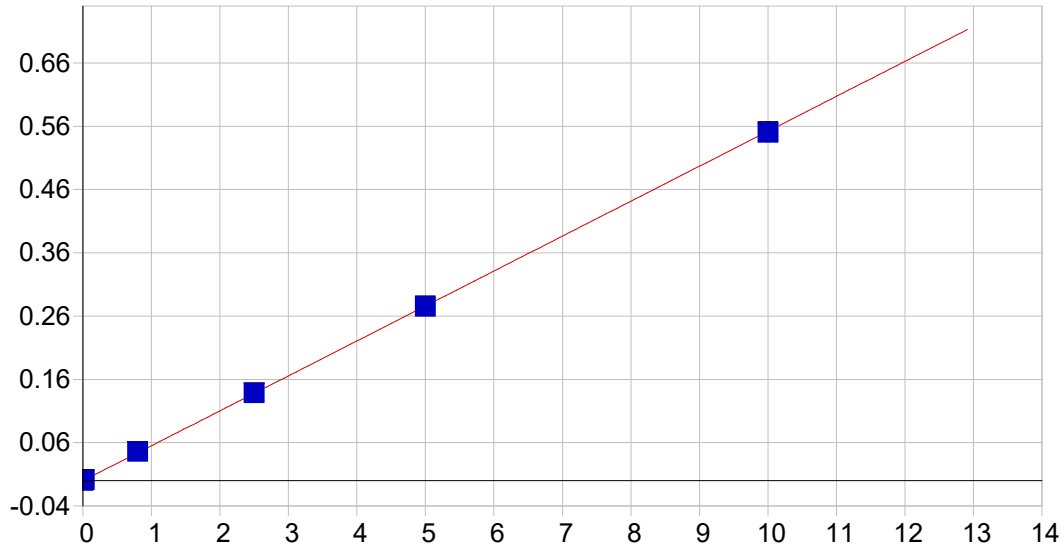


Pb 220.353 {453}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000120	Re-Slope:	1.000000
A1 (Gain):	0.231650	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999993	Status:	OK.
Std Error of Est:	0.000016		
Predicted MDL:	0.002079		
Predicted MQL:	0.006931		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00012	.000	1
S1	.01200	.01142	-.001	-4.82	.00271	.000	1
S2	.80000	.80189	.002	.236	.18571	.000	1
S3	2.5000	2.4777	-.022	-.894	.57355	.002	1
S4	5.0000	5.0032	.003	.064	1.1581	.005	1
S5	10.000	10.018	.018	.178	2.3187	.002	1

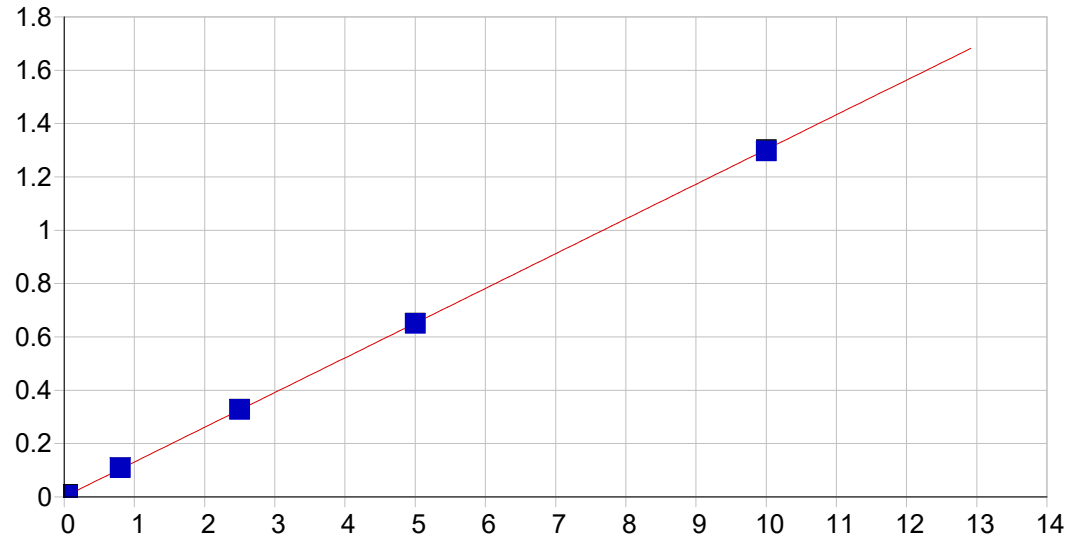


Se 196.090 {472}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000216	Re-Slope:	1.000000
A1 (Gain):	0.055233	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999931	Status:	OK.
Std Error of Est:	0.000015		
Predicted MDL:	0.005271		
Predicted MQL:	0.017571		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00022	.000	1
S1	.02000	.02390	.004	19.5	.00110	.000	1
S2	.80000	.83442	.034	4.30	.04585	.000	1
S3	2.5000	2.5143	.014	.572	.13858	.001	1
S4	5.0000	4.9841	-.016	-.319	.27491	.001	1
S5	10.000	9.9633	-.037	-.367	.54977	.001	1

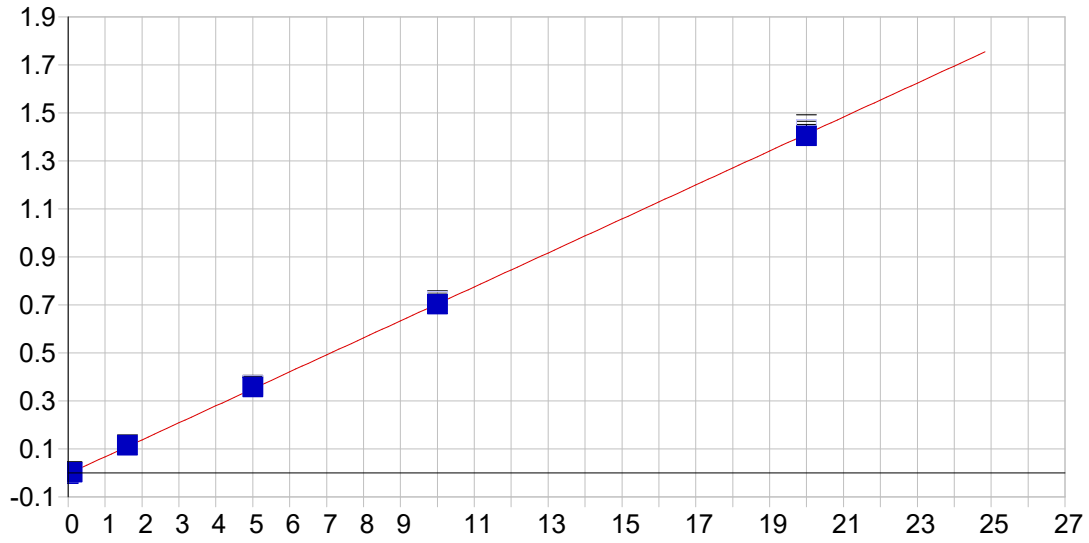


Sb 206.833 {463}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000681	Re-Slope:	1.000000
A1 (Gain):	0.130192	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999946	Status:	OK.
Std Error of Est:	0.000050		
Predicted MDL:	0.003114		
Predicted MQL:	0.010381		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00068	.000	1
S1	.05000	.05278	.003	5.57	.00748	.000	1
S2	.80000	.83586	.036	4.48	.10935	.001	1
S3	2.5000	2.5102	.010	.408	.32700	.001	1
S4	5.0000	4.9882	-.012	-.237	.64912	.001	1
S5	10.000	9.9630	-.037	-.370	1.2958	.004	1

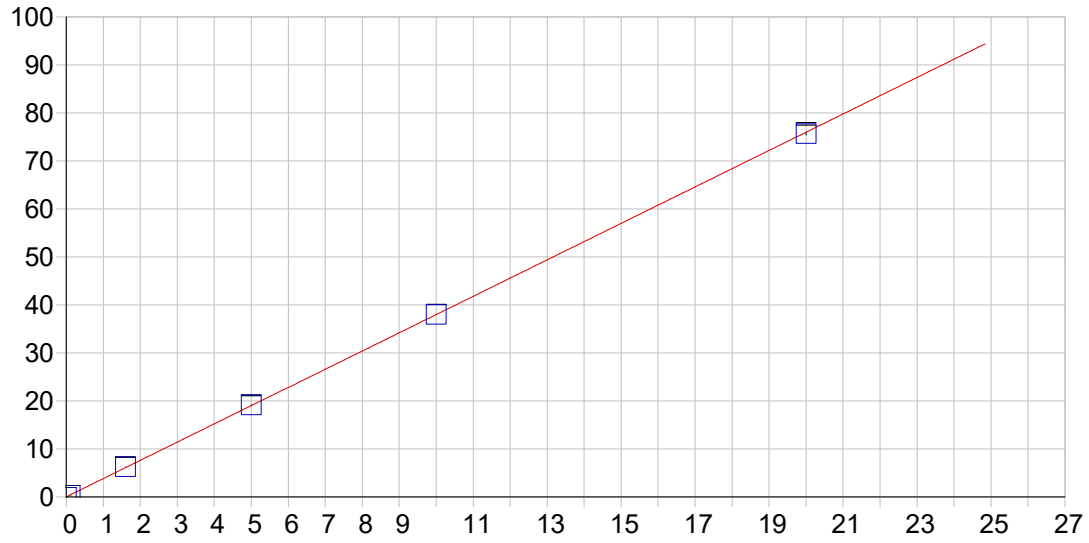


Al 396.152 { 85}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003614	Re-Slope:	1.000000
A1 (Gain):	0.070786	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999910	Status:	OK.
Std Error of Est:	0.000072		
Predicted MDL:	0.034593		
Predicted MQL:	0.115310		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00361	.000	1
S1	.10000	.08608	-.014	-13.9	.00301	.002	1
S2	1.6000	1.6617	.062	3.86	.11612	.002	1
S3	5.0000	5.0956	.096	1.91	.36367	.002	1
S4	10.000	9.9693	-.031	-.307	.71525	.002	1
S5	20.000	19.888	-.112	-.560	1.4305	.020	1

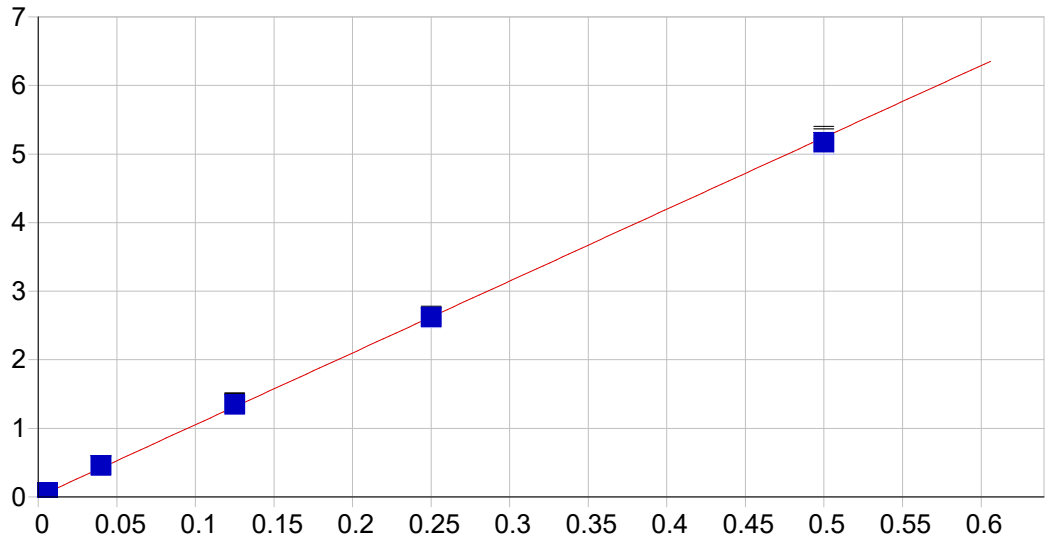


Ba 493.409 { 68}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.009772	Re-Slope:	1.000000
A1 (Gain):	3.798333	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.001865		
Predicted MDL:	0.001150		
Predicted MQL:	0.003834		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00977	.004	1
S1	.10000	.09866	-.001	-1.34	.38453	.002	1
S2	1.6000	1.6425	.043	2.66	6.2486	.017	1
S3	5.0000	5.0276	.028	.551	19.106	.073	1
S4	10.000	10.009	.009	.088	38.027	.048	1
S5	20.000	19.922	-.078	-.388	75.682	.271	1

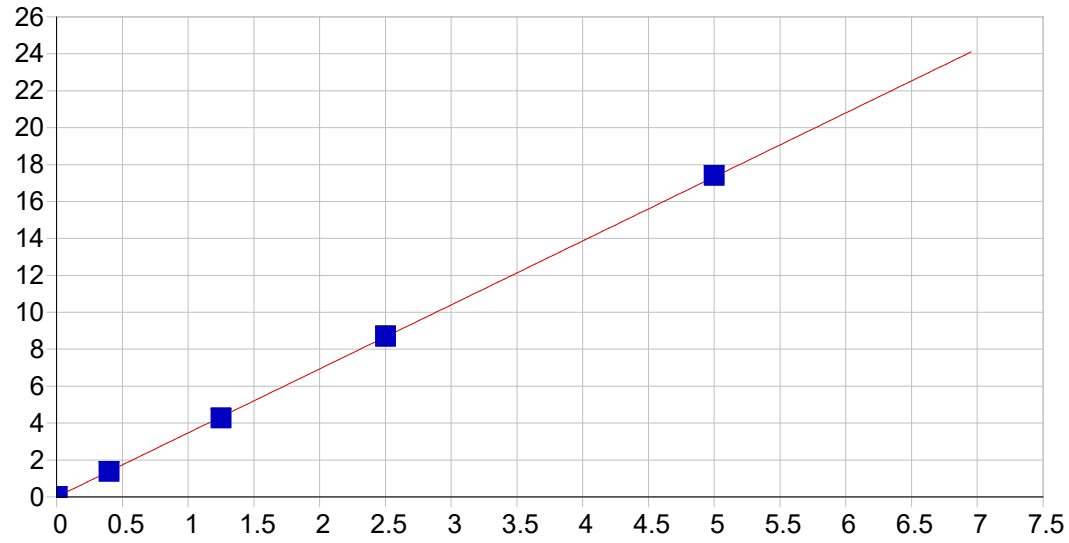


Be 234.861 {144}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004365	Re-Slope:	1.000000
A1 (Gain):	10.477178	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999752	Status:	OK.
Std Error of Est:	0.000667		
Predicted MDL:	0.000157		
Predicted MQL:	0.000523		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00436	.001	1
S1	.00600	.00639	.000	6.56	.07068	.000	1
S2	.04000	.04302	.003	7.55	.45230	.003	1
S3	.12500	.12851	.004	2.80	1.3420	.023	1
S4	.25000	.25011	.000	.045	2.6074	.010	1
S5	.50000	.49297	-.007	-1.41	5.1343	.089	1

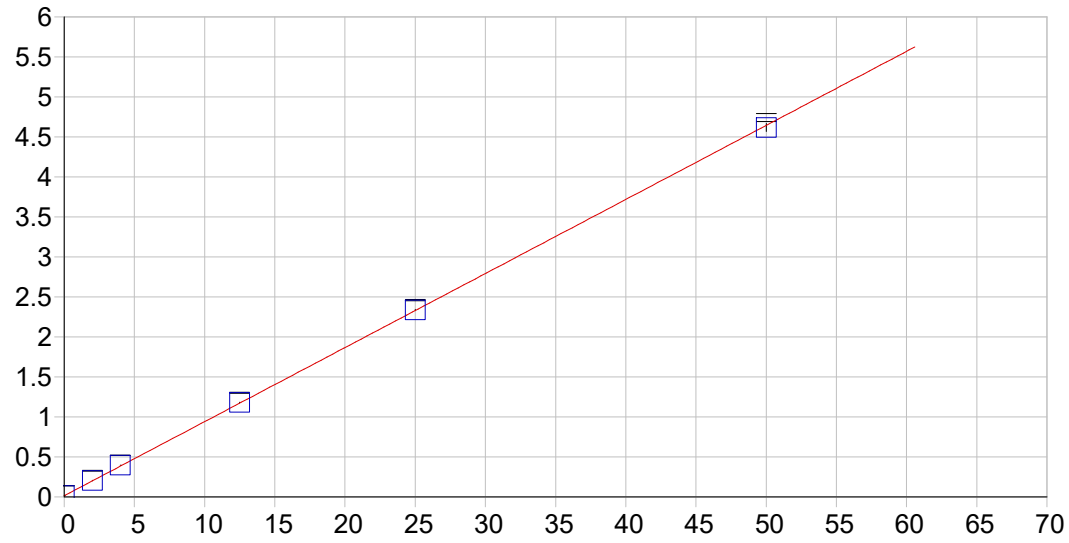


Cd 214.438 {457}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000364	Re-Slope:	1.000000
A1 (Gain):	3.466423	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000251		
Predicted MDL:	0.000092		
Predicted MQL:	0.000306		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00037	.000	1
S1	.00600	.00562	-.000	-6.30	.01987	.000	1
S2	.40000	.39358	-.006	-1.60	1.3648	.001	1
S3	1.2500	1.2291	-.021	-1.68	4.2611	.005	1
S4	2.5000	2.5071	.007	.285	8.6919	.033	1
S5	5.0000	5.0206	.021	.412	17.405	.007	1

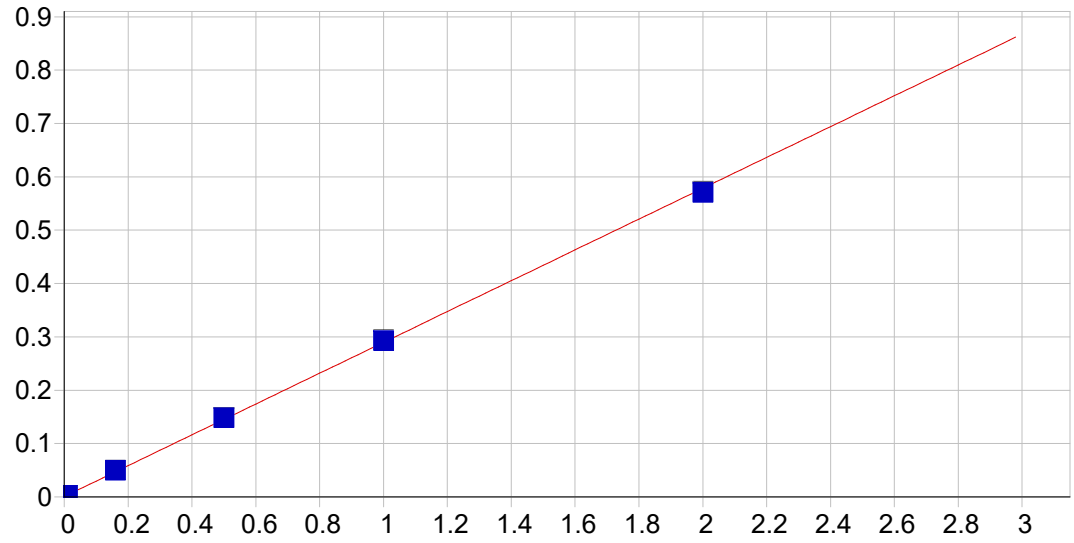


Ca 373.690 { 90}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.015087	Re-Slope:	1.000000
A1 (Gain):	0.092573	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999967	Status:	OK.
Std Error of Est:	0.000396		
Predicted MDL:	0.024584		
Predicted MQL:	0.081946		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00010	-.000	.000	.01508	.001	1
S1	2.0000	2.0406	.041	2.03	.20399	.003	1
S2	4.0000	4.1100	.110	2.75	.39556	.001	1
S3	12.500	12.570	.070	.559	1.1787	.005	1
S4	25.000	25.069	.069	.277	2.3358	.008	1
S5	50.000	49.710	-.290	-.580	4.6169	.050	1

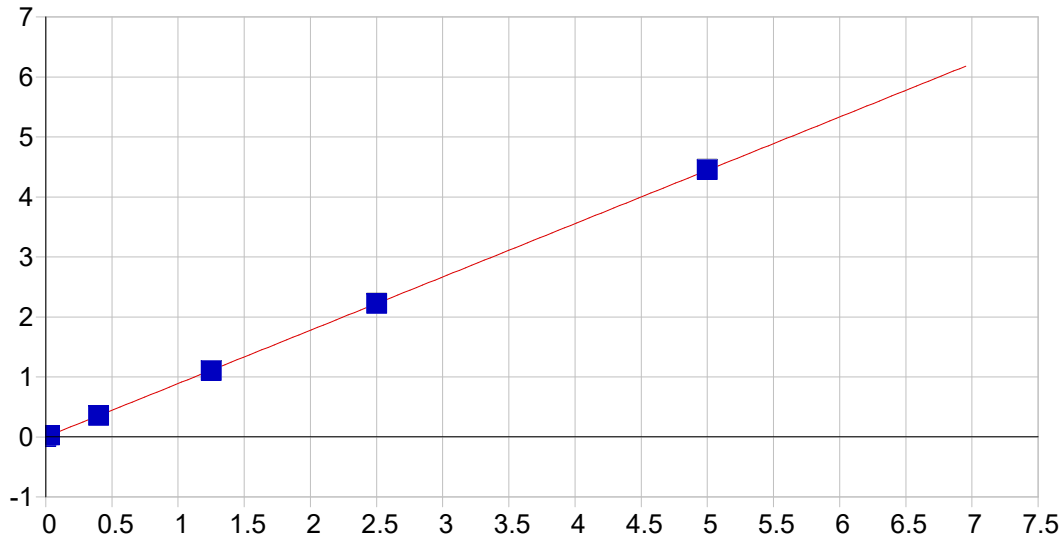


Cr 267.716 {126}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000754	Re-Slope:	1.000000
A1 (Gain):	0.288928	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999831	Status:	OK.
Std Error of Est:	0.000039		
Predicted MDL:	0.000996		
Predicted MQL:	0.003320		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00075	.000	1
S1	.01000	.00945	-.001	-5.55	.00349	.000	1
S2	.16000	.16915	.009	5.72	.04971	.000	1
S3	.50000	.50959	.010	1.92	.14826	.000	1
S4	1.0000	1.0102	.010	1.02	.29318	.001	1
S5	2.0000	1.9716	-.028	-1.42	.57151	.002	1

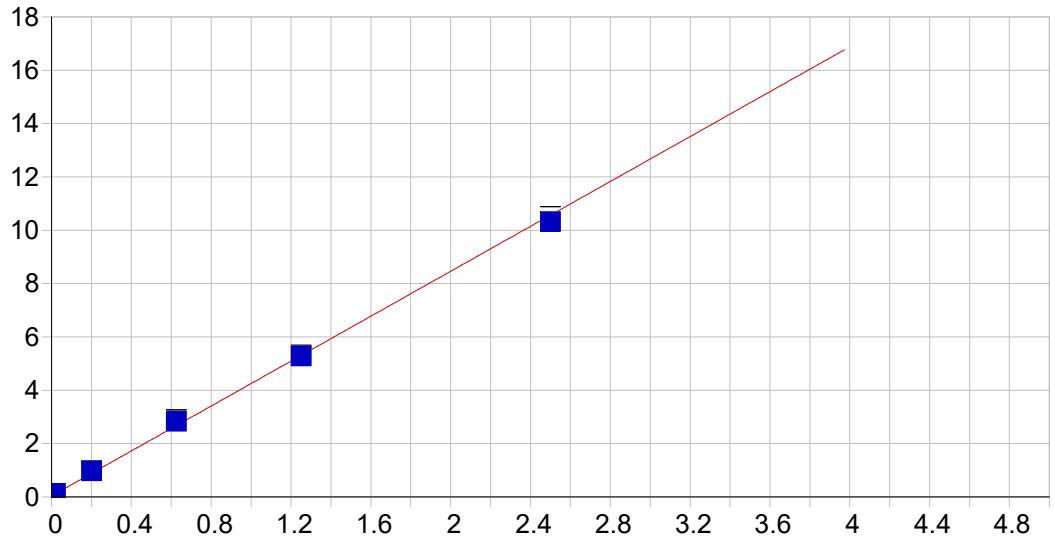


Co 228.616 {448}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000117	Re-Slope:	1.000000
A1 (Gain):	0.888651	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999996	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.000378		
Predicted MQL:	0.001261		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00012	.000	1
S1	.03000	.03005	.000	.172	.02667	.000	1
S2	.40000	.40100	.001	.251	.35690	.000	1
S3	1.2500	1.2418	-.008	-.657	1.1050	.001	1
S4	2.5000	2.4978	-.002	-.087	2.2225	.005	1
S5	5.0000	5.0093	.009	.186	4.4571	.003	1

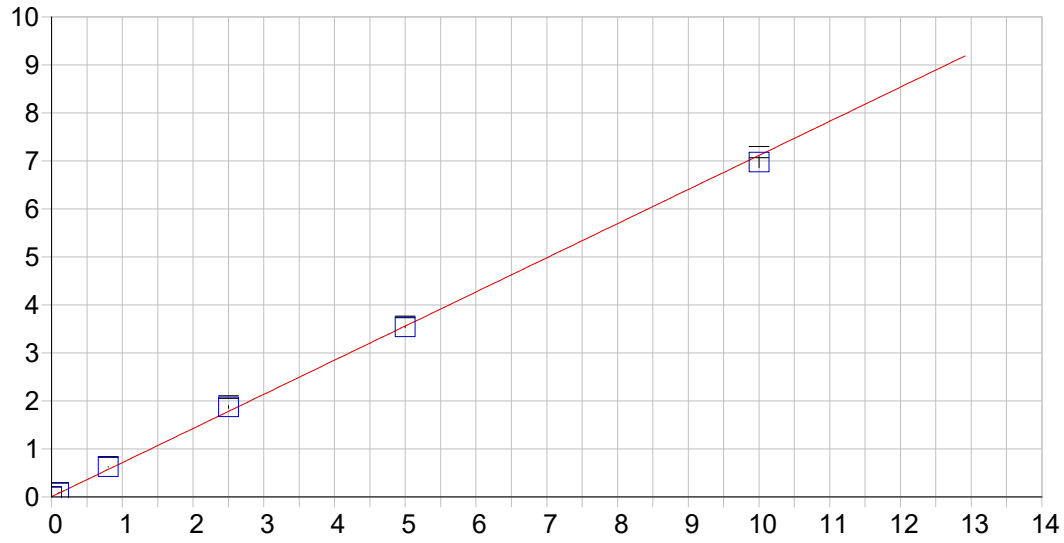


Cu 324.754 {104}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.040200	Re-Slope:	1.000000
A1 (Gain):	4.210039	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999284	Status:	OK.
Std Error of Est:	0.001872		
Predicted MDL:	0.000883		
Predicted MQL:	0.002942		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.04017	.003	1
S1	.02000	.02348	.003	17.4	.13911	.004	1
S2	.20000	.22096	.021	10.5	.97087	.004	1
S3	.62500	.66375	.039	6.20	2.8359	.052	1
S4	1.2500	1.2453	-.005	-.376	5.2855	.027	1
S5	2.5000	2.4415	-.058	-2.34	10.324	.188	1

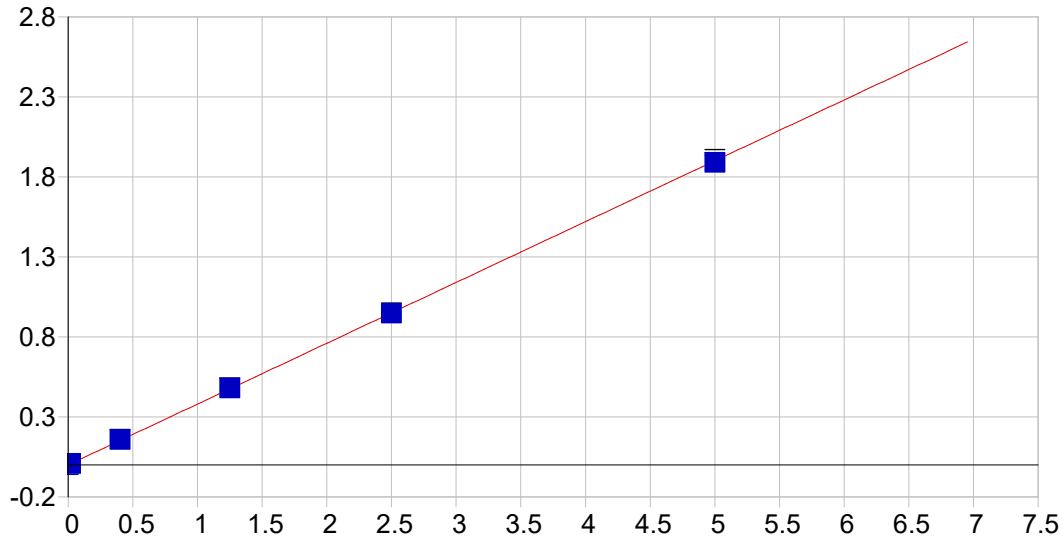


Fe 259.837 {130}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003543	Re-Slope:	1.000000
A1 (Gain):	0.711164	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999447	Status:	OK.
Std Error of Est:	0.001242		
Predicted MDL:	0.002657		
Predicted MQL:	0.008855		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.00352	.001	1
S1	.10000	.11542	.015	15.4	.08563	.002	1
S2	.80000	.87647	.076	9.56	.62685	.005	1
S3	2.5000	2.6290	.129	5.16	1.8732	.028	1
S4	5.0000	4.9769	-.023	-.462	3.5429	.016	1
S5	10.000	9.8023	-.198	-1.98	6.9746	.117	1

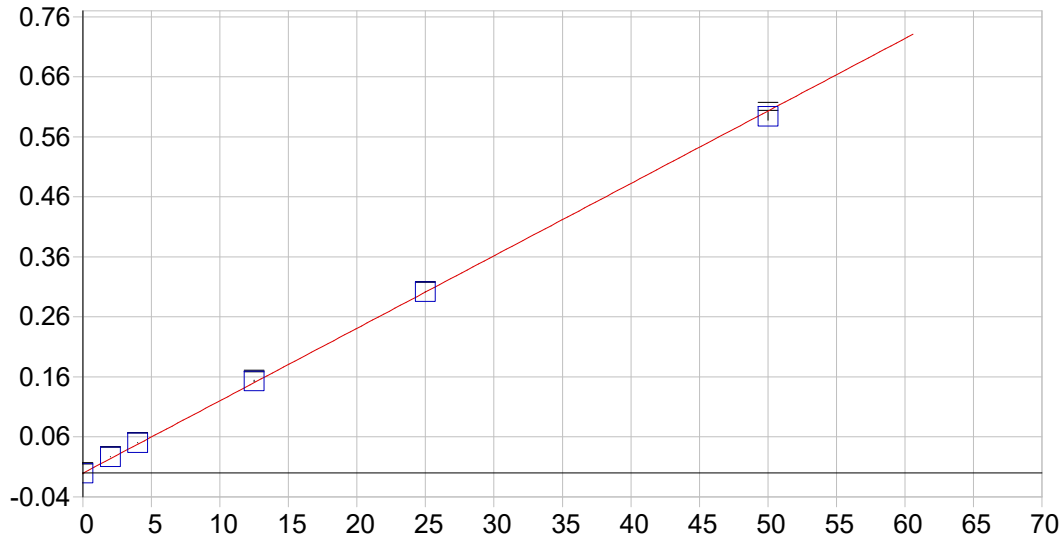


Mn 257.610 {131}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000153	Re-Slope:	1.000000
A1 (Gain):	0.380107	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999918	Status:	OK.
Std Error of Est:	0.000081		
Predicted MDL:	0.001716		
Predicted MQL:	0.005718		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00015	.000	1
S1	.02000	.02302	.003	15.1	.00892	.000	1
S2	.40000	.41765	.018	4.41	.15904	.000	1
S3	1.2500	1.2624	.012	.989	.48041	.002	1
S4	2.5000	2.4927	-.007	-.294	.94848	.001	1
S5	5.0000	4.9743	-.026	-.514	1.8926	.017	1

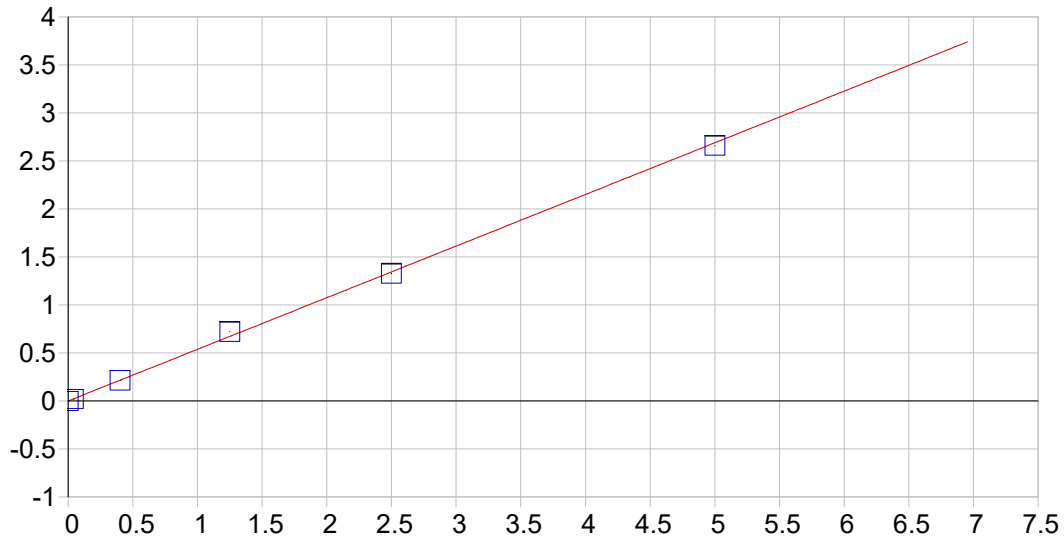


Mg 279.079 {121}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000467	Re-Slope:	1.000000
A1 (Gain):	0.012071	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999674	Status:	OK.
Std Error of Est:	0.000163		
Predicted MDL:	0.068670		
Predicted MQL:	0.228901		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00038	-.000	.000	-.00047	.001	1
S1	2.0000	2.2679	.268	13.4	.02691	.000	1
S2	4.0000	4.1967	.197	4.92	.05019	.000	1
S3	12.500	12.735	.235	1.88	.15326	.001	1
S4	25.000	25.038	.038	.153	.30177	.001	1
S5	50.000	49.262	-.738	-1.48	.59417	.007	1

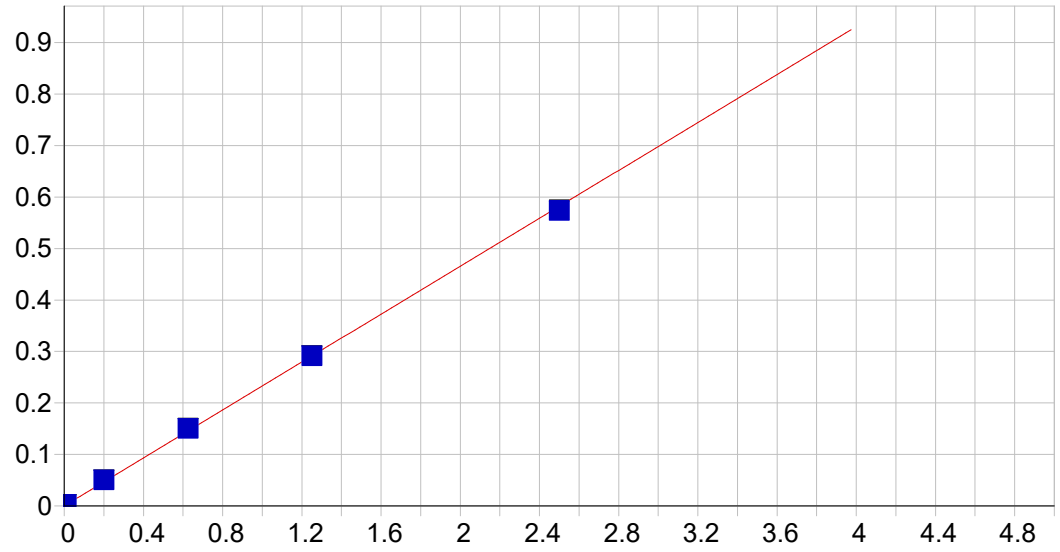


Ni 231.604 {446}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000206	Re-Slope:	1.000000
A1 (Gain):	0.537761	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999573	Status:	OK.
Std Error of Est:	0.000369		
Predicted MDL:	0.000659		
Predicted MQL:	0.002198		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00021	.000	1
S1	.04000	.03857	-.001	-3.56	.02054	.000	1
S2	.40000	.39686	-.003	-.786	.21321	.001	1
S3	1.2500	1.3419	.092	7.35	.72140	.001	1
S4	2.5000	2.4675	-.033	-1.30	1.3267	.003	1
S5	5.0000	4.9452	-.055	-1.10	2.6591	.001	1

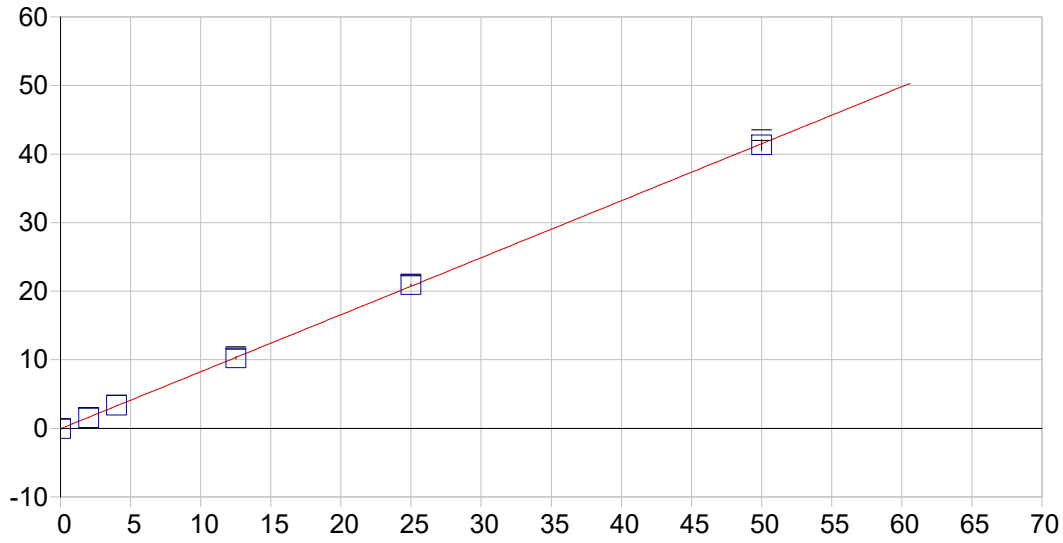


Ag 328.068 {103}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000344	Re-Slope:	1.000000
A1 (Gain):	0.232648	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999748	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	0.001465		
Predicted MQL:	0.004883		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00034	.000	1
S1	.01000	.01021	.000	2.09	.00271	.000	1
S2	.20000	.21537	.015	7.68	.05041	.000	1
S3	.62500	.64445	.019	3.11	.15015	.000	1
S4	1.2500	1.2508	.001	.063	.29109	.001	1
S5	2.5000	2.4642	-.036	-1.43	.57314	.001	1

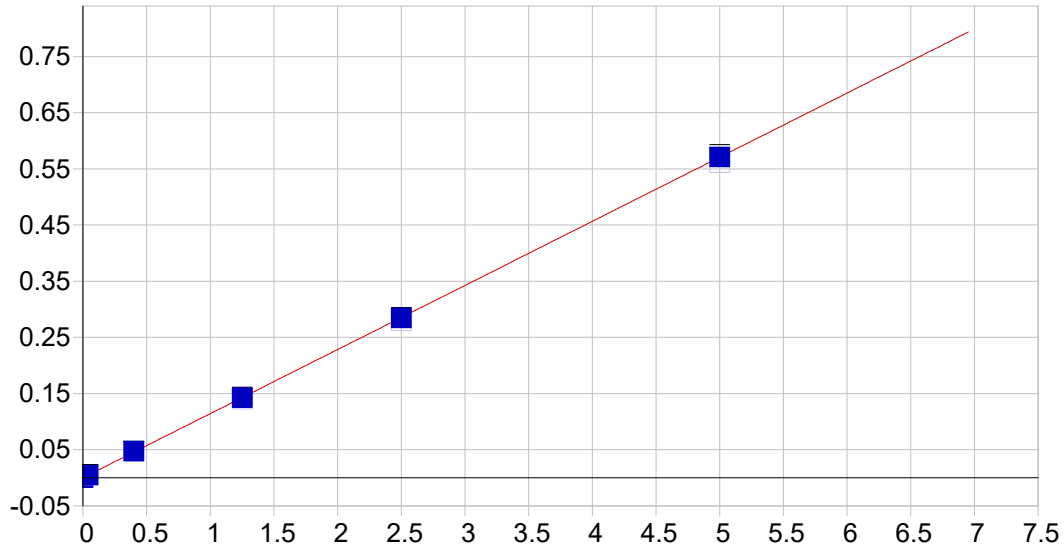


Na 818.326 { 41}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.055256	Re-Slope:	1.000000
A1 (Gain):	0.831156	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999947	Status:	OK.
Std Error of Est:	0.004524		
Predicted MDL:	0.013930		
Predicted MQL:	0.046435		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.05524	.007	1
S1	2.0000	1.9284	-.072	-3.58	1.5475	.011	1
S2	4.0000	4.1193	.119	2.98	3.3685	.027	1
S3	12.500	12.428	-.072	-.578	10.274	.167	1
S4	25.000	25.244	.244	.977	20.927	.128	1
S5	50.000	49.780	-.220	-.439	41.320	.778	1

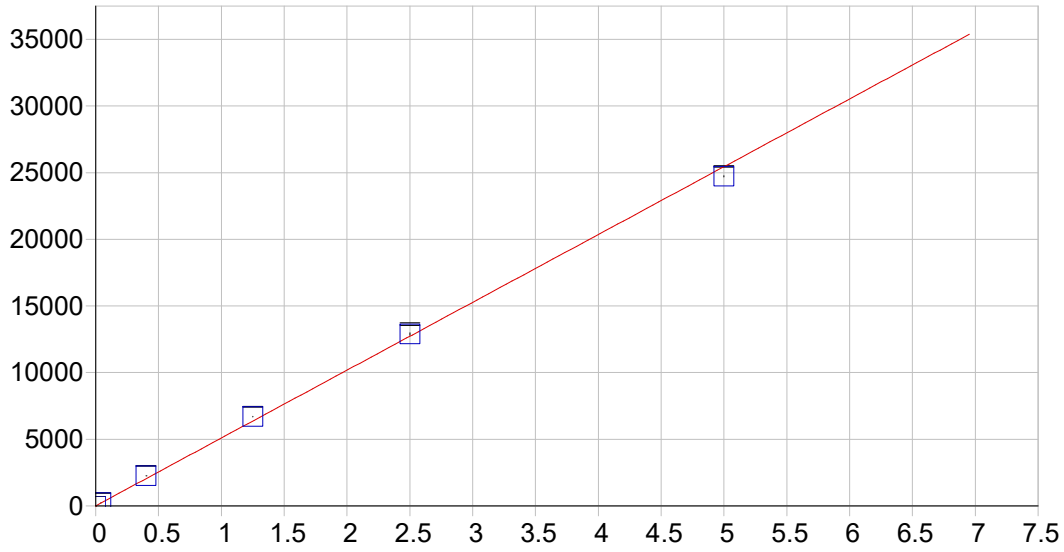


V 292.402 {115}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000107	Re-Slope:	1.000000
A1 (Gain):	0.114170	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999974	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	0.008754		
Predicted MQL:	0.029181		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00011	.000	1
S1	.04000	.04112	.001	2.81	.00461	.002	1
S2	.40000	.41221	.012	3.05	.04635	.000	1
S3	1.2500	1.2458	-.004	-.334	.13980	.002	1
S4	2.5000	2.4890	-.011	-.441	.27918	.001	1
S5	5.0000	5.0019	.002	.038	.56098	.005	1

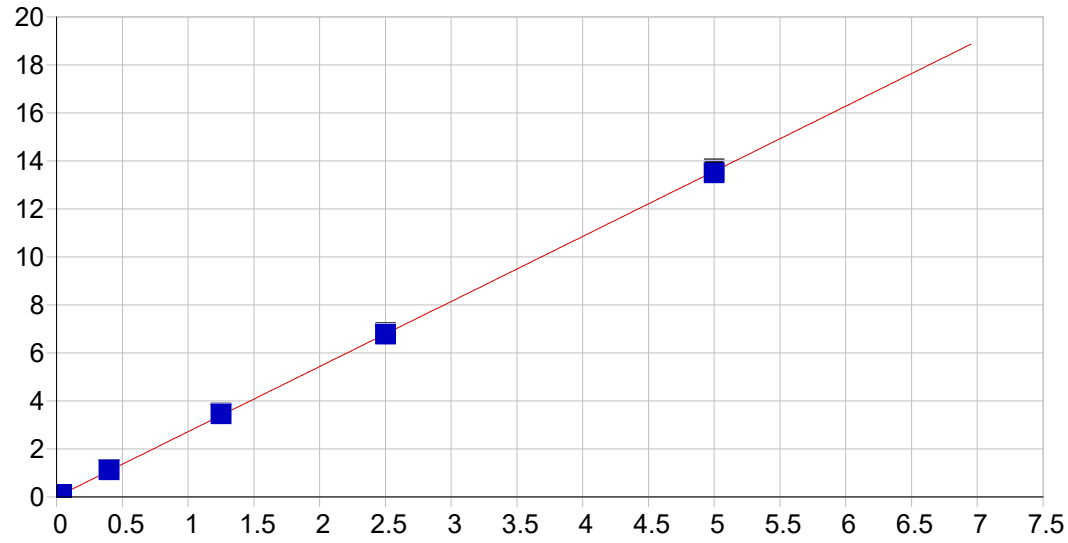


Zn 206.200 {464}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	8.665567	Re-Slope:	1.000000
A1 (Gain):	5087.732559	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999318	Status:	OK.
Std Error of Est:	4.410949		
Predicted MDL:	0.000273		
Predicted MQL:	0.000912		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	8.6196	.917	1
S1	.04000	.04337	.003	8.41	229.30	1.36	1
S2	.40000	.44229	.042	10.6	2258.9	8.06	1
S3	1.2500	1.3152	.065	5.21	6699.9	17.5	1
S4	2.5000	2.5307	.031	1.23	12884.	99.8	1
S5	5.0000	4.8584	-.142	-2.83	24727.	45.5	1

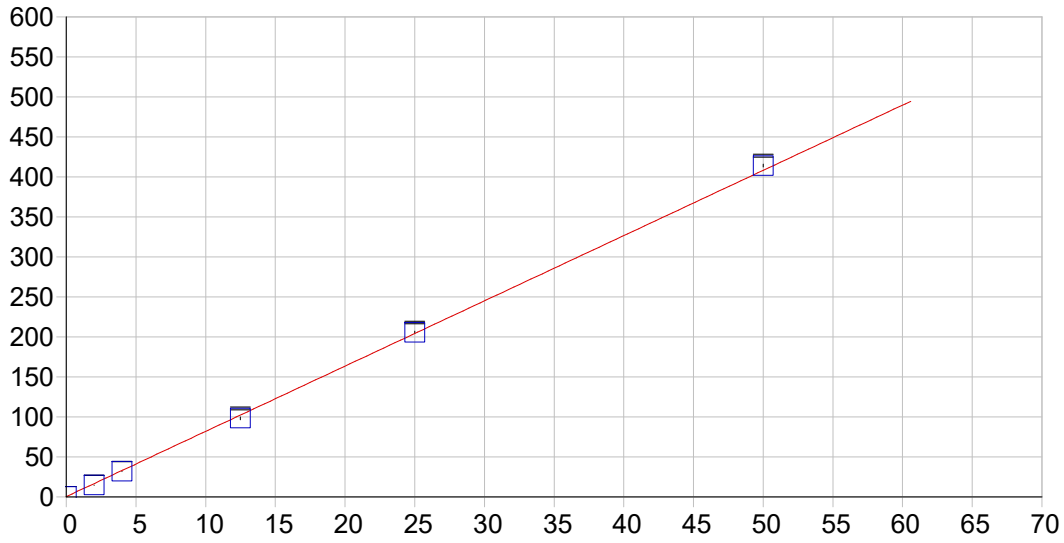


Zn 213.856 {158}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004143	Re-Slope:	1.000000
A1 (Gain):	2.712863	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999951	Status:	OK.
Std Error of Est:	0.000635		
Predicted MDL:	0.000494		
Predicted MQL:	0.001647		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00414	.001	1
S1	.04000	.03941	-.001	-1.48	.11184	.001	1
S2	.40000	.41242	.012	3.11	1.1309	.008	1
S3	1.2500	1.2712	.021	1.70	3.4775	.016	1
S4	2.5000	2.4937	-.006	-.251	6.8186	.027	1
S5	5.0000	4.9732	-.027	-.535	13.595	.075	1

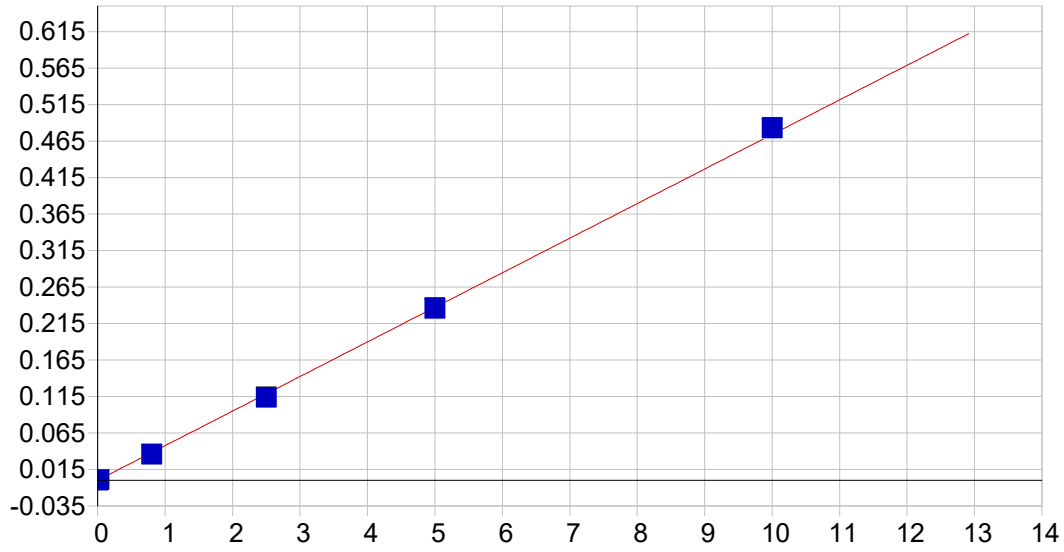


K 769.896 { 44}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.382361	Re-Slope:	1.000000
A1 (Gain):	8.155877	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999629	Status:	OK.
Std Error of Est:	0.117508		
Predicted MDL:	0.001257		
Predicted MQL:	0.004189		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00037	.000	.000	.38534	.006	1
S1	2.0000	1.7452	-.255	-12.7	14.616	.026	1
S2	4.0000	3.8527	-.147	-3.68	31.805	.166	1
S3	12.500	12.006	-.494	-3.95	98.303	1.81	1
S4	25.000	25.160	.160	.638	205.58	1.50	1
S5	50.000	50.736	.736	1.47	414.18	1.79	1

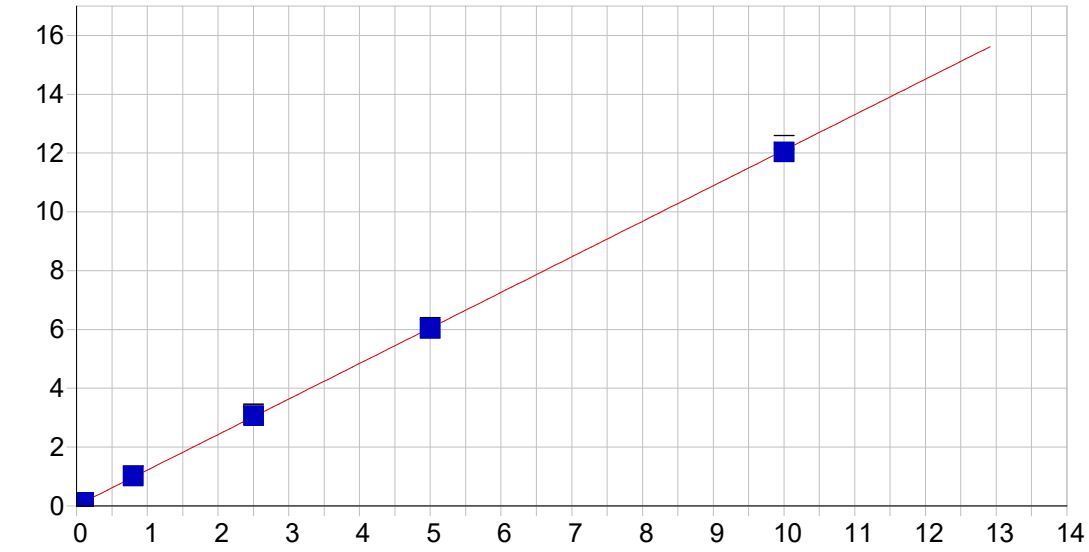


P 177.495 {490}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000141	Re-Slope:	1.000000
A1 (Gain):	0.047393	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999696	Status:	OK.
Std Error of Est:	0.000027		
Predicted MDL:	0.003304		
Predicted MQL:	0.011013		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00014	.000	1
S1	.02000	.02172	.002	8.58	.00116	.000	1
S2	.80000	.75066	-.049	-6.17	.03563	.000	1
S3	2.5000	2.3975	-.102	-4.10	.11349	.000	1
S4	5.0000	4.9647	-.035	-.706	.23488	.001	1
S5	10.000	10.185	.185	1.85	.48176	.001	1

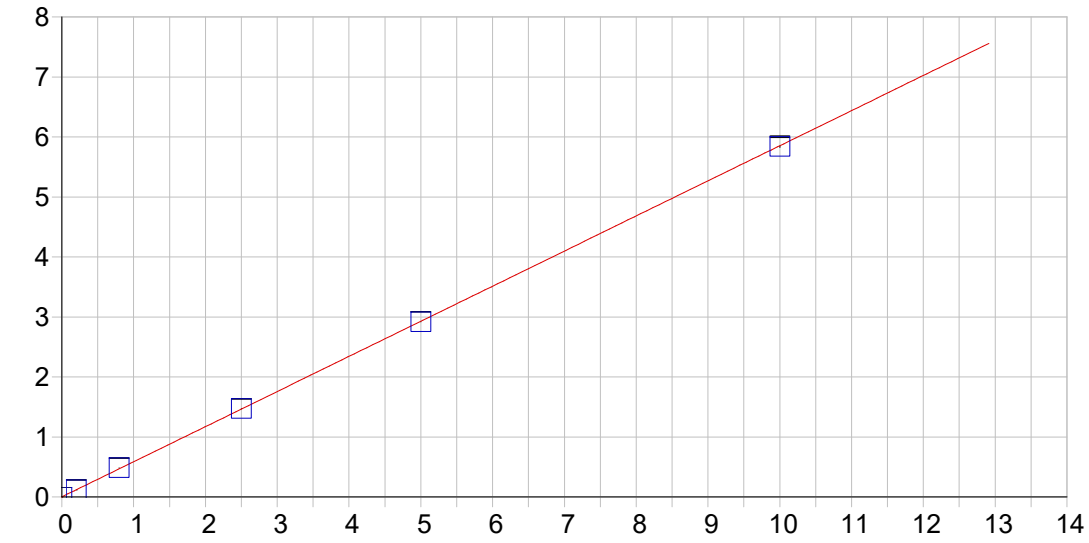


B 249.678 {135}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.008193	Re-Slope:	1.000000
A1 (Gain):	1.208898	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000681		
Predicted MDL:	0.001703		
Predicted MQL:	0.005678		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00819	.001	1
S1	.10000	.09956	-.000	-.436	.12842	.001	1
S2	.80000	.83277	.033	4.10	1.0142	.010	1
S3	2.5000	2.5342	.034	1.37	3.0695	.049	1
S4	5.0000	4.9839	-.016	-.323	6.0286	.038	1
S5	10.000	9.9496	-.050	-.504	12.027	.231	1

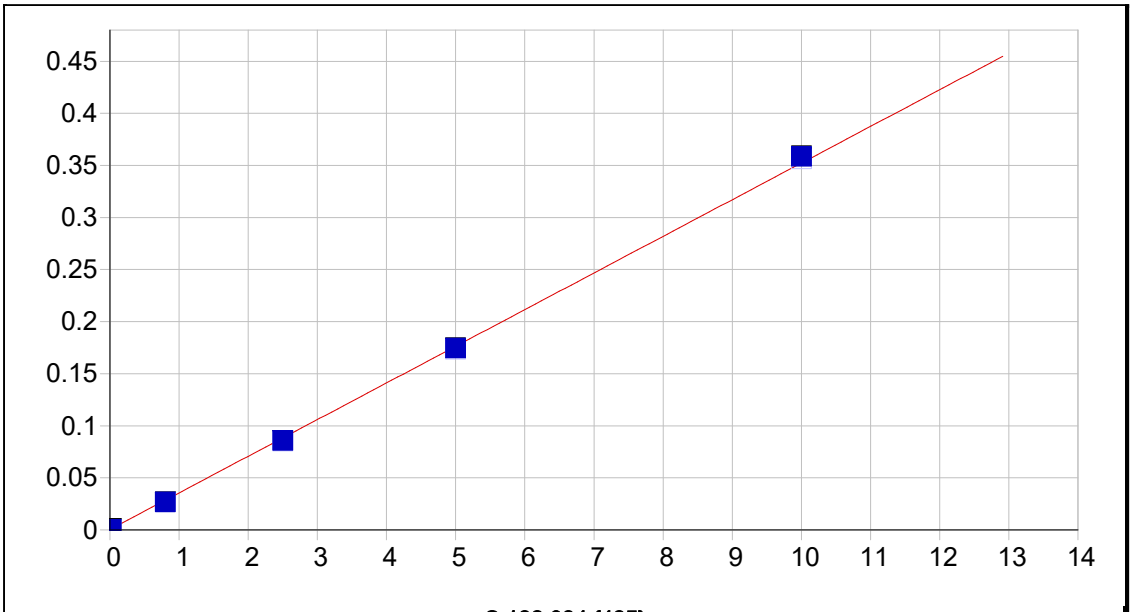


Mo 202.030 {467}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000592	Re-Slope:	1.000000
A1 (Gain):	0.585265	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999976	Status:	OK.
Std Error of Est:	0.000302		
Predicted MDL:	0.000568		
Predicted MQL:	0.001894		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00059	.000	1
S1	.20000	.20044	.000	.218	.11790	.000	1
S2	.80000	.82456	.025	3.07	.48318	.001	1
S3	2.5000	2.5110	.011	.441	1.4702	.003	1
S4	5.0000	4.9877	-.012	-.247	2.9197	.003	1
S5	10.000	9.9763	-.024	-.237	5.8394	.013	1

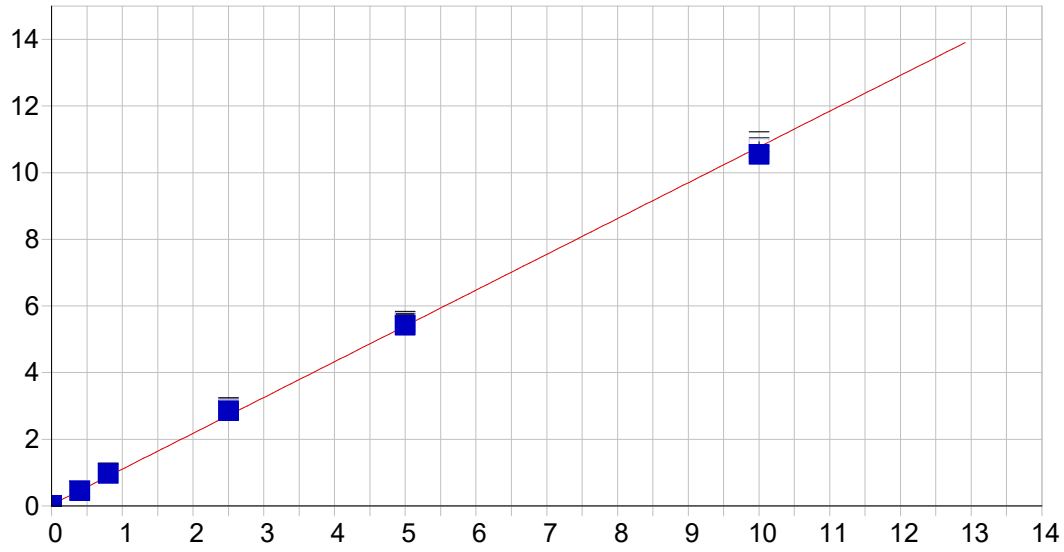


S 182.034 {485}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000353	Re-Slope:	1.000000
A1 (Gain):	0.035193	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999746	Status:	OK.
Std Error of Est:	0.000018		
Predicted MDL:	0.004434		
Predicted MQL:	0.014781		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00035	.000	1
S1	.02000	.01905	-.001	-4.75	.00097	.000	1
S2	.80000	.75218	-.048	-5.98	.02664	.000	1
S3	2.5000	2.4218	-.078	-3.13	.08500	.000	1
S4	5.0000	4.9462	-.054	-1.08	.17326	.000	1
S5	10.000	10.181	.181	1.81	.35631	.001	1

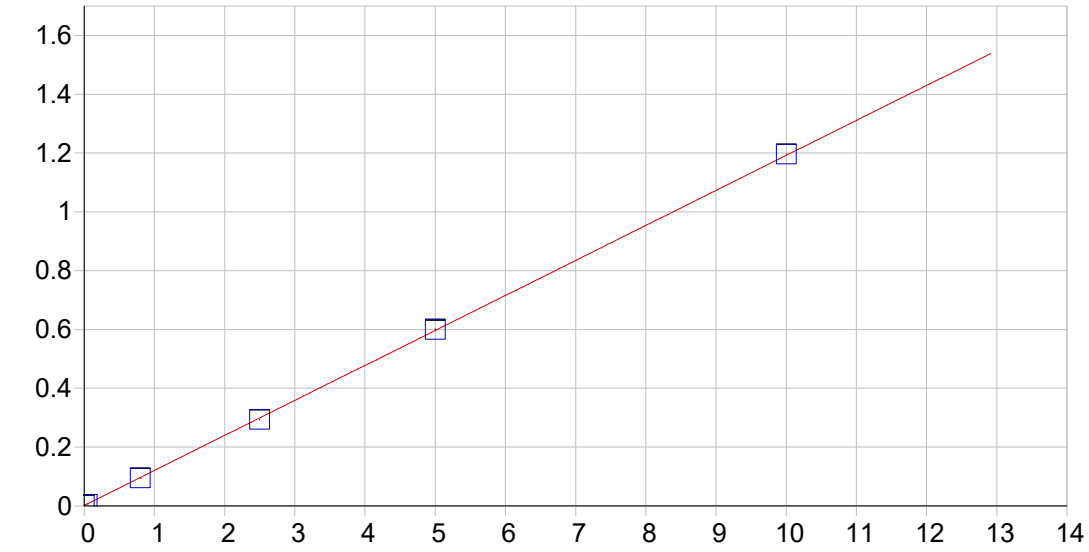


Si 251.611 {134}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.029895	Re-Slope:	1.000000
A1 (Gain):	1.074232	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999535	Status:	OK.
Std Error of Est:	0.003523		
Predicted MDL:	0.001743		
Predicted MQL:	0.005811		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00005	-.000	.000	.02985	.004	1
S1	.40000	.39522	-.005	-1.19	.45696	.002	1
S2	.80000	.87374	.074	9.22	.98239	.011	1
S3	2.5000	2.6273	.127	5.09	2.8956	.054	1
S4	5.0000	5.0173	.017	.346	5.5065	.032	1
S5	10.000	9.7864	-.214	-2.14	10.716	.207	1

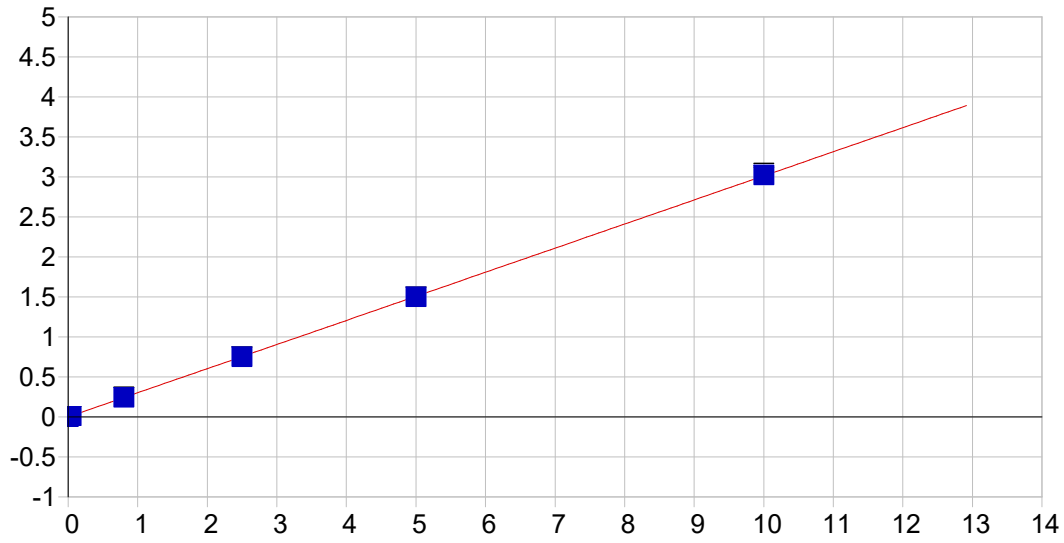


Sn 189.989 {478}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001645	Re-Slope:	1.000000
A1 (Gain):	0.119032	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999960	Status:	OK.
Std Error of Est:	0.000035		
Predicted MDL:	0.001254		
Predicted MQL:	0.004181		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00165	.000	1
S1	.04000	.03905	-.001	-2.39	.00629	.000	1
S2	.80000	.78454	-.015	-1.93	.09503	.000	1
S3	2.5000	2.4533	-.047	-1.87	.29367	.000	1
S4	5.0000	5.0241	.024	.482	.59967	.002	1
S5	10.000	10.039	.039	.390	1.1966	.001	1

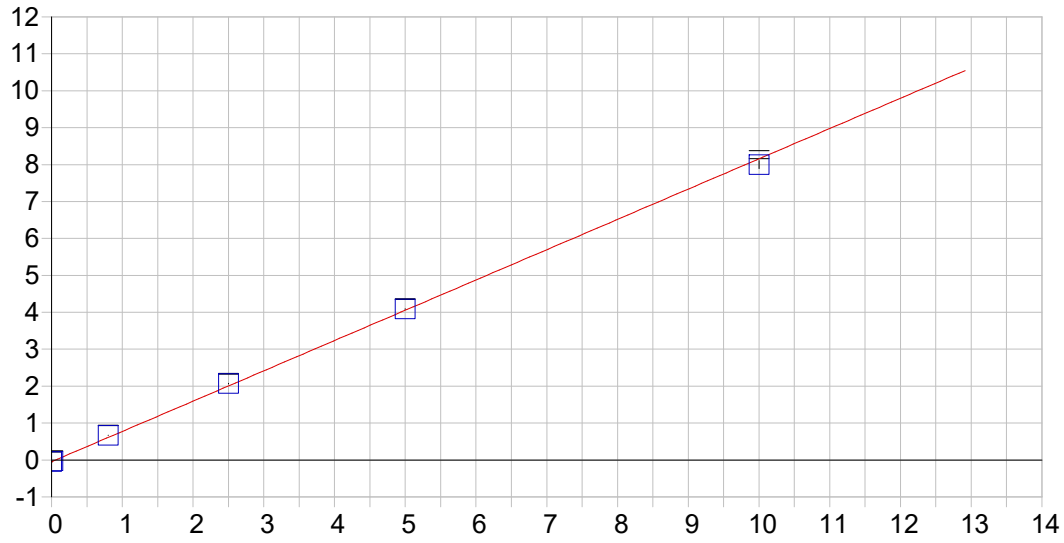


Ti 336.121 {100}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000977	Re-Slope:	1.000000
A1 (Gain):	0.301216	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999988	Status:	OK.
Std Error of Est:	0.000050		
Predicted MDL:	0.004704		
Predicted MQL:	0.015679		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00098	.002	1
S1	.04000	.03851	-.001	-3.73	.01256	.000	1
S2	.80000	.80822	.008	1.03	.24430	.002	1
S3	2.5000	2.4876	-.012	-.495	.74991	.004	1
S4	5.0000	4.9732	-.027	-.537	1.4982	.003	1
S5	10.000	10.033	.033	.325	3.0214	.024	1

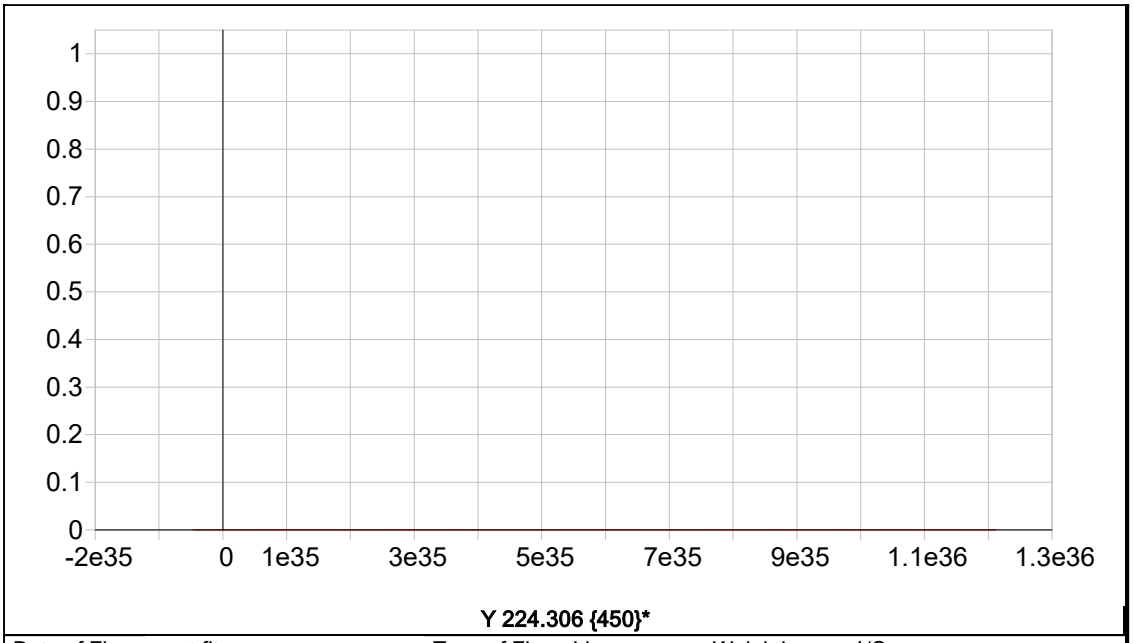


Li 670.784 { 50}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.046739	Re-Slope:	1.000000
A1 (Gain):	0.820326	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999612	Status:	OK.
Std Error of Est:	0.000536		
Predicted MDL:	0.007789		
Predicted MQL:	0.025964		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.04675	.003	1
S5	10.000	9.8081	-.192	-1.92	7.9991	.109	1
S4	5.0000	5.0388	.039	.776	4.0867	.008	1
S3	2.5000	2.5772	.077	3.09	2.0674	.010	1
S2	.80000	.86997	.070	8.75	.66692	.004	1
S1	.02000	.02589	.006	29.5	-.02550	.002	1

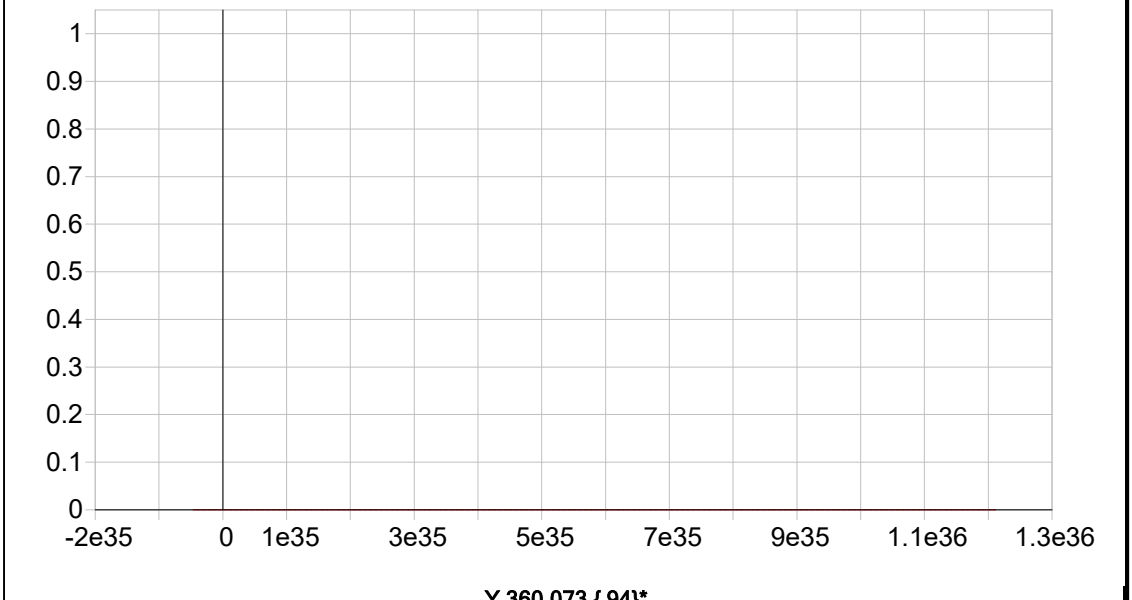


Y 224.306 {450}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



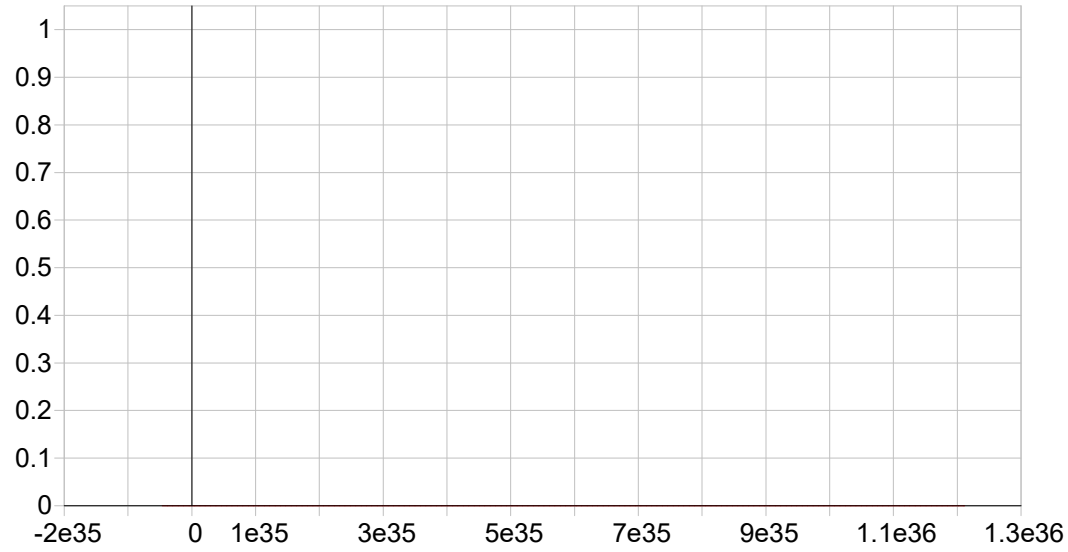
Y 360.073 { 94}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

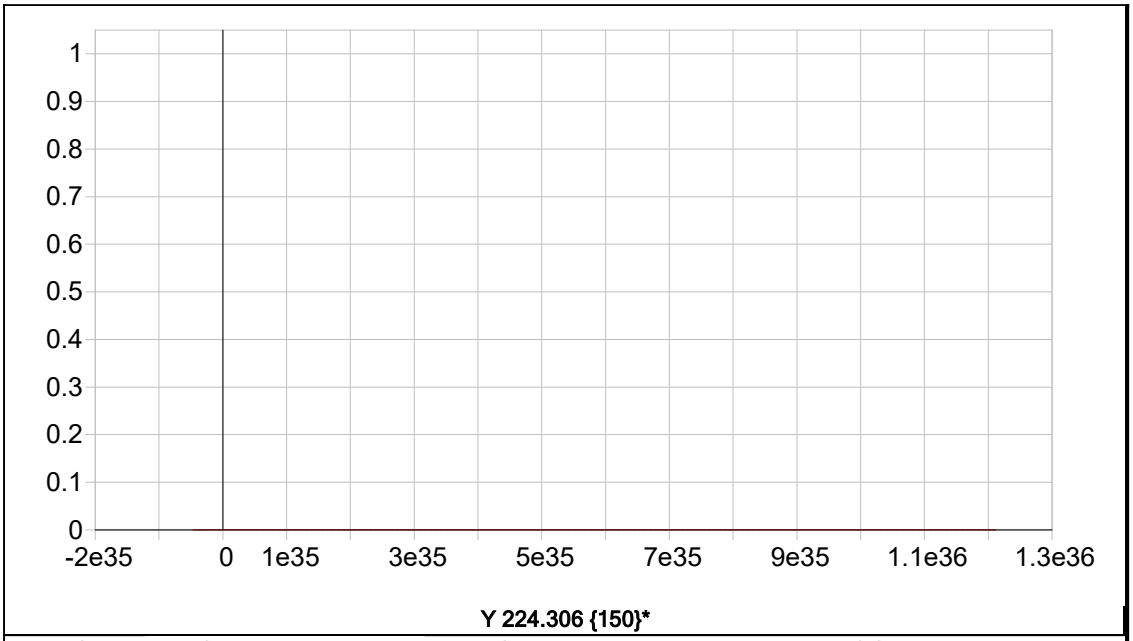
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):		0.000000		Re-Slope:	1.000000	
A1 (Gain):		0.000000		Y-int:	0.000000	
A2 (Curvature):		0.000000				
n (Exponent):		1.000000				
Correlation:		0.000000		Status:	Warning	Zero Gain
Std Error of Est:		0.000000				
Predicted MDL:		n/a				
Predicted MQL:		n/a				

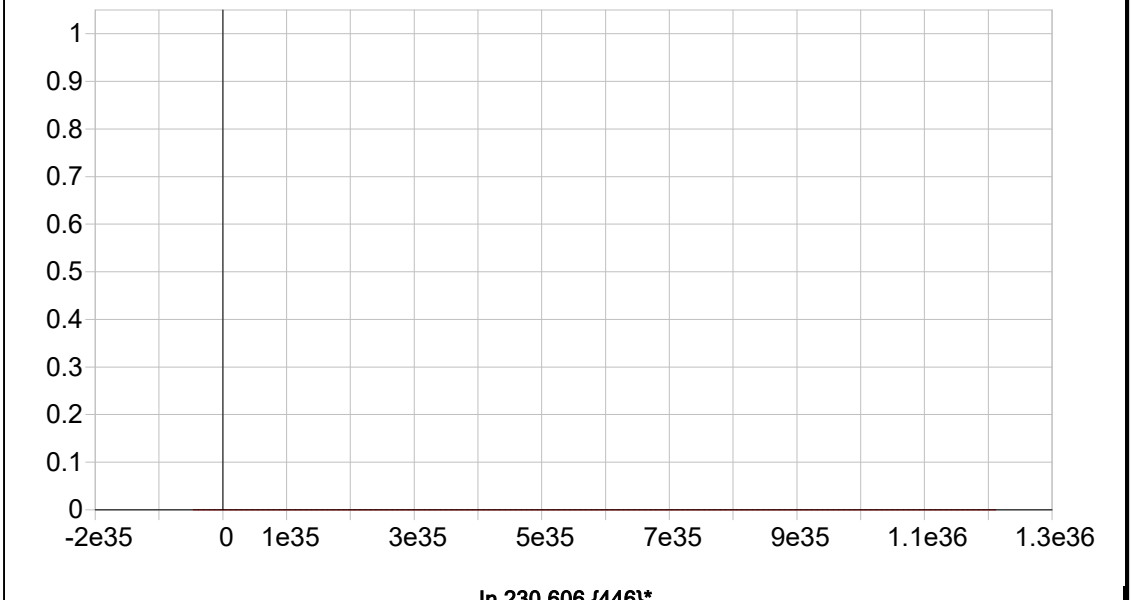
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

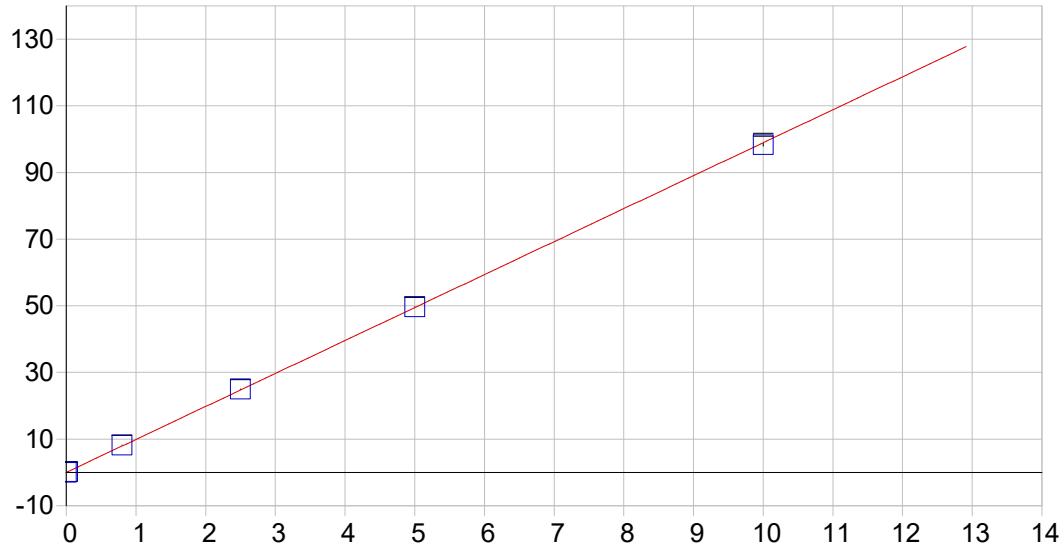


In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Sr 407.771 { 83}

Date of Fit:	7/9/2025 13:05:00	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001167	Re-Slope:	1.000000
A1 (Gain):	9.894180	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999961	Status:	OK.
Std Error of Est:	0.002050		
Predicted MDL:	0.000254		
Predicted MQL:	0.000848		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00115	.002	1
S1	.02000	.02050	.000	2.49	.20398	.002	1
S2	.80000	.82629	.026	3.29	8.1767	.037	1
S3	2.5000	2.5194	.019	.777	24.929	.096	1
S4	5.0000	5.0142	.014	.283	49.612	.072	1
S5	10.000	9.9396	-.060	-.604	98.345	.437	1

Sample Name: S0 Acquired: 7/9/2025 9:39:38 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00003**	**-.00078**	**.00012**	**-.00022**	**.00068**	**-.00361**	**.00977**	**.00436**
Stddev	.00002	.00006	.00037	.00027	.00044	.00023	.00389	.00101
%RSD	59.669	7.3914	304.15	124.51	64.618	6.2302	39.867	23.119
#1	-.00001	-.00080	-.00029	-.00052	.00115	-.00340	.01188	.00326
#2	-.00005	-.00071	.00025	-.00013	.00062	-.00385	.00527	.00457
#3	-.00003	-.00082	.00040	-.00000	.00027	-.00359	.01214	.00524

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00037**	**.01508**	**.00075**	**.00012**	**.04017**	**.00352**	**.00015**	**-.00047**
Stddev	.00020	.00100	.00010	.00030	.00253	.00093	.00043	.00118
%RSD	53.968	6.6324	13.048	259.29	6.2929	26.493	285.38	250.14
#1	.00059	.01553	.00077	.00038	.03736	.00457	.00057	.00039
#2	.00023	.01577	.00065	-.00022	.04091	.00323	-.00029	.00001
#3	.00027	.01393	.00085	.00019	.04225	.00277	.00017	-.00182

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00021**	**.00034**	**-.05524**	**.00011**	**.00414**	**.38534**	**.00014**	**.00819**
Stddev	.00018	.00009	.00738	.00049	.00118	.00598	.00020	.00110
%RSD	87.849	26.042	13.357	457.62	28.379	1.5516	144.60	13.439
#1	-.00006	.00033	-.06296	.00054	.00497	.38743	.00027	.00813
#2	-.00015	.00026	-.05453	.00020	.00466	.38999	.00025	.00931
#3	-.00041	.00044	-.04825	-.00042	.00280	.37860	-.00009	.00711

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00059**	**.00035**	**.02985**	**.00165**	**.00098**	**-.04675**	**.00115**
Stddev	.00027	.00004	.00353	.00005	.00152	.00270	.00235
%RSD	46.670	12.363	11.838	3.0417	155.87	5.7678	203.25
#1	.00031	.00030	.02582	.00163	.00198	-.04382	.00376
#2	.00085	.00038	.03242	.00160	.00173	-.04728	.00050
#3	.00060	.00037	.03131	.00170	-.00078	-.04914	-.00080

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S0 Acquired: 7/9/2025 9:39:38 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3554.2	35629.	2763.2	2256.1	5164.9
Stddev	8.4	107.	31.3	7.5	10.9
%RSD	.23755	.29977	1.1340	.33037	.21151
#1	3544.9	35699.	2774.8	2264.6	5153.6
#2	3556.3	35506.	2787.2	2250.7	5165.8
#3	3561.3	35683.	2727.8	2253.0	5175.4

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S1 Acquired: 7/9/2025 9:44:10 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00054**	**.00338**	**.00271**	**.00110**	**.00748**	**.00301**	**.38453**	**.07068**
Stddev	.00014	.00025	.00006	.00039	.00032	.00192	.00167	.00035
%RSD	26.152	7.4300	2.0809	35.724	4.2252	63.905	.43388	.49847
#1	.00071	.00355	.00264	.00092	.00785	.00303	.38645	.07105
#2	.00047	.00309	.00273	.00155	.00731	.00492	.38366	.07035
#3	.00046	.00351	.00275	.00083	.00729	.00107	.38348	.07064

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01987**	**.20399**	**.00349**	**.02667**	**.13911**	**.08563**	**.00892**	**.02691**
Stddev	.00037	.00319	.00011	.00026	.00440	.00191	.00048	.00016
%RSD	1.8447	1.5628	3.0979	.95776	3.1598	2.2285	5.4299	.58674
#1	.01963	.20749	.00339	.02638	.14240	.08716	.00892	.02689
#2	.02029	.20326	.00360	.02685	.14081	.08349	.00940	.02708
#3	.01969	.20124	.00349	.02678	.13411	.08623	.00843	.02676

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02054**	**.00271**	**1.5475**	**.00461**	**.11184**	**14.616**	**.00116**	**.12842**
Stddev	.00027	.00005	.0110	.00170	.00123	.026	.00021	.00120
%RSD	1.3239	1.9303	.70930	36.932	1.0961	.17690	18.014	.93556
#1	.02024	.00276	1.5389	.00330	.11261	14.645	.00106	.12954
#2	.02061	.00272	1.5438	.00653	.11248	14.596	.00140	.12856
#3	.02077	.00266	1.5599	.00399	.11043	14.608	.00102	.12715

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.11790**	**.00097**	**.45696**	**.00629**	**.01256**	**-.02550**	**.20398**
Stddev	.00029	.00012	.00222	.00013	.00039	.00158	.00181
%RSD	.24229	12.049	.48640	2.1265	3.1374	6.2031	.88549
#1	.11764	.00091	.45889	.00645	.01247	-.02402	.20510
#2	.11786	.00110	.45453	.00620	.01300	-.02531	.20190
#3	.11820	.00090	.45747	.00623	.01223	-.02717	.20495

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S1 Acquired: 7/9/2025 9:44:10 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3560.0	35685.	2731.2	2260.5	5125.2
Stddev	17.0	145.	5.5	11.0	23.0
%RSD	.47770	.40502	.20242	.48782	.44822
#1	3579.5	35727.	2728.4	2263.0	5149.8
#2	3548.6	35524.	2727.6	2248.4	5104.3
#3	3551.8	35804.	2737.5	2270.0	5121.5

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S2 Acquired: 7/9/2025 9:48:38 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2144
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03116**	**.08586**	**.18571**	**.04585**	**.10935**	**.11612**	**6.2486**	**.45230**	**1.3648**
Stddev	.00020	.00033	.00012	.00017	.00054	.00155	.0173	.00320	.0007
%RSD	.63749	.37989	.06691	.36895	.49720	1.3319	.27736	.70761	.05443
#1	.03112	.08574	.18570	.04575	.10897	.11605	6.2417	.45142	1.3656
#2	.03099	.08623	.18559	.04604	.10910	.11770	6.2358	.45585	1.3642
#3	.03138	.08561	.18584	.04575	.10997	.11461	6.2684	.44964	1.3645

Elem	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.39556**	**.04971**	**.35690**	**.97087**	**.62685**	**.15904**	**.05019**	**.21321**	**.05041**
Stddev	.00089	.00033	.00041	.00362	.00522	.00047	.00024	.00061	.00021
%RSD	.22493	.65914	.11580	.37316	.83228	.29634	.47536	.28451	.40785
#1	.39457	.05001	.35645	.96876	.62334	.15859	.04992	.21251	.05036
#2	.39581	.04977	.35727	.97506	.63285	.15953	.05033	.21348	.05023
#3	.39630	.04936	.35699	.96881	.62437	.15900	.05033	.21363	.05063

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.3685**	**.04635**	**1.1309**	**31.805**	**.03563**	**1.0142**	**.48318**	**.02664**	**.98239**
Stddev	.0275	.00045	.0081	.166	.00015	.0101	.00070	.00017	.01109
%RSD	.81553	.97645	.71247	.52051	.42326	.99761	.14442	.64277	1.1287
#1	3.3594	.04668	1.1400	31.668	.03556	1.0102	.48253	.02649	.98379
#2	3.3994	.04584	1.1280	31.989	.03552	1.0257	.48308	.02682	.99271
#3	3.3467	.04654	1.1246	31.757	.03580	1.0067	.48392	.02660	.97066

Elem	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09503**	**.24430**	**.66692**	**8.1767**
Stddev	.00018	.00215	.00372	.0373
%RSD	.19448	.88085	.55812	.45564
#1	.09515	.24363	.66306	8.1681
#2	.09482	.24257	.66722	8.1444
#3	.09512	.24671	.67049	8.2174

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S2 Acquired: 7/9/2025 9:48:38 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3519.0	35070.	2735.1	2220.2	4946.2
Stddev	9.0	20.	22.1	6.6	6.1
%RSD	.25532	.05770	.80639	.29711	.12297
#1	3529.4	35060.	2747.5	2213.7	4953.2
#2	3513.9	35057.	2709.6	2220.1	4942.5
#3	3513.7	35094.	2748.1	2226.9	4942.8

Sample Name: S3 Acquired: 7/9/2025 9:52:54 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2144
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09919**	**.26354**	**.57355**	**.13858**	**.32700**	**.36367**	**19.106**	**1.3420**	**4.2611**
Stddev	.00031	.00061	.00157	.00056	.00114	.00224	.073	.0228	.0049
%RSD	.31217	.23305	.27365	.40351	.34922	.61570	.38214	1.6982	.11543
#1	.09910	.26284	.57175	.13799	.32736	.36555	19.069	1.3564	4.2577
#2	.09893	.26382	.57466	.13910	.32572	.36426	19.190	1.3539	4.2590
#3	.09953	.26396	.57424	.13864	.32791	.36120	19.059	1.3157	4.2668

Elem	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.1787**	**.14826**	**1.1050**	**2.8359**	**1.8732**	**.48041**	**.15326**	**.72140**	**.15015**
Stddev	.0053	.00024	.0013	.0524	.0278	.00190	.00143	.00107	.00048
%RSD	.45299	.16330	.11825	1.8490	1.4864	.39645	.93615	.14797	.32220
#1	1.1730	.14817	1.1037	2.8502	1.8880	.48150	.15167	.72049	.15063
#2	1.1836	.14808	1.1050	2.8797	1.8904	.48152	.15365	.72114	.15017
#3	1.1795	.14854	1.1063	2.7778	1.8410	.47821	.15446	.72258	.14966

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**10.274**	**.13980**	**3.4775**	**98.303**	**.11349**	**3.0695**	**1.4702**	**.08500**	**2.8956**
Stddev	.167	.00154	.0163	1.806	.00048	.0489	.0025	.00029	.0536
%RSD	1.6240	1.1011	.46790	1.8371	.42607	1.5926	.17256	.34627	1.8525
#1	10.333	.14000	3.4670	99.039	.11296	3.0741	1.4673	.08487	2.9063
#2	10.404	.14122	3.4962	99.624	.11391	3.1159	1.4711	.08480	2.9431
#3	10.086	.13816	3.4691	96.245	.11360	3.0185	1.4722	.08534	2.8375

Elem	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.29367**	**.74991**	**2.0674**	**24.929**
Stddev	.00039	.00370	.0101	.096
%RSD	.13386	.49315	.48985	.38577
#1	.29347	.74755	2.0607	24.860
#2	.29341	.75417	2.0791	25.039
#3	.29412	.74801	2.0626	24.888

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S3 Acquired: 7/9/2025 9:52:54 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3453.8	34015.	2727.3	2144.8	4683.8
Stddev	6.2	212.	27.0	10.4	6.8
%RSD	.17910	.62308	.98978	.48389	.14493
#1	3448.2	34164.	2725.4	2149.4	4676.1
#2	3452.8	34109.	2701.3	2152.0	4686.6
#3	3460.4	33772.	2755.2	2132.9	4688.8

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S4 Acquired: 7/9/2025 9:57:10 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2144
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.20483**	**.52669**	**1.1581**	**.27491**	**.64912**	**.71525**	**38.027**	**2.6074**	**8.6919**
Stddev	.00074	.00234	.0054	.00089	.00096	.00249	.048	.0099	.0332
%RSD	.36081	.44385	.46465	.32256	.14716	.34794	.12614	.37903	.38247
#1	.20565	.52924	1.1642	.27572	.64951	.71381	37.990	2.6051	8.7301
#2	.20461	.52619	1.1559	.27504	.64803	.71381	38.009	2.6182	8.6755
#3	.20421	.52465	1.1542	.27396	.64981	.71812	38.081	2.5988	8.6699

Elem	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.3358**	**.29318**	**2.2225**	**5.2855**	**3.5429**	**.94848**	**.30177**	**1.3267**	**.29109**
Stddev	.0084	.00103	.0047	.0271	.0160	.00099	.00067	.0035	.00053
%RSD	.35920	.35103	.21180	.51211	.45124	.10414	.22315	.26128	.18211
#1	2.3265	.29324	2.2275	5.2865	3.5369	.94788	.30215	1.3304	.29129
#2	2.3381	.29418	2.2181	5.3121	3.5610	.94794	.30217	1.3236	.29150
#3	2.3428	.29212	2.2221	5.2580	3.5308	.94962	.30099	1.3261	.29049

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20.927**	**.27918**	**6.8186**	**205.58**	**.23488**	**6.0286**	**2.9197**	**.17326**	**5.5065**
Stddev	.128	.00113	.0273	1.50	.00113	.0376	.0032	.00041	.0323
%RSD	.61024	.40597	.40047	.72943	.48244	.62424	.10992	.23879	.58610
#1	20.790	.27810	6.8153	204.93	.23615	6.0324	2.9194	.17370	5.4997
#2	21.043	.28036	6.8474	204.52	.23398	6.0642	2.9166	.17288	5.5416
#3	20.946	.27909	6.7931	207.30	.23451	5.9892	2.9230	.17318	5.4781

Elem	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.59967**	**1.4982**	**4.0867**	**49.612**
Stddev	.00250	.0034	.0081	.072
%RSD	.41682	.22534	.19874	.14481
#1	.60252	1.4947	4.0941	49.621
#2	.59784	1.4985	4.0881	49.537
#3	.59865	1.5015	4.0780	49.679

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S4 Acquired: 7/9/2025 9:57:10 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3368.7	33066.	2660.8	2087.9	4439.6
Stddev	16.0	68.	8.3	3.9	14.4
%RSD	.47622	.20671	.31137	.18666	.32497
#1	3387.0	32988.	2656.8	2090.1	4456.3
#2	3356.9	33092.	2655.2	2090.3	4431.2
#3	3362.2	33117.	2670.3	2083.4	4431.4

Sample Name: S5 Acquired: 7/9/2025 10:01:25 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2144
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.42016**	**1.0375**	**2.3187**	**.54977**	**1.2958**	**1.4305**	**75.682**	**5.1343**	**17.405**
Stddev	.00023	.0010	.0025	.00128	.0040	.0202	.271	.0892	.007
%RSD	.05411	.09129	.10614	.23367	.30817	1.4100	.35827	1.7374	.04151
#1	.41993	1.0367	2.3158	.54920	1.2960	1.4155	75.433	5.1229	17.397
#2	.42038	1.0385	2.3202	.54886	1.2917	1.4535	75.971	5.2287	17.409
#3	.42017	1.0373	2.3200	.55124	1.2997	1.4226	75.642	5.0514	17.410

Elem	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.6169**	**.57151**	**4.4571**	**10.324**	**6.9746**	**1.8926**	**.59417**	**2.6591**	**.57314**
Stddev	.0502	.00154	.0025	.188	.1173	.0168	.00677	.0010	.00110
%RSD	1.0864	.26906	.05633	1.8237	1.6818	.88988	1.1400	.03662	.19114
#1	4.5816	.57118	4.4545	10.303	6.9746	1.8801	.58806	2.6580	.57394
#2	4.6743	.57318	4.4595	10.522	7.0918	1.9118	.60145	2.6599	.57359
#3	4.5948	.57016	4.4572	10.147	6.8572	1.8861	.59300	2.6594	.57189

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**41.320**	**.56098**	**13.595**	**414.18**	**.48176**	**12.027**	**5.8394**	**.35631**	**10.716**
Stddev	.778	.00463	.075	1.79	.00052	.231	.0130	.00055	.207
%RSD	1.8836	.82552	.55007	.43176	.10714	1.9236	.22310	.15364	1.9326
#1	41.279	.55792	13.511	414.91	.48129	11.968	5.8324	.35685	10.667
#2	42.118	.56631	13.618	415.49	.48169	12.282	5.8314	.35575	10.944
#3	40.563	.55872	13.655	412.14	.48231	11.831	5.8544	.35632	10.538

Elem	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.1966**	**3.0214**	**7.9991**	**98.345**
Stddev	.0009	.0244	.1092	.437
%RSD	.07744	.80770	1.3649	.44388
#1	1.1970	3.0028	7.9160	98.022
#2	1.1955	3.0490	8.1227	98.842
#3	1.1972	3.0125	7.9585	98.172

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: S5 Acquired: 7/9/2025 10:01:25 Type: Cal
Method: METHOD 6010D, 200.7 M(v29) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3280.2	32882.	2637.8	2053.6	4242.9
Stddev	5.7	206.	24.1	20.4	7.3
%RSD	.17289	.62629	.91187	.99229	.17096
#1	3286.0	32900.	2643.5	2060.5	4249.9
#2	3279.8	33079.	2611.4	2069.6	4235.4
#3	3274.7	32668.	2658.4	2030.7	4243.4

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICV01 Acquired: 7/9/2025 10:05:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.661117**	**3.683280**	**3.696402**	**3.760027**	**3.907823**	**7.587196**
Stddev	.004162	.005024	.008477	.005642	.004152	.029670
%RSD	.1136767	.1363933	.2293225	.1500605	.1062536	.3910473
#1	3.661396	3.680089	3.693307	3.759117	3.903618	7.594563
#2	3.656822	3.689071	3.689908	3.754894	3.911920	7.612487
#3	3.665132	3.680680	3.705991	3.766068	3.907929	7.554536

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.770838**	**.1942114**	**1.858317**	**19.07424**	**.7843218**	**1.913381**
Stddev	.032391	.0006300	.002854	.01774	.0027390	.000811
%RSD	.4168307	.3244105	.1535617	.0930237	.3492169	.0424109
#1	7.733900	.1943129	1.859272	19.05456	.7812065	1.914089
#2	7.794391	.1935367	1.855108	19.08902	.7854073	1.912496
#3	7.784224	.1947845	1.860570	19.07915	.7863518	1.913558

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.004485**	**3.730078**	**1.922493**	**19.06548**	**1.885468**	**1.003480**
Stddev	.006025	.017752	.013513	.05458	.001278	.003230
%RSD	.5997791	.4759109	.7028822	.2862767	.0677806	.3219281
#1	1.001191	3.742383	1.907732	19.12714	1.885536	1.005220
#2	1.000827	3.709728	1.925494	19.02335	1.884158	.999753
#3	1.011439	3.738124	1.934253	19.04595	1.886711	1.005468

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.26843**	**1.935446**	**1.948988**	**18.51794**	F **.0244190**	**3.813507**
Stddev	.11648	.011215	.009148	.23721	.0020582	.024153
%RSD	.6044945	.5794440	.4693747	1.280994	8.428792	.6333437
#1	19.29106	1.924694	1.938626	18.78556	.0220434	3.791776
#2	19.14230	1.934570	1.955948	18.43467	.0256674	3.809235
#3	19.37193	1.947073	1.952388	18.33359	.0255462	3.839511

Sample Name: ICV01 Acquired: 7/9/2025 10:05:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.850954	F .0454292	F 3.579115	3.818096	3.828550	F .0313999
Stddev	.004255	.0042509	.026702	.011795	.019401	.0019115
%RSD	.1104808	9.357293	.7460439	.3089323	.5067371	6.087487
#1	3.855434	.0502926	3.558405	3.819799	3.806825	.0310104
#2	3.846968	.0424220	3.569687	3.805541	3.834680	.0334762
#3	3.850460	.0435731	3.609251	3.828947	3.844145	.0297132

Elem	Sr4077
Units	ppm
Avg	F .0003426
Stddev	.0001516
%RSD	44.24443
#1	.0002026
#2	.0005036
#3	.0003215

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3418.697	33396.95	2713.967	2105.896	4617.983
Stddev	12.229	130.19	11.969	11.503	16.039
%RSD	.3577168	.3898358	.4410259	.5462196	.3473183
#1	3404.771	33247.30	2704.132	2093.231	4599.825
#2	3423.636	33484.13	2727.294	2108.761	4630.220
#3	3427.684	33459.43	2710.475	2115.695	4623.905

Sample Name: LLICV01 Acquired: 7/9/2025 10:17:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0207884**	**.0377085**	**.0112376**	**.0213376**	**.0495420**	**.0960810**
Stddev	.0015348	.0021712	.0017657	.0026507	.0023786	.0243914
%RSD	7.383124	5.757921	15.71233	12.42286	4.801186	25.38625
#1	.0200648	.0401763	.0106510	.0222758	.0472946	.0845264
#2	.0225513	.0360915	.0098398	.0233917	.0520331	.1241026
#3	.0197492	.0368578	.0132219	.0183454	.0492983	.0796141

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1007240**	**.0060651**	**.0053980**	**1.939193**	**.0102714**	**.0283923**
Stddev	.0008235	.0001045	.0001203	.033089	.0002631	.0002157
%RSD	.8175634	1.722502	2.228744	1.706323	2.561452	.7597966
#1	.0998831	.0059629	.0053018	1.972779	.0103224	.0286269
#2	.1015289	.0061717	.0053594	1.938176	.0099865	.0283474
#3	.1007599	.0060606	.0055329	1.906624	.0105052	.0282026

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0227395**	**.1172630**	**.0229714**	**2.099758**	**.0378215**	**.0094637**
Stddev	.0004807	.0036293	.0011042	.032656	.0005789	.0011790
%RSD	2.113878	3.094967	4.806719	1.555214	1.530703	12.45764
#1	.0222728	.1146121	.0227288	2.082095	.0379348	.0104130
#2	.0227126	.1213994	.0241767	2.079737	.0383354	.0081440
#3	.0232330	.1157777	.0220088	2.137440	.0371943	.0098341

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.766955**	**.0376624**	**.0420510**	**1.763017**	**.0205014**	**.1035671**
Stddev	.007428	.0008131	.0004544	.014542	.0002264	.0023479
%RSD	.4204096	2.159002	1.080507	.8248588	1.104487	2.267047
#1	1.760589	.0385720	.0425702	1.757811	.0206953	.1049740
#2	1.765159	.0374092	.0417258	1.751795	.0202525	.1048707
#3	1.775117	.0370060	.0418570	1.779446	.0205562	.1008566

Sample Name: LLICV01 Acquired: 7/9/2025 10:17:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1963992	.0198623	.3779282	.0372899	.0405779	F .0306628
Stddev	.0009059	.0018820	.0031135	.0010155	.0062222	.0110621
%RSD	.4612474	9.475268	.8238305	2.723300	15.33393	36.07671
#1	.1974150	.0177246	.3760428	.0382779	.0378382	.0222926
#2	.1956751	.0205926	.3762199	.0362489	.0361957	.0264918
#3	.1961075	.0212698	.3815219	.0373428	.0476998	.0432041

Elem	Sr4077
Units	ppm
Avg	.0204867
Stddev	.0002070
%RSD	1.010603
#1	.0203414
#2	.0207238
#3	.0203950

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3504.933	34593.00	2723.566	2171.362	5107.775
Stddev	17.377	73.51	18.312	6.048	16.961
%RSD	.4957827	.2124903	.6723558	.2785164	.3320553
#1	3516.867	34518.50	2736.800	2164.380	5119.860
#2	3484.997	34595.02	2731.230	2174.715	5088.386
#3	3512.936	34665.48	2702.667	2174.990	5115.078

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICB01 Acquired: 7/9/2025 10:22:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001245**	**.0020987**	**.0001869**	**.0067579**	**.0024045**	**.0311219**	**.0002964**
Stddev	.003730	.0014635	.0014962	.0020741	.0021237	.0101878	.0007173
%RSD	299.6638	69.73551	800.7295	30.69168	88.32032	32.73505	242.0223
#1	-.003030	.0018071	-.000191	.0043737	.0000983	.0268936	-.000494
#2	.003043	.0008029	.001836	.0081469	.0042795	.0427429	.000477
#3	-.003747	.0036860	-.001084	.0077530	.0028357	.0237290	.000906

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001313**	**-.000008**	**-.044983**	**.0001949**	**.0001507**	**.0015649**	**.0253747**
Stddev	.0001383	.000029	.016581	.0007608	.0001638	.0003977	.0021717
%RSD	105.2811	347.9316	36.85976	390.3267	108.7188	25.41509	8.558405
#1	.0000735	-.000002	-.025874	.0001246	.0000577	.0011074	.0277175
#2	.0002892	.000017	-.053517	.0009884	.0003398	.0018283	.0234290
#3	.0000314	-.000039	-.055558	-.000528	.0000545	.0017590	.0249775

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0074635**	**-.079647**	**.0003524**	**.0003440**	**.0023786**	**-.007988**	**.0042082**
Stddev	.0010942	.028717	.0001338	.0008649	.0140672	.012259	.0005568
%RSD	14.66059	36.05524	37.97165	251.4127	591.4176	153.4546	13.23180
#1	.0065567	-.080454	.0004025	.0006757	.0171108	.003279	.0048467
#2	.0086788	-.107953	.0002008	-.000638	.0009377	-.006202	.0038235
#3	.0071550	-.050536	.0004540	.000994	-.010913	-.021042	.0039543

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0302548**	**.0027964**	**.0023702**	**.0005143**	**.0008682**	**.0006598**	**-.004159**
Stddev	.0007357	.0030260	.0021814	.0000393	.0019111	.0019715	.000447
%RSD	2.431863	108.2098	92.03490	7.644552	220.1396	298.7828	10.74104
#1	.0310232	.0049257	.0048887	.0005595	.0024882	.0028751	-.004519
#2	.0295567	-.000667	.0010737	.0004955	-.001240	-.000902	-.004297
#3	.0301844	.004131	.0011481	.0004880	.001356	.000006	-.003659

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICB01 Acquired: 7/9/2025 10:22:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002769	.0076279	.0002798
Stddev	.002750	.0119835	.0001333
%RSD	99.31251	157.1015	47.64585
#1	-.002365	.0005914	.0003425
#2	-.005698	.0214645	.0003703
#3	-.000243	.0008277	.0001267

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3466.126	34132.85	2686.322	2138.661	5073.254
Stddev	3.337	189.65	28.080	10.425	11.711
%RSD	.0962733	.5556121	1.045294	.4874487	.2308451
#1	3469.853	33914.28	2659.239	2129.492	5084.686
#2	3465.108	34253.73	2684.424	2136.490	5061.282
#3	3463.417	34230.55	2715.303	2150.000	5073.794

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CRI01 Acquired: 7/9/2025 10:26:42 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0142021**	**.0384151**	**.0114804**	**.0227736**	**.0535644**	**.1144074**
Stddev	.0022209	.0019382	.0019734	.0017595	.0017281	.0239213
%RSD	15.63757	5.045294	17.18910	7.725903	3.226197	20.90889
#1	.0166728	.0403822	.0103138	.0238547	.0521420	.1305769
#2	.0135619	.0383558	.0137588	.0237228	.0530637	.1257170
#3	.0123717	.0365073	.0103686	.0207434	.0554876	.0869283

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1039622**	**.0063258**	**.0055123**	**1.930063**	**.0106590**	**.0290724**
Stddev	.0007042	.0002374	.0000533	.026043	.0002062	.0003063
%RSD	.6773592	3.753373	.9671517	1.349324	1.934426	1.053657
#1	.1031494	.0062294	.0055534	1.902619	.0106672	.0292592
#2	.1043872	.0065962	.0054520	1.933140	.0108609	.0287188
#3	.1043502	.0061516	.0055313	1.954431	.0104488	.0292390

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0240682**	**.1186547**	**.0226073**	**2.060034**	**.0382423**	**.0115914**
Stddev	.0022602	.0026035	.0005706	.099864	.0006280	.0019987
%RSD	9.390993	2.194184	2.523870	4.847708	1.642187	17.24333
#1	.0263450	.1210895	.0219903	2.064455	.0381838	.0094944
#2	.0218249	.1189644	.0231159	1.958033	.0376457	.0118049
#3	.0240348	.1159102	.0227159	2.157615	.0388976	.0134748

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.833872**	**.0320270**	**.0431394**	**1.709791**	**.0242425**	**.0999538**
Stddev	.005419	.0060037	.0009859	.012156	.0029883	.0013079
%RSD	.2954935	18.74568	2.285354	.7109827	12.32678	1.308541
#1	1.840081	.0374262	.0424935	1.720669	.0210768	.1009371
#2	1.830093	.0255617	.0426504	1.696669	.0246364	.0984694
#3	1.831443	.0330930	.0442742	1.712035	.0270144	.1004549

Sample Name: CRI01 Acquired: 7/9/2025 10:26:42 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2033312	.0179964	.3860551	.0391818	.0362253	F .0267715
Stddev	.0012010	.0041009	.0054993	.0008577	.0070995	.0049674
%RSD	.5906554	22.78743	1.424476	2.188917	19.59823	18.55465
#1	.2025032	.0135251	.3921441	.0392711	.0280293	.0318403
#2	.2027819	.0215823	.3814502	.0382830	.0404753	.0265621
#3	.2047087	.0188817	.3845708	.0399913	.0401712	.0219122

Elem	Sr4077
Units	ppm
Avg	.0210202
Stddev	.0002769
%RSD	1.317511
#1	.0213378
#2	.0208930
#3	.0208296

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3423.255	33900.08	2666.481	2113.560	5004.500
Stddev	1.904	286.65	18.821	15.099	3.470
%RSD	.0556105	.8455620	.7058272	.7143904	.0693432
#1	3424.720	34206.78	2649.597	2129.848	5005.538
#2	3421.104	33638.95	2686.773	2100.030	5007.333
#3	3423.942	33854.53	2663.073	2110.803	5000.629

Sample Name: ICSA01 Acquired: 7/9/2025 10:31:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054599**	**.0166599**	**-.005640**	**-.011150**	**.0232560**	**245.4509**
Stddev	.0042754	.0034538	.003133	.002693	.0050309	.4104
%RSD	78.30494	20.73116	55.54575	24.15449	21.63282	.1672157
#1	.0007000	.0204307	-.003672	-.014192	.0174670	245.5829
#2	.0089740	.0136501	-.009253	-.009070	.0265698	244.9908
#3	.0067057	.0158987	-.003996	-.010187	.0257313	245.7791

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0080238**	**.0015005**	**-.000426**	**241.5676**	**.0521826**	**.0270468**
Stddev	.0002683	.0001395	.000123	.8497	.0005946	.0004154
%RSD	3.344385	9.296894	28.94254	.3517342	1.139520	1.535703
#1	.0079976	.0013936	-.000348	241.8261	.0521895	.0274374
#2	.0083042	.0016583	-.000361	240.6187	.0515846	.0270926
#3	.0077695	.0014495	-.000568	242.2579	.0527738	.0266105

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004738**	**96.82066**	**.0033734**	**242.2692**	**.0134623**	**-.002413**
Stddev	.000761	.58571	.0021689	.3198	.0003227	.000991
%RSD	16.06145	.6049459	64.29509	.1320063	2.396886	41.05784
#1	-.005023	97.47394	.0011499	242.6054	.0138127	-.001552
#2	-.005315	96.34244	.0054834	241.9688	.0133966	-.003495
#3	-.003876	96.64560	.0034869	242.2334	.0131775	-.002190

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1192904**	**.0017496**	**.0109219**	**.0105834**	**.0167105**	**.0364229**
Stddev	.0116508	.0053289	.0003618	.0004910	.0016100	.0018453
%RSD	9.766745	304.5777	3.312599	4.638911	9.634668	5.066204
#1	.1081321	-.000164	.0106809	.0111216	.0153558	.0356849
#2	.1183611	-.002358	.0113379	.0104687	.0162852	.0385230
#3	.1313780	.007771	.0107469	.0101600	.0184904	.0350609

Sample Name: ICSA01 Acquired: 7/9/2025 10:31:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008440	F .0304854	-.009988	.0085715	-.006759	F .0245939
Stddev	.000596	.0012627	.002174	.0013541	.003052	.0068042
%RSD	7.064355	4.142035	21.77198	15.79773	45.15170	27.66641
#1	-.007897	.0301369	-.008146	.0072673	-.006453	.0173001
#2	-.009078	.0294336	-.012387	.0099705	-.003872	.0257112
#3	-.008345	.0318858	-.009430	.0084767	-.009953	.0307703

Elem	Sr4077
Units	ppm
Avg	F .1049710
Stddev	.0008758
%RSD	.8343458
#1	.1055952
#2	.1039699
#3	.1053480

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3147.439	29702.84	2542.018	1930.619	4017.099
Stddev	2.514	109.65	19.491	9.328	4.541
%RSD	.0798683	.3691712	.7667495	.4831578	.1130404
#1	3148.245	29726.67	2525.578	1933.473	4012.202
#2	3144.621	29583.23	2563.549	1920.198	4017.925
#3	3149.450	29798.62	2536.928	1938.187	4021.170

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICSAB01 Acquired: 7/9/2025 10:35:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0986193**	**.1008295**	**.0385619**	**.0401878**	**.6210472**	**244.9279**
Stddev	.0015609	.0043842	.0008536	.0059479	.0034731	.4378
%RSD	1.582731	4.348128	2.213599	14.80027	.5592351	.1787489
#1	.0975015	.1034676	.0389595	.0468461	.6248374	244.6288
#2	.1004026	.1032522	.0391441	.0354000	.6180171	245.4304
#3	.0979536	.0957686	.0375820	.0383174	.6202872	244.7246

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5285781**	**.5140792**	**.9844558**	**240.7704**	**.5545486**	**.5057381**
Stddev	.0028388	.0043165	.0079647	.5977	.0033543	.0015233
%RSD	.5370684	.8396566	.8090500	.2482476	.6048664	.3012024
#1	.5278993	.5104926	.9922764	240.1114	.5528870	.5073336
#2	.5261402	.5188699	.9847366	241.2774	.5523495	.5055816
#3	.5316948	.5128752	.9763544	240.9225	.5584094	.5042990

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4794237**	**98.19819**	**.4976462**	**242.8435**	**.9663593**	**.2085198**
Stddev	.0046937	.52573	.0021554	.6254	.0059458	.0002515
%RSD	.9790337	.5353777	.4331122	.2575173	.6152778	.1206115
#1	.4776695	97.73462	.4951743	242.3105	.9722178	.2087785
#2	.4847418	98.76942	.4986314	243.5319	.9665302	.2082762
#3	.4758597	98.09054	.4991329	242.6880	.9603299	.2085048

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1001519**	**.4889499**	**1.030500**	**.0094004**	F **.0258309**	**1.037506**
Stddev	.0229350	.0049207	.003954	.0027132	.0037024	.009206
%RSD	22.90018	1.006390	.3836855	28.86302	14.33332	.8873043
#1	.1014936	.4833878	1.030028	.0101835	.0216651	1.029737
#2	.1223866	.4907253	1.026803	.0116360	.0287458	1.047674
#3	.0765756	.4927365	1.034669	.0063817	.0270818	1.035108

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICSAB01 Acquired: 7/9/2025 10:35:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.009865	F .0387250	.9212299	1.042677	1.033026	F .0132480
Stddev	.000234	.0041970	.0072344	.005837	.006235	.0014228
%RSD	.0232153	10.83790	.7852953	.5597819	.6035312	10.73974
#1	1.009819	.0434204	.9129833	1.047197	1.031373	.0120223
#2	1.010118	.0353381	.9241997	1.044745	1.027785	.0129134
#3	1.009656	.0374166	.9265068	1.036087	1.039921	.0148083

Elem	Sr4077
Units	ppm
Avg	F .1040315
Stddev	.0002593
%RSD	.2492862
#1	.1043298
#2	.1038597
#3	.1039050

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3109.315	29226.81	2473.079	1899.302	3962.540
Stddev	5.923	54.25	17.729	1.570	14.345
%RSD	.1904873	.1856060	.7168826	.0826423	.3620119
#1	3109.780	29230.39	2488.642	1900.610	3960.815
#2	3103.174	29279.18	2453.780	1897.562	3949.135
#3	3114.992	29170.87	2476.815	1899.736	3977.669

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICSADLX20 Acquired: 7/9/2025 10:39:57 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001927**	**-.001052**	**.0012057**	**.0045670**	**.0028223**	**12.77911**	**.0001675**
Stddev	.000617	.002082	.0021647	.0016588	.0030462	.09472	.0016800
%RSD	32.02802	197.8278	179.5434	36.32181	107.9335	.7412452	1003.224
#1	-.001476	.000857	-.000022	.0033085	-.000695	12.85177	.0013126
#2	-.002631	-.000743	-.000066	.0064468	.004554	12.81359	-.001761
#3	-.001676	-.003271	.003705	.0039458	.004608	12.67198	.000951

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001796**	**-.000236**	**12.66777**	**.0015271**	**.0059819**	**.0019901**	**5.412567**
Stddev	.0002074	.000030	.08630	.0004310	.0005185	.0005633	.016212
%RSD	115.5027	12.66825	.6812372	28.22398	8.667259	28.30338	.2995250
#1	.0000320	-.000216	12.71582	.0020082	.0063753	.0014390	5.405072
#2	.0004167	-.000222	12.71935	.0011762	.0061759	.0025648	5.401458
#3	.0000900	-.000270	12.56814	.0013969	.0053944	.0019665	5.431170

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012802**	**12.94484**	**-.000200**	**-.000314**	**-.006158**	**-.007971**	**.0010760**
Stddev	.0000284	.02433	.000119	.000401	.008843	.007377	.0001616
%RSD	2.214686	.1879147	59.48511	127.8336	143.5954	92.55180	15.02142
#1	.0012474	12.96974	-.000192	.000118	.001692	-.013751	.0011959
#2	.0012964	12.94363	-.000322	-.000386	-.004429	-.010499	.0008922
#3	.0012967	12.92114	-.000085	-.000674	-.015738	.000338	.0011401

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029529**	**.0056838**	**.0020674**	**-.001641**	**.0012311**	**-.001322**	**.0023958**
Stddev	.0009961	.0038371	.0013119	.000586	.0052957	.001653	.0008029
%RSD	33.73135	67.50882	63.45471	35.71163	430.1566	125.0302	33.51405
#1	.0021621	.0043077	.0028123	-.001096	.0071949	.000261	.0033113
#2	.0040716	.0027246	.0028372	-.001566	-.000581	-.003036	.0018116
#3	.0026251	.0100192	.0005527	-.002261	-.002921	-.001191	.0020644

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICSADLX20 Acquired: 7/9/2025 10:39:57 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**-.004404**	**.0057244**	**.0055370**
Stddev	.002208	.0044045	.0000904
%RSD	50.13819	76.94292	1.632856
#1	-.005942	.0020730	.0054748
#2	-.005397	.0044840	.0054955
#3	-.001874	.0106160	.0056407

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3428.774**	**33034.13**	**2605.826**	**2087.984**	**4847.218**
Stddev	4.206	163.86	6.274	14.719	4.937
%RSD	.1226823	.4960297	.2407821	.7049575	.1018471
#1	3432.294	32991.16	2610.367	2077.328	4843.587
#2	3424.115	32896.04	2598.667	2081.845	4845.229
#3	3429.913	33215.20	2608.446	2104.779	4852.839

Sample Name: ICSABDLX20 Acquired: 7/9/2025 10:44:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047927**	**.0054558**	**.0007810**	**-.000756**	**.0294122**	**11.95593**	**.0277489**
Stddev	.0029989	.0014089	.0011784	.003796	.0007909	.07048	.0010053
%RSD	62.57242	25.82434	150.8869	502.2412	2.689095	.5894750	3.623040
#1	.0021817	.0065088	-.000476	-.004580	.0289720	11.87764	.0281166
#2	.0041283	.0060033	.001861	-.000698	.0303253	12.01431	.0285186
#3	.0080681	.0038553	.000958	.003011	.0289393	11.97583	.0266114

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0248416**	**.0442429**	**11.80406**	**.0263688**	**.0281552**	**.0258311**	**5.066721**
Stddev	.0004120	.0002458	.05185	.0002079	.0001428	.0013416	.059894
%RSD	1.658640	.5556582	.4392254	.7884059	.5072066	5.193669	1.182100
#1	.0244631	.0442436	11.74779	.0261291	.0282183	.0242884	5.013276
#2	.0247811	.0439966	11.81449	.0265004	.0282555	.0267249	5.055432
#3	.0252805	.0444883	11.84989	.0264769	.0279917	.0264798	5.131457

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0278914**	**12.24692**	**.0441474**	**.0090511**	**-.000406**	**.0152665**	**.0495648**
Stddev	.0014718	.13773	.0002921	.0015077	.018372	.0075022	.0004164
%RSD	5.276934	1.124594	.6615741	16.65776	4522.305	49.14176	.8400924
#1	.0267843	12.16799	.0442525	.0073418	-.001482	.0218732	.0494563
#2	.0273282	12.16681	.0438173	.0101918	.018480	.0071106	.0500247
#3	.0295616	12.40595	.0443723	.0096197	-.018216	.0168154	.0492134

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002942**	**.0033719**	**.0476502**	**.0473602**	**.0014658**	**.0403665**	**.0491396**
Stddev	.001489	.0010369	.0009687	.0003120	.0070977	.0018941	.0013671
%RSD	50.60191	30.75063	2.033007	.6587000	484.2384	4.692272	2.782171
#1	-.004597	.0032182	.0467517	.0476122	-.006001	.0399521	.0491355
#2	-.001713	.0044771	.0486765	.0470113	.008126	.0387139	.0505087
#3	-.002516	.0024205	.0475225	.0474572	.002272	.0424335	.0477745

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: ICSABDLX20 Acquired: 7/9/2025 10:44:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0437210	-.001514	.0050979
Stddev	.0025281	.003053	.0002284
%RSD	5.782447	201.6870	4.480397
#1	.0435993	-.000710	.0049942
#2	.0412558	.001057	.0049397
#3	.0463077	-.004888	.0053597

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3420.077	33545.37	2670.376	2106.023	4849.224
Stddev	12.239	47.79	22.289	11.973	16.627
%RSD	.3578714	.1424722	.8346687	.5685037	.3428750
#1	3432.938	33498.13	2692.239	2093.338	4865.309
#2	3408.572	33544.28	2671.203	2107.604	4832.104
#3	3418.721	33593.70	2647.685	2117.127	4850.261

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV01 Acquired: 7/9/2025 10:48:44 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.992276**	**5.098130**	**5.035488**	**5.082507**	**5.066875**	**10.25188**	**10.70072**
Stddev	.016902	.010034	.015799	.010903	.007606	.02250	.01950
%RSD	.3385592	.1968166	.3137566	.2145105	.1501084	.2194853	.1822514
#1	4.978855	5.086582	5.020133	5.075489	5.064182	10.27780	10.70523
#2	4.986716	5.103091	5.034634	5.076965	5.060983	10.24046	10.71757
#3	5.011258	5.104718	5.051697	5.095067	5.075462	10.23738	10.67936

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2593458**	**2.515740**	**25.40773**	**1.027164**	**2.476944**	**1.293129**	**5.013823**
Stddev	.0012220	.004806	.13955	.003826	.007009	.006679	.027429
%RSD	.4711842	.1910332	.5492511	.3724474	.2829610	.5164820	.5470590
#1	.2605401	2.511099	25.56844	1.031401	2.469073	1.296616	5.041444
#2	.2580979	2.515424	25.33766	1.026128	2.479249	1.285428	4.986591
#3	.2593994	2.520695	25.31710	1.023964	2.482510	1.297341	5.013433

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.619839**	**24.67952**	**2.467577**	**1.258885**	**26.53214**	**2.627522**	**2.631170**
Stddev	.009216	.16604	.004798	.000937	.01949	.010897	.010385
%RSD	.3517623	.6727789	.1944308	.0744111	.0734500	.4147336	.3947039
#1	2.612601	24.86283	2.462880	1.259967	26.55438	2.618262	2.619239
#2	2.630213	24.53921	2.467382	1.258347	26.51803	2.639530	2.636089
#3	2.616701	24.63652	2.472469	1.258341	26.52402	2.624774	2.638182

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.83155**	**5.096281**	**5.269900**	**5.140093**	**4.977891**	**5.199053**	**5.065958**
Stddev	.18012	.010035	.031039	.017226	.012453	.022822	.002667
%RSD	.6972966	.1968995	.5889792	.3351305	.2501609	.4389664	.0526512
#1	25.82702	5.101994	5.295974	5.122775	4.966056	5.215257	5.062982
#2	26.01389	5.084694	5.235567	5.140277	4.976735	5.172953	5.066757
#3	25.65373	5.102154	5.278158	5.157226	4.990881	5.208949	5.068134

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV01 Acquired: 7/9/2025 10:48:44 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.242764**	**5.036789**	**5.288418**
Stddev	.023464	.009495	.008973
%RSD	.4475583	.1885082	.1696813
#1	5.249538	5.047002	5.295686
#2	5.262097	5.035136	5.291181
#3	5.216658	5.028230	5.278389

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3282.439**	**31779.85**	**2519.152**	**1998.874**	**4374.613**
Stddev	15.816	117.22	4.372	12.069	24.324
%RSD	.4818271	.3688455	.1735488	.6038093	.5560293
#1	3299.900	31878.17	2515.500	2012.320	4400.585
#2	3269.075	31650.13	2523.996	1988.977	4352.367
#3	3278.341	31811.25	2517.959	1995.327	4370.887

Sample Name: CCB01 Acquired: 7/9/2025 10:57:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016790**	**-.001254**	**-.000802**	**.0030205**	**-.000130**	**.0021405**	**.0024010**
Stddev	.0006760	.001110	.000940	.0075838	.002066	.0287497	.0008268
%RSD	40.26262	88.55351	117.1695	251.0816	1591.776	1343.148	34.43679
#1	.0014399	-.002273	-.000657	.0105750	.000988	-.026789	.0022718
#2	.0011550	-.001417	-.001807	.0030785	.001136	.002504	.0032848
#3	.0024420	-.000071	.000056	-.004592	-.002514	.030706	.0016464

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000091**	**-.000058**	**-.082393**	**.0004647**	**-.000141**	**.0012215**	**.0001466**
Stddev	.000034	.000040	.022047	.0006104	.000572	.0008406	.0037151
%RSD	37.76718	68.11514	26.75825	131.3446	405.2093	68.82036	2534.110
#1	-.000114	-.000104	-.106807	.0005086	-.000722	.0003844	.0043153
#2	-.000051	-.000033	-.063939	.0010520	.000421	.0012144	-.001061
#3	-.000106	-.000038	-.076433	-.000166	-.000122	.0020657	-.002814

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015684**	**-.061753**	**.0001496**	**-.000735**	**-.005683**	**-.000499**	**.0002667**
Stddev	.0011757	.031295	.0005064	.000475	.003278	.001225	.0004741
%RSD	74.95896	50.67804	338.5656	64.63823	57.68948	245.4465	177.7353
#1	.0002518	-.028403	-.000010	-.000937	-.008911	-.000891	.0002495
#2	.0019400	-.066377	-.000258	-.000192	-.005782	.000874	.0007492
#3	.0025133	-.090479	.000716	-.001077	-.002356	-.001480	-.000198

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010642**	**.0020705**	**.0019810**	**-.000066**	**-.000650**	**-.003813**	**-.000017**
Stddev	.0001132	.0022335	.0008540	.000828	.004563	.001078	.001055
%RSD	10.64066	107.8728	43.11245	1250.309	701.5005	28.26281	6150.264
#1	.0010622	.0046246	.0009968	-.000509	-.003796	-.003157	.000427
#2	.0011784	.0011026	.0025272	.000890	.004582	-.005057	-.001222
#3	.0009519	.0004842	.0024189	-.000579	-.002737	-.003224	.000743

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB01 Acquired: 7/9/2025 10:57:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.006744	.0106232	.0001952
Stddev	.008499	.0052324	.0002632
%RSD	126.0208	49.25448	134.8428
#1	.002916	.0048107	.0004469
#2	-.010078	.0121015	-.000078
#3	-.013071	.0149575	.000217

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3437.555	33567.19	2598.024	2094.646	5090.960
Stddev	6.379	68.47	23.472	10.255	19.506
%RSD	.1855695	.2039822	.9034648	.4895746	.3831450
#1	3443.961	33592.95	2615.718	2102.291	5104.838
#2	3437.501	33489.57	2606.958	2082.992	5099.384
#3	3431.203	33619.05	2571.397	2098.654	5068.658

Sample Name: Q2425-01 Acquired: 7/9/2025 11:02:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1145396**	**-.012740**	**1.814207**	**.0530036**	**.0172840**	**139.3261**
Stddev	.0069398	.004317	.001334	.0014245	.0008054	.3691
%RSD	6.058851	33.88265	.0735408	2.687646	4.659942	.2649326
#1	.1216898	-.009601	1.812976	.0537706	.0170547	139.1992
#2	.1078314	-.017662	1.814020	.0538802	.0166180	139.7419
#3	.1140975	-.010956	1.815624	.0513598	.0181792	139.0371

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.333148**	**.0132598**	**.0032041**	**33.73924**	**.1801930**	**.1385046**
Stddev	.003053	.0001074	.0000421	.10560	.0006568	.0003638
%RSD	.2289912	.8096811	1.314203	.3129978	.3644718	.2626670
#1	1.331244	.0131542	.0032482	33.70135	.1794671	.1389119
#2	1.336669	.0133688	.0031997	33.85856	.1807460	.1382119
#3	1.331532	.0132564	.0031643	33.65780	.1803660	.1383898

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.203134**	**240.2032**	**5.960093**	**22.12050**	**.1997925**	**-.005477**
Stddev	.019378	1.7257	.019828	.01435	.0006166	.001421
%RSD	1.610600	.7184325	.3326737	.0648907	.3085949	25.94607
#1	1.182211	240.1644	5.937955	22.11937	.1991876	-.006976
#2	1.220463	241.9480	5.976217	22.13539	.2004201	-.004148
#3	1.206729	238.4973	5.966106	22.10675	.1997698	-.005308

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8985008**	**.3476265**	**1.196643**	**9.923057**	F **18.19115**	**.1054573**
Stddev	.0095393	.0050638	.003355	.091120	.01675	.0020823
%RSD	1.061695	1.456693	.2803753	.9182649	.0920558	1.974527
#1	.8892212	.3500234	1.196935	9.900699	18.17656	.1078576
#2	.9082802	.3510470	1.199843	10.02328	18.20944	.1043789
#3	.8980010	.3418092	1.193152	9.84520	18.18746	.1041354

Sample Name: Q2425-01 Acquired: 7/9/2025 11:02:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018087	1.047461	F 23.75074	.2065049	3.815637	.1635742
Stddev	.0005212	.003710	.36447	.0004735	.006174	.0055600
%RSD	28.81870	.3541632	1.534547	.2293148	.1618126	3.399038
#1	.0018131	1.051745	23.35117	.2060617	3.813758	.1585942
#2	.0023277	1.045304	24.06494	.2070038	3.822532	.1625554
#3	.0012852	1.045335	23.83611	.2064492	3.810620	.1695732

Elem	Sr4077
Units	ppm
Avg	.3011059
Stddev	.0008664
%RSD	.2877239
#1	.3008201
#2	.3020790
#3	.3004185

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4749.996	45564.43	3760.582	2884.883	4465.717
Stddev	6.328	402.67	25.593	27.130	5.387
%RSD	.1332225	.8837430	.6805557	.9404153	.1206247
#1	4756.435	45136.26	3779.056	2854.636	4471.185
#2	4749.767	45621.52	3731.369	2892.946	4460.415
#3	4743.785	45935.52	3771.320	2907.068	4465.553

Sample Name: Q2425-02 Acquired: 7/9/2025 11:06:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1175003**	**.0038586**	**2.016991**	**.0315439**	**.0089508**	**102.9638**
Stddev	.0015698	.0031381	.005659	.0023897	.0017931	.1687
%RSD	1.335952	81.32812	.2805912	7.575781	20.03324	.1638646
#1	.1165328	.0054672	2.020028	.0327520	.0070379	102.7881
#2	.1193115	.0002423	2.020484	.0330884	.0092209	103.1246
#3	.1166566	.0058662	2.010461	.0287914	.0105936	102.9786

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.573420**	**.0127801**	**.0040108**	**30.11456**	**.1322777**	**.1341860**
Stddev	.005537	.0000991	.0001255	.05340	.0011053	.0003915
%RSD	.3519394	.7750971	3.129873	.1773197	.8355849	.2917653
#1	1.570691	.0127709	.0041294	30.08964	.1313184	.1346352
#2	1.569777	.0128834	.0040238	30.07817	.1334864	.1339176
#3	1.579792	.0126860	.0038794	30.17586	.1320282	.1340052

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2629199**	**143.1129**	**7.868459**	**13.84610**	**.1848441**	**-.000663**
Stddev	.0017102	1.1632	.021921	.01888	.0011317	.000862
%RSD	.6504705	.8127939	.2785951	.1363367	.6122553	130.0955
#1	.2611329	143.0606	7.861257	13.86340	.1858485	.000070
#2	.2645414	141.9768	7.851045	13.84894	.1836179	-.001613
#3	.2630853	144.3014	7.893076	13.82597	.1850659	-.000445

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.015200**	**.2093640**	**.6489535**	**10.69820**	F **36.07074**	**.0641566**
Stddev	.005233	.0065821	.0039461	.03350	.02117	.0021763
%RSD	.5155113	3.143874	.6080670	.3131139	.0586844	3.392232
#1	1.009160	.2095503	.6453029	10.66548	36.08461	.0631310
#2	1.018390	.2026907	.6531402	10.69668	36.04637	.0626827
#3	1.018051	.2158510	.6484175	10.73242	36.08124	.0666563

Sample Name: Q2425-02 Acquired: 7/9/2025 11:06:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008538	2.230049	F 18.40649	.2073219	2.133012	.1004566
Stddev	.0002939	.012217	.13632	.0006998	.007737	.0060072
%RSD	34.41878	.5478445	.7406126	.3375289	.3627167	5.979927
#1	.0009585	2.240436	18.26035	.2066164	2.133656	.0941215
#2	.0005219	2.233122	18.53022	.2073335	2.124973	.1011774
#3	.0010809	2.216588	18.42889	.2080158	2.140406	.1060710

Elem	Sr4077
Units	ppm
Avg	.2850147
Stddev	.0011613
%RSD	.4074570
#1	.2845975
#2	.2841196
#3	.2863269

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6255.371	60153.29	5001.756	3813.893	4423.781
Stddev	20.557	108.72	12.451	3.273	14.529
%RSD	.3286328	.1807408	.2489314	.0858186	.3284378
#1	6241.756	60030.87	5015.996	3816.087	4413.091
#2	6245.340	60238.61	4996.348	3810.131	4417.929
#3	6279.019	60190.38	4992.923	3815.461	4440.324

Sample Name: Q2425-03 Acquired: 7/9/2025 11:11:15 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1471406**	**-.032102**	**.2877480**	**.0855396**	**.0233488**	**230.9598**
Stddev	.0046038	.002912	.0027456	.0066609	.0018721	.7074
%RSD	3.128874	9.072144	.9541775	7.786905	8.017741	.3062667
#1	.1523504	-.033399	.2909017	.0931658	.0218621	231.5319
#2	.1436197	-.034139	.2864527	.0808613	.0254511	231.1786
#3	.1454517	-.028766	.2858897	.0825917	.0227331	230.1689

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9173856**	**.0180180**	**-.000594**	**24.19836**	**.3162212**	**.1438557**
Stddev	.0028053	.0002095	.000155	.12238	.0026544	.0004814
%RSD	.3057892	1.162508	26.03529	.5057257	.8394110	.3346671
#1	.9189709	.0177800	-.000772	24.29158	.3132234	.1433002
#2	.9190392	.0180998	-.000506	24.24372	.3171672	.1441151
#3	.9141466	.0181742	-.000503	24.05978	.3182730	.1441519

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1448368**	**358.2885**	**3.442519**	**31.08788**	**.2399170**	**-.011309**
Stddev	.0016179	2.8302	.017838	.07086	.0002359	.001711
%RSD	1.117030	.7899138	.5181604	.2279422	.0983278	15.13384
#1	.1467027	361.3237	3.456340	31.16285	.2401098	-.009402
#2	.1438254	357.8200	3.448835	31.02200	.2399872	-.012712
#3	.1439822	355.7218	3.422383	31.07879	.2396540	-.011812

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.523975**	**.5918504**	**.5554637**	**16.12947**	**13.09515**	**.1494802**
Stddev	.015971	.0057196	.0056143	.29080	.01591	.0023551
%RSD	.6327531	.9663897	1.010738	1.802900	.1215116	1.575506
#1	2.530589	.5876240	.5494942	15.79501	13.11347	.1521595
#2	2.505759	.5895685	.5562590	16.32257	13.08475	.1485436
#3	2.535575	.5983586	.5606380	16.27082	13.08724	.1477375

Sample Name: Q2425-03 Acquired: 7/9/2025 11:11:15 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036074	.6116855	F 30.60821	.0157193	6.129853	.1690236
Stddev	.0006448	.0036226	.20023	.0018703	.018933	.0040097
%RSD	17.87506	.5922380	.6541594	11.89807	.3088588	2.372265
#1	.0034085	.6156872	30.83543	.0137769	6.142305	.1728781
#2	.0043282	.6107396	30.53161	.0175080	6.139189	.1648749
#3	.0030854	.6086296	30.45760	.0158732	6.108066	.1693177

Elem	Sr4077
Units	ppm
Avg	.1896346
Stddev	.0006119
%RSD	.3226505
#1	.1894387
#2	.1903204
#3	.1891446

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4120.228	38790.42	3149.799	2521.158	4425.209
Stddev	7.164	258.45	21.367	16.312	7.860
%RSD	.1738852	.6662828	.6783612	.6469864	.1776237
#1	4115.707	39079.93	3131.706	2538.358	4416.158
#2	4128.488	38582.93	3144.318	2505.911	4430.315
#3	4116.488	38708.39	3173.372	2519.204	4429.154

Sample Name: Q2425-03DUP Acquired: 7/9/2025 11:15:47 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1503429**	**-.036544**	**.2912667**	**.0818897**	**.0234041**	**232.7620**
Stddev	.0008500	.003906	.0036354	.0018929	.0022880	.4790
%RSD	.5654035	10.68789	1.248130	2.311528	9.776230	.2057844
#1	.1511307	-.034567	.2870846	.0798981	.0224351	233.3138
#2	.1504560	-.034022	.2936711	.0836654	.0217601	232.4537
#3	.1494419	-.041043	.2930446	.0821056	.0260172	232.5185

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8909804**	**.0183020**	**-.001147**	**24.23886**	**.3172368**	**.1399488**
Stddev	.0019446	.0007696	.000582	.09034	.0025092	.0005458
%RSD	.2182509	4.205147	50.70839	.3726873	.7909457	.3899810
#1	.8920370	.0175987	-.000551	24.33529	.3198362	.1393447
#2	.8887363	.0191242	-.001714	24.22509	.3148289	.1400953
#3	.8921680	.0181832	-.001176	24.15620	.3170453	.1404063

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1514421**	**371.0572**	**3.064423**	**31.14558**	**.2333159**	**-.008953**
Stddev	.0060844	13.6240	.016063	.03575	.0008208	.002337
%RSD	4.017646	3.671668	.5241641	.1147961	.3518011	26.10892
#1	.1469170	358.9013	3.070948	31.15194	.2326741	-.011253
#2	.1583590	385.7832	3.046124	31.10707	.2342408	-.006580
#3	.1490504	368.4870	3.076195	31.17773	.2330328	-.009024

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.515333**	**.5986919**	**.5597903**	**16.59799**	**12.75172**	**.1494198**
Stddev	.077724	.0027427	.0023602	.75653	.05252	.0059868
%RSD	3.090008	.4581211	.4216194	4.557970	.4118278	4.006700
#1	2.437487	.6008161	.5623562	15.77634	12.70777	.1457473
#2	2.592934	.5955955	.5593027	17.26574	12.73752	.1563281
#3	2.515578	.5996640	.5577120	16.75189	12.80988	.1461839

Sample Name: Q2425-03DUP Acquired: 7/9/2025 11:15:47 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042501	.5859993	F 32.25475	.0141811	6.249748	.1667932
Stddev	.0008675	.0028682	1.03665	.0015296	.024748	.0118170
%RSD	20.41172	.4894507	3.213960	10.78594	.3959782	7.084789
#1	.0051859	.5862828	31.31462	.0148292	6.265759	.1737996
#2	.0040917	.5829998	33.36651	.0124342	6.221244	.1531499
#3	.0034727	.5887151	32.08313	.0152799	6.262240	.1734303

Elem	Sr4077
Units	ppm
Avg	.1882178
Stddev	.0002779
%RSD	.1476718
#1	.1884371
#2	.1879053
#3	.1883112

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3965.458	36834.98	2931.632	2380.202	4364.582
Stddev	10.597	315.52	113.168	21.095	13.802
%RSD	.2672369	.8565774	3.860233	.8862498	.3162192
#1	3956.202	37092.35	3031.769	2384.306	4366.335
#2	3977.018	36482.97	2808.856	2357.357	4377.423
#3	3963.155	36929.62	2954.270	2398.943	4349.988

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2425-03LX5 Acquired: 7/9/2025 11:20:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0332767**	**-.008574**	**.0626513**	**.0249616**	**.0043941**	**56.55456**	**.2266283**
Stddev	.0015906	.000176	.0004460	.0019929	.0017804	.17409	.0005599
%RSD	4.779997	2.048740	.7119621	7.983697	40.51829	.3078222	.2470367
#1	.0326371	-.008648	.0626877	.0256320	.0023886	56.35448	.2271856
#2	.0321055	-.008700	.0621881	.0265329	.0050054	56.67142	.2266335
#3	.0350876	-.008373	.0630780	.0227200	.0057883	56.63778	.2260659

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043439**	**-.001057**	**5.935548**	**.0733776**	**.0296711**	**.0377415**	**95.17360**
Stddev	.0001083	.000140	.047148	.0014401	.0001800	.0009734	2.35363
%RSD	2.492196	13.28713	.7943246	1.962640	.6065457	2.579093	2.472987
#1	.0043235	-.000901	5.915558	.0750151	.0298786	.0369070	92.83773
#2	.0044609	-.001172	5.989397	.0723079	.0295766	.0388108	97.54460
#3	.0042473	-.001099	5.901688	.0728099	.0295581	.0375066	95.13845

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8566242**	**7.697321**	**.0479851**	**-.001117**	**.5641064**	**.1360695**	**.1369889**
Stddev	.0086065	.034103	.0004979	.000842	.0085066	.0015650	.0003476
%RSD	1.004695	.4430552	1.037579	75.36437	1.507978	1.150131	.2537685
#1	.8492634	7.665793	.0475716	-.002077	.5675877	.1371304	.1367561
#2	.8660870	7.692651	.0485377	-.000770	.5703202	.1342721	.1373885
#3	.8545223	7.733519	.0478459	-.000504	.5544113	.1368058	.1368220

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.941092**	**2.558264**	**.0424273**	**.0006004**	**.1162259**	**7.591138**	**.0042537**
Stddev	.030228	.002961	.0014575	.0005102	.0041225	.107576	.0006866
%RSD	1.027795	.1157437	3.435263	84.98898	3.546948	1.417127	16.14161
#1	2.908811	2.555520	.0413647	.0011484	.1115566	7.493642	.0047623
#2	2.968731	2.557870	.0440888	.0005137	.1177584	7.706546	.0045262
#3	2.945734	2.561402	.0418285	.0001390	.1193625	7.573226	.0034727

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2425-03LX5 Acquired: 7/9/2025 11:20:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**1.484049**	**.0531864**	**.0464337**
Stddev	.006632	.0099493	.0005928
%RSD	.4468955	18.70648	1.276669
#1	1.477138	.0459383	.0458492
#2	1.490361	.0645298	.0470345
#3	1.484649	.0490911	.0464175

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3528.575**	**33942.00**	**2706.212**	**2127.417**	**4710.984**
Stddev	15.335	60.72	40.586	5.074	9.760
%RSD	.4345815	.1788924	1.499742	.2384948	.2071775
#1	3510.902	33933.21	2746.165	2129.938	4699.968
#2	3536.460	33886.15	2665.020	2121.576	4714.431
#3	3538.363	34006.63	2707.451	2130.736	4718.553

Sample Name: Q2425-03MS Acquired: 7/9/2025 11:24:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8903041**	**1.855447**	**1.200328**	**1.569670**	**.1504185**	**273.0694**
Stddev	.0076817	.005036	.003380	.009088	.0039574	.4641
%RSD	.8628190	.2714125	.2816154	.5790045	2.630916	.1699644
#1	.8818924	1.860065	1.201450	1.575672	.1489719	272.5893
#2	.8920723	1.850078	1.203005	1.559214	.1473879	273.1030
#3	.8969475	1.856199	1.196530	1.574124	.1548956	273.5158

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.133402**	**.1890689**	**.1920102**	**25.74926**	**.7083363**	**.3410359**
Stddev	.003977	.0034809	.0002971	.04199	.0015601	.0001667
%RSD	.3509253	1.841089	.1547173	.1630547	.2202437	.0488650
#1	1.129556	.1929630	.1920812	25.71247	.7065402	.3410395
#2	1.137499	.1879845	.1922653	25.74031	.7093535	.3412007
#3	1.133151	.1862593	.1916840	25.79500	.7091154	.3408675

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4103893**	**383.3511**	**3.363678**	**35.98014**	**.7432364**	**.0489372**
Stddev	.0067507	3.2578	.004233	.20930	.0010108	.0015089
%RSD	1.644952	.8498287	.1258436	.5817138	.1359978	3.083380
#1	.4178008	386.3713	3.358816	35.76309	.7444034	.0498605
#2	.4087753	379.8988	3.365681	35.99661	.7426646	.0471960
#3	.4045920	383.7834	3.366539	36.18072	.7426411	.0497552

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.674374**	**.9300888**	**.8000880**	**26.00162**	F **18.26104**	**.3481494**
Stddev	.077722	.0050517	.0004914	.07768	.03487	.0057087
%RSD	1.662728	.5431425	.0614209	.2987516	.1909713	1.639731
#1	4.761720	.9317818	.8005847	25.97035	18.25440	.3530601
#2	4.648556	.9340765	.7996020	26.09006	18.29875	.3418858
#3	4.612847	.9244080	.8000774	25.94444	18.22996	.3495025

Sample Name: Q2425-03MS Acquired: 7/9/2025 11:24:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2914926	.5377538	F 28.66009	.6778571	7.014136	.3866038
Stddev	.0009141	.0060401	.43283	.0016621	.033329	.0019981
%RSD	.3135797	1.123211	1.510204	.2451983	.4751730	.5168230
#1	.2923923	.5365385	29.13715	.6790688	6.976204	.3844681
#2	.2915207	.5443091	28.55059	.6785403	7.027472	.3869157
#3	.2905648	.5324137	28.29253	.6759623	7.038732	.3884275

Elem	Sr4077
Units	ppm
Avg	.3824742
Stddev	.0007773
%RSD	.2032361
#1	.3819410
#2	.3821154
#3	.3833661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3919.612	36934.14	3096.912	2350.023	4375.633
Stddev	7.494	302.18	15.626	11.551	12.823
%RSD	.1912020	.8181522	.5045576	.4915404	.2930548
#1	3927.939	37275.40	3081.516	2363.000	4386.480
#2	3913.408	36826.51	3096.461	2346.206	4361.481
#3	3917.488	36700.51	3112.758	2340.864	4378.937

Sample Name: Q2425-03MSD Acquired: 7/9/2025 11:29:13 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9264946**	**1.902524**	**1.250145**	**1.633932**	**.1685782**	**279.3772**
Stddev	.0060015	.003032	.004337	.006901	.0028515	.5058
%RSD	.6477683	.1593801	.3469175	.4223852	1.691488	.1810322
#1	.9212469	1.904542	1.254087	1.636822	.1683506	279.5068
#2	.9330382	1.903993	1.250849	1.626055	.1658474	279.8056
#3	.9251988	1.899037	1.245499	1.638918	.1715367	278.8193

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.129904**	**.2020075**	**.1978683**	**26.18820**	**.7257780**	**.3479793**
Stddev	.005552	.0020541	.0005068	.05473	.0032885	.0007639
%RSD	.4913572	1.016869	.2561191	.2089807	.4530973	.2195111
#1	1.134084	.2033382	.1976641	26.15621	.7234917	.3478876
#2	1.132024	.2030427	.1974954	26.25139	.7242957	.3472654
#3	1.123605	.1996417	.1984453	26.15700	.7295468	.3487849

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4391351**	**413.6375**	**3.216195**	**36.49895**	**.7628319**	**.0505669**
Stddev	.0033470	2.5395	.010700	.08831	.0002169	.0005454
%RSD	.7621826	.6139468	.3326771	.2419449	.0284264	1.078547
#1	.4409495	416.0934	3.220203	36.46615	.7626585	.0510289
#2	.4411831	413.7970	3.224312	36.43173	.7630750	.0499653
#3	.4352726	411.0219	3.204070	36.59896	.7627622	.0507064

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.235825**	**.9679328**	**.8093940**	**30.41372**	F **18.53715**	**.3719537**
Stddev	.051867	.0039726	.0043820	.44845	.01006	.0009391
%RSD	.9906162	.4104183	.5413980	1.474487	.0542661	.2524873
#1	5.291843	.9722604	.8104376	30.83595	18.54838	.3728105
#2	5.226166	.9644518	.8045844	30.46222	18.53409	.3721009
#3	5.189467	.9670860	.8131600	29.94300	18.52897	.3709496

Sample Name: Q2425-03MSD Acquired: 7/9/2025 11:29:13 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2961064	.5525091	F 29.51932	.7004527	7.223789	.3899316
Stddev	.0012769	.0018155	.22970	.0011121	.018516	.0053973
%RSD	.4312361	.3285965	.7781389	.1587711	.2563149	1.384171
#1	.2946770	.5528848	29.65150	.6999361	7.212375	.3941350
#2	.2971343	.5541075	29.65238	.7017291	7.245153	.3918148
#3	.2965080	.5505352	29.25409	.6996928	7.213840	.3838450

Elem	Sr4077
Units	ppm
Avg	.3861249
Stddev	.0010993
%RSD	.2847001
#1	.3869626
#2	.3865321
#3	.3848801

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3901.964	36583.91	2944.027	2382.733	4353.132
Stddev	7.285	138.22	23.432	15.159	5.230
%RSD	.1866998	.3778028	.7959164	.6362137	.1201526
#1	3896.810	36443.92	2919.884	2373.304	4350.252
#2	3898.784	36720.28	2945.521	2400.220	4349.974
#3	3910.298	36587.54	2966.677	2374.676	4359.169

Sample Name: Q2425-03A Acquired: 7/9/2025 11:33:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8657622**	**1.789910**	**1.174696**	**1.539011**	**.6348229**	**229.8836**
Stddev	.0026336	.005687	.000433	.004549	.0032327	.3728
%RSD	.3041966	.3177073	.0368178	.2955639	.5092289	.1621491
#1	.8656933	1.795798	1.175187	1.533938	.6385557	230.2380
#2	.8631636	1.784449	1.174371	1.540369	.6329503	229.4948
#3	.8684295	1.789482	1.174530	1.542727	.6329626	229.9180

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.079873**	**.1746134**	**.1826852**	**24.77936**	**.6208335**	**.3232191**
Stddev	.005567	.0017114	.0004607	.03578	.0005487	.0004504
%RSD	.5155024	.9800890	.2521854	.1443879	.0883764	.1393365
#1	1.086218	.1764011	.1823493	24.81014	.6214404	.3229644
#2	1.075806	.1729903	.1824958	24.74010	.6203726	.3229539
#3	1.077596	.1744488	.1832104	24.78784	.6206875	.3237391

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3753495**	**344.1670**	**3.589031**	**32.10660**	**.6944597**	**.0448395**
Stddev	.0055423	.5861	.022821	.24176	.0004905	.0010396
%RSD	1.476572	.1703009	.6358663	.7529875	.0706234	2.318417
#1	.3803138	344.0961	3.612108	32.31147	.6941812	.0452680
#2	.3693696	343.6196	3.588512	32.16838	.6941720	.0436542
#3	.3763649	344.7853	3.566474	31.83994	.6950260	.0455963

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.404764**	**.8342677**	**.7144313**	**22.40428**	F **18.29034**	**.3606963**
Stddev	.034265	.0102073	.0012110	.19495	.04467	.0024071
%RSD	.7779122	1.223499	.1695079	.8701370	.2442018	.6673458
#1	4.437389	.8266602	.7156207	22.62524	18.26986	.3585651
#2	4.369065	.8302751	.7131998	22.25656	18.25959	.3602169
#3	4.407837	.8458678	.7144734	22.33105	18.34157	.3633071

Sample Name: Q2425-03A Acquired: 7/9/2025 11:33:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3164514**	**.5947074**	F **29.88781**	**.6709312**	**6.253409**	**.3489367**
Stddev	.0010930	.0071884	.27349	.0016366	.025414	.0002494
%RSD	.3453929	1.208734	.9150473	.2439221	.4063995	.0714653
#1	.3158907	.6026690	30.14841	.6699399	6.281643	.3492219
#2	.3157526	.5886935	29.60304	.6700335	6.246220	.3487598
#3	.3177110	.5927597	29.91197	.6728201	6.232364	.3488284

Elem	Sr4077
Units	ppm
Avg	**.3518080**
Stddev	.0010696
%RSD	.3040140
#1	.3530333
#2	.3510614
#3	.3513294

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4069.317**	**38714.87**	**3208.767**	**2451.937**	**4408.672**
Stddev	.229	174.14	22.626	6.115	7.117
%RSD	.0056368	.4497936	.7051156	.2494058	.1614336
#1	4069.400	38825.13	3186.781	2446.532	4413.431
#2	4069.494	38514.12	3231.982	2458.575	4412.095
#3	4069.058	38805.37	3207.538	2450.705	4400.490

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168628BL Acquired: 7/9/2025 11:38:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004627**	**-.001844**	**-.000288**	**.0024243**	**.0003367**	**.0110000**	**.0017222**
Stddev	.002863	.001614	.000324	.0057332	.0016778	.0233953	.0008094
%RSD	61.87174	87.52666	112.5616	236.4932	498.3452	212.6843	46.99636
#1	-.006044	-.001067	-.000163	.0081068	.0003021	.0131633	.0008328
#2	-.001332	-.003699	-.000655	-.003358	-.001324	-.013402	.0024155
#3	-.006506	-.000765	-.000045	.002524	.002031	.033238	.0019185

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000003**	**-.000012**	**-.092254**	**-.000573**	**.0001513**	**.0019015**	**.0014248**
Stddev	.0001147	.000060	.007907	.000327	.0003732	.0012930	.0016426
%RSD	41621.96	510.8175	8.570529	57.02403	246.6525	67.99996	115.2874
#1	.0001199	-.000077	-.092139	-.000879	.0001427	.0028330	.0004867
#2	-.000109	.000042	-.100218	-.000611	.0005288	.0004252	.0004661
#3	-.000010	-.000000	-.084406	-.000229	-.000218	.0024463	.0033215

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003963**	**-.027749**	**.0001389**	**-.000072**	**-.027827**	**-.004043**	**-.000117**
Stddev	.0015599	.058367	.0002251	.000154	.017896	.005354	.000746
%RSD	393.6158	210.3403	162.1077	215.0274	64.31218	132.4189	637.1216
#1	.0015329	-.083421	.0001411	.000031	-.010999	-.005426	-.000526
#2	.0010382	.032984	-.000087	.000003	-.046628	-.008570	.000744
#3	-.001382	-.032810	.000363	-.000249	-.025855	.001867	-.000569

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.031177**	**-.000586**	**-.002423**	**.0003734**	**-.002592**	**-.007104**	**-.014165**
Stddev	.000599	.002833	.002056	.0005843	.000894	.000475	.000965
%RSD	1.919923	483.8684	84.86623	156.4741	34.48420	6.687556	6.809741
#1	-.031747	.002014	-.004021	-.000251	-.001992	-.007056	-.013129
#2	-.031232	-.003606	-.000103	.000908	-.003620	-.007602	-.014329
#3	-.030553	-.000165	-.003143	.000463	-.002165	-.006655	-.015037

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168628BL Acquired: 7/9/2025 11:38:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005972	.0009347	-.000050
Stddev	.001888	.0039469	.000308
%RSD	31.61698	422.2724	609.6310
#1	-.008096	.0044545	-.000364
#2	-.004484	.0016820	.000251
#3	-.005335	-.003332	-.000038

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3434.402	34046.32	2599.100	2096.580	5224.946
Stddev	10.436	191.69	6.460	19.247	12.231
%RSD	.3038529	.5630250	.2485659	.9180107	.2340819
#1	3428.828	34267.38	2592.564	2115.118	5212.262
#2	3446.441	33945.53	2599.255	2076.695	5236.666
#3	3427.937	33926.05	2605.482	2097.927	5225.911

Sample Name: PB168628BS Acquired: 7/9/2025 11:42:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6882267**	**1.964134**	**.9163913**	**1.933021**	**.7901528**	**2.025592**
Stddev	.0036217	.002806	.0031844	.006140	.0014671	.019132
%RSD	.5262395	.1428659	.3474969	.3176543	.1856742	.9445206
#1	.6848397	1.966367	.9148956	1.934271	.7908057	2.017761
#2	.6920445	1.965052	.9200483	1.938439	.7911800	2.047398
#3	.6877959	1.960985	.9142301	1.926351	.7884725	2.011619

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2171787**	**.2119933**	**.1820883**	**1.064644**	**.4000048**	**.1864672**
Stddev	.0017267	.0044734	.0002507	.004065	.0005638	.0002994
%RSD	.7950618	2.110150	.1376586	.3818450	.1409469	.1605635
#1	.2191605	.2166923	.1820212	1.066854	.4004292	.1867321
#2	.2163772	.2115014	.1818780	1.059952	.3993651	.1861423
#3	.2159985	.2077862	.1823656	1.067125	.4002202	.1865271

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3308011**	**3.295486**	**.2118651**	**1.983235**	**.4677267**	**.0689973**
Stddev	.0104517	.070539	.0016250	.108095	.0012694	.0005717
%RSD	3.159516	2.140489	.7669982	5.450415	.2713951	.8285852
#1	.3416979	3.367048	.2134857	1.968021	.4677218	.0688495
#2	.3298452	3.293393	.2118739	1.883553	.4664598	.0696284
#3	.3208602	3.226016	.2102357	2.098131	.4689986	.0685140

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.900819**	**.3030003**	**.2121268**	**8.793306**	**5.460831**	**.3078888**
Stddev	.077822	.0014095	.0014673	.245779	.011715	.0050429
%RSD	2.682764	.4651876	.6917231	2.795070	.2145246	1.637893
#1	2.988252	.3033039	.2105563	9.055225	5.447454	.3134811
#2	2.875068	.3014637	.2123613	8.756985	5.469262	.3064979
#3	2.839135	.3042333	.2134627	8.567709	5.465776	.3036873

Sample Name: PB168628BS Acquired: 7/9/2025 11:42:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4006217	F .0022697	.9533268	.6523039	.2020990	.2292093
Stddev	.0014671	.0008574	.0233583	.0004415	.0023345	.0058530
%RSD	.3661988	37.77640	2.450184	.0676893	1.155130	2.553547
#1	.4000347	.0015565	.9783601	.6519141	.2042489	.2307478
#2	.4022914	.0032210	.9495056	.6527834	.2024324	.2227407
#3	.3995390	.0020317	.9321148	.6522142	.1996158	.2341393

Elem	Sr4077
Units	ppm
Avg	.2134300
Stddev	.0016361
%RSD	.7665941
#1	.2153022
#2	.2127134
#3	.2122745

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3377.740	32910.86	2508.736	2048.629	4900.372
Stddev	4.697	110.83	59.115	6.813	15.103
%RSD	.1390604	.3367471	2.356362	.3325615	.3082016
#1	3378.968	32849.31	2443.597	2048.276	4908.957
#2	3381.700	33038.80	2523.636	2055.611	4909.225
#3	3372.550	32844.46	2558.976	2041.999	4882.933

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV02 Acquired: 7/9/2025 11:47:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.800607**	**4.988540**	**4.860847**	**4.955680**	**5.005333**	**9.890657**	**10.65940**
Stddev	.008194	.004774	.001488	.026898	.013614	.033383	.05671
%RSD	.1706941	.0957060	.0306139	.5427739	.2719989	.3375240	.5320008
#1	4.792787	4.983072	4.862174	4.934878	4.991489	9.892643	10.67296
#2	4.799904	4.991885	4.859238	4.946108	5.005803	9.923004	10.59714
#3	4.809130	4.990663	4.861128	4.986055	5.018705	9.856326	10.70810

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2536787**	**2.425366**	**25.20502**	**.9973654**	**2.403941**	**1.258259**	**4.857102**
Stddev	.0009960	.003031	.10707	.0010724	.002181	.007742	.012955
%RSD	.3926031	.1249523	.4248122	.1075248	.0907206	.6152743	.2667174
#1	.2525514	2.422077	25.08446	.9973126	2.401625	1.249559	4.856553
#2	.2540457	2.425976	25.24153	.9984632	2.404240	1.264389	4.844431
#3	.2544392	2.428045	25.28906	.9963203	2.405956	1.260829	4.870323

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.582670**	**24.20874**	**2.397864**	**1.236524**	**24.49617**	**2.596994**	**2.593810**
Stddev	.006641	.21487	.003836	.001912	.08307	.016024	.014705
%RSD	.2571342	.8875668	.1599833	.1546231	.3391132	.6170091	.5669435
#1	2.584907	24.04716	2.393461	1.235451	24.41523	2.602279	2.581415
#2	2.575199	24.45259	2.400484	1.238732	24.58122	2.578995	2.610059
#3	2.587903	24.12648	2.399649	1.235389	24.49208	2.609708	2.589957

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.06899**	**4.985736**	**5.109684**	**5.098462**	**4.800655**	**5.054255**	**4.913631**
Stddev	.12179	.009184	.030938	.021432	.017713	.026042	.008104
%RSD	.5059977	.1841983	.6054741	.4203570	.3689631	.5152506	.1649329
#1	24.19423	4.975857	5.074029	5.075421	4.780810	5.025606	4.904304
#2	24.06176	4.987335	5.129435	5.102164	4.814863	5.076491	4.917629
#3	23.95097	4.994015	5.125588	5.117802	4.806293	5.060669	4.918958

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV02 Acquired: 7/9/2025 11:47:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.223777**	**5.021907**	**5.231594**
Stddev	.016178	.033508	.010203
%RSD	.3096979	.6672451	.1950217
#1	5.212835	4.987464	5.237780
#2	5.216135	5.023860	5.219818
#3	5.242360	5.054396	5.237183

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3282.594**	**32254.30**	**2570.348**	**2003.206**	**4435.666**
Stddev	12.884	121.61	8.743	6.756	9.082
%RSD	.3924994	.3770348	.3401527	.3372713	.2047562
#1	3297.454	32221.91	2576.247	2001.172	4444.954
#2	3275.793	32152.17	2560.303	1997.701	4426.805
#3	3274.535	32388.83	2574.494	2010.746	4435.239

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB02 Acquired: 7/9/2025 11:56:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001707**	**.0012453**	**.0001627**	**.0046547**	**-.001340**	**.0275112**	**.0030760**
Stddev	.001641	.0010961	.0027680	.0027724	.002571	.0029939	.0007869
%RSD	96.08886	88.01274	1701.170	59.56081	191.9388	10.88258	25.58109
#1	-.003569	.0017436	-.001121	.0074141	.000689	.0249867	.0026970
#2	-.001079	-.000011	.003339	.0018695	-.004231	.0308189	.0039807
#3	-.000474	.002004	-.001731	.0046806	-.000476	.0267280	.0025504

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001639**	**-.000078**	**-.087280**	**-.000196**	**.0001491**	**.0008025**	**-.000427**
Stddev	.0001765	.000065	.002018	.000558	.0001715	.0007080	.001764
%RSD	107.6994	82.95171	2.311872	285.2468	115.0381	88.22181	413.3055
#1	.0002027	-.000036	-.089610	-.000336	.0001601	.0014478	-.001795
#2	-.000029	-.000153	-.086110	.000419	.0003148	.0009147	-.001050
#3	.000318	-.000045	-.086121	-.000670	-.000028	.0000451	.001564

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000111**	**-.034508**	**-.000342**	**.0000936**	**-.037418**	**.0034508**	**.0000549**
Stddev	.000928	.082414	.000253	.0012639	.006568	.0112786	.0000301
%RSD	834.0828	238.8233	74.02551	1350.012	17.55293	326.8394	54.85806
#1	.000912	-.118654	-.000361	-.000896	-.041195	.0143769	.0000896
#2	-.000899	.046057	-.000080	-.000340	-.029834	-.008150	.0000381
#3	-.000346	-.030928	-.000585	.001517	-.041225	.004126	.0000369

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003102**	**.0018656**	**.0028768**	**.0004981**	**-.001319**	**-.002585**	**.0008940**
Stddev	.000366	.0021000	.0009846	.0005044	.002784	.001440	.0004584
%RSD	11.79898	112.5672	34.22630	101.2724	211.1251	55.69969	51.27177
#1	-.003250	.0005018	.0032632	-.000079	.001765	-.000997	.0006958
#2	-.003371	.0042839	.0036097	.000853	-.003650	-.002954	.0005682
#3	-.002686	.0008110	.0017576	.000721	-.002072	-.003804	.0014182

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB02 Acquired: 7/9/2025 11:56:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.006379	.0121413	.0001179
Stddev	.004225	.0092259	.0001504
%RSD	66.23972	75.98755	127.6236
#1	-.008653	.0073506	.0002453
#2	-.008979	.0227770	.0001563
#3	-.001503	.0062963	-.000048

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3400.841	33535.93	2601.777	2079.877	5062.121
Stddev	8.790	234.78	22.669	10.844	18.125
%RSD	.2584660	.7000824	.8712979	.5213821	.3580467
#1	3393.528	33376.50	2576.824	2074.167	5052.744
#2	3398.404	33425.75	2621.103	2073.081	5050.606
#3	3410.593	33805.53	2607.403	2092.383	5083.014

Sample Name: Q2477-01 Acquired: 7/9/2025 12:10:02 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001450**	**.0012397**	**-.000150**	**.0058934**	**.0005208**	**1.950582**	**.4353880**
Stddev	.003879	.0003868	.001278	.0031536	.0036252	.031758	.0028259
%RSD	267.5482	31.19681	850.6850	53.51073	696.1362	1.628114	.6490571
#1	.000225	.0012139	.000674	.0031835	-.003524	1.913932	.4328455
#2	.001310	.0008665	.000498	.0051418	.001609	1.967821	.4384306
#3	-.005884	.0016387	-.001622	.0093550	.003477	1.969991	.4348881

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000939**	**.0000066**	**5.541388**	**-.000445**	**.0032426**	**.0484523**	**7.072534**
Stddev	.0000965	.0000819	.005160	.000474	.0002203	.0008094	.053399
%RSD	102.7510	1239.596	.0931223	106.4978	6.795503	1.670539	.7550130
#1	.0001413	-.000013	5.536651	-.000812	.0030983	.0476621	7.064140
#2	.0001574	-.000064	5.540627	-.000614	.0034962	.0484152	7.129633
#3	-.000017	.000097	5.546886	.000090	.0031332	.0492797	7.023830

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8084207**	**1.339618**	**.0037637**	**.0008874**	**10.85618**	**-.003999**	**.0416272**
Stddev	.0020566	.042204	.0007758	.0021459	.12107	.004307	.0007107
%RSD	.2543943	3.150459	20.61196	241.8108	1.115234	107.7117	1.707347
#1	.8103175	1.332657	.0046227	.0029363	10.91782	-.001649	.0411935
#2	.8087098	1.384870	.0035544	-.001344	10.93402	-.008970	.0412407
#3	.8062349	1.301328	.0031141	.001070	10.71669	-.001378	.0424474

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.948814**	**.0146367**	**.0204002**	**-.000056**	**.4222530**	**.4041717**	**-.012203**
Stddev	.040492	.0041787	.0016779	.000589	.0044291	.0023592	.000724
%RSD	1.373152	28.54937	8.224674	1059.705	1.048909	.5837005	5.930836
#1	2.973680	.0165168	.0218990	-.000041	.4247717	.4016317	-.012245
#2	2.970672	.0175450	.0207138	-.000651	.4171390	.4062943	-.011460
#3	2.902091	.0098482	.0185876	.000526	.4248483	.4045890	-.012905

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2477-01 Acquired: 7/9/2025 12:10:02 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0081575	.0063351	.0376312
Stddev	.0046262	.0091673	.0004660
%RSD	56.71081	144.7068	1.238311
#1	.0134976	-.003729	.0380867
#2	.0053672	.008527	.0371553
#3	.0056079	.014208	.0376515

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3433.424	33793.74	2541.894	2106.278	5082.400
Stddev	7.808	232.91	29.000	11.786	12.265
%RSD	.2274098	.6891959	1.140890	.5595881	.2413282
#1	3441.739	33716.93	2548.279	2108.214	5096.523
#2	3426.248	33608.94	2510.233	2093.644	5074.414
#3	3432.286	34055.35	2567.170	2116.977	5076.264

Sample Name: Q2477-01DUP Acquired: 7/9/2025 12:14:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012015**	**.0006482**	**.0046178**	**.0070463**	**-.001275**	**1.912859**	**.4257312**
Stddev	.0073544	.0009199	.0015807	.0033153	.001321	.012629	.0013173
%RSD	612.0937	141.9244	34.23161	47.05080	103.6352	.6602015	.3094151
#1	.0050454	.0001977	.0056438	.0079291	-.001640	1.927434	.4248974
#2	.0058375	.0017065	.0054121	.0098308	-.002375	1.905172	.4272498
#3	-.007278	.0000403	.0027974	.0033789	.000190	1.905970	.4250463

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002074**	**-.000122**	**5.424039**	**.0007903**	**.0034004**	**.0497597**	**7.420814**
Stddev	.0000207	.000062	.086919	.0004839	.0000984	.0049337	.641328
%RSD	9.966794	50.41344	1.602482	61.23007	2.893210	9.914987	8.642286
#1	.0002104	-.000088	5.498761	.0013490	.0035087	.0456408	6.918229
#2	.0001854	-.000085	5.328649	.0005071	.0033760	.0552275	8.143124
#3	.0002264	-.000193	5.444709	.0005147	.0033166	.0484107	7.201089

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7902054**	**1.231076**	**.0040195**	**-.000870**	**11.80685**	**-.005663**	**.0409620**
Stddev	.0032001	.071128	.0006683	.000795	.98326	.002710	.0001049
%RSD	.4049701	5.777689	16.62629	91.34403	8.327881	47.84909	.2561639
#1	.7922037	1.289179	.0047884	-.001788	11.01640	-.003035	.0410769
#2	.7865145	1.151753	.0036922	-.000415	12.90790	-.005507	.0408712
#3	.7918981	1.252295	.0035780	-.000407	11.49625	-.008447	.0409380

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.275971**	**.0176632**	**.0200558**	**-.000852**	**.4192094**	**.4192261**	**-.012585**
Stddev	.288134	.0008609	.0023304	.000332	.0051564	.0391622	.000457
%RSD	8.795389	4.874053	11.61977	39.00126	1.230030	9.341550	3.633317
#1	3.046017	.0174190	.0173888	-.000468	.4249098	.3895399	-.012208
#2	3.599184	.0169508	.0216996	-.001033	.4178481	.4636112	-.013093
#3	3.182713	.0186199	.0210789	-.001053	.4148702	.4045273	-.012454

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2477-01DUP Acquired: 7/9/2025 12:14:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0041005	.0006490	.0366939
Stddev	.0044880	.0055090	.0002570
%RSD	109.4522	848.8836	.7004238
#1	.0090662	.0070073	.0368119
#2	.0003337	-.002696	.0368708
#3	.0029014	-.002364	.0363991

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3462.698	33695.32	2448.187	2132.943	5115.132
Stddev	12.113	153.91	193.910	11.505	17.856
%RSD	.3498188	.4567729	7.920569	.5393896	.3490774
#1	3473.309	33523.01	2596.527	2119.894	5131.136
#2	3465.285	33819.17	2228.767	2137.308	5118.389
#3	3449.501	33743.77	2519.267	2141.627	5095.872

Sample Name: Q2477-1LX5 Acquired: 7/9/2025 12:18:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006104**	**-.000382**	**-.000809**	**.0030165**	**.0023119**	**.4243894**	**.0878662**
Stddev	.0029428	.000889	.000473	.0037464	.0013452	.0275581	.0002842
%RSD	482.1147	232.8655	58.45644	124.1961	58.18750	6.493578	.3234244
#1	.0015340	.000558	-.000338	.0016553	.0038530	.4389492	.0876021
#2	.0029805	-.001209	-.001284	.0072532	.0017095	.3926053	.0878296
#3	-.002683	-.000494	-.000806	.0001410	.0013731	.4416136	.0881669

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001176**	**-.000077**	**1.103351**	**.0001714**	**.0009605**	**.0111569**	**1.384901**
Stddev	.0000373	.000048	.037046	.0000650	.0001079	.0006179	.009857
%RSD	31.69920	62.28077	3.357610	37.90573	11.23707	5.538084	.7117656
#1	.0001009	-.000047	1.133680	.0001623	.0009362	.0104509	1.392735
#2	.0000916	-.000051	1.114313	.0002404	.0008668	.0114206	1.373833
#3	.0001603	-.000132	1.062061	.0001114	.0010785	.0115991	1.388135

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1610395**	**.2571053**	**.0002602**	**-.000339**	**1.887270**	**-.005851**	**.0083916**
Stddev	.0016114	.0953695	.0002223	.000451	.034371	.008054	.0000691
%RSD	1.000623	37.09355	85.41928	133.0235	1.821215	137.6545	.8237391
#1	.1610773	.1470741	.0001363	-.000623	1.926063	-.001481	.0083485
#2	.1626317	.3082233	.0001275	.000181	1.875137	-.000926	.0083549
#3	.1594096	.3160186	.0005168	-.000576	1.860611	-.015146	.0084713

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4342589**	**.0065800**	**-.000449**	**-.000093**	**.0833103**	**.0751992**	**-.001334**
Stddev	.0027842	.0011881	.001683	.000235	.0036422	.0015326	.001145
%RSD	.6411439	18.05617	374.4409	253.4278	4.371815	2.037996	85.78612
#1	.4373700	.0078859	-.000143	-.000043	.0815980	.0750158	-.000194
#2	.4334054	.0055631	.001059	.000114	.0874931	.0737666	-.002483
#3	.4320014	.0062910	-.002264	-.000349	.0808399	.0768152	-.001326

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2477-1LX5 Acquired: 7/9/2025 12:18:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001240	.0084718	.0076579
Stddev	.003877	.0033156	.0004541
%RSD	312.5566	39.13713	5.929477
#1	-.005034	.0061954	.0080982
#2	-.001403	.0069440	.0076843
#3	.002715	.0122758	.0071912

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3365.641	32865.96	2564.016	2046.334	4991.354
Stddev	4.612	95.50	23.364	5.938	9.367
%RSD	.1370206	.2905637	.9112459	.2901545	.1876688
#1	3361.588	32765.61	2543.012	2039.631	4981.804
#2	3370.659	32955.72	2589.182	2050.933	5000.527
#3	3364.675	32876.55	2559.854	2048.438	4991.733

Sample Name: Q2477-1MS Acquired: 7/9/2025 12:23:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6894334**	**1.942549**	**.9216470**	**1.881464**	**.7937004**	**3.978732**	**.6398027**
Stddev	.0046009	.006474	.0014563	.009499	.0015579	.038390	.0014751
%RSD	.6673438	.3332484	.1580129	.5048857	.1962792	.9648881	.2305597
#1	.6860250	1.947880	.9202539	1.872830	.7924597	3.935737	.6414338
#2	.6946668	1.935345	.9231592	1.879923	.7954488	3.990878	.6385622
#3	.6876084	1.944420	.9215280	1.891640	.7931928	4.009579	.6394123

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2081666**	**.1812731**	**6.552400**	**.4044850**	**.1888803**	**.3726329**	**9.589568**
Stddev	.0016333	.0003038	.054113	.0011042	.0001972	.0031121	.055077
%RSD	.7845962	.1675758	.8258554	.2729870	.1043850	.8351768	.5743450
#1	.2097935	.1810764	6.612852	.4057124	.1891076	.3758093	9.641475
#2	.2065270	.1811198	6.508482	.4041704	.1887549	.3695892	9.531791
#3	.2081793	.1816229	6.535866	.4035723	.1887784	.3725002	9.595438

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.003687**	**3.259997**	**.4688237**	**.0693625**	**13.54749**	**.3114926**	**.2547842**
Stddev	.002106	.035543	.0003985	.0005756	.11995	.0104935	.0016315
%RSD	.2098233	1.090267	.0849983	.8298124	.8853950	3.368779	.6403610
#1	1.006024	3.299178	.4691062	.0696478	13.68281	.3031711	.2566058
#2	1.001936	3.229828	.4683679	.0697397	13.45423	.3232808	.2542898
#3	1.003102	3.250985	.4689970	.0687000	13.50544	.3080259	.2534570

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.12262**	**5.558170**	**.3160095**	**.4036533**	**.4266429**	**1.331873**	**.6454889**
Stddev	.13702	.004115	.0024849	.0005966	.0040827	.009437	.0033848
%RSD	1.044186	.0740296	.7863400	.1477974	.9569354	.7085479	.5243716
#1	13.25260	5.558104	.3143828	.4035119	.4219650	1.340452	.6490906
#2	12.97950	5.562318	.3147758	.4043078	.4294882	1.321765	.6423737
#3	13.13576	5.554089	.3188698	.4031400	.4284754	1.333402	.6450024

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2477-1MS Acquired: 7/9/2025 12:23:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2112507	.2143672	.2499582
Stddev	.0021332	.0061244	.0003022
%RSD	1.009809	2.856957	.1208785
#1	.2093596	.2114584	.2502827
#2	.2108292	.2214039	.2499071
#3	.2135632	.2102392	.2496849

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3393.712	33166.36	2571.378	2067.704	4931.897
Stddev	7.727	57.23	16.013	4.000	7.658
%RSD	.2276799	.1725426	.6227449	.1934395	.1552683
#1	3389.188	33102.49	2557.329	2064.646	4923.560
#2	3389.314	33212.96	2588.813	2066.237	4933.515
#3	3402.634	33183.63	2567.991	2072.231	4938.617

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2477-1MSD Acquired: 7/9/2025 12:27:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6633596**	**1.875511**	**.8916918**	**1.810342**	**.7786327**	**3.837643**	**.6279315**
Stddev	.0028783	.005628	.0043219	.009108	.0022235	.011011	.0015909
%RSD	.4339036	.3000782	.4846823	.5030884	.2855663	.2869158	.2533481
#1	.6666832	1.869077	.8867282	1.800315	.7764618	3.833060	.6261157
#2	.6617088	1.877935	.8937261	1.812607	.7809053	3.850205	.6285987
#3	.6616868	1.879521	.8946212	1.818103	.7785311	3.829664	.6290800

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1983288**	**.1754765**	**6.388874**	**.3898057**	**.1827895**	**.3589011**	**11.90459**
Stddev	.0022672	.0007556	.033404	.0032098	.0008647	.0039033	.12578
%RSD	1.143133	.4306262	.5228447	.8234334	.4730429	1.087571	1.056602
#1	.1984261	.1746084	6.373986	.3915692	.1821022	.3590172	11.92291
#2	.2005457	.1758345	6.365502	.3861008	.1825060	.3627450	12.02021
#3	.1960145	.1759867	6.427133	.3917472	.1837604	.3549410	11.77065

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9907650**	**3.114394**	**.4533506**	**.0651120**	**13.04069**	**.3076429**	**.2455043**
Stddev	.0050140	.024492	.0013365	.0008461	.09078	.0082272	.0015674
%RSD	.5060725	.7864221	.2948123	1.299512	.6960942	2.674261	.6384526
#1	.9871312	3.088566	.4527157	.0660890	13.01888	.3122225	.2451913
#2	.9886785	3.117329	.4524498	.0646349	13.14038	.2981450	.2441169
#3	.9964853	3.137286	.4548862	.0646122	12.96281	.3125612	.2472046

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.58284**	**5.353644**	**.3012144**	**.3996790**	**.4206717**	**1.352047**	**.6371936**
Stddev	.24743	.021978	.0023590	.0018624	.0032140	.011832	.0024961
%RSD	1.966439	.4105212	.7831695	.4659771	.7640037	.8751397	.3917294
#1	12.46204	5.331676	.3012445	.3978234	.4200868	1.350022	.6343449
#2	12.86747	5.353626	.3035582	.3996655	.4177903	1.364761	.6389976
#3	12.41901	5.375631	.2988405	.4015482	.4241378	1.341357	.6382382

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2477-1MSD Acquired: 7/9/2025 12:27:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2090340	.2113758	.2421613
Stddev	.0074407	.0080950	.0002071
%RSD	3.559581	3.829676	.0855381
#1	.2143518	.2077997	.2421745
#2	.2005308	.2056846	.2423615
#3	.2122193	.2206430	.2419479

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3393.230	33219.06	2582.635	2069.004	4930.362
Stddev	12.029	247.77	14.913	11.071	18.755
%RSD	.3545090	.7458576	.5774169	.5350910	.3803977
#1	3405.992	33314.09	2593.756	2062.475	4951.731
#2	3391.597	33405.24	2565.689	2081.786	4922.722
#3	3382.100	32937.84	2588.458	2062.749	4916.632

Sample Name: Q2477-1A Acquired: 7/9/2025 12:31:57 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6840742**	**1.922410**	**.9148882**	**1.871020**	**.7929063**	**3.923805**	**.6365397**
Stddev	.0050040	.008127	.0005282	.006907	.0067069	.034617	.0053016
%RSD	.7315037	.4227581	.0577287	.3691553	.8458624	.8822260	.8328743
#1	.6831226	1.917663	.9143528	1.864166	.7855775	3.931055	.6310477
#2	.6894856	1.917773	.9149028	1.870913	.7944030	3.886138	.6369437
#3	.6796142	1.931794	.9154088	1.877979	.7987383	3.954224	.6416277

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2026861**	**.1802202**	**6.439248**	**.4019047**	**.1873321**	**.3639145**	**10.70842**
Stddev	.0017859	.0003642	.027355	.0006019	.0002666	.0033716	.08907
%RSD	.8811120	.2020917	.4248190	.1497571	.1423327	.9264673	.8317760
#1	.2006868	.1798855	6.409749	.4025611	.1875456	.3603004	10.60877
#2	.2041234	.1801671	6.444218	.4013787	.1870333	.3669750	10.78031
#3	.2032479	.1806080	6.463778	.4017743	.1874174	.3644682	10.73617

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.003096**	**3.253979**	**.4658648**	**.0676103**	**13.24224**	**.3193373**	**.2530517**
Stddev	.007732	.047574	.0000897	.0021476	.08440	.0055025	.0015134
%RSD	.7708531	1.462011	.0192584	3.176490	.6373456	1.723101	.5980589
#1	.994546	3.279490	.4657663	.0663292	13.14609	.3243992	.2528987
#2	1.009598	3.199091	.4659419	.0664119	13.27658	.3201320	.2516207
#3	1.005145	3.283355	.4658861	.0700897	13.30406	.3134807	.2546359

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.76316**	**5.521866**	**.3082820**	**.4049085**	**.4304303**	**1.340860**	**.6468359**
Stddev	.02316	.010543	.0044259	.0013677	.0020241	.014516	.0017807
%RSD	.1814960	.1909313	1.435658	.3377725	.4702484	1.082576	.2752960
#1	12.78749	5.512076	.3031754	.4040917	.4325408	1.324102	.6448113
#2	12.74137	5.520494	.3110103	.4041465	.4285054	1.348953	.6475376
#3	12.76062	5.533028	.3106603	.4064875	.4302445	1.349526	.6481589

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2477-1A Acquired: 7/9/2025 12:31:57 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2123168	.2212157	.2471200
Stddev	.0023363	.0029254	.0011219
%RSD	1.100402	1.322397	.4540041
#1	.2130002	.2195368	.2463178
#2	.2097149	.2245935	.2466402
#3	.2142352	.2195166	.2484021

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3388.384	32994.49	2583.647	2058.478	4922.083
Stddev	13.140	340.00	5.856	22.005	11.392
%RSD	.3877990	1.030474	.2266678	1.068982	.2314494
#1	3389.935	32657.76	2584.334	2042.839	4922.606
#2	3400.680	33337.67	2589.129	2083.640	4933.204
#3	3374.537	32988.03	2577.477	2048.954	4910.438

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2473-07 Acquired: 7/9/2025 12:36:16 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.012501**	**.0116990**	**.0151999**	**-.025890**	**.0177018**	**.0765629**	**.0836978**
Stddev	.004579	.0051667	.0027310	.007087	.0053170	.0547684	.0016787
%RSD	36.62595	44.16339	17.96731	27.37323	30.03648	71.53390	2.005614
#1	-.014956	.0062653	.0183354	-.018462	.0190850	.0279637	.0824132
#2	-.007218	.0122825	.0139236	-.032578	.0221904	.1359077	.0855972
#3	-.015329	.0165491	.0133407	-.026630	.0118299	.0658173	.0830832

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000058**	**.0000296**	**162.9423**	**.0249617**	**.0242444**	**.0053526**	**.0246780**
Stddev	.000075	.0000677	.6187	.0013408	.0006584	.0019490	.0049238
%RSD	129.0202	228.1393	.3797236	5.371420	2.715581	36.41145	19.95225
#1	-.000051	.0001071	162.4207	.0264385	.0249953	.0031447	.0191149
#2	-.000137	-.000018	163.6259	.0238209	.0237660	.0060794	.0264432
#3	.000013	.000000	162.7804	.0246257	.0239720	.0068339	.0284758

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052725**	**3.429866**	**-.002399**	**.0007977**	**321.7593**	**.0016459**	**.0084159**
Stddev	.0027064	.066538	.000737	.0013321	20.1359	.0026835	.0004593
%RSD	51.32978	1.939947	30.70710	166.9780	6.258076	163.0406	5.457703
#1	.0081442	3.442292	-.002643	.0014971	299.0187	.0032848	.0082569
#2	.0027691	3.357992	-.001571	-.000738	337.3254	-.001451	.0080571
#3	.0049044	3.489316	-.002983	.001635	328.9338	.003104	.0089335

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.193116**	**.0622919**	**.0510629**	**-.008770**	**10.69425**	**3.490941**	**-.008747**
Stddev	.153887	.0039770	.0017728	.000190	.46653	.198376	.001474
%RSD	2.963286	6.384402	3.471864	2.165211	4.362456	5.682598	16.85426
#1	5.231564	.0612915	.0490673	-.008641	11.16929	3.261880	-.008483
#2	5.324133	.0666736	.0524559	-.008681	10.67676	3.604312	-.007423
#3	5.023650	.0589107	.0516656	-.008988	10.23672	3.606630	-.010336

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2473-07 Acquired: 7/9/2025 12:36:16 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002317	.0033250	.5609918
Stddev	.001688	.0052958	.0021044
%RSD	72.84335	159.2754	.3751206
#1	-.000579	.0076609	.5592197
#2	-.002424	.0048913	.5633177
#3	-.003950	-.002577	.5604379

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2996.057	29880.00	2332.096	1938.837	3920.293
Stddev	138.715	281.48	141.344	17.067	179.251
%RSD	4.629916	.9420315	6.060822	.8802635	4.572400
#1	2918.717	29559.85	2495.114	1954.096	3792.519
#2	2913.252	29991.55	2257.449	1942.008	3843.160
#3	3156.200	30088.62	2243.726	1920.407	4125.199

Sample Name: Q2473-08 Acquired: 7/9/2025 12:40:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005420**	**.0194775**	**.0202417**	**-.026373**	**.0198659**	**.0449514**
Stddev	.003362	.0046527	.0026657	.000636	.0033264	.0469840
%RSD	62.02986	23.88756	13.16946	2.411439	16.74452	104.5220
#1	-.001942	.0145643	.0200823	-.026477	.0161902	.0761812
#2	-.008653	.0200517	.0229834	-.026951	.0226693	-.009083
#3	-.005664	.0238164	.0176591	-.025692	.0207380	.067755

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0682956**	**.0001177**	**.0000049**	**229.5178**	**.0249076**	**.0273448**
Stddev	.0022849	.0002014	.0000955	3.9691	.0014679	.0001514
%RSD	3.345649	171.2175	1932.951	1.729329	5.893219	.5536836
#1	.0695462	-.000114	.0001007	232.5895	.0232615	.0272152
#2	.0696824	.000221	-.000090	225.0362	.0253809	.0273080
#3	.0656584	.000247	.000004	230.9277	.0260804	.0275112

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0199057**	**.0230658**	**.0001454**	**1.895288**	**-.001560**	**.0016574**
Stddev	.0061579	.0075863	.0011271	.037796	.000658	.0006881
%RSD	30.93554	32.89000	775.2285	1.994191	42.19398	41.51893
#1	.0156530	.0175418	.0012028	1.885003	-.000894	.0022087
#2	.0269673	.0317156	-.001040	1.937162	-.002211	.0018772
#3	.0170969	.0199399	.000274	1.863699	-.001576	.0008862

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**487.0422**	**.0063584**	**.0050368**	^ *****	**.0652897**	**.0752035**
Stddev	108.0923	.0053128	.0002282	-----	.0030121	.0158642
%RSD	22.19361	83.55540	4.531236	-----	4.613362	21.09501
#1	436.7346	.0047900	.0052889	7.636923	.0636092	.0676172
#2	611.1191	.0122789	.0049773	11.03612	.0634928	.0934365
#3	413.2728	.0020064	.0048443	^ -----	.0687670	.0645568

Sample Name: Q2473-08 Acquired: 7/9/2025 12:40:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008887	F 23.92896	2.491005	-.004256	-.001175	-.026838
Stddev	.000224	.36074	.496418	.000751	.002220	.015346
%RSD	2.523418	1.507566	19.92842	17.63762	188.9451	57.17813
#1	-.009088	23.89521	2.223819	-.005048	-.000069	-.010665
#2	-.008928	23.58628	3.063790	-.004164	-.003731	-.041194
#3	-.008645	24.30540	2.185406	-.003555	.000275	-.028655

Elem	Sr4077
Units	ppm
Avg	.9354033
Stddev	.0095416
%RSD	1.020056
#1	.9456520
#2	.9267767
#3	.9337813

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3028.618	28500.18	2231.443	1886.036	3890.312
Stddev	50.415	993.95	383.005	49.027	68.124
%RSD	1.664622	3.487520	17.16400	2.599483	1.751128
#1	2982.271	29342.48	2477.520	1916.258	3848.478
#2	3082.298	28754.19	1790.163	1912.380	3968.921
#3	3021.284	27403.88	2426.645	1829.468	3853.536

Sample Name: PB168748BL Acquired: 7/9/2025 12:45:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000993**	**-.000174**	**-.000056**	**.0079440**	**-.000166**	**.0491650**
Stddev	.001567	.001867	.000524	.0008865	.001645	.0160195
%RSD	157.8508	1074.703	942.7933	11.15900	988.4516	32.58306
#1	.000036	-.001357	-.000040	.0081495	-.001609	.0533365
#2	-.002796	.001978	-.000587	.0069728	-.000516	.0626861
#3	-.000218	-.001143	.000461	.0087096	.001626	.0314725

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025974**	**.0001456**	**-.000012**	**-.073240**	**-.000177**	**.0002457**
Stddev	.0006295	.0001455	.000029	.013605	.000661	.0000649
%RSD	24.23468	99.93381	236.5775	18.57629	374.2821	26.42021
#1	.0033238	.0001089	-.000005	-.085212	.000315	.0002872
#2	.0022545	.0003059	.000012	-.076062	.000084	.0002790
#3	.0022138	.0000219	-.000044	-.058445	-.000928	.0001709

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022440**	**.0153391**	**.0035642**	**-.029392**	**-.000057**	**.0006312**
Stddev	.0014553	.0017495	.0017717	.053174	.000176	.0016908
%RSD	64.85321	11.40514	49.70655	180.9155	311.5718	267.8886
#1	.0005701	.0146288	.0055614	.031396	-.000108	-.001280
#2	.0032088	.0173320	.0029494	-.067281	-.000201	.001933
#3	.0029531	.0140566	.0021819	-.052290	.000140	.001240

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002352**	**.0072137**	**.0046634**	**.0045498**	**.0044043**	**-.003474**
Stddev	.020190	.0022399	.0005611	.0007388	.0026440	.001217
%RSD	858.6020	31.05079	12.03205	16.23859	60.03303	35.03875
#1	.012799	.0052360	.0046483	.0037795	.0067089	-.002513
#2	.005418	.0096461	.0041100	.0046175	.0015178	-.003065
#3	-.025272	.0067592	.0052319	.0052524	.0049862	-.004842

Sample Name: PB168748BL Acquired: 7/9/2025 12:45:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005816	.0076586	-.006762	-.008947	-.001704	F .0280193
Stddev	.0005980	.0037214	.000779	.000804	.004935	.0060445
%RSD	102.8073	48.59044	11.52206	8.980960	289.5445	21.57279
#1	-.000003	.0085504	-.006576	-.009731	-.006813	.0314213
#2	.001192	.0108530	-.007617	-.008125	.003037	.0315961
#3	.000556	.0035724	-.006092	-.008986	-.001337	.0210404

Elem	Sr4077
Units	ppm
Avg	.0001278
Stddev	.0001585
%RSD	123.9723
#1	.0000428
#2	.0000300
#3	.0003107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3366.545	33484.69	2583.567	2082.842	4985.290
Stddev	8.746	73.60	10.540	2.160	12.300
%RSD	.2598051	.2197984	.4079699	.1037149	.2467241
#1	3376.465	33568.68	2583.894	2080.380	4998.295
#2	3363.226	33453.86	2572.867	2083.724	4983.732
#3	3359.943	33431.51	2593.939	2084.422	4973.843

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168748BS Acquired: 7/9/2025 12:49:47 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6807527**	**1.960806**	**.9080569**	**1.935732**	**.7866084**	**1.993252**
Stddev	.0053802	.001027	.0018859	.003849	.0011797	.035647
%RSD	.7903260	.0523707	.2076864	.1988300	.1499671	1.788387
#1	.6846524	1.961286	.9061845	1.937213	.7861011	1.962935
#2	.6746147	1.961505	.9080300	1.931363	.7857673	2.032522
#3	.6829909	1.959627	.9099561	1.938621	.7879569	1.984299

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2169411**	**.2132844**	**.1814329**	**1.034030**	**.3981046**	**.1845751**
Stddev	.0001949	.0049469	.0004281	.037005	.0008845	.0003016
%RSD	.0898594	2.319389	.2359689	3.578728	.2221715	.1634105
#1	.2168355	.2102671	.1817151	1.025213	.3991133	.1845687
#2	.2168216	.2105926	.1809402	1.074648	.3977387	.1842768
#3	.2171660	.2189935	.1816432	1.002230	.3974618	.1848799

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3344055**	**3.337295**	**.2116118**	**1.988652**	**.4639038**	**.0717428**
Stddev	.0068616	.070513	.0009775	.071008	.0020782	.0006854
%RSD	2.051865	2.112875	.4619195	3.570648	.4479702	.9553050
#1	.3307318	3.290112	.2113016	2.037846	.4657438	.0720998
#2	.3301630	3.303420	.2108270	2.020862	.4616498	.0709526
#3	.3423217	3.418353	.2127067	1.907248	.4643176	.0721760

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.044909**	**.3091916**	**.2096523**	**9.389308**	**5.511525**	**.3079023**
Stddev	.033038	.0157583	.0006413	.165995	.024165	.0041579
%RSD	1.085031	5.096607	.3058845	1.767919	.4384379	1.350402
#1	3.055622	.3146538	.2101519	9.524904	5.535833	.3055964
#2	3.007844	.3214921	.2098759	9.204187	5.487506	.3054083
#3	3.071261	.2914290	.2089292	9.438833	5.511238	.3127022

Sample Name: PB168748BS Acquired: 7/9/2025 12:49:47 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3993153	F -.000569	.9611694	.6515158	.1997556	F .2457174
Stddev	.0008697	.007737	.0217590	.0006810	.0026730	.0041431
%RSD	.2178046	1358.690	2.263807	.1045278	1.338117	1.686142
#1	.3992329	.007532	.9473305	.6520967	.1970519	.2430634
#2	.3984897	-.007882	.9499281	.6507663	.1998181	.2504915
#3	.4002233	-.001359	.9862498	.6516844	.2023967	.2435971

Elem	Sr4077
Units	ppm
Avg	.2140382
Stddev	.0006155
%RSD	.2875639
#1	.2135123
#2	.2147151
#3	.2138870

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3365.261	32901.04	2481.324	2051.139	4892.792
Stddev	9.358	13.93	59.143	10.773	20.017
%RSD	.2780899	.0423253	2.383517	.5252077	.4091052
#1	3355.155	32902.03	2519.233	2056.845	4871.645
#2	3373.629	32914.44	2511.564	2057.857	4911.444
#3	3367.000	32886.64	2413.176	2038.713	4895.287

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV03 Acquired: 7/9/2025 12:54:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.825587**	**5.032300**	**4.885871**	**5.012153**	**5.020768**	**10.02072**	**10.75360**
Stddev	.004839	.007469	.006640	.007967	.003152	.07877	.04119
%RSD	.1002872	.1484228	.1358936	.1589456	.0627711	.7860561	.3830661
#1	4.828926	5.026460	4.880033	5.012447	5.021957	10.02882	10.78659
#2	4.827797	5.029724	4.884486	5.019969	5.017195	10.09513	10.76678
#3	4.820037	5.040716	4.893094	5.004044	5.023152	9.93822	10.70743

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2568920**	**2.440013**	**25.54272**	**1.004955**	**2.414328**	**1.271386**	**4.930685**
Stddev	.0012940	.003510	.11906	.000970	.004535	.005985	.022157
%RSD	.5037336	.1438396	.4661121	.0965031	.1878448	.4707374	.4493715
#1	.2573355	2.437868	25.48546	1.005044	2.411251	1.273923	4.925858
#2	.2579059	2.438107	25.67959	1.003944	2.412196	1.275685	4.954858
#3	.2554345	2.444063	25.46311	1.005877	2.419536	1.264551	4.911340

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.586041**	**24.53015**	**2.412482**	**1.242858**	**24.98604**	**2.590049**	**2.603795**
Stddev	.004148	.08710	.004933	.004041	.18648	.009362	.012979
%RSD	.1604164	.3550547	.2044704	.3251121	.7463439	.3614628	.4984588
#1	2.590821	24.61756	2.410723	1.245135	25.13814	2.597162	2.618313
#2	2.583924	24.52950	2.408669	1.238193	25.04199	2.593542	2.593315
#3	2.583379	24.44338	2.418053	1.245247	24.77798	2.579442	2.599757

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.71175**	**5.083437**	**5.180457**	**5.138123**	**4.831801**	**5.111558**	**4.953432**
Stddev	.24090	.018388	.023249	.007364	.002368	.028885	.012433
%RSD	.9748476	.3617191	.4487909	.1433277	.0490065	.5650865	.2510015
#1	24.61456	5.096830	5.186656	5.129899	4.834001	5.120444	4.945904
#2	24.98606	5.062472	5.199979	5.140361	4.832108	5.134956	4.946609
#3	24.53462	5.091008	5.154737	5.144108	4.829295	5.079275	4.967783

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV03 Acquired: 7/9/2025 12:54:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.265576**	**5.125939**	**5.252164**
Stddev	.012246	.012631	.016524
%RSD	.2325623	.2464093	.3146066
#1	5.271515	5.119932	5.261156
#2	5.273719	5.140452	5.262241
#3	5.251493	5.117432	5.233094

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3247.746**	**31755.75**	**2520.080**	**1979.052**	**4389.675**
Stddev	2.954	53.12	17.930	5.498	6.428
%RSD	.0909610	.1672765	.7114698	.2778269	.1464452
#1	3248.612	31701.91	2513.681	1972.735	4387.977
#2	3250.170	31757.24	2506.228	1981.657	4396.782
#3	3244.455	31808.12	2540.331	1982.763	4384.266

Sample Name: CCB03 Acquired: 7/9/2025 12:58:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002003**	**-.002521**	**-.000795**	**.0074535**	**-.001169**	**.0658540**
Stddev	.001048	.000285	.003051	.0004197	.004042	.0312229
%RSD	52.34803	11.29056	383.7218	5.631016	345.7668	47.41231
#1	-.002293	-.002307	-.003011	.0079136	-.005184	.1019071
#2	-.000840	-.002844	-.002060	.0070916	-.001223	.0478580
#3	-.002876	-.002411	.002685	.0073553	.002900	.0477969

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020363**	**.0000922**	**.0000418**	**.0072051**	**-.000210**	**.0001294**
Stddev	.0012266	.0001209	.0000300	.0147648	.000383	.0002025
%RSD	60.23740	131.0158	71.80030	204.9219	182.4307	156.4493
#1	.0034104	.0002214	.0000447	.0227745	-.000639	.0001115
#2	.0016463	.0000734	.0000703	-.006596	-.000090	-.000063
#3	.0010520	-.000018	.0000105	.005436	.000099	.000340

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009574**	**.0000191**	**.0008792**	**.0061884**	**-.000312**	**.0005949**
Stddev	.0005829	.0019795	.0002996	.0488524	.000396	.0011321
%RSD	60.88396	10350.67	34.08109	789.4234	126.6966	190.2858
#1	.0006535	.0018715	.0006151	.0263769	-.000631	.0009655
#2	.0016296	.0002527	.0008177	.0417107	-.000437	-.000676
#3	.0005893	-.002067	.0012049	-.049523	.000131	.001495

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006331**	**-.002052**	**.0003282**	**.0007727**	**.0004004**	F **.0108561**
Stddev	.005983	.003125	.0007944	.0017356	.0004123	.0011328
%RSD	94.48964	152.3214	242.0747	224.6140	102.9574	10.43506
#1	-.001479	.000762	.0001114	.0024938	.0001150	.0109936
#2	-.004500	-.001502	-.000335	-.000977	.0002132	.0119139
#3	-.013016	-.005415	.001208	.000801	.0008731	.0096607

Sample Name: CCB03 Acquired: 7/9/2025 12:58:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001246	.0024352	-.001146	.0013888	-.003515	F .0276202
Stddev	.0003533	.0032420	.000393	.0006876	.001354	.0035849
%RSD	283.5996	133.1264	34.28512	49.51309	38.51267	12.97933
#1	-.000208	-.000243	-.001569	.0007927	-.002233	.0314937
#2	.000495	.006040	-.001075	.0012326	-.004931	.0269478
#3	.000087	.001509	-.000793	.0021410	-.003382	.0244191

Elem	Sr4077
Units	ppm
Avg	.0001024
Stddev	.0002483
%RSD	242.4996
#1	-.000057
#2	.000388
#3	-.000024

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3380.568	33501.41	2572.933	2075.730	5027.160
Stddev	1.867	189.13	4.894	14.099	5.278
%RSD	.0552197	.5645449	.1901972	.6792494	.1049946
#1	3378.514	33700.63	2570.500	2091.901	5032.644
#2	3382.162	33479.30	2569.733	2066.009	5026.719
#3	3381.026	33324.31	2578.567	2069.281	5022.116

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-01DLX10 Acquired: 7/9/2025 13:06:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.009109**	**.0013267**	**.0316181**	**.0060106**	**-.016485**	**.0519956**
Stddev	.001343	.0005381	.0011057	.0036950	.000816	.0397483
%RSD	14.74210	40.56010	3.497064	61.47556	4.950759	76.44545
#1	-.008074	.0017785	.0305390	.0017450	-.016346	.0825410
#2	-.010627	.0014702	.0327486	.0082272	-.017361	.0663904
#3	-.008628	.0007314	.0315668	.0080596	-.015747	.0070554

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0070596**	**.0001421**	**.0007572**	**.5083441**	**.0296581**	**.0023624**
Stddev	.0020475	.0001715	.0001255	.0156321	.0005598	.0004005
%RSD	29.00313	120.6652	16.57114	3.075107	1.887439	16.95229
#1	.0066020	-.000013	.0007883	.4903885	.0303021	.0019752
#2	.0052796	.000113	.0006191	.5157219	.0293849	.0027749
#3	.0092972	.000326	.0008642	.5189219	.0292874	.0023369

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1279469**	**.2722798**	**.0065620**	**.2054950**	**.0854623**	**.0025832**
Stddev	.0078724	.0169984	.0027774	.0187625	.0009946	.0008414
%RSD	6.152838	6.243008	42.32484	9.130400	1.163799	32.57208
#1	.1254572	.2623545	.0097667	.2262254	.0865456	.0032417
#2	.1216204	.2625775	.0048542	.1896782	.0852509	.0016353
#3	.1367631	.2919075	.0050651	.2005815	.0845904	.0028728

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**257.5504**	**.0017002**	F **119.1564**	**46.25607**	**.0139113**	**.0182942**
Stddev	12.1991	.0141817	1.5854	1.76104	.0015628	.0014540
%RSD	4.736573	834.1045	1.330545	3.807152	11.23404	7.947785
#1	253.5618	-.007550	120.8933	45.80848	.0124628	.0193013
#2	247.8449	-.005377	118.7891	44.76202	.0137036	.0189539
#3	271.2445	.018028	117.7869	48.19772	.0155676	.0166273

Sample Name: Q2481-01DLX10 Acquired: 7/9/2025 13:06:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0210604	F 651.6498	.1548865	-.007687	-.000769	.0566562
Stddev	.0014842	2.8553	.0103482	.000123	.005567	.0160375
%RSD	7.047591	.4381597	6.681124	1.601739	723.5177	28.30668
#1	.0227408	653.4905	.1501736	-.007558	-.000351	.0519799
#2	.0205125	653.0982	.1477337	-.007702	-.006533	.0434767
#3	.0199281	648.3606	.1667522	-.007803	.004576	.0745121

Elem	Sr4077
Units	ppm
Avg	.0050686
Stddev	.0002646
%RSD	5.219719
#1	.0048166
#2	.0050450
#3	.0053441

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3174.166	30358.88	2398.360	1941.991	4241.610
Stddev	11.787	268.08	112.451	17.046	22.071
%RSD	.3713352	.8830388	4.688649	.8777646	.5203481
#1	3161.594	30187.49	2464.309	1931.920	4224.377
#2	3175.934	30221.34	2462.251	1932.381	4233.966
#3	3184.968	30667.81	2268.518	1961.673	4266.487

Sample Name: Q2481-01DUPDLX10 Acquired: 7/9/2025 13:11:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.009037**	**.0022690**	**.0298520**	**.0025516**	**-.016140**	**.0595751**
Stddev	.001598	.0016544	.0017757	.0039861	.003559	.0235697
%RSD	17.67919	72.91572	5.948315	156.2213	22.05105	39.56291
#1	-.009074	.0018067	.0318932	.0003709	-.016269	.0497856
#2	-.007422	.0008948	.0286629	.0001316	-.012518	.0864620
#3	-.010616	.0041053	.0290000	.0071522	-.019633	.0424778

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054708**	**.0002557**	**.0007671**	**.4710847**	**.0287089**	**.0017247**
Stddev	.0009183	.0001412	.0000481	.0184828	.0011522	.0002023
%RSD	16.78625	55.23288	6.268283	3.923466	4.013332	11.72949
#1	.0064013	.0003911	.0007221	.4841378	.0285474	.0014917
#2	.0045651	.0002668	.0007613	.4499353	.0276459	.0018277
#3	.0054460	.0001093	.0008178	.4791810	.0299332	.0018548

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1235438**	**.2653965**	**.0040181**	**.0773372**	**.0853560**	**.0008417**
Stddev	.0034037	.0056690	.0009698	.0539804	.0012345	.0016565
%RSD	2.755028	2.136037	24.13565	69.79875	1.446282	196.8071
#1	.1273417	.2718590	.0045368	.1385347	.0867043	.0006322
#2	.1225205	.2630674	.0046184	.0569870	.0842812	-.000700
#3	.1207691	.2612630	.0028993	.0364899	.0850826	.002593

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**239.4922**	**.0028747**	F **116.9761**	**42.32989**	**.0145610**	**.0165478**
Stddev	2.6487	.0003583	.9396	.78479	.0001709	.0024263
%RSD	1.105959	12.46243	.8032393	1.853974	1.173333	14.66210
#1	240.8577	.0030257	117.9655	43.23432	.0147164	.0139893
#2	241.1794	.0024657	116.8668	41.92652	.0145885	.0168385
#3	236.4394	.0031328	116.0959	41.82882	.0143781	.0188157

Sample Name: Q2481-01DUPDLX10 Acquired: 7/9/2025 13:11:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0217290	F 643.9865	.1466682	-.009265	.0005916	.0698066
Stddev	.0006294	2.9629	.0007916	.002713	.0042671	.0123534
%RSD	2.896626	.4600832	.5397103	29.27849	721.3142	17.69666
#1	.0214636	647.2705	.1475820	-.006770	.0035002	.0605586
#2	.0212758	643.1753	.1462284	-.008873	.0025815	.0838361
#3	.0224477	641.5138	.1461940	-.012153	-.004307	.0650252

Elem	Sr4077
Units	ppm
Avg	.0047523
Stddev	.0001037
%RSD	2.181121
#1	.0048406
#2	.0047780
#3	.0046381

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3199.276	30781.20	2504.263	1947.948	4297.246
Stddev	15.106	110.78	18.209	5.055	16.727
%RSD	.4721616	.3599041	.7271353	.2595211	.3892511
#1	3186.750	30734.53	2483.939	1943.855	4280.501
#2	3216.052	30907.68	2509.755	1946.389	4313.956
#3	3195.028	30701.39	2519.094	1953.599	4297.280

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-01LDLX50 Acquired: 7/9/2025 13:16:02 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006556**	**-.001990**	**.0063876**	**.0002240**	**-.005512**	**.0712180**
Stddev	.000324	.001871	.0013007	.0064172	.002756	.0153246
%RSD	4.947633	93.98796	20.36356	2865.327	49.99625	21.51793
#1	-.006248	-.000970	.0069324	-.006865	-.002537	.0569399
#2	-.006895	-.000852	.0049030	.005636	-.006022	.0693046
#3	-.006525	-.004150	.0073273	.001902	-.007978	.0874095

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046275**	**.0002129**	**.0001540**	**.0744902**	**.0062226**	**.0001533**
Stddev	.0015081	.0000680	.0000669	.0061458	.0001786	.0003499
%RSD	32.58973	31.92679	43.43448	8.250435	2.869399	228.2136
#1	.0062726	.0002884	.0000920	.0810950	.0062935	-.000142
#2	.0033103	.0001566	.0002248	.0689399	.0063549	.000540
#3	.0042998	.0001937	.0001452	.0734358	.0060195	.000062

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0300258**	**.0596042**	**.0008608**	**.0267348**	**.0165180**	**-.000197**
Stddev	.0001588	.0017652	.0002412	.0252098	.0006122	.000548
%RSD	.5289712	2.961567	28.01838	94.29608	3.706291	278.1022
#1	.0301827	.0605472	.0010070	.0310460	.0167635	.000231
#2	.0298652	.0606977	.0005824	.0495110	.0158211	-.000008
#3	.0300296	.0575678	.0009930	-.000353	.0169693	-.000815

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.68738**	**.0011534**	F **41.04126**	**8.171000**	**.0047837**	**.0000841**
Stddev	.50048	.0041711	.23914	.092032	.0014773	.0021081
%RSD	.9873855	361.6358	.5826913	1.126330	30.88062	2505.068
#1	51.24454	.0018614	41.30186	8.276672	.0037230	-.000163
#2	50.27591	-.003326	40.99006	8.127913	.0064710	-.001889
#3	50.54169	.004925	40.83187	8.108415	.0041572	.002305

Sample Name: Q2481-01LDLX50 Acquired: 7/9/2025 13:16:02 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041212	F 128.7356	.0290601	-.009473	.0033742	.0409885
Stddev	.0013341	.8270	.0055584	.000843	.0045064	.0058459
%RSD	32.37161	.6424292	19.12710	8.899916	133.5532	14.26239
#1	.0040292	129.5844	.0302593	-.009979	.0012202	.0443391
#2	.0028354	128.6903	.0230000	-.008500	.0085533	.0342382
#3	.0054988	127.9322	.0339210	-.009941	.0003490	.0443881

Elem	Sr4077
Units	ppm
Avg	.0013476
Stddev	.0001830
%RSD	13.57833
#1	.0014758
#2	.0014289
#3	.0011380

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3301.819	32327.27	2509.032	2019.920	4709.547
Stddev	17.113	36.77	15.583	9.879	21.759
%RSD	.5182797	.1137437	.6210886	.4890648	.4620211
#1	3316.474	32285.19	2498.451	2021.708	4732.006
#2	3283.012	32353.19	2526.927	2009.269	4688.562
#3	3305.971	32343.43	2501.718	2028.783	4708.074

Sample Name: Q2481-01MSDLX10 Acquired: 7/9/2025 13:20:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0740604**	**.2129460**	**.1401544**	**.2173257**	**.0674145**	**.2701185**
Stddev	.0042586	.0031532	.0072265	.0044957	.0037215	.0163651
%RSD	5.750134	1.480750	5.156122	2.068670	5.520343	6.058487
#1	.0784485	.2159000	.1474782	.2206756	.0715794	.2656852
#2	.0699444	.2133125	.1399558	.2190851	.0662485	.2564268
#3	.0737882	.2096256	.1330292	.2122163	.0644156	.2882435

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0319580**	**.0234277**	**.0229969**	**.7000468**	**.0784118**	**.0244976**
Stddev	.0011065	.0002304	.0004198	.0042832	.0004496	.0004004
%RSD	3.462222	.9833598	1.825408	.6118517	.5734073	1.634603
#1	.0331507	.0231789	.0234706	.6972089	.0780219	.0249380
#2	.0309649	.0236336	.0228489	.6979577	.0789036	.0241554
#3	.0317585	.0234706	.0226711	.7049737	.0783099	.0243995

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1859452**	**.6700723**	**.0279578**	**.3588586**	**.1565450**	**.0090363**
Stddev	.0013533	.0014003	.0014360	.1029995	.0025561	.0008869
%RSD	.7277916	.2089696	5.136202	28.70198	1.632834	9.815055
#1	.1854991	.6692072	.0264829	.4470579	.1587163	.0094783
#2	.1874653	.6716878	.0280391	.2456607	.1571908	.0080152
#3	.1848713	.6693219	.0293514	.3838573	.1537280	.0096153

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**301.8951**	**.0328276**	F **126.9872**	**55.75292**	**.7023074**	**.0522529**
Stddev	4.6214	.0037552	1.2305	.62462	.0152132	.0010155
%RSD	1.530807	11.43914	.9690161	1.120338	2.166170	1.943382
#1	303.6092	.0311873	128.0902	55.89403	.7135506	.0514523
#2	305.4146	.0301717	127.2116	56.29492	.7083749	.0533951
#3	296.6615	.0371239	125.6600	55.06982	.6849968	.0519114

Sample Name: Q2481-01MSDLX10 Acquired: 7/9/2025 13:20:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0693966	F 769.2994	.2894778	.0698025	.0245508	.0787767
Stddev	.0005863	13.9575	.0037350	.0018945	.0015125	.0102462
%RSD	.8449016	1.814318	1.290243	2.714057	6.160637	13.00669
#1	.0696507	784.0945	.2871530	.0717531	.0259039	.0895084
#2	.0698131	767.4371	.2937861	.0696848	.0229180	.0690971
#3	.0687261	756.3664	.2874943	.0679696	.0248305	.0777244

Elem	Sr4077
Units	ppm
Avg	.0293906
Stddev	.0002876
%RSD	.9785368
#1	.0295950
#2	.0290618
#3	.0295151

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3189.774	30404.33	2417.833	1959.437	4233.660
Stddev	8.028	125.69	15.719	13.740	3.830
%RSD	.2516937	.4134094	.6501462	.7011965	.0904632
#1	3199.031	30339.66	2430.633	1947.130	4229.257
#2	3184.714	30324.13	2400.288	1956.922	4236.216
#3	3185.578	30549.19	2422.579	1974.261	4235.508

Sample Name: Q2481-01MSDDLX10 Acquired: 7/9/2025 13:25:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0725813**	**.2132476**	**.1409189**	**.2163704**	**.0682907**	**.2772891**
Stddev	.0021732	.0039807	.0010412	.0013983	.0021756	.0190688
%RSD	2.994109	1.866728	.7388773	.6462420	3.185801	6.876873
#1	.0750350	.2113840	.1406665	.2171017	.0704684	.2609004
#2	.0718096	.2178183	.1420631	.2147581	.0661172	.2727486
#3	.0708993	.2105405	.1400270	.2172514	.0682866	.2982183

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0306315**	**.0230734**	**.0229498**	**.7118785**	**.0775026**	**.0245709**
Stddev	.0005669	.0004048	.0002622	.0054614	.0013903	.0003487
%RSD	1.850729	1.754255	1.142284	.7671790	1.793926	1.419194
#1	.0311893	.0232820	.0232346	.7170051	.0780883	.0247708
#2	.0300559	.0233314	.0228963	.7061347	.0785042	.0247737
#3	.0306493	.0226069	.0227186	.7124957	.0759152	.0241682

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1847364**	**.6603174**	**.0298835**	**.3557041**	**.1581351**	**.0081326**
Stddev	.0051580	.0144457	.0033472	.1117354	.0013651	.0008637
%RSD	2.792098	2.187685	11.20091	31.41244	.8632342	10.62030
#1	.1873010	.6717354	.0267417	.4772066	.1594821	.0085769
#2	.1881094	.6651394	.0334040	.2573677	.1581704	.0086836
#3	.1787987	.6440775	.0295048	.3325380	.1567526	.0071372

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**289.6747**	**.0414352**	F **127.4544**	**52.96864**	**.7051333**	**.0509978**
Stddev	4.7697	.0202653	1.5263	1.60199	.0109996	.0021013
%RSD	1.646560	48.90849	1.197494	3.024412	1.559935	4.120347
#1	292.9122	.0604181	128.9254	54.37353	.7136033	.0501343
#2	291.9145	.0437936	127.5594	53.30835	.7090951	.0533932
#3	284.1973	.0200939	125.8784	51.22404	.6927016	.0494658

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-01MSDDLX10 Acquired: 7/9/2025 13:25:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0695490	F 776.1566	.2864060	.0697657	.0246360	.1006854
Stddev	.0015172	7.6629	.0044541	.0018244	.0035920	.0062684
%RSD	2.181433	.9872926	1.555178	2.615062	14.58039	6.225696
#1	.0710726	783.9390	.2891661	.0682629	.0283318	.1079157
#2	.0695360	775.9117	.2887843	.0717957	.0211577	.0973600
#3	.0680384	768.6190	.2812676	.0692386	.0244185	.0967804

Elem	Sr4077
Units	ppm
Avg	.0299680
Stddev	.0003398
%RSD	1.133827
#1	.0303552
#2	.0298291
#3	.0297196

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3116.135	29855.28	2427.309	1897.754	4151.864
Stddev	17.452	143.50	38.278	13.628	20.432
%RSD	.5600404	.4806639	1.576988	.7181230	.4921067
#1	3099.161	29718.72	2406.642	1884.044	4136.857
#2	3115.215	29842.28	2403.806	1897.918	4143.602
#3	3134.028	30004.85	2471.479	1911.299	4175.133

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-01ADLX10 Acquired: 7/9/2025 13:30:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0723521**	**.2169688**	**.1362941**	**.2242596**	**.0652305**	**.2801132**
Stddev	.0036576	.0012710	.0015144	.0073150	.0037909	.0299307
%RSD	5.055239	.5857734	1.111127	3.261842	5.811482	10.68521
#1	.0685384	.2184287	.1378999	.2285998	.0695778	.2614023
#2	.0726874	.2161091	.1360909	.2283650	.0626140	.2643038
#3	.0758304	.2163687	.1348916	.2158141	.0634996	.3146336

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0305885**	**.0231319**	**.0231461**	**.6410603**	**.0748604**	**.0241798**
Stddev	.0007999	.0002172	.0001423	.0374832	.0005619	.0000632
%RSD	2.614929	.9390942	.6148259	5.847056	.7505318	.2613871
#1	.0302054	.0233795	.0233095	.6104740	.0751723	.0242495
#2	.0300523	.0230427	.0230495	.6828741	.0751971	.0241263
#3	.0315079	.0229735	.0230794	.6298329	.0742118	.0241635

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1691242**	**.6296739**	**.0271521**	**.3531651**	**.1478709**	**.0084390**
Stddev	.0029909	.0052892	.0021336	.0822767	.0010575	.0019549
%RSD	1.768489	.8399915	7.858006	23.29696	.7151313	23.16478
#1	.1725414	.6355544	.0290393	.3252557	.1488088	.0061928
#2	.1678483	.6253054	.0248370	.4457662	.1480791	.0097553
#3	.1669827	.6281618	.0275799	.2884734	.1467248	.0093690

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**259.4446**	**.0293500**	F **120.9657**	**46.59139**	**.7121748**	**.0499312**
Stddev	3.6805	.0077879	.3566	.69145	.0040727	.0006990
%RSD	1.418588	26.53446	.2947918	1.484082	.5718669	1.399915
#1	263.4881	.0356282	120.8148	47.28730	.7144796	.0505644
#2	258.5560	.0206351	120.7093	46.58239	.7145723	.0491812
#3	256.2899	.0317867	121.3729	45.90447	.7074723	.0500481

Sample Name: Q2481-01ADLX10 Acquired: 7/9/2025 13:30:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0670042	F 699.2696	.2625877	.0696097	.0219149	.0876751
Stddev	.0007503	4.5797	.0005715	.0011815	.0032878	.0078886
%RSD	1.119751	.6549261	.2176589	1.697303	15.00268	8.997536
#1	.0667750	703.6174	.2632460	.0702669	.0195265	.0893011
#2	.0678424	699.7026	.2622998	.0682457	.0205536	.0946240
#3	.0663953	694.4888	.2622175	.0703164	.0256648	.0791002

Elem	Sr4077
Units	ppm
Avg	.0295131
Stddev	.0002963
%RSD	1.003865
#1	.0298536
#2	.0293718
#3	.0293139

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3123.811	30307.34	2473.321	1926.626	4179.547
Stddev	10.106	125.59	10.106	11.946	13.523
%RSD	.3235189	.4144024	.4086193	.6200264	.3235448
#1	3115.137	30436.26	2465.079	1938.659	4167.759
#2	3121.388	30300.39	2484.597	1926.450	4176.574
#3	3134.908	30185.36	2470.288	1914.769	4194.309

Sample Name: Q2481-02DLX10 Acquired: 7/9/2025 13:35:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.010108**	**-.002909**	**.2725931**	**.0072691**	**-.006438**	**.0191918**
Stddev	.001860	.001370	.0012015	.0045087	.001182	.0291945
%RSD	18.39862	47.10720	.4407755	62.02578	18.36293	152.1198
#1	-.008876	-.004450	.2736401	.0022761	-.006844	.0398684
#2	-.012247	-.001827	.2712813	.0110426	-.005106	-.014205
#3	-.009201	-.002450	.2728580	.0084885	-.007363	.031911

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048609**	**.0000581**	**.0146506**	**.1434536**	**.0026146**	**.0020035**
Stddev	.0007287	.0000943	.0001156	.0104074	.0002947	.0003325
%RSD	14.99057	162.2376	.7891122	7.254909	11.26949	16.59616
#1	.0040343	.0001012	.0145616	.1326599	.0025643	.0018275
#2	.0054103	-.000050	.0146090	.1534261	.0029312	.0023870
#3	.0051382	.000123	.0147813	.1442747	.0023484	.0017960

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.083193**	**.1507716**	**.0039923**	**.0314342**	**.0581368**	**.1006591**
Stddev	.010896	.0031222	.0020413	.0406903	.0005343	.0007446
%RSD	.3534067	2.070835	51.13045	129.4461	.9190829	.7397319
#1	3.091949	.1483143	.0017465	.0782388	.0583050	.1011151
#2	3.070990	.1497156	.0044956	.0115952	.0585668	.0997998
#3	3.086638	.1542849	.0057349	.0044686	.0575387	.1010623

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.609482**	**-.002505**	F **52.09661**	**108.6418**	**.1202280**	**.0007283**
Stddev	.021920	.004186	.65722	1.2206	.0015783	.0014182
%RSD	.6073016	167.1165	1.261550	1.123526	1.312761	194.7205
#1	3.631757	-.003428	51.34842	110.0321	.1190516	-.000560
#2	3.587934	.002065	52.58070	107.7460	.1220216	.000497
#3	3.608754	-.006152	52.36072	108.1474	.1196107	.002248

Sample Name: Q2481-02DLX10 Acquired: 7/9/2025 13:35:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004169**	**.4872287**	**.0060132**	**-.004626**	**-.000910**	**.0289600**
Stddev	.0005221	.0103060	.0030499	.000529	.004062	.0026389
%RSD	125.2378	2.115226	50.71921	11.43000	446.3497	9.112133
#1	-.000048	.4989780	.0086341	-.005206	-.005508	.0320069
#2	.000982	.4829909	.0026656	-.004502	.000588	.0274648
#3	.000317	.4797171	.0067399	-.004170	.002190	.0274081

Elem	Sr4077
Units	ppm
Avg	**.0029236**
Stddev	.0001746
%RSD	5.973029
#1	.0031247
#2	.0028111
#3	.0028349

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3251.628**	**31757.25**	**2537.421**	**1977.107**	**4515.813**
Stddev	11.862	63.85	9.742	4.559	18.632
%RSD	.3648152	.2010534	.3839234	.2306099	.4125930
#1	3259.155	31685.03	2532.200	1982.364	4531.739
#2	3237.953	31780.53	2548.661	1974.741	4495.323
#3	3257.776	31806.19	2531.403	1974.218	4520.377

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-03DLX10 Acquired: 7/9/2025 13:40:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0339294**	**-.003542**	**.0034134**	**.0995802**	**.0605534**	**.1335422**
Stddev	.0023781	.002642	.0026025	.0015546	.0027854	.0161820
%RSD	7.009135	74.59275	76.24370	1.561103	4.599850	12.11753
#1	.0341996	-.004670	.0057191	.0980256	.0636817	.1488613
#2	.0314277	-.005434	.0005914	.0995804	.0583424	.1351482
#3	.0361609	-.000523	.0039297	.1011347	.0596360	.1166171

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0118768**	**.0002722**	**.0183202**	**-.021968**	**.0044607**	**-.000119**
Stddev	.0016793	.0002806	.0000642	.027503	.0008251	.000250
%RSD	14.13932	103.0749	.3501796	125.1981	18.49620	211.3363
#1	.0101719	.0005827	.0182946	-.053706	.0053330	.000138
#2	.0119294	.0001974	.0182729	-.007055	.0043563	-.000362
#3	.0135292	.0000367	.0183932	-.005141	.0036928	-.000131

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0245315**	**.0037468**	**.0002034**	**.0580545**	**-.000536**	**4.035100**
Stddev	.0023324	.0033886	.0022531	.0966482	.001093	.185899
%RSD	9.507827	90.44017	1107.550	166.4784	204.0703	4.607047
#1	.0222839	.0033303	.0011692	-.049753	.000714	4.243822
#2	.0269404	.0005857	-.002372	.136939	-.001009	3.974153
#3	.0243703	.0073245	.001813	.086978	-.001312	3.887325

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**721.9859**	**-.007460**	F **26.63473**	^ *****	**.1507246**	**.0307152**
Stddev	47.7803	.013379	.33314	-----	.0056610	.0017871
%RSD	6.617897	179.3554	1.250781	-----	3.755878	5.818446
#1	684.5739	-.007869	26.99771	^ -----	.1443506	.0290854
#2	775.8090	.006120	26.56354	^ -----	.1526559	.0326263
#3	705.5747	-.020629	26.34294	^ -----	.1551672	.0304339

Sample Name: Q2481-03DLX10 Acquired: 7/9/2025 13:40:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010352**	**21.82460**	**.4144992**	**.0630021**	**-.000471**	**.3204240**
Stddev	.0004679	.04681	.0343715	.0030745	.006327	.0373556
%RSD	45.19847	.2144735	8.292304	4.880062	1342.106	11.65817
#1	.0014824	21.77731	.3856311	.0599522	-.007705	.2786750
#2	.0005491	21.82560	.4525209	.0629534	.004035	.3506903
#3	.0010741	21.87091	.4053456	.0661007	.002256	.3319067

Elem	Sr4077
Units	ppm
Avg	**.0102997**
Stddev	.0004508
%RSD	4.377086
#1	.0100920
#2	.0108169
#3	.0099902

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2952.764**	**26940.96**	**2287.892**	**1826.511**	**3700.526**
Stddev	8.211	444.26	166.992	5.799	10.911
%RSD	.2780952	1.649027	7.298942	.3174666	.2948389
#1	2944.496	26493.88	2427.070	1820.609	3691.916
#2	2952.878	26946.65	2102.724	1826.725	3696.867
#3	2960.918	27382.35	2333.882	1832.200	3712.796

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-03DL2X20 Acquired: 7/9/2025 13:44:46 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0084317**	**-.002906**	**.0026188**	**.0846622**	**.0274986**	**.0998529**	**.0085005**
Stddev	.0023440	.001298	.0007765	.0029703	.0009152	.0292710	.0012947
%RSD	27.79970	44.65699	29.64995	3.508377	3.328070	29.31414	15.23033
#1	.0095574	-.003539	.0025190	.0823579	.0275263	.0677801	.0074543
#2	.0057372	-.003765	.0034403	.0836144	.0283996	.1251248	.0080988
#3	.0100004	-.001413	.0018970	.0880144	.0265699	.1066537	.0099484

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000862**	**.0090503**	**-.034145**	**.0019241**	**.0002920**	**.0132331**	**.0009359**
Stddev	.0002087	.0000827	.015074	.0010562	.0001309	.0002657	.0020893
%RSD	242.0028	.9134834	44.14775	54.89458	44.83118	2.008162	223.2453
#1	.0001834	.0090185	-.049442	.0014569	.0003867	.0133508	-.000189
#2	-.000153	.0091441	-.019304	.0011821	.0001426	.0134196	.003347
#3	.000229	.0089882	-.033688	.0031334	.0003467	.0129288	-.000350

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000505**	**-.090369**	**-.000652**	**7.227381**	**408.7799**	**-.014933**	**13.82840**
Stddev	.000787	.055790	.000332	.042628	7.4539	.013332	.10687
%RSD	155.9487	61.73589	50.85295	.5898096	1.823445	89.28147	.7727955
#1	-.000861	-.146800	-.000604	7.270125	400.8867	-.025263	13.77915
#2	-.001050	-.089062	-.000347	7.227145	409.7543	.000117	13.95102
#3	.000398	-.035244	-.001006	7.184871	415.6986	-.019654	13.75505

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.0766872**	**.0134465**	**.0008071**	**10.52989**	**.1953699**	**.0190152**
Stddev	-----	.0023712	.0025804	.0002414	.07145	.0008079	.0005387
%RSD	-----	3.092098	19.19017	29.91173	.6785396	.4135414	2.833229
#1	^ -----	.0747486	.0142948	.0010739	10.58341	.1945328	.0185382
#2	^ -----	.0793311	.0105487	.0006036	10.44876	.1961451	.0189078
#3	^ -----	.0759820	.0154960	.0007440	10.55751	.1954318	.0195995

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-03DL2X20 Acquired: 7/9/2025 13:44:46 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002070	.1504797	.0056740
Stddev	.001677	.0090510	.0000718
%RSD	81.00740	6.014734	1.265652
#1	-.000980	.1565207	.0056752
#2	-.001229	.1400734	.0056016
#3	-.004002	.1548450	.0057452

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3056.985	28817.96	2504.925	1869.060	3901.446
Stddev	10.779	52.90	18.004	16.328	18.639
%RSD	.3526117	.1835667	.7187371	.8735921	.4777399
#1	3066.101	28852.17	2521.461	1886.633	3922.424
#2	3045.087	28757.03	2507.570	1854.358	3895.122
#3	3059.766	28844.67	2485.746	1866.189	3886.792

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-04DLX5 Acquired: 7/9/2025 13:49:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005585**	**-.001124**	**.0003285**	**.0238615**	**.0063528**	**.0423002**	**.0067933**
Stddev	.0019750	.000346	.0012320	.0021740	.0009631	.0076982	.0017713
%RSD	353.6224	30.77655	374.9876	9.111105	15.16048	18.19887	26.07475
#1	-.001719	-.000740	.0002368	.0214043	.0069577	.0444392	.0062751
#2	.001602	-.001412	.0016039	.0255350	.0052422	.0487026	.0087659
#3	.001793	-.001220	-.000855	.0246453	.0068585	.0337587	.0053389

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002943**	**.0025811**	**-.062911**	**.0005245**	**.0113660**	**.0278646**	**.0054710**
Stddev	.0000843	.0000030	.016764	.0008814	.0004903	.0011366	.0019081
%RSD	28.63621	.1161889	26.64724	168.0505	4.313687	4.078965	34.87595
#1	.0003716	.0025845	-.063475	-.000332	.0116662	.0280053	.0032716
#2	.0003070	.0025799	-.079385	.001429	.0116315	.0266642	.0066829
#3	.0002045	.0025788	-.045872	.000477	.0108002	.0289243	.0064586

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017421**	**.0075102**	**-.000252**	**.3686762**	**28.45453**	**-.007783**	**.0211755**
Stddev	.0028888	.0865320	.000265	.0737186	.18813	.006275	.0006136
%RSD	165.8249	1152.192	105.3279	19.99549	.6611510	80.62271	2.897685
#1	.0047773	.0633128	-.000072	.4432059	28.32525	-.014817	.0218625
#2	.0014226	-.092171	-.000556	.3670262	28.67036	-.002763	.0206819
#3	-.000974	.051389	-.000127	.2957964	28.36799	-.005768	.0209821

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**129.3410**	**.0138324**	**-.003078**	**.0005070**	**2.160404**	**-.000572**	**.0001950**
Stddev	1.4695	.0047072	.001269	.0001489	.002261	.002065	.0003749
%RSD	1.136130	34.02994	41.23258	29.35848	.1046729	360.8817	192.3184
#1	129.9584	.0170700	-.004527	.0003967	2.162368	-.001550	.0004943
#2	130.4011	.0084326	-.002163	.0006764	2.160913	.001800	-.000226
#3	127.6636	.0159946	-.002544	.0004481	2.157932	-.001967	.000316

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-04DLX5 Acquired: 7/9/2025 13:49:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0006723	.0308661	.0003996
Stddev	.0027947	.0008737	.0001094
%RSD	415.7049	2.830568	27.37863
#1	.0038950	.0298821	.0005136
#2	-.001084	.0311655	.0002954
#3	-.000794	.0315508	.0003900

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3308.856	32162.89	2493.697	2037.786	4576.786
Stddev	24.354	284.43	17.403	10.306	35.045
%RSD	.7360286	.8843529	.6978986	.5057305	.7657041
#1	3284.085	32059.01	2497.094	2028.190	4544.001
#2	3309.714	31944.99	2474.845	2036.488	4572.636
#3	3332.771	32484.66	2509.151	2048.679	4613.720

Sample Name: CCV04 Acquired: 7/9/2025 14:05:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.862570**	**5.075089**	**4.928366**	**5.046240**	**5.008228**	**10.06158**	**10.71875**
Stddev	.005763	.007430	.007424	.006646	.010928	.02788	.03927
%RSD	.1185134	.1464025	.1506280	.1317119	.2181935	.2770799	.3664030
#1	4.861783	5.073304	4.924843	5.038617	5.001019	10.08129	10.74348
#2	4.857242	5.068714	4.923360	5.049288	5.002864	10.02968	10.67346
#3	4.868686	5.083249	4.936895	5.050816	5.020801	10.07376	10.73930

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2591304**	**2.459933**	**25.67012**	**1.001220**	**2.412000**	**1.280274**	**4.997832**
Stddev	.0019981	.003676	.07073	.002204	.003923	.008039	.042285
%RSD	.7710906	.1494158	.2755510	.2201254	.1626399	.6278753	.8460758
#1	.2581899	2.460710	25.72574	1.001127	2.408777	1.279159	4.978433
#2	.2577761	2.455931	25.59051	.999064	2.410856	1.272851	4.968725
#3	.2614252	2.463158	25.69410	1.003469	2.416368	1.288812	5.046336

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.586548**	**24.52236**	**2.418039**	**1.262547**	**25.78863**	**2.582774**	**2.579041**
Stddev	.003320	.16629	.003811	.004403	.56867	.021687	.016134
%RSD	.1283421	.6781343	.1576155	.3487214	2.205118	.8396968	.6255696
#1	2.583410	24.70228	2.416505	1.264046	25.50707	2.560705	2.593605
#2	2.586211	24.37429	2.415234	1.257591	25.41568	2.583558	2.581821
#3	2.590024	24.49051	2.422379	1.266005	26.44315	2.604058	2.561699

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.34770**	**5.184058**	**5.220626**	**5.131066**	**4.886389**	**5.149872**	**5.004881**
Stddev	.39429	.012348	.045263	.001692	.012665	.055863	.003734
%RSD	1.555532	.2381943	.8670042	.0329793	.2591978	1.084736	.0746065
#1	25.03912	5.181350	5.205562	5.130419	4.871907	5.129617	5.006786
#2	25.21207	5.173289	5.184816	5.129793	4.891864	5.106962	5.000579
#3	25.79190	5.197536	5.271501	5.132986	4.895396	5.213036	5.007280

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV04 Acquired: 7/9/2025 14:05:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.252771**	**5.107012**	**5.220772**
Stddev	.016980	.007503	.019424
%RSD	.3232589	.1469228	.3720496
#1	5.265505	5.098836	5.231634
#2	5.233492	5.108618	5.198346
#3	5.259315	5.113582	5.232334

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3297.853**	**32319.72**	**2534.622**	**2022.178**	**4438.867**
Stddev	1.232	113.98	13.691	20.802	2.519
%RSD	.0373481	.3526711	.5401513	1.028695	.0567416
#1	3297.279	32188.13	2535.686	2004.241	4438.488
#2	3299.267	32387.66	2547.751	2017.312	4441.554
#3	3297.014	32383.36	2520.431	2044.982	4436.559

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB04 Acquired: 7/9/2025 14:28:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002711**	**-.000187**	**-.000537**	**.0028122**	**.0003556**	**.0472991**
Stddev	.001433	.002189	.000481	.0024888	.0019057	.0195211
%RSD	52.87628	1170.242	89.58019	88.49817	535.9414	41.27164
#1	-.003784	.001883	.000016	.0056773	-.000254	.0392061
#2	-.003265	-.002477	-.000772	.0015729	.002491	.0331261
#3	-.001083	.000033	-.000855	.0011864	-.001171	.0695652

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025966**	**-.000047**	**.0000658**	**-.002292**	**.0006237**	**.0003239**
Stddev	.0009193	.000048	.0000526	.015358	.0007777	.0001976
%RSD	35.40486	102.2223	79.97791	670.0199	124.6856	61.02270
#1	.0036580	.000004	.0000221	-.020006	.0001642	.0001556
#2	.0020502	-.000092	.0000511	.005827	.0001853	.0005415
#3	.0020816	-.000054	.0001242	.007302	.0015216	.0002745

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007675**	**.0013941**	**.0006853**	**-.024342**	**-.000522**	**.0078579**
Stddev	.0004823	.0023176	.0010263	.057994	.000444	.0002491
%RSD	62.83965	166.2440	149.7527	238.2436	85.15376	3.169982
#1	.0002188	.0039188	.0012290	-.039831	-.000391	.0079204
#2	.0011241	.0009003	-.000498	.039823	-.001017	.0075835
#3	.0009597	-.000637	.001325	-.073019	-.000157	.0080698

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0244155**	**-.002097**	**.0005388**	**.0132453**	**.0046619**	**-.007714**
Stddev	.0152946	.015194	.0006729	.0010336	.0005670	.000961
%RSD	62.64284	724.4496	124.8898	7.803608	12.16212	12.45577
#1	.0115947	.000895	.0010946	.0142700	.0043860	-.008270
#2	.0413447	-.018564	.0007311	.0122030	.0053140	-.008268
#3	.0203072	.011378	-.000209	.0132629	.0042856	-.006605

Sample Name: CCB04 Acquired: 7/9/2025 14:28:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001744	.0068637	-.004201	.0000231	-.000061	F .0387504
Stddev	.0003539	.0048848	.001947	.0006955	.002831	.0025144
%RSD	202.9981	71.16854	46.35918	3010.711	4678.269	6.488809
#1	.0000579	.0061575	-.006067	-.000332	.002971	.0391996
#2	-.000107	.0120632	-.002181	.000825	-.000516	.0360416
#3	.000572	.0023705	-.004354	-.000423	-.002636	.0410100

Elem	Sr4077
Units	ppm
Avg	.0001528
Stddev	.0001248
%RSD	81.66478
#1	.0000192
#2	.0001728
#3	.0002663

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3439.647	34333.18	2625.140	2124.404	5141.104
Stddev	8.447	24.23	13.327	5.947	16.290
%RSD	.2455814	.0705608	.5076549	.2799228	.3168568
#1	3442.202	34323.66	2621.873	2130.740	5145.247
#2	3446.521	34360.72	2639.797	2118.943	5154.923
#3	3430.217	34315.16	2613.751	2123.529	5123.143

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-06DLX5 Acquired: 7/9/2025 14:33:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-06DLX5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000318**	**.0229217**	**.0034663**	**.0022481**	**-.000681**	**.0492516**	**.0038200**
Stddev	.000933	.0031196	.0015287	.0055479	.001443	.0098304	.0002703
%RSD	293.1770	13.60989	44.10232	246.7875	212.0370	19.95950	7.074726
#1	.000688	.0248211	.0049639	.0083633	.000945	.0393436	.0040718
#2	-.000487	.0193213	.0035266	-.002462	-.001176	.0494086	.0035345
#3	-.001155	.0246226	.0019083	.000843	-.001811	.0590024	.0038539

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000008**	**.0013983**	**-.050480**	**.0005484**	**.0004823**	**.1039313**	**-.000054**
Stddev	.000012	.0000322	.016763	.0007582	.0003247	.0019127	.002836
%RSD	144.9135	2.305407	33.20824	138.2706	67.32147	1.840361	5239.759
#1	-.000014	.0014061	-.069626	.0013971	.0001647	.1049582	.003195
#2	.000005	.0013629	-.043372	.0003103	.0008138	.1017244	-.001325
#3	-.000016	.0014259	-.038441	-.000062	.0004685	.1051112	-.002033

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007070**	**-.103885**	**.0017221**	**.0553188**	**63.72543**	**-.003706**	**.2371409**
Stddev	.0005318	.058865	.0002310	.0020525	1.78196	.006336	.0007486
%RSD	75.21423	56.66341	13.41226	3.710339	2.796313	170.9949	.3156677
#1	.0012015	-.079634	.0019886	.0545237	61.86209	-.005114	.2377841
#2	.0001445	-.171000	.0015989	.0576500	65.41298	-.009220	.2363192
#3	.0007750	-.061019	.0015790	.0537828	63.90124	.003216	.2373193

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.0296532**	**.0363315**	**.0008406**	**1.053574**	**.0085441**	**-.000014**
Stddev	-----	.0039650	.0011767	.0003165	.036163	.0020229	.002602
%RSD	-----	13.37121	3.238774	37.65074	3.432455	23.67600	18241.48
#1	^ -----	.0306036	.0375542	.0011804	1.042668	.0107184	-.001388
#2	^ -----	.0330566	.0362332	.0005542	1.093935	.0067178	-.001641
#3	^ -----	.0252994	.0352070	.0007872	1.024119	.0081960	.002987

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-06DLX5 Acquired: 7/9/2025 14:33:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-06DLX5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003226	.0211431	.0002637
Stddev	.001348	.0186631	.0000364
%RSD	41.79471	88.27023	13.80836
#1	-.003748	.0393932	.0002447
#2	-.004236	.0020928	.0003057
#3	-.001695	.0219434	.0002408

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3004.061	30326.96	2339.416	1959.744	3964.076
Stddev	47.554	379.30	15.598	11.225	58.375
%RSD	1.582999	1.250709	.6667579	.5727585	1.472592
#1	3057.056	30527.26	2331.818	1947.538	4016.239
#2	2965.111	29889.49	2357.358	1962.071	3901.023
#3	2990.015	30564.12	2329.073	1969.622	3974.965

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-07DLX5 Acquired: 7/9/2025 14:37:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-07DLX5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020598**	**-.001028**	**-.000296**	**.0086792**	**.0019842**	**.0357901**	**.0047104**
Stddev	.0015054	.003459	.000898	.0052812	.0004226	.0309003	.0008677
%RSD	73.08273	336.5983	302.9558	60.84926	21.29982	86.33757	18.42075
#1	.0018388	-.002860	-.000459	.0141829	.0022571	.0292669	.0044256
#2	.0036635	.002962	-.001102	.0036529	.0014974	.0086722	.0040209
#3	.0006772	-.003185	.000672	.0082018	.0021982	.0694312	.0056847

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003807**	**.0000014**	**-.087407**	**.0014427**	**.1229827**	**.0684166**	**.0029705**
Stddev	.0000866	.0000535	.029529	.0002279	.0005161	.0037281	.0023586
%RSD	22.73727	3877.883	33.78391	15.79472	.4196452	5.449051	79.39862
#1	.0004681	.0000050	-.060748	.0011832	.1226002	.0647735	.0049536
#2	.0002950	-.000054	-.119147	.0015352	.1227781	.0682521	.0035956
#3	.0003789	.000053	-.082324	.0016099	.1235697	.0722241	.0003624

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021866**	**-.089370**	**.0008473**	**.0353207**	**28.51355**	**-.008163**	**.0026739**
Stddev	.0013454	.100800	.0007170	.0022626	.61621	.002698	.0001138
%RSD	61.52956	112.7902	84.61766	6.405758	2.161122	33.04622	4.256129
#1	.0036195	-.185186	.0011487	.0340726	28.41796	-.011275	.0027781
#2	.0009504	.015767	.0013643	.0339571	29.17197	-.006728	.0025525
#3	.0019898	-.098690	.0000288	.0379325	27.95071	-.006487	.0026912

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.5285349**	**.0242058**	**.0026980**	**.6668697**	**.0029414**	**.0007135**
Stddev	-----	.0123210	.0006274	.0010520	.0102015	.0004426	.0008295
%RSD	-----	2.331158	2.592110	38.99260	1.529759	15.04750	116.2582
#1	^ -----	.5147796	.0235718	.0017103	.6551122	.0032109	-.000232
#2	^ -----	.5322662	.0248265	.0025793	.6721225	.0031827	.001051
#3	^ -----	.5385591	.0242190	.0038043	.6733744	.0024306	.001321

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-07DLX5 Acquired: 7/9/2025 14:37:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-07DLX5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003041	.0526288	.0003041
Stddev	.000693	.0052456	.0001461
%RSD	22.79265	9.967129	48.03019
#1	-.002567	.0471698	.0004368
#2	-.002720	.0530855	.0001476
#3	-.003837	.0576311	.0003279

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3185.116	28861.77	2414.070	1893.518	4232.412
Stddev	13.562	1446.59	53.981	85.275	37.407
%RSD	.4258035	5.012141	2.236082	4.503542	.8838238
#1	3194.115	27376.08	2419.918	1819.239	4268.163
#2	3191.716	30265.81	2464.888	1986.638	4235.529
#3	3169.517	28943.41	2357.403	1874.676	4193.544

Sample Name: Q2481-08 Acquired: 7/9/2025 14:42:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039147**	**.0022514**	**.0103841**	**.0058596**	**.0132980**	**.6086932**
Stddev	.0021006	.0012755	.0032170	.0059638	.0034680	.0536456
%RSD	53.65840	56.65312	30.98028	101.7774	26.07921	8.813246
#1	.0027566	.0036235	.0066709	-.000142	.0151686	.6354579
#2	.0026481	.0020288	.0123308	.005936	.0092963	.5469312
#3	.0063394	.0011018	.0121508	.011785	.0154290	.6436905

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0178255**	**.0002404**	**.0014497**	**.7619884**	**.6207391**	**.0102299**
Stddev	.0002584	.0000158	.0000532	.0163955	.0019732	.0001659
%RSD	1.449477	6.552615	3.667933	2.151676	.3178842	1.622097
#1	.0177877	.0002248	.0013884	.7708071	.6227602	.0100392
#2	.0181006	.0002564	.0014779	.7430709	.6188175	.0103408
#3	.0175880	.0002402	.0014828	.7720872	.6206397	.0103098

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.68672**	**9.494453**	**.1222491**	**.1542804**	**2.079202**	**.0049096**
Stddev	.44012	.034486	.0018959	.0263511	.023861	.0008176
%RSD	1.482551	.3632258	1.550813	17.07999	1.147596	16.65218
#1	29.32376	9.475430	.1231708	.1348860	2.051938	.0058282
#2	29.56013	9.534261	.1235079	.1436731	2.096276	.0042620
#3	30.17626	9.473668	.1200686	.1842821	2.089393	.0046385

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.245956**	**-.016572**	**8.521488**	**55.77186**	**.6660921**	**.0242021**
Stddev	.009531	.004259	.034112	.74005	.0169907	.0011912
%RSD	.1525931	25.70113	.4003007	1.326926	2.550806	4.921824
#1	6.240711	-.013602	8.521301	55.13864	.6484696	.0232792
#2	6.256957	-.021451	8.487469	56.58541	.6674353	.0255468
#3	6.240199	-.014662	8.555692	55.59152	.6823713	.0237803

Sample Name: Q2481-08 Acquired: 7/9/2025 14:42:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-08 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8333537	F 1144.255	.2027950	-.004706	.0516722	.0644309
Stddev	.0071767	78.070	.0019126	.000638	.0020844	.0024859
%RSD	.8611835	6.822807	.9431338	13.55410	4.033943	3.858188
#1	.8283273	1056.459	.2008190	-.004073	.0500452	.0616324
#2	.8415727	1205.869	.2046373	-.004696	.0540217	.0663833
#3	.8301610	1170.438	.2029288	-.005349	.0509496	.0652770

Elem	Sr4077
Units	ppm
Avg	.0095060
Stddev	.0001310
%RSD	1.377887
#1	.0094317
#2	.0094291
#3	.0096572

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3061.388	32279.30	2400.236	2013.393	4401.997
Stddev	176.741	96.90	10.325	8.673	260.283
%RSD	5.773225	.3002072	.4301834	.4307747	5.912829
#1	3247.497	32383.69	2408.533	2023.061	4687.372
#2	2895.809	32261.99	2388.673	2010.822	4177.653
#3	3040.859	32192.22	2403.503	2006.296	4340.966

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-09DLX10 Acquired: 7/9/2025 14:46:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-09DLX1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0101539**	**-.001629**	**.0040759**	**.0766457**	**.0188809**	**.0436760**	**.0201512**
Stddev	.0010281	.001272	.0017018	.0021234	.0032290	.0351765	.0011848
%RSD	10.12518	78.09302	41.75212	2.770416	17.10211	80.53977	5.879711
#1	.0091960	-.002754	.0047503	.0741943	.0226062	.0033454	.0188747
#2	.0112402	-.001885	.0053372	.0779145	.0168825	.0680214	.0212157
#3	.0100254	-.000248	.0021403	.0778283	.0171541	.0596611	.0203632

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001466**	**.0105656**	**-.050883**	**.0018385**	**.0004568**	**.0094534**	**.0057719**
Stddev	.0000928	.0001071	.014031	.0005849	.0002921	.0012573	.0016683
%RSD	63.30337	1.014043	27.57447	31.81332	63.95759	13.29978	28.90436
#1	.0000501	.0106490	-.064866	.0012357	.0004457	.0098338	.0039725
#2	.0002352	.0106030	-.036805	.0018761	.0001703	.0104765	.0060760
#3	.0001545	.0104447	-.050977	.0024036	.0007543	.0080498	.0072673

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019433**	**.0586309**	**.0014604**	**1.773808**	**503.1569**	**-.005904**	**10.42259**
Stddev	.0009834	.0939797	.0003692	.032426	3.9793	.014770	.02718
%RSD	50.60664	160.2904	25.28170	1.828034	.7908674	250.1906	.2608115
#1	.0023329	-.029768	.0016442	1.786601	506.8291	.007708	10.39296
#2	.0008247	.048319	.0017015	1.797886	503.7128	-.003809	10.44638
#3	.0026723	.157341	.0010353	1.736938	498.9289	-.021609	10.42842

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.1206520**	**.0194609**	**.0007329**	**2.139772**	**.0337471**	**.0245528**
Stddev	-----	.0054837	.0005150	.0001783	.045208	.0036301	.0002091
%RSD	-----	4.545053	2.646246	24.32625	2.112726	10.75680	.8515057
#1	^ -----	.1268794	.0193421	.0005855	2.188334	.0353435	.0244358
#2	^ -----	.1165458	.0190157	.0009311	2.132076	.0363054	.0247942
#3	^ -----	.1185307	.0200249	.0006822	2.098907	.0295924	.0244284

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-09DLX10 Acquired: 7/9/2025 14:46:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-09DLX1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004393	.1759267	.0005281
Stddev	.002676	.0043817	.0002457
%RSD	60.91559	2.490639	46.52785
#1	-.001308	.1737845	.0002664
#2	-.006090	.1809674	.0007538
#3	-.005782	.1730283	.0005640

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2986.918	27662.38	2434.833	1815.000	3776.068
Stddev	15.924	127.17	25.085	3.418	20.101
%RSD	.5331214	.4597348	1.030262	.1883206	.5323197
#1	2993.423	27517.95	2405.876	1812.251	3780.205
#2	2968.771	27711.57	2448.712	1818.827	3754.221
#3	2998.558	27757.60	2449.912	1813.923	3793.778

Sample Name: Q2481-10DLX5 Acquired: 7/9/2025 14:51:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004132**	**-.005789**	**.0004447**	**.0246422**	**.0103692**	**.1208316**
Stddev	.001551	.000538	.0030719	.0092043	.0042724	.0231642
%RSD	37.53884	9.292606	690.8189	37.35161	41.20321	19.17065
#1	-.005225	-.006333	-.002666	.0265414	.0152904	.1310971
#2	-.002357	-.005257	.000524	.0327488	.0076084	.0943086
#3	-.004815	-.005776	.003476	.0146365	.0082088	.1370891

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0357901**	**.0002566**	**.0000379**	**.0338492**	**.0008667**	**.0004681**
Stddev	.0011714	.0001767	.0000542	.0251214	.0009889	.0002344
%RSD	3.273021	68.84523	142.9434	74.21552	114.0992	50.06568
#1	.0345050	.0002439	-.000015	.0064357	.0001780	.0002135
#2	.0367982	.0000867	.000035	.0393427	.0004223	.0006749
#3	.0360670	.0004393	.000093	.0557693	.0019998	.0005159

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0062675**	**.0541162**	**.0083737**	**-.047297**	**.0005928**	**.0540920**
Stddev	.0002314	.0019673	.0022718	.072523	.0009915	.0041197
%RSD	3.692089	3.635346	27.13054	153.3351	167.2570	7.616117
#1	.0061389	.0518738	.0069724	-.116954	.0008360	.0535912
#2	.0065346	.0549231	.0109949	.027786	.0014400	.0584392
#3	.0061289	.0555518	.0071538	-.052722	-.000498	.0502456

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**-.005195**	**.0294292**	**2.841199**	**.0531393**	**.0189684**
Stddev	-----	.013647	.0005729	.040716	.0015027	.0010578
%RSD	-----	262.7152	1.946570	1.433062	2.827767	5.576826
#1	^ -----	-.020568	.0289407	2.795834	.0523167	.0198916
#2	^ -----	.005492	.0292872	2.853187	.0548737	.0178141
#3	^ -----	-.000508	.0300597	2.874575	.0522276	.0191993

Sample Name: Q2481-10DLX5 Acquired: 7/9/2025 14:51:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2481-10 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018288	F 2692.005	.3878311	-.010265	-.002272	.5043214
Stddev	.0004587	17.779	.0014248	.001639	.004739	.0112514
%RSD	25.08138	.6604304	.3673752	15.96348	208.5560	2.230992
#1	.0023390	2676.303	.3894653	-.010200	-.004292	.5172858
#2	.0014505	2711.309	.3868492	-.011935	-.005667	.4971057
#3	.0016969	2688.404	.3871788	-.008660	.003142	.4985729

Elem	Sr4077
Units	ppm
Avg	.0262904
Stddev	.0001083
%RSD	.4117999
#1	.0261741
#2	.0263087
#3	.0263883

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2556.651	23273.61	2315.101	1582.296	3090.661
Stddev	1.264	94.91	10.078	3.828	4.455
%RSD	.0494463	.4077812	.4353315	.2418964	.1441380
#1	2555.641	23381.88	2317.861	1583.051	3090.356
#2	2558.069	23204.79	2303.930	1578.147	3086.366
#3	2556.244	23234.16	2323.512	1585.689	3095.260

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-05DLX5 Acquired: 7/9/2025 14:56:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: PB168705TB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0276873**	**.0199779**	**.0037668**	**.0116604**	**.0596361**	**.2280805**
Stddev	.0012198	.0034275	.0028857	.0059935	.0002949	.0351459
%RSD	4.405712	17.15664	76.60911	51.40027	.4945027	15.40942
#1	.0277103	.0215543	.0055900	.0068291	.0592977	.1882077
#2	.0264561	.0223337	.0052705	.0183674	.0597726	.2414707
#3	.0288955	.0160458	.0004398	.0097847	.0598381	.2545630

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0238897**	**.0000646**	**-.000324**	**.8203171**	**2.770865**	**.0410893**
Stddev	.0013794	.0001384	.000061	.0445760	.012440	.0003831
%RSD	5.773820	214.1753	18.91510	5.434000	.4489412	.9323816
#1	.0224355	-.000027	-.000380	.8450667	2.784602	.0412136
#2	.0251795	.000224	-.000259	.8470270	2.767633	.0406595
#3	.0240540	-.000003	-.000333	.7688576	2.760361	.0413948

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0760557**	**3.163534**	**.2279853**	**.2304990**	**21.64835**	**.0146225**
Stddev	.0064292	.175881	.0014570	.0456648	.11846	.0007428
%RSD	8.453320	5.559621	.6390634	19.81128	.5472238	5.079842
#1	.0711511	2.989480	.2265573	.2570372	21.60670	.0140977
#2	.0833343	3.341186	.2294696	.1777702	21.55633	.0154724
#3	.0736816	3.159935	.2279292	.2566896	21.78201	.0142975

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**503.0024**	**-.056264**	**.6571222**	**^ *****	**.1240237**	**.1033401**
Stddev	42.0451	.017003	.0041840	-----	.0024018	.0046621
%RSD	8.358819	30.22037	.6367137	-----	1.936584	4.511434
#1	464.1646	-.045515	.6590562	^ -----	.1224658	.0982810
#2	547.6504	-.047410	.6599894	^ -----	.1228156	.1074632
#3	497.1924	-.075867	.6523211	^ -----	.1267897	.1042762

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2481-05DLX5 Acquired: 7/9/2025 14:56:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: PB168705TB Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.163519	F 4699.837	.0909936	-.004555	-.013705	.2013779
Stddev	.022666	303.852	.0122579	.001340	.006201	.0106956
%RSD	.3164100	6.465150	13.47119	29.43033	45.25037	5.311208
#1	7.183656	4988.053	.0786822	-.005546	-.020095	.1892330
#2	7.167929	4729.005	.1031974	-.003030	-.013309	.2055082
#3	7.138972	4382.454	.0911013	-.005089	-.007711	.2093924

Elem	Sr4077
Units	ppm
Avg	.0368334
Stddev	.0003634
%RSD	.9866563
#1	.0371790
#2	.0368667
#3	.0364545

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2965.834	28103.85	2168.574	1813.825	3820.552
Stddev	35.250	26.40	129.912	10.614	64.031
%RSD	1.188526	.0939456	5.990646	.5851854	1.675950
#1	2985.721	28133.57	2303.973	1826.008	3855.911
#2	2986.647	28083.12	2044.951	1808.894	3859.107
#3	2925.135	28094.85	2156.797	1806.573	3746.639

Sample Name: Q2509-01 Acquired: 7/9/2025 15:00:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2509-01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0880339**	**.0040915**	**.4726555**	**.0172838**	**.0151325**	**15.68564**
Stddev	.0020326	.0015472	.0015692	.0014435	.0028401	.00888
%RSD	2.308823	37.81572	.3319869	8.351815	18.76785	.0566213
#1	.0879433	.0046842	.4742151	.0161879	.0132055	15.69574
#2	.0860481	.0023356	.4710770	.0167442	.0183940	15.68211
#3	.0901102	.0052548	.4726745	.0189194	.0137981	15.67906

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1824330**	**.0017930**	**-.000178**	**50.45820**	**.0352081**	**.0381738**
Stddev	.0024817	.0000957	.000079	.12599	.0004729	.0001729
%RSD	1.360332	5.337224	44.55833	.2496941	1.343223	.4529421
#1	.1798618	.0017908	-.000195	50.44575	.0357541	.0380763
#2	.1826229	.0018898	-.000247	50.58995	.0349262	.0380716
#3	.1848143	.0016985	-.000091	50.33890	.0349441	.0383734

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0804733**	**85.93220**	**.8851910**	**8.324136**	**.0432028**	**.0014402**
Stddev	.0042332	1.33301	.0064141	.109799	.0005364	.0011324
%RSD	5.260387	1.551235	.7245951	1.319046	1.241685	78.63242
#1	.0799590	85.50079	.8781491	8.241693	.0436313	.0013853
#2	.0849401	87.42749	.8867249	8.448773	.0426012	.0025991
#3	.0765207	84.86832	.8906991	8.281942	.0433758	.0003362

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**199.3579**	**.0517581**	**.6041443**	**16.76255**	**1.310102**	**1.344668**
Stddev	4.5038	.0120299	.0027549	.43450	.002328	.025200
%RSD	2.259133	23.24262	.4559988	2.592072	.1776909	1.874090
#1	198.8276	.0653894	.6064561	16.38553	1.309444	1.341633
#2	204.1033	.0472580	.6010960	17.23773	1.308174	1.371248
#3	195.1427	.0426271	.6048807	16.66439	1.312689	1.321123

Sample Name: Q2509-01 Acquired: 7/9/2025 15:00:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2509-01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001329	F 34.66846	F 28.72037	-.002155	.3069826	.0422708
Stddev	.000763	.05785	.40967	.001831	.0034265	.0104561
%RSD	57.40957	.1668658	1.426423	84.95902	1.116174	24.73604
#1	-.001848	34.67133	28.66026	-.002031	.3092322	.0542951
#2	-.000453	34.60923	29.15677	-.004046	.3030391	.0372031
#3	-.001685	34.72482	28.34407	-.000390	.3086765	.0353141

Elem	Sr4077
Units	ppm
Avg	.4670452
Stddev	.0012864
%RSD	.2754432
#1	.4662947
#2	.4663102
#3	.4685306

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3329.646	32042.16	2434.953	2059.798	4338.548
Stddev	25.998	111.00	41.310	1.783	29.700
%RSD	.7807888	.3464329	1.696524	.0865535	.6845665
#1	3341.670	31953.09	2452.427	2060.266	4353.306
#2	3299.813	32166.52	2387.778	2057.828	4304.360
#3	3347.456	32006.88	2464.653	2061.301	4357.980

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01 Acquired: 7/9/2025 15:05:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.007265**	**-.003299**	**.0009950**	**-.000071**	**.0042481**	**22.20480**
Stddev	.002007	.002718	.0017514	.002938	.0012839	.02898
%RSD	27.63109	82.37643	176.0269	4163.139	30.22368	.1305015
#1	-.006506	-.006392	.0028721	.003225	.0054916	22.20246
#2	-.005747	-.001293	-.000595	-.001019	.0043253	22.17706
#3	-.009541	-.002213	.000708	-.002417	.0029273	22.23487

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0070370**	**.0000629**	**-.000040**	**12.79989**	**.2660619**	**.0069298**
Stddev	.0006565	.0001152	.000089	.04876	.0003608	.0004066
%RSD	9.329457	183.2880	223.5036	.3809098	.1356000	5.867702
#1	.0077223	.0001006	-.000035	12.75364	.2664434	.0066368
#2	.0069751	.0001545	.000047	12.85081	.2657261	.0073941
#3	.0064137	-.000066	-.000132	12.79520	.2660163	.0067586

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0169343**	**.3377271**	**.0167274**	**2.378797**	**.0731815**	**.0015914**
Stddev	.0002802	.0047118	.0007232	.054172	.0018977	.0006006
%RSD	1.654831	1.395160	4.323175	2.277274	2.593154	37.74250
#1	.0167976	.3418996	.0166196	2.426204	.0748363	.0018736
#2	.0167487	.3326169	.0174984	2.390436	.0735980	.0009016
#3	.0172567	.3386649	.0160642	2.319752	.0711101	.0019988

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1353.019**	**.0050783**	**.6401878**	**^ *****	**7.732860**	**5.884275**
Stddev	13.418	.0075946	.0053215	-----	.041565	.051895
%RSD	.9916838	149.5502	.8312386	-----	.5375054	.8819248
#1	1365.000	.0113074	.6340432	^ -----	7.756683	5.868767
#2	1355.536	-.003382	.6432222	^ -----	7.684865	5.841902
#3	1338.521	.007310	.6432978	^ -----	7.757030	5.942156

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01 Acquired: 7/9/2025 15:05:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206364	F 1232.507	1.016138	.0001000	-.003073	.0307395
Stddev	.0005761	9.441	.014208	.0011401	.004364	.0134312
%RSD	2.791896	.7659848	1.398194	1140.377	142.0301	43.69344
#1	.0204280	1241.288	1.010420	.0013152	.001889	.0178036
#2	.0212877	1222.522	1.005680	-.000069	-.006316	.0446164
#3	.0201934	1233.712	1.032313	-.000946	-.004791	.0297986

Elem	Sr4077
Units	ppm
Avg	.0554026
Stddev	.0001776
%RSD	.3205366
#1	.0555156
#2	.0554942
#3	.0551979

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3061.003	28415.08	2463.101	1860.122	3794.763
Stddev	6.534	235.61	8.365	9.617	13.513
%RSD	.2134619	.8291556	.3395984	.5170250	.3561077
#1	3064.847	28433.24	2466.739	1869.390	3795.802
#2	3064.703	28170.92	2469.030	1850.190	3807.727
#3	3053.458	28641.08	2453.533	1860.787	3780.760

Sample Name: Q2488-01 Acquired: 7/9/2025 15:10:08 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2488-01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005724**	**-.000204**	**.0108177**	**.0034703**	**.0002859**	**.0878003**	**.0068558**
Stddev	.0016235	.001280	.0013834	.0051379	.0009456	.0385828	.0003007
%RSD	283.6281	626.9393	12.78822	148.0545	330.6735	43.94384	4.386551
#1	-.001287	-.001633	.0119040	.0000523	-.000733	.1313030	.0071581
#2	.001294	.000836	.0112889	.0009797	.001136	.0743718	.0065566
#3	.001710	.000185	.0092603	.0093787	.000455	.0577261	.0068525

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002101**	**-.000078**	**4.319440**	**-.000053**	**.0083876**	**.0325582**	**2.070250**
Stddev	.0001552	.000059	.073075	.001192	.0005135	.0084654	.334224
%RSD	73.89249	75.16970	1.691781	2255.933	6.122331	26.00087	16.14413
#1	.0000543	-.000093	4.375661	-.000400	.0089787	.0279805	1.916398
#2	.0002111	-.000013	4.345821	.001275	.0080520	.0273672	1.840658
#3	.0003647	-.000128	4.236837	-.001033	.0081320	.0423268	2.453693

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0226186**	**1.533414**	**.0151192**	**.0001701**	**17.71594**	**-.004294**	**.0514590**
Stddev	.0016367	.029776	.0004432	.0009373	2.73098	.018912	.0003123
%RSD	7.235914	1.941787	2.931391	550.8402	15.41539	440.4567	.6068929
#1	.0211963	1.516176	.0155497	.0012014	16.56622	-.023590	.0518066
#2	.0222519	1.567796	.0151435	-.000061	15.74780	-.003501	.0512020
#3	.0244075	1.516270	.0146643	-.000630	20.83381	.014210	.0513686

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.493012**	**.0241062**	**.0303718**	**-.000425**	**4.917829**	**7.714508**	**-.012830**
Stddev	.237056	.0018168	.0068953	.000287	.009510	1.230616	.000624
%RSD	15.87768	7.536720	22.70288	67.45777	.1933873	15.95197	4.864095
#1	1.398718	.0220605	.0282049	-.000282	4.921062	7.141888	-.012248
#2	1.317614	.0247264	.0248203	-.000238	4.925303	6.874543	-.013489
#3	1.762706	.0255318	.0380903	-.000755	4.907124	9.127092	-.012753

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2488-01 Acquired: 7/9/2025 15:10:08 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2488-01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0002575	.0070925	.0237808
Stddev	.0094751	.0195689	.0001530
%RSD	3679.611	275.9106	.6434694
#1	.0045315	.0052786	.0236217
#2	.0068427	.0275052	.0237937
#3	-.010602	-.011506	.0239269

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3453.954	34398.60	2198.975	2142.963	5118.899
Stddev	22.965	127.41	317.750	11.535	32.533
%RSD	.6648790	.3703917	14.44991	.5382953	.6355483
#1	3462.643	34400.38	2339.139	2147.532	5125.222
#2	3471.306	34270.31	2422.542	2129.842	5147.807
#3	3427.912	34525.11	1835.242	2151.513	5083.669

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168705TB Acquired: 7/9/2025 15:14:31 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2488-02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002612**	**-.003844**	**-.001505**	**.0073131**	**.0004438**	**.0276762**	**.0036984**
Stddev	.004608	.001350	.002622	.0013606	.0013081	.0315804	.0014094
%RSD	176.4023	35.13121	174.2414	18.60498	294.7286	114.1068	38.10815
#1	.002708	-.004614	.000983	.0057737	-.000872	.0347725	.0035696
#2	-.005312	-.004634	-.001254	.0078110	.001744	-.006849	.0023579
#3	-.005232	-.002285	-.004243	.0083546	.000460	.055105	.0051678

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000181**	**-.000019**	**-.038774**	**.0007212**	**.0002121**	**.0021745**	**.0080895**
Stddev	.0000578	.000164	.022484	.0006975	.0003673	.0013969	.0026382
%RSD	319.2761	859.8808	57.98813	96.71154	173.1866	64.24039	32.61192
#1	.0000740	.000090	-.017651	.0011139	.0006347	.0031302	.0082374
#2	.0000218	-.000208	-.036261	.0011339	-.000030	.0005713	.0053806
#3	-.000041	.000061	-.062409	-.000084	.000032	.0028219	.0106507

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033064**	**-.025602**	**.0003878**	**.0001565**	**413.1314**	**-.006560**	**.0141807**
Stddev	.0021315	.049240	.0012335	.0010149	3.7530	.007058	.0005369
%RSD	64.46495	192.3262	318.1121	648.4031	.9084199	107.5883	3.786354
#1	.0051633	-.008174	-.000008	.0008660	412.4245	-.001861	.0136372
#2	.0009790	-.081186	-.000599	.0006096	417.1875	-.014676	.0147108
#3	.0037768	.012553	.001771	-.001006	409.7821	-.003143	.0141941

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1806220**	**.0155376**	**.0032849**	**.0009008**	**.6288998**	**.0092637**	**-.012895**
Stddev	.0014986	.0024371	.0026003	.0004009	.0055124	.0014267	.000700
%RSD	.8296878	15.68482	79.16001	44.50560	.8765076	15.40063	5.430070
#1	.1792257	.0127931	.0019257	.0005095	.6351699	.0079408	-.012752
#2	.1822054	.0163716	.0062832	.0013106	.6267141	.0107753	-.012276
#3	.1804348	.0174482	.0016458	.0008822	.6248155	.0090750	-.013655

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168705TB Acquired: 7/9/2025 15:14:31 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2488-02 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0000198	.0231152	.0002795
Stddev	.0020090	.0041922	.0002984
%RSD	10125.45	18.13596	106.7570
#1	.0018753	.0272246	.0006142
#2	.0002978	.0188449	.0001832
#3	-.002114	.0232761	.0000412

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3174.846	30548.48	2417.054	1962.636	4226.171
Stddev	14.088	123.26	8.641	18.762	15.478
%RSD	.4437478	.4034849	.3574908	.9559729	.3662417
#1	3191.103	30571.07	2427.012	1958.533	4243.007
#2	3167.234	30415.48	2412.621	1946.265	4222.948
#3	3166.200	30658.87	2411.530	1983.110	4212.558

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV05 Acquired: 7/9/2025 15:27:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.066734**	**5.274388**	**5.133286**	**5.255948**	**5.170873**	**10.23752**
Stddev	.006731	.003791	.020046	.019512	.003568	.06992
%RSD	.1328537	.0718684	.3905151	.3712343	.0690024	.6829683
#1	5.069629	5.270644	5.156420	5.252493	5.169808	10.16172
#2	5.059039	5.274298	5.122410	5.238395	5.167958	10.29950
#3	5.071533	5.278223	5.121028	5.276957	5.174852	10.25134

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.82570**	**.2718559**	**2.564010**	**26.09402**	**1.029424**	**2.498975**
Stddev	.04840	.0032302	.003982	.11006	.004865	.000637
%RSD	.4470820	1.188193	.1552851	.4217918	.4726274	.0254733
#1	10.79807	.2698825	2.567446	25.98481	1.023946	2.498316
#2	10.88159	.2755836	2.559646	26.20491	1.031082	2.499587
#3	10.79745	.2701016	2.564937	26.09235	1.033243	2.499023

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.337004**	**5.356390**	**2.604754**	**25.11998**	**2.510502**	**1.278543**
Stddev	.013154	.052973	.012461	.18989	.002036	.002528
%RSD	.9838353	.9889636	.4783759	.7559389	.0811140	.1977178
#1	1.329383	5.321095	2.592442	24.91685	2.511978	1.276555
#2	1.352193	5.417302	2.617358	25.15005	2.508179	1.277685
#3	1.329437	5.330772	2.604461	25.29305	2.511350	1.281388

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.10828**	**2.597762**	**2.624957**	**26.80877**	**5.460780**	**5.447100**
Stddev	.27432	.019900	.005503	.08038	.006740	.047645
%RSD	1.011931	.7660566	.2096339	.2998211	.1234210	.8746849
#1	26.84415	2.576493	2.626458	26.87918	5.465733	5.416759
#2	27.39176	2.615929	2.618860	26.82593	5.453105	5.502015
#3	27.08892	2.600866	2.629554	26.72120	5.463502	5.422526

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV05 Acquired: 7/9/2025 15:27:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.281681	F 5.620592	5.406479	5.216543	5.312447	5.195407
Stddev	.008145	.029651	.064323	.013266	.022053	.018609
%RSD	.1542120	.5275346	1.189742	.2543078	.4151239	.3581893
#1	5.276393	5.653818	5.354875	5.230904	5.290717	5.174037
#2	5.277589	5.596825	5.478544	5.204746	5.334810	5.208046
#3	5.291060	5.611134	5.386019	5.213979	5.311814	5.204137

Elem	Sr4077
Units	ppm
Avg	5.296927
Stddev	.022539
%RSD	.4255061
#1	5.276205
#2	5.320924
#3	5.293652

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3270.082	32079.84	2467.848	2012.819	4385.961
Stddev	3.274	94.01	19.029	5.406	4.805
%RSD	.1001205	.2930402	.7710614	.2685931	.1095440
#1	3271.863	32108.36	2479.120	2007.247	4388.303
#2	3272.079	32156.29	2445.878	2018.043	4380.434
#3	3266.304	31974.88	2478.546	2013.168	4389.145

Sample Name: CCB05 Acquired: 7/9/2025 15:33:12 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000028**	**-.000258**	**-.001607**	**.0055006**	**.0008326**	**.0266149**
Stddev	.003350	.000380	.003109	.0052645	.0020845	.0335899
%RSD	11795.11	147.1601	193.4438	95.70873	250.3709	126.2069
#1	.000895	-.000656	-.003894	-.000454	.0032288	-.011464
#2	.002762	.000102	-.002860	.007420	-.000562	.052039
#3	-.003743	-.000221	.001933	.009536	-.000169	.039270

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036794**	**.0002356**	**.0000040**	**-.005215**	**.0004562**	**-.000055**
Stddev	.0012356	.0001588	.0000248	.007609	.0004301	.000149
%RSD	33.58059	67.40704	619.3825	145.9121	94.26311	270.0273
#1	.0051021	.0001854	.0000291	-.000200	.0000991	.000034
#2	.0030599	.0004135	.0000034	-.013971	.0009337	-.000227
#3	.0028761	.0001080	-.000020	-.001475	.0003359	.000027

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016220**	**.0021166**	**.0012028**	**.0632607**	**-.000410**	**.0069244**
Stddev	.0006514	.0015151	.0005887	.0698168	.000738	.0009441
%RSD	40.15995	71.58192	48.94544	110.3635	179.9048	13.63468
#1	.0008961	.0038288	.0010440	.1338772	.000399	.0059632
#2	.0018144	.0009492	.0018546	.0616329	-.000582	.0069594
#3	.0021556	.0015719	.0007098	-.005728	-.001047	.0078505

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1739197**	**-.002982**	**.0001003**	**.0411499**	**.0053747**	F **.0147806**
Stddev	.0203432	.010050	.0001710	.0006868	.0016423	.0033480
%RSD	11.69686	337.0341	170.4873	1.669077	30.55595	22.65108
#1	.1595419	-.014303	.0002070	.0415298	.0055871	.0182078
#2	.1650212	.000472	-.000097	.0403570	.0036366	.0115179
#3	.1971959	.004885	.000191	.0415628	.0069005	.0146161

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB05 Acquired: 7/9/2025 15:33:12 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005202	F .3319723	-.000975	-.008216	-.002751	F .0369407
Stddev	.0001216	.0112059	.001636	.001416	.004624	.0063070
%RSD	23.38263	3.375562	167.7739	17.23291	168.0748	17.07319
#1	.0006394	.3430468	-.000138	-.006664	.001903	.0415350
#2	.0003963	.3322305	-.002860	-.009436	-.007345	.0297500
#3	.0005250	.3206394	.000073	-.008549	-.002811	.0395372

Elem	Sr4077
Units	ppm
Avg	.0000984
Stddev	.0000695
%RSD	70.67169
#1	.0000266
#2	.0001654
#3	.0001032

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3378.806	33406.69	2493.583	2095.177	4995.041
Stddev	13.010	136.58	11.852	2.003	19.155
%RSD	.3850568	.4088387	.4753123	.0956035	.3834721
#1	3365.193	33534.43	2505.258	2093.606	4974.150
#2	3380.110	33422.90	2493.930	2097.433	5011.777
#3	3391.116	33262.72	2481.561	2094.492	4999.196

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2503-01 Acquired: 7/9/2025 15:37:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2503-01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4281283	k -.025849	k 27.79228	.1202379	k .0409250	^ *****
Stddev	.0068043	.006758	.43655	.0170316	.0030386	-----
%RSD	1.589323	26.14420	1.570775	14.16490	7.424764	-----
#1	.4258354	-.022039	27.37827	.1090544	.0375071	179.0708
#2	.4227667	-.021856	27.75024	.1118200	.0433206	179.8238
#3	.4357830	k -.033651	k 28.24833	.1398394	k .0419474	^ -----

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	.0222261	.0287332	^ *****	s .4785725	.2838912
Stddev	-----	.0025965	.0009880	-----	.0887645	.0024339
%RSD	-----	11.68213	3.438647	-----	18.54778	.8573240
#1	7.448413	.0207509	.0295225	364.9337	.4235595	.2818111
#2	7.494436	.0207032	.0290520	366.6995	.4311836	.2832947
#3	^ -----	.0252241	.0276252	^ -----	s .5809744	.2865679

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	352.4683	5.649482	28.91410	1.184352	s .0325810
Stddev	-----	36.6282	.017816	.29438	.010247	.0012971
%RSD	-----	10.39190	.3153641	1.018114	.8652316	3.981063
#1	5.444373	323.7730	5.646255	29.17576	1.173843	.0312209
#2	5.417663	339.9078	5.668691	28.97117	1.184896	.0327179
#3	^ -----	393.7243	5.633499	28.59536	1.194316	s .0338042

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.87902	k .8137090	F 18.71691	40.71824	kF 47.11187	k .3603597
Stddev	4.56758	.0082942	.19965	3.07646	.85577	.0357633
%RSD	11.45360	1.019315	1.066669	7.555487	1.816454	9.924348
#1	35.74242	.8067684	18.51530	37.74717	46.35985	.3323428
#2	39.11374	.8114639	18.91453	40.51733	46.93273	.3480944
#3	44.78091	k .8228947	18.72090	43.89024	k 48.04302	k .4006418

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2503-01 Acquired: 7/9/2025 15:37:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2503-01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0689871	F 27.98382	F 114.5127	.3390041	2.639575	.4056034
Stddev	.0005952	.55783	14.0661	.0085812	.022530	.0291970
%RSD	.8626921	1.993399	12.28346	2.531293	.8535498	7.198424
#1	.0687806	27.50414	106.1735	.3308570	2.650027	.4213705
#2	.0696580	27.85137	106.6116	.3381935	2.654981	.4235272
#3	.0685227	28.59596	130.7528	.3479618	2.613718	.3719126

Elem	Sr4077
Units	ppm
Avg	^ *****
Stddev	-----
%RSD	-----
#1	3.195050
#2	3.212419
#3	^ -----

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4399.730	^ *****	3142.002	2723.683	4081.473
Stddev	24.282	-----	343.016	32.930	36.810
%RSD	.5519010	-----	10.91712	1.209013	.9018852
#1	4404.675	41807.53	3392.465	2761.679	4105.867
#2	4421.160	40218.07	3282.497	2705.942	4099.420
#3	4373.357	^ -----	2751.042	2703.427	4039.131

Sample Name: Q2512-01DUP Acquired: 7/9/2025 15:43:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01DUP Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.007596**	**-.002384**	**-.000358**	**.0002253**	**.0061682**	**22.35854**
Stddev	.000578	.001426	.001741	.0053451	.0023531	.13307
%RSD	7.606349	59.83075	486.8823	2372.726	38.14956	.5951473
#1	-.007564	-.003435	.001242	.0020978	.0067252	22.50995
#2	-.008188	-.000760	-.000104	.0043822	.0081928	22.26020
#3	-.007034	-.002956	-.002211	-.005804	.0035865	22.30546

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0060119**	**.0001202**	**-.000030**	**12.94616**	**.2702151**	**.0072166**
Stddev	.0010246	.0001533	.000107	.07289	.0011415	.0005303
%RSD	17.04272	127.5558	354.0331	.5630165	.4224309	7.347785
#1	.0050808	.0000732	.000064	13.00989	.2715187	.0078277
#2	.0071096	.0002914	-.000146	12.86669	.2693950	.0068787
#3	.0058452	-.000004	-.000009	12.96191	.2697315	.0069432

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0180563**	**.3524212**	**.0176031**	**2.401901**	**.0747653**	**.0002799**
Stddev	.0007500	.0009015	.0017637	.039197	.0008409	.0006533
%RSD	4.153672	.2557997	10.01941	1.631906	1.124687	233.4225
#1	.0171950	.3516453	.0157310	2.438154	.0748994	.0010340
#2	.0184091	.3522082	.0192335	2.407242	.0738654	-.000114
#3	.0185649	.3534101	.0178448	2.360308	.0755310	-.000080

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1428.424**	**-.003259**	**.6438771**	**^ *****	**7.859981**	**6.181650**
Stddev	18.183	.015312	.0054405	-----	.045874	.057183
%RSD	1.272947	469.7790	.8449581	-----	.5836364	.9250400
#1	1443.498	-.002082	.6488682	^ -----	7.848488	6.194916
#2	1408.230	.011430	.6380777	^ -----	7.820946	6.119000
#3	1433.542	-.019126	.6446855	^ -----	7.910508	6.231033

Sample Name: Q2512-01DUP Acquired: 7/9/2025 15:43:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01DUP Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0209829	F 1251.781	1.080196	-.001832	-.000302	.0168272
Stddev	.0002938	5.382	.012999	.001262	.004472	.0101237
%RSD	1.400394	.4299484	1.203356	68.86087	1483.084	60.16257
#1	.0206656	1250.562	1.084115	-.003276	-.002261	.0052903
#2	.0210373	1247.114	1.065689	-.000944	-.003459	.0242276
#3	.0212457	1257.669	1.090785	-.001277	.004816	.0209637

Elem	Sr4077
Units	ppm
Avg	.0564484
Stddev	.0000759
%RSD	.1344119
#1	.0565346
#2	.0564186
#3	.0563918

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3048.205	28378.02	2384.321	1888.397	3773.523
Stddev	7.921	234.09	9.672	18.315	15.291
%RSD	.2598478	.8248837	.4056394	.9698506	.4052167
#1	3052.775	28225.45	2375.046	1879.788	3784.526
#2	3052.782	28261.08	2383.573	1875.972	3779.980
#3	3039.059	28647.54	2394.345	1909.429	3756.062

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01LX5 Acquired: 7/9/2025 15:47:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01LX5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001544**	**-.002158**	**-.002256**	**.0058429**	**.0031189**	**4.574201**
Stddev	.005157	.001112	.001336	.0063520	.0022609	.003045
%RSD	333.8899	51.55645	59.22247	108.7144	72.48944	.0665704
#1	-.005152	-.003216	-.000720	.0016085	.0014103	4.570692
#2	.004362	-.000998	-.003145	.0027734	.0056826	4.576145
#3	-.003843	-.002259	-.002903	.0131466	.0022639	4.575767

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036849**	**.0003247**	**.0000050**	**2.561271**	**.0545831**	**.0016124**
Stddev	.0025353	.0003150	.0000963	.008706	.0004182	.0002577
%RSD	68.80184	97.02081	1945.425	.3398951	.7661704	15.98257
#1	.0066104	.0005023	.0001156	2.558414	.0550264	.0013668
#2	.0021303	-.000039	-.000060	2.571046	.0541956	.0018807
#3	.0023139	.000511	-.000040	2.554353	.0545272	.0015898

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059585**	**.0785120**	**.0039535**	**.4791997**	**.0145162**	**.0017271**
Stddev	.0014206	.0030891	.0016286	.1024881	.0006657	.0008382
%RSD	23.84068	3.934507	41.19221	21.38734	4.585633	48.53242
#1	.0050696	.0817788	.0034512	.3626828	.0142562	.0008275
#2	.0052091	.0781187	.0026353	.5553930	.0152726	.0018677
#3	.0075969	.0756384	.0057741	.5195233	.0140198	.0024861

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**447.4621**	**-.008506**	**.1279945**	**50.48873**	**1.463645**	**1.387195**
Stddev	10.4504	.000044	.0009122	.62574	.002295	.027814
%RSD	2.335489	.5163325	.7127273	1.239364	.1567926	2.005084
#1	447.0670	-.008535	.1285732	50.29922	1.466150	1.393865
#2	458.1045	-.008528	.1284674	51.18732	1.463140	1.411068
#3	437.2149	-.008456	.1269429	49.97965	1.461644	1.356652

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01LX5 Acquired: 7/9/2025 15:47:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01LX5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047427	F 252.4787	.2265662	.0024439	-.004029	.1091640
Stddev	.0010504	.6840	.0037974	.0012717	.001623	.0072949
%RSD	22.14649	.2709324	1.676079	52.03559	40.29144	6.682529
#1	.0035832	251.8101	.2294472	.0036738	-.005903	.1053586
#2	.0056304	253.1772	.2279885	.0011341	-.003147	.1175747
#3	.0050147	252.4490	.2222630	.0025240	-.003038	.1045585

Elem	Sr4077
Units	ppm
Avg	.0116467
Stddev	.0003897
%RSD	3.345991
#1	.0112423
#2	.0120198
#3	.0116781

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3218.449	30405.15	2418.683	1963.792	4206.716
Stddev	9.841	116.50	41.806	8.710	15.832
%RSD	.3057807	.3831430	1.728456	.4435181	.3763408
#1	3220.578	30290.85	2411.218	1954.570	4205.565
#2	3207.718	30523.72	2381.112	1964.926	4191.491
#3	3227.052	30400.87	2463.718	1971.879	4223.092

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01MS Acquired: 7/9/2025 15:52:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01MS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9281858**	**2.028655**	**1.055660**	**2.209720**	**.8584854**	**25.40700**
Stddev	.0069776	.005951	.005552	.011343	.0051796	.04415
%RSD	.7517451	.2933310	.5259158	.5133367	.6033368	.1737567
#1	.9237158	2.024851	1.055714	2.197264	.8570306	25.38864
#2	.9246156	2.025601	1.050081	2.212439	.8541887	25.45736
#3	.9362261	2.035512	1.061185	2.219456	.8642367	25.37499

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2266010**	**.2192215**	**.2309782**	**14.65597**	**.6997641**	**.2215095**
Stddev	.0016205	.0077230	.0006251	.03630	.0028910	.0007465
%RSD	.7151375	3.522899	.2706448	.2477021	.4131370	.3370036
#1	.2250162	.2276316	.2305084	14.66465	.6982621	.2206558
#2	.2282550	.2124482	.2307386	14.61612	.6979332	.2218335
#3	.2265318	.2175846	.2316877	14.68716	.7030969	.2220393

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3171467**	**3.706829**	**.3796444**	**4.497857**	**.6229856**	**.0747123**
Stddev	.0124409	.135321	.0050549	.063155	.0004784	.0024766
%RSD	3.922768	3.650588	1.331477	1.404104	.0767840	3.314912
#1	.3306796	3.855407	.3757220	4.436019	.6227803	.0754524
#2	.3062063	3.590643	.3853490	4.495302	.6235323	.0767345
#3	.3145541	3.674439	.3778621	4.562251	.6226442	.0719500

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1486.192**	**.3225816**	**.8999117**	**^ *****	**15.92655**	**6.739001**
Stddev	79.548	.0092478	.0027788	-----	.08563	.240430
%RSD	5.352493	2.866819	.3087917	-----	.5376854	3.567745
#1	1572.260	.3176303	.8968724	^ -----	15.88326	6.996008
#2	1415.370	.3332509	.9023224	^ -----	15.87120	6.519573
#3	1470.946	.3168636	.9005403	^ -----	16.02518	6.701421

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01MS Acquired: 7/9/2025 15:52:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01MS Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4503428	F 1304.145	2.036136	.8093726	.2112717	.2259365
Stddev	.0011917	9.463	.075674	.0008624	.0033316	.0122786
%RSD	.2646228	.7256407	3.716543	.1065499	1.576918	5.434525
#1	.4497305	1298.368	2.117100	.8091976	.2148502	.2198696
#2	.4495818	1299.002	1.967192	.8086111	.2082597	.2400676
#3	.4517162	1315.067	2.024115	.8103090	.2107052	.2178723

Elem	Sr4077
Units	ppm
Avg	.2766551
Stddev	.0004741
%RSD	.1713674
#1	.2763444
#2	.2772008
#3	.2764201

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2937.660	27478.98	2283.453	1804.940	3638.428
Stddev	29.700	114.97	92.985	8.329	32.300
%RSD	1.010995	.4183820	4.072136	.4614284	.8877549
#1	2949.963	27346.76	2181.715	1795.330	3653.474
#2	2959.231	27555.34	2364.042	1809.447	3660.461
#3	2903.786	27534.84	2304.602	1810.045	3601.350

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01MSD Acquired: 7/9/2025 15:56:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01MSD Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9000701**	**1.980550**	**1.024960**	**2.141561**	**.8362972**	**24.80672**
Stddev	.0070173	.008054	.004001	.007351	.0047557	.24762
%RSD	.7796340	.4066703	.3903810	.3432650	.5686623	.9981861
#1	.9001218	1.975135	1.024421	2.135062	.8417472	24.52080
#2	.8930271	1.976710	1.021255	2.149540	.8329893	24.95096
#3	.9070613	1.989806	1.029203	2.140082	.8341551	24.94840

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2221072**	**.2099142**	**.2239399**	**14.25051**	**.6910323**	**.2162929**
Stddev	.0026984	.0004862	.0004623	.10748	.0037141	.0003990
%RSD	1.214907	.2316039	.2064299	.7542341	.5374641	.1844855
#1	.2189925	.2096848	.2237093	14.13916	.6911107	.2158483
#2	.2237381	.2104726	.2236382	14.35365	.6872796	.2164101
#3	.2235910	.2095852	.2244721	14.25871	.6947064	.2166201

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3020144**	**3.624040**	**.4722110**	**4.356240**	**.6086165**	**.0728126**
Stddev	.0015246	.008917	.0056445	.103715	.0010968	.0014417
%RSD	.5048003	.2460611	1.195341	2.380839	.1802054	1.979945
#1	.3022629	3.632514	.4657115	4.236572	.6083892	.0712036
#2	.3003809	3.624871	.4750393	4.412007	.6076512	.0732477
#3	.3033995	3.614737	.4758823	4.420141	.6098091	.0739866

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1421.874**	**.3278709**	**.8818596**	**^ *****	**15.44539**	**6.464366**
Stddev	6.679	.0108001	.0051079	-----	.04649	.008856
%RSD	.4696977	3.294021	.5792188	-----	.3009765	.1369952
#1	1425.669	.3396058	.8827429	^ -----	15.41480	6.474581
#2	1425.791	.3256591	.8763676	^ -----	15.42249	6.458845
#3	1414.163	.3183480	.8864682	^ -----	15.49889	6.459673

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2512-01MSD Acquired: 7/9/2025 15:56:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01MSD Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4436647	F 1263.443	1.948164	.7823677	.2069783	.2259067
Stddev	.0009718	3.294	.000661	.0005964	.0050231	.0021470
%RSD	.2190485	.2606838	.0339513	.0762257	2.426893	.9504047
#1	.4436661	1262.794	1.947613	.7816971	.2012130	.2263303
#2	.4426921	1260.522	1.947983	.7825673	.2104111	.2235795
#3	.4446358	1267.012	1.948898	.7828386	.2093108	.2278104

Elem	Sr4077
Units	ppm
Avg	.2698797
Stddev	.0021209
%RSD	.7858725
#1	.2674343
#2	.2712183
#3	.2709864

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3022.715	28179.63	2408.770	1864.859	3754.712
Stddev	9.780	47.95	9.375	4.496	10.720
%RSD	.3235490	.1701525	.3892113	.2410767	.2854983
#1	3011.663	28232.56	2408.937	1869.381	3742.617
#2	3026.227	28167.22	2399.312	1860.390	3763.037
#3	3030.253	28139.10	2418.061	1864.806	3758.483

Sample Name: Q2512-01A Acquired: 7/9/2025 16:01:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8923133**	**1.961262**	**1.017674**	**2.129173**	**.8228201**	**23.90232**
Stddev	.0010796	.006536	.007351	.009181	.0053556	.10527
%RSD	.1209906	.3332459	.7223057	.4312059	.6508820	.4404199
#1	.8934214	1.954570	1.022356	2.125868	.8186549	23.98353
#2	.8922540	1.967630	1.021463	2.139549	.8288613	23.78339
#3	.8912646	1.961587	1.009201	2.122101	.8209441	23.94005

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2175650**	**.2113654**	**.2222367**	**13.68238**	**.6739003**	**.2142093**
Stddev	.0030631	.0035106	.0009377	.04186	.0014752	.0010158
%RSD	1.407907	1.660900	.4219291	.3059380	.2188994	.4742129
#1	.2167559	.2133811	.2229025	13.65938	.6747250	.2151449
#2	.2149876	.2134033	.2226432	13.65706	.6747788	.2143541
#3	.2209514	.2073118	.2211644	13.73070	.6721972	.2131288

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3051493**	**3.455763**	**.2218556**	**4.202146**	**.5998535**	**.0623360**
Stddev	.0053297	.061626	.0013826	.091011	.0019409	.0015482
%RSD	1.746570	1.783282	.6231806	2.165824	.3235568	2.483644
#1	.3097550	3.501776	.2204034	4.154435	.6013699	.0633993
#2	.3063815	3.479765	.2231561	4.144911	.6005244	.0605598
#3	.2993115	3.385747	.2220072	4.307093	.5976662	.0630490

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1417.838**	**.3187566**	**.8581809**	^ *****	**15.12323**	**6.369830**
Stddev	25.614	.0018467	.0063078	-----	.11382	.099995
%RSD	1.806568	.5793494	.7350200	-----	.7526427	1.569826
#1	1446.549	.3169564	.8627524	^ -----	15.17888	6.450527
#2	1409.634	.3186668	.8509845	^ -----	15.19853	6.401000
#3	1397.330	.3206466	.8608058	^ -----	14.99229	6.257962

Sample Name: Q2512-01A Acquired: 7/9/2025 16:01:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Q2512-01A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4354384	F 1226.739	1.998154	.7789598	.2071784	.2194582
Stddev	.0013164	6.795	.032768	.0032134	.0042518	.0090719
%RSD	.3023060	.5538992	1.639938	.4125212	2.052231	4.133766
#1	.4344428	1231.079	2.023413	.7811385	.2027605	.2107431
#2	.4349415	1230.229	2.009922	.7804716	.2112419	.2187823
#3	.4369309	1218.908	1.961127	.7752693	.2075327	.2288491

Elem	Sr4077
Units	ppm
Avg	.2646562
Stddev	.0020504
%RSD	.7747280
#1	.2638277
#2	.2631497
#3	.2669912

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3054.339	28512.29	2388.347	1879.812	3789.488
Stddev	1.270	132.08	44.371	8.752	8.136
%RSD	.0415814	.4632432	1.857821	.4655730	.2146992
#1	3055.459	28365.20	2352.694	1875.100	3780.445
#2	3054.598	28550.90	2374.307	1889.910	3796.214
#3	3052.959	28620.75	2438.039	1874.425	3791.806

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168712BL Acquired: 7/9/2025 16:05:29 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: PB168712BL Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003519**	**-.001493**	**-.001038**	**.0038926**	**.0004802**	**-.004916**
Stddev	.002136	.001024	.001027	.0020140	.0028950	.032126
%RSD	60.70481	68.60758	98.97804	51.74029	602.8437	653.4440
#1	-.002007	-.000943	.000109	.0061996	-.000608	-.030518
#2	-.002587	-.002674	-.001347	.0024844	.003762	-.015363
#3	-.005962	-.000861	-.001874	.0029939	-.001713	.031133

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017469**	**.0002173**	**-.000023**	**-.002291**	**.0011958**	**.0002303**
Stddev	.0010156	.0001952	.000067	.020208	.0009722	.0006515
%RSD	58.13715	89.80980	284.0001	882.2025	81.30393	282.9189
#1	.0019758	.0003577	-.000086	-.022766	.0023031	.0003533
#2	.0006364	.0002998	.000047	-.001745	.0004820	.0008115
#3	.0026284	-.000006	-.000032	.017639	.0008023	-.000474

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014119**	**.0030155**	**.0002844**	**-.018730**	**-.000123**	**.0028303**
Stddev	.0004944	.0020541	.0010328	.014818	.000560	.0013958
%RSD	35.01487	68.11740	363.2273	79.11364	453.4765	49.31789
#1	.0019620	.0047940	.0009919	-.006463	-.000758	.0043842
#2	.0012687	.0034852	.0007620	-.014534	.000089	.0016827
#3	.0010049	.0007672	-.000901	-.035194	.000299	.0024239

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9750781**	**-.000179**	**.0011977**	**.1121432**	**.0027535**	F **.0385010**
Stddev	.1755140	.004074	.0004870	.0267386	.0019175	.0012707
%RSD	17.99999	2275.754	40.66218	23.84329	69.63957	3.300464
#1	1.169252	-.003253	.0017594	.1428323	.0049674	.0373008
#2	.928266	-.001726	.0008947	.0997288	.0016729	.0383700
#3	.827716	.004442	.0009388	.0938684	.0016202	.0398321

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168712BL Acquired: 7/9/2025 16:05:29 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: PB168712BL Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004435	F .9792715	.0007074	-.009752	-.005975	F .1097030
Stddev	.0000851	.1716619	.0012061	.000960	.004506	.0103746
%RSD	19.19784	17.52955	170.4849	9.846181	75.40920	9.456943
#1	.0004791	1.156761	.0000344	-.009615	-.005316	.1178180
#2	.0005051	.966953	-.000012	-.010773	-.001835	.1132770
#3	.0003463	.814100	.002100	-.008868	-.010775	.0980139

Elem	Sr4077
Units	ppm
Avg	.0000931
Stddev	.0002204
%RSD	236.7043
#1	-.000146
#2	.000139
#3	.000287

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3323.161	32721.64	2539.527	2070.430	4879.683
Stddev	12.556	391.85	20.151	11.750	14.424
%RSD	.3778342	1.197540	.7934910	.5674963	.2955911
#1	3321.063	32311.69	2557.924	2082.636	4870.448
#2	3336.634	33092.46	2542.667	2069.456	4896.304
#3	3311.787	32760.79	2517.991	2059.197	4872.298

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168712BS Acquired: 7/9/2025 16:09:56 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: PB168712BS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6622553**	**1.923832**	**.8858717**	**1.901285**	**.7813241**	**1.968693**
Stddev	.0042750	.018079	.0060678	.016586	.0053335	.019699
%RSD	.6455218	.9397419	.6849485	.8723561	.6826172	1.000605
#1	.6630745	1.911285	.8821006	1.892255	.7790051	1.945983
#2	.6576299	1.915655	.8826433	1.891173	.7775428	1.981156
#3	.6660613	1.944555	.8928711	1.920427	.7874245	1.978941

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2026600**	**.2044608**	**.1774600**	**.9600034**	**.3794104**	**.1790898**
Stddev	.0011754	.0015212	.0013396	.0088328	.0007283	.0009381
%RSD	.5799740	.7440151	.7548784	.9200768	.1919465	.5238175
#1	.2028054	.2031456	.1766628	.9586780	.3795356	.1787696
#2	.2014187	.2041099	.1767106	.9519082	.3800680	.1783537
#3	.2037560	.2061268	.1790066	.9694240	.3786277	.1801461

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3144406**	**3.191779**	**.2016385**	**1.941345**	**.4513204**	**.0698085**
Stddev	.0021073	.015690	.0015803	.017011	.0024289	.0024198
%RSD	.6701635	.4915704	.7837478	.8762517	.5381712	3.466281
#1	.3120605	3.174604	.2011406	1.947297	.4502248	.0690074
#2	.3151928	3.195375	.2003670	1.922158	.4496323	.0678910
#3	.3160686	3.205359	.2034078	1.954580	.4541041	.0725273

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.087305**	**.2863739**	**.1993435**	**8.341945**	**5.530854**	**.3113379**
Stddev	.020383	.0057115	.0017716	.034913	.038430	.0048408
%RSD	.6602248	1.994435	.8887001	.4185226	.6948300	1.554831
#1	3.110472	.2896098	.1973281	8.381525	5.512771	.3071366
#2	3.072124	.2897327	.2006548	8.328787	5.504800	.3102455
#3	3.079320	.2797791	.2000475	8.315523	5.574990	.3166315

Sample Name: PB168712BS Acquired: 7/9/2025 16:09:56 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: PB168712BS Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3958762	F .3833616	.9279220	.6406209	.1903369	F .2568936
Stddev	.0025870	.0199018	.0068488	.0035549	.0023957	.0068371
%RSD	.6534744	5.191384	.7380809	.5549146	1.258644	2.661458
#1	.3950530	.4039429	.9213367	.6396273	.1889628	.2534361
#2	.3938010	.3819248	.9274223	.6376685	.1931031	.2524757
#3	.3987746	.3642172	.9350070	.6445668	.1889446	.2647689

Elem	Sr4077
Units	ppm
Avg	.2023199
Stddev	.0006017
%RSD	.2973939
#1	.2019786
#2	.2019665
#3	.2030147

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3376.820	33219.10	2529.231	2068.308	4894.707
Stddev	12.028	167.21	9.254	12.068	20.000
%RSD	.3561808	.5033640	.3658665	.5834571	.4086134
#1	3373.236	33150.53	2538.658	2071.674	4893.957
#2	3390.232	33097.07	2520.161	2054.914	4915.071
#3	3366.991	33409.70	2528.876	2078.334	4875.091

Sample Name: CCV06 Acquired: 7/9/2025 16:39:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.883682**	**5.110422**	**4.935637**	**5.090627**	**5.038603**	**10.06983**	**10.57405**
Stddev	.017469	.020022	.015534	.023776	.031749	.06285	.00455
%RSD	.3577057	.3917887	.3147331	.4670639	.6301156	.6241702	.0430106
#1	4.874967	5.100763	4.941906	5.066643	5.009299	10.08442	10.57909
#2	4.872284	5.097059	4.917948	5.091048	5.034176	10.00097	10.57026
#3	4.903794	5.133442	4.947057	5.114190	5.072333	10.12411	10.57280

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2598199**	**2.474214**	**25.62194**	**.9995620**	**2.427133**	**1.282278**	**5.077080**
Stddev	.0007793	.007697	.04031	.0024655	.009669	.004531	.028033
%RSD	.2999551	.3110897	.1573200	.2466581	.3983703	.3533939	.5521462
#1	.2601701	2.472863	25.64139	1.000943	2.422205	1.287445	5.101921
#2	.2589269	2.467282	25.57559	1.001028	2.420921	1.280409	5.046686
#3	.2603627	2.482497	25.64882	.996715	2.438273	1.278980	5.082633

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.577950**	**24.73798**	**2.432196**	**1.247659**	**25.27159**	**2.569838**	**2.555421**
Stddev	.008420	.06910	.010189	.000742	.18076	.011246	.017781
%RSD	.3265986	.2793398	.4189016	.0594974	.7152761	.4376277	.6958100
#1	2.587625	24.66180	2.424565	1.247901	25.16867	2.562467	2.541563
#2	2.572283	24.79663	2.428256	1.248251	25.16579	2.582782	2.575470
#3	2.573943	24.75551	2.443766	1.246826	25.48031	2.564264	2.549229

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.32019**	**5.273722**	**5.229440**	**5.148709**	**5.127448**	**5.238580**	**5.025187**
Stddev	.32155	.017614	.007735	.033775	.008704	.009111	.011526
%RSD	1.269920	.3339941	.1479199	.6559944	.1697501	.1739209	.2293735
#1	24.99868	5.267486	5.238177	5.113342	5.120944	5.248920	5.014490
#2	25.32011	5.260075	5.223463	5.152156	5.124065	5.231731	5.023676
#3	25.64177	5.293606	5.226682	5.180628	5.137336	5.235089	5.037394

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV06 Acquired: 7/9/2025 16:39:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.228226**	**5.109269**	**5.224569**
Stddev	.007143	.011116	.012773
%RSD	.1366295	.2175603	.2444761
#1	5.235400	5.114253	5.237583
#2	5.221113	5.096533	5.212052
#3	5.228165	5.117020	5.224072

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3324.211**	**32867.74**	**2572.246**	**2061.457**	**4470.976**
Stddev	15.719	65.99	3.597	11.287	16.597
%RSD	.4728618	.2007680	.1398225	.5475024	.3712189
#1	3336.292	32886.45	2568.108	2072.651	4473.073
#2	3329.902	32794.42	2574.007	2050.080	4486.425
#3	3306.440	32922.36	2574.622	2061.639	4453.430

Sample Name: CCB06 Acquired: 7/9/2025 16:43:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001279**	**-.000956**	**-.001108**	**.0014774**	**-.000450**	**.0188099**
Stddev	.001986	.001767	.000778	.0040129	.002615	.0481541
%RSD	155.3488	184.8032	70.19083	271.6121	580.9593	256.0045
#1	.000988	.000658	-.001896	.0059964	-.003330	.0065004
#2	-.002107	-.002844	-.001088	.0001054	.001775	.0719238
#3	-.002717	-.000682	-.000341	-.001670	.000204	-.021995

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030775**	**.0000634**	**.0000599**	**-.023181**	**-.000061**	**.0001941**
Stddev	.0008625	.0000756	.0000581	.022431	.001215	.0001784
%RSD	28.02622	119.1595	97.00397	96.76566	1997.022	91.91540
#1	.0040188	-.000023	.0001165	-.014108	-.000068	.0000059
#2	.0028888	.000099	.0000626	-.006707	-.001272	.0003607
#3	.0023250	.000115	.0000005	-.048727	.001157	.0002156

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010571**	**.0004795**	**-.000261**	**-.045070**	**-.000517**	**.0035056**
Stddev	.0006270	.0028995	.002005	.056712	.000792	.0010916
%RSD	59.31414	604.6977	768.7173	125.8318	153.1916	31.13878
#1	.0003739	.0037923	.000567	-.021652	.000378	.0044534
#2	.0016062	-.001597	-.002547	-.003816	-.001126	.0037514
#3	.0011912	-.000757	.001198	-.109740	-.000802	.0023121

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0353902**	**-.004459**	**-.000087**	**.0181542**	**.0030620**	F **.0175545**
Stddev	.0170372	.008998	.000109	.0016225	.0021187	.0021608
%RSD	48.14111	201.8074	124.8109	8.937440	69.19182	12.30901
#1	.0257501	-.004346	.000033	.0200191	.0054951	.0194189
#2	.0253587	-.013512	-.000114	.0173772	.0020661	.0180581
#3	.0550618	.004482	-.000181	.0170663	.0016248	.0151863

Sample Name: CCB06 Acquired: 7/9/2025 16:43:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002616	F .1310322	-.000118	-.008762	-.005489	.0153089
Stddev	.0004622	.0053466	.002511	.000964	.005044	.0053977
%RSD	176.6798	4.080382	2126.054	11.00547	91.89550	35.25892
#1	-.000204	.1356216	-.002373	-.009632	-.009665	.0201488
#2	.000720	.1323136	.002588	-.007725	-.006919	.0162900
#3	.000268	.1251613	-.000570	-.008930	.000116	.0094879

Elem	Sr4077
Units	ppm
Avg	.0002645
Stddev	.0002869
%RSD	108.4903
#1	-.000064
#2	.000394
#3	.000464

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3436.699	33823.99	2558.734	2116.692	5073.814
Stddev	8.198	251.69	20.474	7.923	5.840
%RSD	.2385411	.7441057	.8001690	.3743293	.1150968
#1	3441.804	34113.87	2579.688	2125.674	5074.210
#2	3441.050	33661.11	2557.739	2113.709	5079.446
#3	3427.243	33696.98	2538.776	2110.693	5067.787

Sample Name: Q2488-02 Acquired: 7/9/2025 16:52:03 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000786**	**-.002436**	**.0055760**	**.0009109**	**-.003172**	**.0306797**	**.0074122**
Stddev	.0050265	.001351	.0004624	.0089470	.001481	.0629418	.0013948
%RSD	6395.212	55.47447	8.293438	982.2351	46.68500	205.1579	18.81734
#1	.0058499	-.003585	.0060716	.0010882	-.004456	.0072480	.0066481
#2	-.002273	-.002776	.0055006	.0097679	-.001552	.1019764	.0065663
#3	-.003341	-.000947	.0051560	-.008123	-.003508	-.017185	.0090220

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004126**	**.0000337**	**3.890636**	**.0008176**	**.0080440**	**.0113777**	**.2173177**
Stddev	.0002281	.0000988	.228962	.0003972	.0001334	.0051862	.0528379
%RSD	55.27343	292.8379	5.884959	48.58309	1.658105	45.58207	24.31366
#1	.0003515	-.000027	4.021800	.0003599	.0079778	.0091936	.1988537
#2	.0002213	-.000020	4.023852	.0010730	.0081976	.0076407	.1761895
#3	.0006650	.000148	3.626256	.0010198	.0079568	.0172986	.2769100

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0226958**	**1.477193**	**.0078849**	**.0026055**	**18.84875**	**-.006914**	**.0287543**
Stddev	.0047571	.111130	.0002972	.0020409	5.26605	.013743	.0014299
%RSD	20.96015	7.523056	3.768835	78.33053	27.93845	198.7744	4.972880
#1	.0254579	1.527994	.0075660	.0012515	17.57073	-.017636	.0271218
#2	.0254266	1.553843	.0079344	.0049529	14.33934	-.011684	.0293563
#3	.0172028	1.349742	.0081541	.0016120	24.63619	.008579	.0297848

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.0337539**	**.0095032**	**-.000581**	**4.107727**	**7.036720**	**-.012522**
Stddev	-----	.0029350	.0038532	.000375	.249714	1.707643	.000065
%RSD	-----	8.695435	40.54641	64.56582	6.079117	24.26759	.5183462
#1	^ -----	.0331376	.0089860	-.000149	4.395657	6.343058	-.012522
#2	^ -----	.0311760	.0059347	-.000775	3.950378	5.785061	-.012457
#3	^ -----	.0369482	.0135889	-.000819	3.977146	8.982040	-.012587

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2488-02 Acquired: 7/9/2025 16:52:03 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003018	-.022458	.0239969
Stddev	.007724	.032692	.0009784
%RSD	255.9240	145.5715	4.077053
#1	-.006796	-.005445	.0241750
#2	-.008126	-.001780	.0248739
#3	.005868	-.060148	.0229417

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3398.657	29445.41	2236.483	1926.666	5024.117
Stddev	165.306	2239.27	483.708	143.293	269.890
%RSD	4.863858	7.604831	21.62805	7.437367	5.371879
#1	3208.970	31822.04	2503.636	2081.709	4714.646
#2	3511.941	27375.01	2527.694	1799.102	5210.651
#3	3475.062	29139.18	1678.118	1899.188	5147.055

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2487-15 Acquired: 7/9/2025 17:14:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1997987	-.002827	k 11.15251	.0646431	.0776899	^ *****
Stddev	.0107400	.002288	.01529	.0153847	.0048276	-----
%RSD	5.375410	80.93913	.1370873	23.79941	6.213958	-----
#1	.2006479	-.005161	k 11.15091	.0557133	.0739986	^ -----
#2	.2100889	-.000588	11.13808	.0824077	.0831531	97.48180
#3	.1886593	-.002732	11.16853	.0558082	.0759179	97.91798

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	.0122127	.0304624	^ *****	.4472603	.3851476
Stddev	-----	.0006052	.0013270	-----	.0054893	.0015231
%RSD	-----	4.955433	4.356207	-----	1.227307	.3954645
#1	^ -----	.0118682	.0315990	^ -----	.4534002	.3852607
#2	5.984387	.0129115	.0290041	812.2111	.4428270	.3835710
#3	5.980137	.0118584	.0307841	814.5707	.4455538	.3866109

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.844744	391.5787	4.911937	207.9368	.3788153	.0165429
Stddev	.263446	28.0803	.016641	.7300	.0017967	.0059966
%RSD	6.852102	7.171041	.3387824	.3510551	.4743048	36.24881
#1	3.614719	368.3060	4.893053	208.3941	.3804686	.0104678
#2	4.132151	422.7672	4.924455	207.0949	.3769032	.0224578
#3	3.787361	383.6628	4.918303	208.3212	.3790742	.0167030

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.14007	.5480949	F 18.92630	27.58218	11.57020	.2253919
Stddev	.79956	.0128308	.04752	2.14939	.01571	.0131411
%RSD	6.084933	2.340978	.2510639	7.792693	.1358205	5.830324
#1	12.66594	.5423249	18.94485	26.09761	11.58411	.2146074
#2	14.06321	.5391622	18.87231	30.04694	11.55315	.2400286
#3	12.69106	.5627977	18.96175	26.60198	11.57333	.2215399

Sample Name: Q2487-15 Acquired: 7/9/2025 17:14:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2258029	F 27.02684	F 20.19867	1.185721	6.035090	.1459055
Stddev	.0013916	.03657	1.34236	.006033	.015717	.0111834
%RSD	.6162846	.1353003	6.645764	.5087795	.2604294	7.664821
#1	.2248512	27.02995	19.11460	1.185588	6.018972	.1585413
#2	.2251575	26.98882	21.70014	1.179756	6.035924	.1418944
#3	.2274000	27.06175	19.78129	1.191819	6.050373	.1372808

Elem	Sr4077
Units	ppm
Avg	^ *****
Stddev	-----
%RSD	-----
#1	^ -----
#2	2.705573
#3	2.706145

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3414.933	32600.65	2605.080	2111.095	3763.192
Stddev	3.656	138.55	161.641	16.354	3.916
%RSD	.1070618	.4250047	6.204852	.7746548	.1040662
#1	3419.120	32485.62	2743.352	2116.996	3766.751
#2	3413.308	32754.46	2427.369	2123.678	3763.828
#3	3412.371	32561.86	2644.521	2092.609	3758.997

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-02 Acquired: 7/9/2025 17:19:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1439868**	**-.013632**	**1.006264**	**.1122323**	**.0260368**	**94.85533**	**.5362752**
Stddev	.0069935	.001148	.001550	.0013170	.0015542	.45734	.0017769
%RSD	4.857032	8.419625	.1539973	1.173437	5.969133	.4821473	.3313480
#1	.1519743	-.012320	1.006767	.1137374	.0277836	95.29767	.5380207
#2	.1410219	-.014449	1.004526	.1112918	.0255198	94.38434	.5344684
#3	.1389642	-.014128	1.007500	.1116676	.0248071	94.88397	.5363365

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0115708**	**-.002104**	**18.72632**	**.2248878**	**.0340775**	**.1225846**	**445.3570**
Stddev	.0002733	.000042	.11440	.0008886	.0002497	.0009336	2.2007
%RSD	2.361893	2.006881	.6109240	.3951218	.7328476	.7616291	.4941445
#1	.0116735	-.002153	18.76850	.2255704	.0343604	.1234547	446.6453
#2	.0117778	-.002076	18.59681	.2238831	.0338875	.1215983	442.8159
#3	.0112610	-.002084	18.81364	.2252099	.0339848	.1227007	446.6097

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8765291**	**4.274266**	**.0649743**	**.0021214**	**4.418189**	**.4885158**	**.5871086**
Stddev	.0054934	.104279	.0007246	.0019872	.020323	.0128686	.0022677
%RSD	.6267188	2.439702	1.115268	93.67239	.4599768	2.634231	.3862420
#1	.8785036	4.264661	.0658109	.0023190	4.434122	.5029460	.5885430
#2	.8703214	4.175122	.0645686	.0000428	4.395302	.4843712	.5844943
#3	.8807623	4.383016	.0645435	.0040025	4.425143	.4782302	.5882886

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.495803**	**8.144852**	**.1558996**	**.0021918**	**11.11071**	**6.428609**	**.2370697**
Stddev	.029477	.023810	.0029367	.0001756	.03718	.046112	.0020979
%RSD	.4537899	.2923361	1.883686	8.010576	.3345993	.7172929	.8849522
#1	6.523227	8.136847	.1577190	.0022879	11.10864	6.420661	.2376639
#2	6.464631	8.126076	.1525117	.0022984	11.07462	6.386988	.2347388
#3	6.499552	8.171633	.1574680	.0019892	11.14889	6.478179	.2388065

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-02 Acquired: 7/9/2025 17:19:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.102113	.0530796	.1761672
Stddev	.007275	.0089599	.0009676
%RSD	.6601335	16.88014	.5492399
#1	1.097805	.0557492	.1769164
#2	1.098020	.0604013	.1750748
#3	1.110513	.0430883	.1765104

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3530.504	34362.62	2753.868	2163.848	4680.963
Stddev	14.273	31.24	6.515	4.300	23.288
%RSD	.4042797	.0909040	.2365632	.1987421	.4975014
#1	3522.429	34341.79	2746.839	2160.625	4669.650
#2	3546.984	34398.54	2759.703	2168.731	4707.746
#3	3522.098	34347.54	2755.064	2162.188	4665.492

Sample Name: Q2484-03 Acquired: 7/9/2025 17:23:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1132776**	**-.016689**	**.2242331**	**.0532019**	**.0350783**	**118.1861**	**.4066558**
Stddev	.0024804	.002000	.0020421	.0055814	.0030277	.3047	.0009244
%RSD	2.189702	11.98353	.9107183	10.49105	8.631210	.2577932	.2273086
#1	.1108980	-.015867	.2262466	.0483112	.0376634	118.4723	.4075279
#2	.1130868	-.015231	.2221635	.0592822	.0358241	118.2203	.4067528
#3	.1158479	-.018969	.2242890	.0520122	.0317474	117.8658	.4056868

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0114701**	**-.000609**	**286.1966**	**.2465764**	**.0999872**	**.3423934**	**355.5538**
Stddev	.0002181	.000255	.8222	.0024329	.0003624	.0077594	5.1012
%RSD	1.901479	41.94069	.2872716	.9866632	.3624117	2.266215	1.434727
#1	.0112274	-.000379	285.8960	.2483700	.1001335	.3334683	351.6470
#2	.0116496	-.000883	287.1268	.2438072	.0995746	.3475376	361.3249
#3	.0115334	-.000564	285.5671	.2475521	.1002536	.3461742	353.6894

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.455046**	**84.57628**	**.1422823**	**-.000751**	**7.263863**	**.7344381**	**.4111479**
Stddev	.004493	.46039	.0010895	.000302	.006940	.0029111	.0028840
%RSD	.3087744	.5443524	.7657141	40.21705	.0955445	.3963642	.7014379
#1	1.459615	84.75298	.1433782	-.000538	7.256419	.7323989	.4113707
#2	1.450634	84.92215	.1411993	-.000618	7.270155	.7377719	.4139140
#3	1.454888	84.05371	.1422695	-.001097	7.265015	.7331435	.4081590

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.804740**	**7.727171**	**.2275961**	**-.006408**	**9.391096**	**13.35971**	**.0138179**
Stddev	.295530	.032620	.0041167	.000668	.049572	.24442	.0008129
%RSD	3.356482	.4221498	1.808796	10.42078	.5278572	1.829566	5.882700
#1	8.659622	7.762100	.2234462	-.005817	9.445697	13.08958	.0145359
#2	8.609824	7.697497	.2316788	-.007133	9.348917	13.56561	.0129354
#3	9.144775	7.721915	.2276633	-.006275	9.378673	13.42393	.0139824

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-03 Acquired: 7/9/2025 17:23:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**3.600420**	**.0756899**	**.8460702**
Stddev	.007354	.0081936	.0014060
%RSD	.2042555	10.82527	.1661782
#1	3.605567	.0754360	.8459453
#2	3.603696	.0676261	.8475344
#3	3.591997	.0840075	.8447308

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3630.379**	**34458.72**	**2760.344**	**2224.208**	**4196.073**
Stddev	8.817	374.57	33.037	23.835	17.166
%RSD	.2428686	1.087013	1.196854	1.071598	.4090945
#1	3631.482	34027.83	2787.734	2205.128	4194.864
#2	3638.593	34641.77	2723.653	2216.572	4213.811
#3	3621.063	34706.57	2769.646	2250.925	4179.543

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-04 Acquired: 7/9/2025 17:28:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2239695**	**-.039208**	**.2263992**	**.1407693**	**.0316553**	**176.4285**	**.5320982**
Stddev	.0019529	.000870	.0040027	.0180656	.0024478	.6076	.0019308
%RSD	.8719418	2.218889	1.767991	12.83347	7.732607	.3443983	.3628556
#1	.2218581	-.038204	.2218726	.1299892	.0330627	175.7780	.5340101
#2	.2243394	-.039692	.2294715	.1616257	.0330744	176.9814	.5321353
#3	.2257109	-.039729	.2278534	.1306930	.0288289	176.5261	.5301491

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0172210**	**-.001347**	**9.093812**	**.5021841**	**.0780708**	**.0561254**	**526.1144**
Stddev	.0011286	.001319	.033426	.0028003	.0009938	.0044125	30.2150
%RSD	6.553765	97.89199	.3675688	.5576272	1.272898	7.861863	5.743041
#1	.0165613	-.000724	9.073581	.5043443	.0784076	.0540950	512.2681
#2	.0185242	-.002862	9.132393	.4990203	.0788524	.0611876	560.7712
#3	.0165776	-.000456	9.075460	.5031877	.0769524	.0530935	505.3039

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.365178**	**10.59336**	**.1117045**	**-.000777**	**2.705571**	**.8211873**	**.3345945**
Stddev	.009042	.05337	.0008322	.006653	.160124	.0106316	.0009404
%RSD	.6623428	.5037977	.7450007	856.5823	5.918317	1.294663	.2810626
#1	1.374859	10.53181	.1116973	-.003718	2.635646	.8269422	.3347258
#2	1.363726	10.62138	.1125403	.006840	2.888765	.8089188	.3354625
#3	1.356950	10.62687	.1108760	-.005452	2.592302	.8277010	.3335954

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.761224**	**5.621650**	**.1325941**	**.0064631**	**3.669225**	**2.744922**	**.0059450**
Stddev	.352857	.016551	.0075308	.0000326	.010542	.166408	.0011200
%RSD	6.124679	.2944081	5.679611	.5044299	.2873017	6.062390	18.83948
#1	5.567051	5.614598	.1360664	.0064657	3.664387	2.662955	.0050725
#2	6.168521	5.609794	.1377625	.0064293	3.661971	2.936414	.0072080
#3	5.548101	5.640559	.1239536	.0064944	3.681317	2.635398	.0055546

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-04 Acquired: 7/9/2025 17:28:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.823186**	**.0725807**	**.0623795**
Stddev	.011198	.0029941	.0007302
%RSD	.3966344	4.125162	1.170548
#1	2.835941	.0702061	.0627837
#2	2.814972	.0715920	.0628182
#3	2.818645	.0759441	.0615366

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3831.025**	**36863.10**	**2872.141**	**2336.229**	**4451.792**
Stddev	13.187	59.70	165.185	5.321	10.252
%RSD	.3442248	.1619394	5.751288	.2277721	.2302985
#1	3817.710	36913.68	2965.967	2340.591	4442.451
#2	3831.284	36878.36	2681.410	2330.300	4450.163
#3	3844.081	36797.25	2969.047	2337.795	4462.761

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-05 Acquired: 7/9/2025 17:32:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2152559**	**-.034234**	**.1985096**	**.1342507**	**.0374965**	**192.2276**	**.3877251**
Stddev	.0037038	.003768	.0029927	.0009626	.0020028	.5444	.0016780
%RSD	1.720647	11.00573	1.507564	.7170252	5.341231	.2832041	.4327893
#1	.2156083	-.030426	.2000483	.1347580	.0389674	192.2052	.3867982
#2	.2113886	-.037960	.1950607	.1348536	.0383066	191.6947	.3867149
#3	.2187710	-.034316	.2004199	.1331406	.0352156	192.7828	.3896621

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0213063**	**.0001810**	**7.896729**	**.7774522**	**.1016379**	**.0542461**	**552.2733**
Stddev	.0002676	.0004770	.025846	.0023709	.0004668	.0007120	6.7471
%RSD	1.255853	263.6165	.3273003	.3049536	.4592486	1.312487	1.221701
#1	.0212921	.0001455	7.923334	.7776897	.1021650	.0550385	555.9910
#2	.0210461	.0006747	7.895138	.7749715	.1014719	.0536604	544.4850
#3	.0215807	-.000277	7.871715	.7796953	.1012768	.0540393	556.3438

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.210109**	**10.95272**	**.1371515**	**-.007305**	**6.464154**	**.7780394**	**.3959409**
Stddev	.004181	.11241	.0006604	.002002	.094108	.0072188	.0038936
%RSD	.3455033	1.026320	.4815135	27.40581	1.455850	.9278239	.9833793
#1	1.206846	10.95465	.1378556	-.006221	6.477546	.7794059	.3945659
#2	1.208658	11.06414	.1370529	-.009616	6.364067	.7844773	.3929213
#3	1.214822	10.83935	.1365459	-.006079	6.550849	.7702350	.4003354

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.484806**	**6.823907**	**.1684568**	**.0054582**	**2.282452**	**3.513464**	**.0124300**
Stddev	.098856	.020019	.0088436	.0003051	.009906	.044144	.0007011
%RSD	1.165090	.2933608	5.249789	5.590419	.4340229	1.256425	5.640255
#1	8.429993	6.846118	.1784967	.0052610	2.293755	3.516244	.0128448
#2	8.425500	6.807256	.1650529	.0053039	2.278319	3.467995	.0128246
#3	8.598925	6.818346	.1618210	.0058097	2.275281	3.556152	.0116205

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-05 Acquired: 7/9/2025 17:32:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.974404**	**.0966423**	**.0612391**
Stddev	.008906	.0027133	.0001587
%RSD	.2994163	2.807622	.2591898
#1	2.966718	.0992269	.0611614
#2	2.972331	.0968836	.0611342
#3	2.984164	.0938164	.0614217

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3886.054**	**37625.31**	**3052.995**	**2388.118**	**4491.985**
Stddev	14.048	14.49	36.631	9.361	17.328
%RSD	.3614866	.0385098	1.199829	.3919643	.3857472
#1	3870.191	37618.41	3048.991	2390.947	4472.300
#2	3896.920	37641.96	3091.463	2395.738	4504.927
#3	3891.051	37615.56	3018.531	2377.669	4498.729

Sample Name: Q2484-06 Acquired: 7/9/2025 17:37:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1689696**	**-.028894**	**.2188455**	**.1013358**	**.0203521**	**177.3509**	**.5173486**
Stddev	.0107739	.002537	.0005262	.0041246	.0028091	.3903	.0009131
%RSD	6.376214	8.779440	.2404476	4.070202	13.80269	.2200723	.1765000
#1	.1813862	-.026540	.2182629	.1007560	.0220903	177.4791	.5182780
#2	.1620915	-.028563	.2189870	.1057195	.0171112	177.6609	.5173151
#3	.1634313	-.031581	.2192864	.0975317	.0218547	176.9126	.5164527

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0158914**	**.0003824**	**7.287486**	**.3040913**	**.0939018**	**.0944626**	**396.7727**
Stddev	.0002960	.0001502	.059352	.0003895	.0002969	.0008776	3.4849
%RSD	1.862529	39.28742	.8144333	.1280775	.3161659	.9290430	.8783097
#1	.0160580	.0003263	7.331385	.3043563	.0936170	.0947216	396.1577
#2	.0160664	.0002682	7.311114	.3042736	.0942094	.0951816	400.5241
#3	.0155496	.0005526	7.219959	.3036442	.0938790	.0934847	393.6362

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.517096**	**13.96470**	**.1418393**	**-.002151**	**5.066361**	**.6284879**	**.3306500**
Stddev	.005467	.02207	.0001000	.001008	.042137	.0122673	.0017751
%RSD	.3603400	.1580483	.0705006	46.83904	.8317111	1.951870	.5368568
#1	1.523309	13.97565	.1419340	-.002348	5.106644	.6157872	.3315968
#2	1.514955	13.97915	.1417347	-.001060	5.069853	.6294064	.3317510
#3	1.513023	13.93929	.1418491	-.003046	5.022586	.6402701	.3286022

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.899105**	**5.493865**	**.1477813**	**.0055607**	**1.994573**	**3.375548**	**.0119679**
Stddev	.052910	.018540	.0054376	.0005609	.002414	.008797	.0017112
%RSD	.6698268	.3374687	3.679462	10.08639	.1210192	.2606201	14.29827
#1	7.947644	5.477011	.1418867	.0057425	1.996971	3.371179	.0100000
#2	7.906968	5.490860	.1526014	.0060082	1.992143	3.385674	.0127976
#3	7.842703	5.513724	.1488558	.0049315	1.994605	3.369790	.0131061

Sample Name: Q2484-06 Acquired: 7/9/2025 17:37:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.943385**	**.1077500**	**.0602251**
Stddev	.014981	.0023515	.0002852
%RSD	.5089623	2.182390	.4735940
#1	2.946797	.1051534	.0604910
#2	2.956366	.1083609	.0602605
#3	2.926993	.1097359	.0599239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4157.288**	**40173.72**	**3266.618**	**2555.859**	**4579.561**
Stddev	5.094	244.35	32.999	13.579	.580
%RSD	.1225247	.6082346	1.010189	.5313056	.0126717
#1	4151.733	40307.43	3254.125	2565.325	4578.903
#2	4158.393	39891.69	3241.690	2540.300	4579.782
#3	4161.739	40322.03	3304.040	2561.951	4580.000

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06DUP Acquired: 7/9/2025 17:41:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1842875**	**-.037205**	**.2419494**	**.1168926**	**.0222579**	**178.1762**	**.5181436**
Stddev	.0084628	.004167	.0036287	.0118370	.0048809	.4680	.0025605
%RSD	4.592159	11.20010	1.499767	10.12641	21.92885	.2626754	.4941666
#1	.1892130	-.041508	.2455987	.1054803	.0275727	178.0413	.5183163
#2	.1891338	-.036917	.2419078	.1291129	.0212248	177.7905	.5206134
#3	.1745156	-.033189	.2383417	.1160845	.0179763	178.6969	.5155012

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0168933**	**-.000304**	**7.385237**	**.3110103**	**.0960277**	**.0957734**	**418.8634**
Stddev	.0008162	.000761	.049726	.0028231	.0002142	.0029265	17.9664
%RSD	4.831629	250.4850	.6733152	.9077112	.2230742	3.055635	4.289310
#1	.0160987	.000356	7.328629	.3096391	.0958973	.0946467	405.7070
#2	.0177296	-.001136	7.421868	.3091348	.0959108	.0990957	439.3330
#3	.0168516	-.000131	7.405214	.3142571	.0962749	.0935776	411.5503

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.626285**	**13.84060**	**.1430887**	**.0018555**	**5.527572**	**.6312142**	**.3294169**
Stddev	.007011	.05611	.0010927	.0031037	.378309	.0057009	.0017942
%RSD	.4311279	.4054270	.7636586	167.2726	6.844033	.9031673	.5446683
#1	1.624704	13.82177	.1440942	.0008184	5.093666	.6248059	.3314870
#2	1.633952	13.79633	.1432461	.0053449	5.788244	.6357225	.3283102
#3	1.620199	13.90371	.1419259	-.000597	5.700807	.6331144	.3284534

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.770945**	**5.748954**	**.1537444**	**.0057854**	**2.180687**	**2.629099**	**.0182969**
Stddev	.731186	.141121	.0078458	.0004995	.056703	.103412	.0006034
%RSD	8.336455	2.454720	5.103127	8.634638	2.600237	3.933374	3.297790
#1	8.015661	5.906353	.1496153	.0052089	2.245887	2.542526	.0189882
#2	8.821797	5.706782	.1627925	.0060556	2.153288	2.743610	.0178761
#3	9.475378	5.633727	.1488256	.0060916	2.142888	2.601161	.0180265

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06DUP Acquired: 7/9/2025 17:41:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**3.074337**	**.1097269**	**.0601619**
Stddev	.017692	.0057936	.0001928
%RSD	.5754600	5.280037	.3203947
#1	3.054161	.1030837	.0603706
#2	3.087197	.1137314	.0601247
#3	3.081654	.1123658	.0599905

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4136.181**	**39869.38**	**3127.737**	**2579.179**	**4489.448**
Stddev	29.565	279.07	124.593	18.209	57.436
%RSD	.7147876	.6999491	3.983485	.7060082	1.279348
#1	4102.368	40148.73	3233.516	2558.533	4425.722
#2	4149.017	39868.81	2990.399	2586.053	4505.401
#3	4157.159	39590.60	3159.295	2592.950	4537.220

Sample Name: Q2484-06LX5 Acquired: 7/9/2025 17:46:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0401227**	**-.005757**	**.0485273**	**.0310358**	**.0056102**	**41.08069**	**.1191342**
Stddev	.0008164	.001602	.0020434	.0009930	.0006706	.03955	.0015017
%RSD	2.034650	27.82522	4.210903	3.199398	11.95411	.0962752	1.260508
#1	.0394697	-.007369	.0477899	.0303794	.0063701	41.05399	.1198704
#2	.0410380	-.005735	.0508371	.0305499	.0051011	41.12613	.1201257
#3	.0398605	-.004166	.0469549	.0321781	.0053594	41.06195	.1174065

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037672**	**-.000925**	**1.630189**	**.0687768**	**.0186531**	**.0253779**	**102.7262**
Stddev	.0002971	.000122	.010411	.0012187	.0001907	.0003950	1.3680
%RSD	7.886889	13.14545	.6386608	1.771919	1.022439	1.556523	1.331689
#1	.0034625	-.000819	1.622886	.0691398	.0188535	.0249605	101.8152
#2	.0040561	-.001058	1.625571	.0697727	.0186319	.0254273	104.2993
#3	.0037829	-.000899	1.642111	.0674179	.0184738	.0257458	102.0641

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3662581**	**3.282353**	**.0280072**	**.0019823**	**1.159705**	**.1405019**	**.0773701**
Stddev	.0053101	.081053	.0001785	.0012719	.023192	.0010118	.0002332
%RSD	1.449814	2.469351	.6372128	64.16272	1.999848	.7201559	.3014073
#1	.3604926	3.284795	.0281873	.0012469	1.142575	.1416593	.0773277
#2	.3709480	3.362158	.0278305	.0034510	1.186097	.1397850	.0776216
#3	.3673337	3.200107	.0280037	.0012490	1.150443	.1400614	.0771610

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.475344**	**1.051109**	**.0400418**	**.0009278**	**.4151544**	**.5548361**	**.0040092**
Stddev	.016352	.002075	.0018937	.0002734	.0010308	.0054510	.0004447
%RSD	1.108356	.1973728	4.729228	29.46992	.2482862	.9824578	11.09208
#1	1.464070	1.052916	.0382633	.0008229	.4149143	.5583574	.0037240
#2	1.494098	1.051568	.0420327	.0012382	.4162841	.5575938	.0045216
#3	1.467862	1.048843	.0398293	.0007224	.4142649	.5485573	.0037819

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06LX5 Acquired: 7/9/2025 17:46:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6800503	.0313650	.0143088
Stddev	.0018972	.0065426	.0000884
%RSD	.2789734	20.85951	.6176787
#1	.6779020	.0321476	.0143803
#2	.6814957	.0374812	.0143361
#3	.6807532	.0244664	.0142100

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3629.614	35838.23	2807.607	2236.630	4898.502
Stddev	15.960	82.09	17.333	7.102	20.037
%RSD	.4397131	.2290476	.6173566	.3175157	.4090492
#1	3638.970	35805.17	2822.793	2236.202	4905.118
#2	3638.687	35931.69	2788.724	2243.936	4914.396
#3	3611.186	35777.82	2811.305	2229.752	4875.994

Sample Name: CCV07 Acquired: 7/9/2025 17:50:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.771605**	**5.042006**	**4.831093**	**5.008122**	**4.976171**	**10.04295**	**10.54178**
Stddev	.012997	.002505	.009363	.016669	.008808	.03263	.05621
%RSD	.2723829	.0496908	.1938081	.3328314	.1770066	.3249323	.5332104
#1	4.785463	5.043926	4.841301	4.988910	4.967205	10.03789	10.52497
#2	4.759686	5.042919	4.822904	5.018735	4.976497	10.01314	10.60449
#3	4.769666	5.039172	4.829074	5.016720	4.984812	10.07782	10.49591

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2579010**	**2.422122**	**25.48295**	**.9816567**	**2.378565**	**1.268443**	**5.065618**
Stddev	.0013289	.002461	.05540	.0020444	.002102	.008652	.033888
%RSD	.5152868	.1016021	.2174012	.2082644	.0883791	.6821022	.6689758
#1	.2578710	2.424887	25.41973	.9834716	2.380992	1.268529	5.049888
#2	.2592447	2.420171	25.50611	.9820567	2.377413	1.277052	5.104512
#3	.2565874	2.421309	25.52302	.9794418	2.377291	1.259748	5.042455

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.567543**	**24.72266**	**2.393192**	**1.236918**	**24.04787**	**2.543995**	**2.516368**
Stddev	.008735	.07009	.001496	.003521	.11608	.004167	.015719
%RSD	.3401954	.2834866	.0625072	.2846622	.4827062	.1638015	.6246674
#1	2.562625	24.72703	2.394913	1.239631	24.06848	2.543344	2.534316
#2	2.577627	24.65049	2.392455	1.238185	24.15227	2.548449	2.505051
#3	2.562375	24.79045	2.392207	1.232939	23.92286	2.540192	2.509737

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.93959**	**5.196753**	**5.147093**	**5.104310**	**4.838706**	**5.231276**	**4.909808**
Stddev	.30084	.012826	.022166	.005719	.014805	.025129	.010164
%RSD	1.256684	.2468169	.4306448	.1120342	.3059749	.4803638	.2070198
#1	23.98185	5.197751	5.144828	5.102294	4.854506	5.223437	4.916022
#2	24.21707	5.183457	5.170304	5.099873	4.836461	5.259391	4.898078
#3	23.61985	5.209052	5.126147	5.110764	4.825152	5.211002	4.915324

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV07 Acquired: 7/9/2025 17:50:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.219042**	**5.103943**	**5.205975**
Stddev	.031965	.003452	.017922
%RSD	.6124701	.0676406	.3442573
#1	5.189932	5.106812	5.205454
#2	5.253249	5.100112	5.224152
#3	5.213945	5.104907	5.188319

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3338.037**	**33323.56**	**2605.473**	**2070.537**	**4520.825**
Stddev	6.399	76.55	10.242	7.329	3.113
%RSD	.1916888	.2297319	.3931025	.3539449	.0688658
#1	3345.192	33331.89	2615.217	2063.972	4520.508
#2	3336.058	33395.60	2594.797	2078.444	4524.085
#3	3332.862	33243.17	2606.406	2069.197	4517.883

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB07 Acquired: 7/9/2025 17:54:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004497**	**-.000009**	**.0016791**	**.0045227**	**-.000688**	**.0074048**
Stddev	.0027779	.001659	.0017570	.0077846	.001493	.0093975
%RSD	617.7298	18246.63	104.6339	172.1243	217.0606	126.9105
#1	.0034875	.000224	.0016645	.0017744	.000665	.0110164
#2	-.001961	.001521	-.000070	.0133087	-.002290	.0144607
#3	-.000177	-.001772	.003443	-.001515	-.000439	-.003263

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007006**	**.0000833**	**-.000017**	**-.019929**	**-.000116**	**.0004985**
Stddev	.0010996	.0000848	.000065	.032177	.000709	.0002057
%RSD	156.9561	101.7502	383.9998	161.4521	610.3393	41.26080
#1	-.000046	.0001808	-.000088	.017149	-.000431	.0004048
#2	.000185	.0000272	-.000004	-.036411	.000696	.0007344
#3	.001963	.0000419	.000040	-.040526	-.000613	.0003564

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011754**	**.0022652**	**-.000685**	**-.011273**	**.0010041**	**.0022342**
Stddev	.0005831	.0028616	.000087	.081975	.0004331	.0012740
%RSD	49.61136	126.3332	12.64626	727.1908	43.12777	57.02206
#1	.0018474	-.000156	-.000605	-.105887	.0005283	.0030256
#2	.0008757	.001528	-.000673	.033575	.0011089	.0029124
#3	.0008030	.005423	-.000778	.038493	.0013752	.0007646

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005207**	**-.005377**	**.0001372**	**.0100622**	**.0036190**	F **.0111002**
Stddev	.019188	.006860	.0001805	.0013558	.0023760	.0011273
%RSD	368.5091	127.5860	131.4857	13.47404	65.65298	10.15583
#1	-.016581	-.001857	.0003252	.0115218	.0023366	.0113586
#2	.016947	-.000991	-.000035	.0098224	.0063606	.0120759
#3	-.015986	-.013283	.000121	.0088422	.0021597	.0098661

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB07 Acquired: 7/9/2025 17:54:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004333	.0179192	-.003834	-.008981	-.009364	.0168268
Stddev	.0002488	.0021697	.001294	.000512	.004660	.0040822
%RSD	57.43391	12.10799	33.74054	5.702906	49.75951	24.26031
#1	.0004714	.0171826	-.005147	-.009131	-.014585	.0143470
#2	.0006608	.0203613	-.002560	-.008411	-.005626	.0215383
#3	.0001675	.0162138	-.003795	-.009402	-.007883	.0145950

Elem	Sr4077
Units	ppm
Avg	-.000011
Stddev	.000057
%RSD	525.9545
#1	-.000062
#2	.000050
#3	-.000021

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3448.972	34336.52	2632.106	2123.363	5140.442
Stddev	4.471	216.55	35.803	3.566	8.571
%RSD	.1296220	.6306762	1.360233	.1679306	.1667301
#1	3453.348	34397.89	2590.812	2126.220	5137.350
#2	3449.158	34095.90	2654.470	2119.367	5150.129
#3	3444.412	34515.76	2651.036	2124.501	5133.846

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06MS Acquired: 7/9/2025 17:59:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.000263**	**1.968101**	k **1.247784**	**1.717196**	**.3020101**	^ *****	^ *****
Stddev	.033200	.016035	.020970	.072945	.0024401	-----	-----
%RSD	3.319084	.8147208	1.680544	4.247899	.8079380	-----	-----
#1	.962705	1.950324	1.226525	1.635728	.2992759	227.3713	.7314754
#2	1.025693	1.972507	1.268452	1.776453	.3027880	223.5490	.7308404
#3	1.012391	1.981471	k 1.248376	1.739408	.3039663	^ -----	^ -----

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2079161**	**.2051980**	**11.31578**	**.6521788**	**.2926140**	**.4203653**	**462.0903**
Stddev	.0216128	.0015990	.04507	.0039411	.0014556	.0464940	74.2868
%RSD	10.39497	.7792637	.3983275	.6042939	.4974390	11.06038	16.07626
#1	.1874044	.2048253	11.35690	.6564502	.2914057	.3753074	384.3147
#2	.2304832	.2038183	11.32286	.6514029	.2922065	.4681733	532.3109
#3	.2058608	.2069505	11.26759	.6486834	.2942300	.4176151	469.6452

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.532638**	**17.15492**	**.6632999**	**.0641994**	**9.077588**	**.8962476**	**.5142782**
Stddev	.005897	.05027	.0033007	.0154705	1.425121	.0043926	.0011358
%RSD	.3847838	.2930417	.4976185	24.09754	15.69934	.4901104	.2208504
#1	1.537859	17.18229	.6596150	.0482022	7.810200	.9012576	.5130997
#2	1.526241	17.09691	.6642991	.0790830	10.62027	.8930571	.5153658
#3	1.533814	17.18557	.6659855	.0653129	8.80229	.8944282	.5143690

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.43462**	**14.38461**	**.4010762**	**.3050891**	**2.210550**	**10.93145**	**.7393933**
Stddev	1.56115	.35708	.0665195	.0008307	.063805	1.23223	.0097873
%RSD	6.661739	2.482360	16.58525	.2722889	2.886392	11.27234	1.323694
#1	22.62505	13.97246	.3302263	.3042602	2.136875	9.78909	.7294353
#2	25.23426	14.60077	.4621928	.3059216	2.247070	12.23724	.7397441
#3	22.44453	14.58059	.4108094	.3050853	2.247706	10.76803	.7490005

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06MS Acquired: 7/9/2025 17:59:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**3.765177**	**.2777824**	**.2438337**
Stddev	.009855	.0199966	.0007545
%RSD	.2617456	7.198666	.3094498
#1	3.776271	.2954987	.2441939
#2	3.757436	.2560999	.2429666
#3	3.761824	.2817485	.2443407

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3862.018**	**38709.08**	**2779.541**	**2527.408**	**4083.949**
Stddev	109.195	438.68	308.168	3.409	122.187
%RSD	2.827414	1.133278	11.08700	.1348766	2.991879
#1	3983.558	39058.28	3081.422	2525.444	4222.601
#2	3772.185	38216.70	2465.449	2531.344	3992.013
#3	3830.311	38852.27	2791.750	2525.435	4037.232

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06MSD Acquired: 7/9/2025 18:03:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9625201**	**1.948755**	k **1.207286**	**1.701649**	**.3021427**	^ *****	**.6846999**
Stddev	.0220566	.015100	.018051	.051535	.0036912	-----	.0041778
%RSD	2.291543	.7748343	1.495178	3.028513	1.221668	-----	.6101699
#1	.9503100	1.949650	k 1.194945	1.660948	.2984132	^ -----	.6799902
#2	.9492686	1.933228	1.198909	1.684404	.3022205	218.7063	.6879592
#3	.9879817	1.963387	1.228004	1.759594	.3057944	215.5511	.6861504

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2130371**	**.2011508**	**9.592064**	**.6367447**	**.2843393**	**.4283373**	**464.0728**
Stddev	.0263164	.0034065	.107625	.0146117	.0012802	.0567697	67.5582
%RSD	12.35296	1.693502	1.122026	2.294748	.4502339	13.25351	14.55767
#1	.1879402	.2045618	9.626305	.6520197	.2856954	.3732993	393.6135
#2	.2107478	.1977488	9.678403	.6353125	.2831517	.4250194	470.3073
#3	.2404234	.2011419	9.471484	.6229018	.2841708	.4866932	528.2977

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.451943**	**16.55045**	**.6487453**	**.0720304**	**9.304182**	**.8752267**	**.4991470**
Stddev	.017764	.08332	.0030211	.0140852	.160742	.0029093	.0022393
%RSD	1.223488	.5034192	.4656794	19.55453	1.727627	.3324076	.4486235
#1	1.446938	16.54295	.6514385	.0579181	9.302197	.8727000	.5016158
#2	1.471673	16.63727	.6454786	.0720849	9.144443	.8784073	.4985787
#3	1.437218	16.47114	.6493190	.0860883	9.465908	.8745726	.4972467

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.02970**	**13.02634**	**.4181074**	**.3082536**	**2.239165**	**11.51020**	**.7255802**
Stddev	14.51250	.24642	.0732099	.0006518	.043837	1.23386	.0118111
%RSD	48.32717	1.891688	17.50982	.2114559	1.957739	10.71972	1.627817
#1	21.40032	12.98043	.3415156	.3078602	2.226433	10.35716	.7264728
#2	21.90400	12.80611	.4254202	.3078946	2.203103	11.36196	.7133481
#3	46.78476	13.29249	.4873865	.3090060	2.287958	12.81149	.7369197

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06MSD Acquired: 7/9/2025 18:03:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.717997	.2742023	.2408153
Stddev	.019925	.0141324	.0005705
%RSD	.5359033	5.154002	.2369111
#1	3.698056	.2902207	.2403766
#2	3.737906	.2688921	.2414603
#3	3.718031	.2634942	.2406090

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3962.438	37966.06	2664.797	2478.168	4250.687
Stddev	62.835	1288.20	249.885	29.753	69.495
%RSD	1.585773	3.393027	9.377258	1.200614	1.634906
#1	4016.109	36545.79	2904.014	2444.771	4293.232
#2	3977.886	38293.36	2684.917	2487.884	4288.337
#3	3893.320	39059.04	2405.461	2501.849	4170.491

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06A Acquired: 7/9/2025 18:08:12 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8928448**	**1.859623**	**1.119780**	**1.618497**	**.6451184**	**177.4121**	**.6785376**
Stddev	.0011211	.006305	.001832	.005518	.0043654	.4203	.0055872
%RSD	.1255637	.3390645	.1636409	.3409449	.6766815	.2369149	.8234191
#1	.8920286	1.860531	1.120488	1.613119	.6491564	177.8910	.6836988
#2	.8941230	1.852913	1.121152	1.624146	.6404864	177.1046	.6793093
#3	.8923827	1.865425	1.117699	1.618225	.6457124	177.2405	.6726046

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1782029**	**.1863369**	**7.951832**	**.6146774**	**.2785067**	**.3378972**	**396.2074**
Stddev	.0010783	.0003299	.059269	.0014671	.0003803	.0023076	4.5567
%RSD	.6050853	.1770171	.7453469	.2386821	.1365635	.6829352	1.150079
#1	.1783877	.1864799	8.003357	.6157382	.2783567	.3380873	395.7862
#2	.1791769	.1859597	7.965077	.6152909	.2782243	.3401038	400.9601
#3	.1770442	.1865711	7.887061	.6130031	.2789392	.3355004	391.8759

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.577968**	**15.56484**	**.6093555**	**.0562055**	**7.241883**	**.8556902**	**.4925456**
Stddev	.011236	.04893	.0012669	.0009255	.029377	.0029264	.0024139
%RSD	.7120284	.3143688	.2079043	1.646580	.4056486	.3419936	.4900818
#1	1.589192	15.60215	.6102178	.0554998	7.238384	.8580106	.4905562
#2	1.577993	15.50944	.6079010	.0558634	7.272852	.8524027	.4918497
#3	1.566720	15.58293	.6099478	.0572534	7.214412	.8566575	.4952310

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.29595**	**11.42242**	**.3645291**	**.3295756**	**1.911651**	**3.922826**	**.6845005**
Stddev	.20460	.01264	.0059924	.0010134	.011514	.018708	.0010756
%RSD	1.255542	.1106760	1.643879	.3074734	.6023012	.4769128	.1571366
#1	16.48112	11.42292	.3632086	.3292260	1.922392	3.922127	.6832934
#2	16.33044	11.40953	.3710716	.3287834	1.899495	3.941875	.6848510
#3	16.07630	11.43480	.3593070	.3307175	1.913065	3.904477	.6853572

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2484-06A Acquired: 7/9/2025 18:08:12 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.982437**	**.2735811**	**.2261566**
Stddev	.005644	.0075166	.0011072
%RSD	.1892447	2.747495	.4895650
#1	2.987796	.2821238	.2271711
#2	2.982969	.2679806	.2263233
#3	2.976546	.2706390	.2249756

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4147.432**	**40193.54**	**3273.190**	**2554.685**	**4556.526**
Stddev	6.022	101.50	15.858	11.626	9.716
%RSD	.1452078	.2525383	.4844726	.4551029	.2132242
#1	4142.401	40078.83	3269.117	2564.009	4547.475
#2	4145.789	40230.08	3259.766	2558.388	4555.311
#3	4154.105	40271.72	3290.687	2541.658	4566.792

Sample Name: Q2487-09 Acquired: 7/9/2025 18:12:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1544855**	**.0079036**	**6.781129**	**.0738085**	**.0634910**	**92.51061**
Stddev	.0063646	.0030383	.025197	.0027666	.0026161	.63074
%RSD	4.119895	38.44160	.3715696	3.748283	4.120465	.6818056
#1	.1473742	.0046048	6.760828	.0747765	.0641614	93.13867
#2	.1596475	.0105872	6.773229	.0759611	.0657067	92.51596
#3	.1564349	.0085188	6.809329	.0706881	.0606049	91.87721

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.930447**	**.0117601**	**.0283482**	**514.5384**	**.2683046**	**.1296770**
Stddev	.018284	.0000765	.0003898	3.7369	.0012588	.0012173
%RSD	.6239233	.6505080	1.374917	.7262707	.4691650	.9387280
#1	2.946414	.0118301	.0280214	518.5261	.2684196	.1287311
#2	2.934426	.0117718	.0282436	513.9721	.2695019	.1292495
#3	2.910502	.0116785	.0287796	511.1169	.2669922	.1310504

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058375**	**393.8595**	**3.808790**	**67.20221**	**.3471684**	**.0107856**
Stddev	.032413	4.9749	.025525	.68166	.0014062	.0021376
%RSD	1.574669	1.263104	.6701499	1.014347	.4050423	19.81916
#1	2.094845	397.8188	3.831090	67.88677	.3470417	.0088293
#2	2.047420	395.4844	3.814330	67.19639	.3458298	.0130672
#3	2.032858	388.2754	3.780951	66.52348	.3486336	.0104603

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.562166**	**.3475476**	**14.70468**	**19.63463**	**8.056808**	**.1803135**
Stddev	.231971	.0111281	.08189	.37304	.046500	.0048380
%RSD	2.425930	3.201884	.5568764	1.899918	.5771508	2.683081
#1	9.829550	.3597423	14.76632	20.02032	8.019445	.1787371
#2	9.442259	.3449575	14.73595	19.60789	8.042094	.1857431
#3	9.414689	.3379430	14.61176	19.27568	8.108885	.1764604

Sample Name: Q2487-09 Acquired: 7/9/2025 18:12:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0479041**	F **102.4824**	**3.326396**	**.4114025**	**5.095078**	**.1405770**
Stddev	.0006724	.4277	.058566	.0015284	.035851	.0025761
%RSD	1.403601	.4173343	1.760639	.3715005	.7036448	1.832512
#1	.0485601	102.2020	3.390372	.4101114	5.130035	.1404660
#2	.0472165	102.2704	3.313390	.4110060	5.096805	.1380582
#3	.0479357	102.9746	3.275427	.4130900	5.058395	.1432068

Elem	Sr4077
Units	ppm
Avg	**3.217843**
Stddev	.021299
%RSD	.6618990
#1	3.237973
#2	3.220016
#3	3.195542

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3482.603**	**33218.38**	**2620.614**	**2132.540**	**3997.410**
Stddev	13.715	224.89	35.264	14.422	10.059
%RSD	.3938252	.6770189	1.345630	.6762877	.2516298
#1	3467.073	33280.22	2586.576	2140.167	3985.797
#2	3487.683	32969.04	2618.279	2115.905	4003.035
#3	3493.054	33405.89	2656.987	2141.547	4003.398

Sample Name: Q2487-10 Acquired: 7/9/2025 18:17:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1369333**	**-.014615**	**2.574023**	**.0805070**	**.0315577**	**144.1649**
Stddev	.0065650	.000637	.020263	.0070483	.0018037	.2553
%RSD	4.794303	4.361227	.7872287	8.754927	5.715459	.1770906
#1	.1443591	-.014659	2.593441	.0870208	.0304798	144.4388
#2	.1345404	-.015229	2.553008	.0730244	.0336399	143.9335
#3	.1319004	-.013956	2.575619	.0814758	.0305533	144.1224

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.900605**	**.0133218**	**.0111064**	**122.4439**	**.3159167**	**.1650698**
Stddev	.010000	.0001105	.0001796	.6852	.0043216	.0006518
%RSD	.5261439	.8297596	1.617184	.5595793	1.367965	.3948489
#1	1.912119	.0134490	.0108991	123.1905	.3137052	.1652086
#2	1.894091	.0132490	.0112140	121.8439	.3208965	.1643598
#3	1.895605	.0132675	.0112062	122.2972	.3131484	.1656410

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.598281**	**282.9223**	**3.417064**	**55.42039**	**.3083833**	**.0062465**
Stddev	.032410	2.9808	.020602	.09920	.0011944	.0004114
%RSD	2.027773	1.053579	.6029062	.1789987	.3873117	6.586082
#1	1.632423	286.3590	3.440314	55.52463	.3097605	.0063437
#2	1.567940	281.0391	3.401081	55.40940	.3076308	.0057952
#3	1.594479	281.3689	3.409796	55.32714	.3077586	.0066006

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.223952**	**.5494054**	**2.566663**	**15.05627**	**12.45484**	**.1551741**
Stddev	.110268	.0028707	.006857	.14465	.08568	.0030370
%RSD	3.420285	.5225072	.2671509	.9607456	.6879104	1.957174
#1	3.163577	.5473159	2.571907	14.94938	12.53499	.1583566
#2	3.351223	.5482217	2.569178	14.99856	12.36454	.1523072
#3	3.157055	.5526787	2.558904	15.22087	12.46498	.1548585

Sample Name: Q2487-10 Acquired: 7/9/2025 18:17:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033626	F 58.26256	3.008993	.1562805	4.546233	.1881060
Stddev	.0004219	.39134	.044308	.0015631	.023506	.0023736
%RSD	12.54672	.6716897	1.472503	1.000190	.5170436	1.261845
#1	.0030280	58.52505	3.058585	.1575296	4.565940	.1908178
#2	.0032231	57.81277	2.973305	.1545276	4.520216	.1870944
#3	.0038365	58.44988	2.995091	.1567842	4.552543	.1864058

Elem	Sr4077
Units	ppm
Avg	.7165786
Stddev	.0029903
%RSD	.4173048
#1	.7199551
#2	.7142646
#3	.7155160

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4125.866	39755.70	3178.099	2546.658	4414.215
Stddev	14.209	455.44	42.052	18.538	7.349
%RSD	.3443903	1.145593	1.323195	.7279472	.1664822
#1	4119.551	39984.28	3131.757	2530.095	4406.402
#2	4115.909	39231.25	3188.710	2543.195	4415.256
#3	4142.137	40051.58	3213.829	2566.683	4420.988

Sample Name: Q2487-11 Acquired: 7/9/2025 18:21:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2902046**	**.0120872**	**41.02504**	**.1475280**	**.2176559**	**115.6633**
Stddev	.0041414	.0010012	.19076	.0106756	.0015803	.6287
%RSD	1.427072	8.283364	.4649818	7.236307	.7260389	.5435887
#1	.2949053	.0110149	40.90428	.1575118	.2159554	115.0048
#2	.2870931	.0129976	40.92589	.1362742	.2179332	116.2573
#3	.2886155	.0122490	41.24496	.1487979	.2190792	115.7279

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.14512**	**.0242986**	**.0828402**	**647.6887**	**1.745958**	**.9087114**
Stddev	.44582	.0008874	.0011821	.6129	.005293	.0037446
%RSD	2.456975	3.652001	1.426921	.0946247	.3031798	.4120798
#1	18.65437	.0252676	.0814864	647.7242	1.747596	.9069093
#2	17.95574	.0241026	.0833660	647.0589	1.750239	.9062085
#3	17.82526	.0235256	.0836680	648.2831	1.740039	.9130163

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.64992**	**906.0821**	**7.434322**	**109.4729**	**.8149442**	**-.016436**
Stddev	.29406	20.0821	.016623	.7109	.0033460	.003717
%RSD	2.154301	2.216364	.2235990	.6494262	.4105800	22.61171
#1	13.98264	928.1068	7.452997	108.7167	.8132430	-.012493
#2	13.42485	888.7868	7.421143	109.5742	.8127906	-.019874
#3	13.54227	901.3527	7.428827	110.1277	.8187990	-.016942

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.34041**	**.5492972**	F **74.94487**	**24.14440**	**8.101185**	**.8044050**
Stddev	.41864	.0071655	.48019	.59453	.030279	.0184798
%RSD	1.873916	1.304478	.6407302	2.462378	.3737580	2.297331
#1	22.81594	.5448754	75.36598	24.81151	8.083934	.8242202
#2	22.02743	.5575644	75.04669	23.67055	8.083474	.7876401
#3	22.17784	.5454516	74.42193	23.95115	8.136147	.8013548

Sample Name: Q2487-11 Acquired: 7/9/2025 18:21:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.432692	F 43.32845	F 23.43491	11.58724	5.583507	.1853867
Stddev	.000389	.16811	.38858	.04558	.020835	.0085207
%RSD	.0271490	.3880007	1.658110	.3933950	.3731598	4.596156
#1	1.432641	43.23838	23.88222	11.55239	5.570285	.1756484
#2	1.433105	43.22455	23.18082	11.57051	5.572710	.1890407
#3	1.432332	43.52240	23.24169	11.63883	5.607525	.1914709

Elem	Sr4077
Units	ppm
Avg	2.795474
Stddev	.005957
%RSD	.2130791
#1	2.792230
#2	2.791844
#3	2.802348

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3362.533	32878.86	2717.805	2070.755	3998.271
Stddev	14.419	154.74	61.292	15.451	10.897
%RSD	.4288170	.4706453	2.255214	.7461387	.2725437
#1	3364.955	32705.25	2647.146	2054.625	4010.488
#2	3347.056	32929.08	2756.635	2072.219	3989.553
#3	3375.588	33002.26	2749.633	2085.423	3994.773

Sample Name: Q2487-12 Acquired: 7/9/2025 18:26:36 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1267692**	**-.010927**	**11.11451**	**.0978579**	**.0471495**	**125.3499**
Stddev	.0047210	.002470	.05955	.0174680	.0029628	.4311
%RSD	3.724069	22.60027	.5357532	17.85033	6.283761	.3439111
#1	.1258111	-.013763	11.06469	.0960536	.0486005	125.8433
#2	.1318957	-.009771	11.09837	.1161580	.0437409	125.0464
#3	.1226007	-.009248	11.18046	.0813621	.0491070	125.1600

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.806252**	**.0141206**	**.0067977**	**147.1989**	**.4093344**	**.2315356**
Stddev	.016133	.0011076	.0015528	.8786	.0022553	.0006986
%RSD	.5749036	7.843945	22.84343	.5968598	.5509781	.3017112
#1	2.816766	.0141886	.0069955	147.3634	.4109365	.2308875
#2	2.814312	.0151927	.0051554	147.9836	.4067553	.2314437
#3	2.787676	.0129806	.0082422	146.2497	.4103114	.2322756

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.703350**	**413.2912**	**5.277437**	**67.93560**	**.3700773**	**.0117556**
Stddev	.134772	33.4209	.024140	.31672	.0001761	.0070164
%RSD	7.912185	8.086537	.4574195	.4662103	.0475915	59.68585
#1	1.675482	410.5746	5.293905	68.22841	.3700581	.0114727
#2	1.849877	447.9876	5.288680	67.97895	.3699115	.0189092
#3	1.584690	381.3115	5.249726	67.59943	.3702622	.0048849

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.793413**	**.4877852**	**8.904695**	**16.80673**	**11.03635**	**.2013633**
Stddev	.361766	.0121345	.054372	1.83086	.06177	.0184512
%RSD	9.536698	2.487674	.6105938	10.89363	.5596923	9.163125
#1	3.716838	.4844966	8.855413	16.15012	10.98283	.2083172
#2	4.187337	.4776339	8.895650	18.87536	11.02228	.2153271
#3	3.476065	.5012250	8.963022	15.39472	11.10394	.1804457

Sample Name: Q2487-12 Acquired: 7/9/2025 18:26:36 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1026042	F 45.02894	7.058022	.9682351	6.342779	.2063799
Stddev	.0004413	.30668	.585592	.0068876	.018036	.0157748
%RSD	.4300751	.6810776	8.296831	.7113540	.2843554	7.643589
#1	.1027061	44.76857	6.945732	.9622292	6.359742	.2197604
#2	.1021209	44.95126	7.691629	.9667231	6.344759	.1889861
#3	.1029856	45.36700	6.536706	.9757531	6.323834	.2103932

Elem	Sr4077
Units	ppm
Avg	.5575421
Stddev	.0022997
%RSD	.4124670
#1	.5588782
#2	.5588614
#3	.5548867

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3990.678	38071.86	2913.365	2463.888	4357.630
Stddev	9.933	173.89	243.324	14.896	2.180
%RSD	.2489142	.4567529	8.351977	.6045563	.0500298
#1	3987.616	38197.63	2953.747	2481.069	4360.147
#2	3982.636	37873.42	2652.376	2456.000	4356.330
#3	4001.782	38144.52	3133.971	2454.595	4356.414

Sample Name: Q2487-13 Acquired: 7/9/2025 18:31:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2553399**	**.0025583**	**19.10088**	**.0423598**	**.0496714**	**103.6669**	**9.302608**
Stddev	.0048791	.0072179	.03309	.0057387	.0024561	.3658	.029121
%RSD	1.910843	282.1394	.1732203	13.54760	4.944593	.3529078	.3130364
#1	.2522746	-.004648	19.08167	.0470043	.0495650	103.2895	9.285527
#2	.2609663	.009788	19.08189	.0441307	.0521790	104.0200	9.286064
#3	.2527788	.002534	19.13909	.0359443	.0472704	103.6911	9.336232

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0097211**	**.0237929**	**620.5160**	**.3531540**	**.1771824**	**4.087898**	**317.7503**
Stddev	.0001644	.0001885	.6721	.0021958	.0010023	.023255	2.9112
%RSD	1.691569	.7921666	.1083124	.6217576	.5657174	.5688653	.9162051
#1	.0095630	.0236521	619.8041	.3514696	.1778210	4.100321	320.5938
#2	.0097091	.0237196	621.1395	.3523550	.1760272	4.102302	317.8813
#3	.0098913	.0240070	620.6044	.3556374	.1776992	4.061070	314.7758

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.811264**	**74.69469**	**.3551621**	**.0070120**	**10.63506**	**.4931658**	**12.59456**
Stddev	.005223	.23208	.0013708	.0006854	.04082	.0069096	.05822
%RSD	.1085563	.3107047	.3859594	9.774112	.3837819	1.401064	.4622321
#1	4.807125	74.49598	.3565472	.0074608	10.62476	.5001214	12.59386
#2	4.809534	74.94975	.3538061	.0073520	10.68004	.4863032	12.53670
#3	4.817132	74.63833	.3551329	.0062231	10.60039	.4930727	12.65312

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.94903**	**11.86410**	**.1706525**	**.0568102**	**15.19041**	**6.317388**	**.8162498**
Stddev	.25116	.02145	.0040305	.0010833	.02057	.031381	.0021578
%RSD	1.325454	.1808208	2.361824	1.906952	.1354335	.4967425	.2643511
#1	18.98095	11.83951	.1751343	.0556118	15.17085	6.322100	.8176046
#2	19.18270	11.87382	.1694977	.0577200	15.21187	6.346147	.8137615
#3	18.68343	11.87898	.1673254	.0570988	15.18851	6.283918	.8173833

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2487-13 Acquired: 7/9/2025 18:31:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.455810**	**.1669764**	**1.933427**
Stddev	.020469	.0040573	.004796
%RSD	.3751863	2.429867	.2480656
#1	5.436012	.1710767	1.928497
#2	5.454527	.1668890	1.933707
#3	5.476891	.1629635	1.938077

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3478.098**	**33735.45**	**2846.637**	**2138.935**	**3970.698**
Stddev	13.326	131.61	14.379	14.407	18.408
%RSD	.3831531	.3901322	.5051262	.6735533	.4635965
#1	3482.893	33725.57	2832.728	2129.089	3975.720
#2	3488.363	33871.72	2845.737	2155.471	3986.074
#3	3463.037	33609.05	2861.444	2132.246	3950.300

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168689TB Acquired: 7/9/2025 18:35:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003946**	**-.007239**	**.0037453**	**.0063833**	**.0040988**	**.0036029**	**.0009043**
Stddev	.003015	.002632	.0000584	.0018711	.0028106	.0402476	.0014879
%RSD	76.41351	36.36445	1.558054	29.31253	68.57222	1117.079	164.5276
#1	-.007408	-.005487	.0037036	.0078062	.0073408	.0356282	.0008536
#2	-.001899	-.010266	.0037205	.0042638	.0026069	-.041576	.0024170
#3	-.002531	-.005963	.0038120	.0070799	.0023487	.016756	-.000558

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003961**	**-.000024**	**-.083934**	**.0017725**	**-.000015**	**.0031584**	**.0091541**
Stddev	.0003928	.000024	.019444	.0017033	.000172	.0025225	.0006341
%RSD	99.17790	98.27768	23.16549	96.09467	1172.959	79.86674	6.927211
#1	-.000050	-.000048	-.103022	-.000040	-.000157	.0007897	.0084219
#2	.000689	-.000024	-.084626	.003340	.000176	.0058107	.0095236
#3	.000550	-.000001	-.064153	.002018	-.000063	.0028748	.0095168

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052480**	**-.037402**	**.0002502**	**.0015013**	**437.5377**	**-.007195**	**.0018760**
Stddev	.0009739	.070261	.0004495	.0016711	29.9053	.009664	.0003183
%RSD	18.55663	187.8519	179.6382	111.3123	6.834908	134.3129	16.96843
#1	.0061800	-.047509	.0001213	.0000198	405.8706	-.006657	.0015179
#2	.0053269	.037365	-.000121	.0011712	441.4455	.002189	.0019830
#3	.0042371	-.102063	.000750	.0033128	465.2969	-.017118	.0021270

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**^ *****	**.0307712**	**-.005726**	**.0004160**	**.0793099**	**.0241913**	**-.013374**
Stddev	-----	.0029656	.001034	.0005880	.0070293	.0027627	.000679
%RSD	-----	9.637598	18.05074	141.3447	8.863107	11.42031	5.078613
#1	.0660155	.0293716	-.004719	.0009857	.0874032	.0239921	-.013217
#2	^ -----	.0287644	-.006784	.0004512	.0757973	.0270482	-.012787
#3	^ -----	.0341776	-.005674	-.000189	.0747291	.0215336	-.014118

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168689TB Acquired: 7/9/2025 18:35:35 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005575	-.022660	.0002903
Stddev	.002731	.013832	.0001425
%RSD	48.98260	61.04184	49.09259
#1	-.006388	-.009583	.0001481
#2	-.007806	-.021257	.0002898
#3	-.002530	-.037140	.0004331

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3109.833	28728.68	2183.009	1871.501	4107.367
Stddev	97.954	3310.09	202.529	199.103	110.065
%RSD	3.149826	11.52191	9.277494	10.63869	2.679691
#1	3001.049	31458.11	2414.536	1998.803	3984.730
#2	3191.050	29681.16	2095.779	1973.643	4197.570
#3	3137.399	25046.78	2038.712	1642.056	4139.802

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2473-02 Acquired: 7/9/2025 18:40:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0921848**	**.0001592**	**2.133709**	**.0251485**	**.0319723**	**112.9899**
Stddev	.0054706	.0013901	.001701	.0078636	.0028753	.6316
%RSD	5.934434	873.2929	.0797173	31.26857	8.993243	.5589978
#1	.0880310	-.001155	2.135582	.0212606	.0287262	112.5707
#2	.0983833	.001615	2.132260	.0341987	.0341994	113.7163
#3	.0901402	.000018	2.133285	.0199862	.0329911	112.6826

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.801471**	**.0087849**	**.0041047**	**546.9833**	**.2988746**	**.1413658**
Stddev	.009479	.0003064	.0002558	2.0041	.0020217	.0005034
%RSD	.5261560	3.487929	6.232765	.3663888	.6764351	.3561154
#1	1.793505	.0086821	.0039198	546.0827	.3008984	.1418623
#2	1.811954	.0091295	.0039976	549.2797	.2968550	.1408557
#3	1.798955	.0085432	.0043967	545.5876	.2988705	.1413794

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5647707**	**225.4374**	**4.332342**	**82.00075**	**.3402425**	**.0031034**
Stddev	.0106924	4.7514	.023175	.67326	.0016406	.0003059
%RSD	1.893233	2.107618	.5349354	.8210461	.4821830	9.857180
#1	.5708466	227.1821	4.319795	81.57836	.3419854	.0034522
#2	.5710409	229.0698	4.359085	82.77716	.3387282	.0029777
#3	.5524247	220.0604	4.318145	81.64672	.3400139	.0028804

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.934300**	**.4215693**	**1.865986**	**21.67036**	**8.248871**	**.1137002**
Stddev	.085000	.0102074	.007046	.46721	.011012	.0050483
%RSD	1.722636	2.421287	.3776248	2.156000	.1335010	4.439977
#1	4.968546	.4210259	1.862003	21.65129	8.257185	.1124940
#2	4.996835	.4320376	1.861833	22.14682	8.236381	.1192423
#3	4.837519	.4116445	1.874122	21.21298	8.253046	.1093643

Sample Name: Q2473-02 Acquired: 7/9/2025 18:40:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001651	19.55637	F 27.81729	.1095074	5.806477	.1728098
Stddev	.000558	.02379	.53179	.0014804	.023264	.0046715
%RSD	33.80437	.1216328	1.911741	1.351896	.4006632	2.703267
#1	-.002122	19.58374	28.08978	.1094393	5.789450	.1767344
#2	-.001797	19.54468	28.15760	.1080622	5.832985	.1740523
#3	-.001035	19.54069	27.20447	.1110207	5.796997	.1676426

Elem	Sr4077
Units	ppm
Avg	1.337631
Stddev	.007072
%RSD	.5286923
#1	1.332841
#2	1.345753
#3	1.334299

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3538.826	34328.52	2874.225	2184.713	4009.167
Stddev	16.790	176.34	43.603	13.789	17.776
%RSD	.4744382	.5136882	1.517050	.6311374	.4433904
#1	3552.534	34288.04	2851.452	2190.286	4023.683
#2	3543.843	34521.58	2846.723	2194.843	4014.477
#3	3520.099	34175.94	2924.500	2169.011	3989.341

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV08 Acquired: 7/9/2025 18:54:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.699800**	**5.010255**	**4.782595**	**4.970222**	**4.930418**	**9.886377**	**10.35560**
Stddev	.014743	.014672	.006785	.012909	.009193	.029069	.04276
%RSD	.3137028	.2928314	.1418585	.2597243	.1864543	.2940326	.4129561
#1	4.700145	5.003299	4.780477	4.955316	4.919891	9.912899	10.32030
#2	4.684888	5.000356	4.777121	4.977740	4.934505	9.890934	10.40315
#3	4.714368	5.027111	4.790185	4.977609	4.936860	9.855299	10.34333

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2551714**	**2.401554**	**25.07405**	**.9656381**	**2.340883**	**1.250674**	**5.016660**
Stddev	.0023388	.005803	.03558	.0030821	.005745	.015199	.053230
%RSD	.9165579	.2416180	.1419152	.3191810	.2454160	1.215282	1.061063
#1	.2544527	2.398981	25.03524	.9691819	2.338932	1.248912	5.006966
#2	.2577852	2.397484	25.10515	.9641494	2.336368	1.266677	5.074071
#3	.2532763	2.408199	25.08174	.9635828	2.347350	1.236432	4.968943

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.518093**	**24.34505**	**2.366077**	**1.220975**	**23.58462**	**2.514176**	**2.493552**
Stddev	.012172	.17749	.005394	.004679	.28799	.017266	.011725
%RSD	.4833691	.7290636	.2279902	.3831816	1.221083	.6867398	.4702076
#1	2.515835	24.14056	2.363275	1.224056	23.50887	2.521178	2.485268
#2	2.531235	24.45919	2.362659	1.223276	23.90291	2.526840	2.506968
#3	2.507208	24.43540	2.372295	1.215591	23.34208	2.494509	2.488420

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.50357**	**5.162509**	**5.090466**	**5.074341**	**4.758869**	**5.208793**	**4.886144**
Stddev	.19124	.012204	.061453	.003646	.005349	.060275	.012536
%RSD	.8136485	.2363999	1.207218	.0718474	.1123938	1.157170	.2565578
#1	23.30252	5.149416	5.078886	5.070613	4.752750	5.191417	4.881188
#2	23.68318	5.164542	5.156885	5.074512	4.761204	5.275847	4.876843
#3	23.52500	5.173569	5.035627	5.077898	4.762653	5.159116	4.900400

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV08 Acquired: 7/9/2025 18:54:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.123029**	**5.064412**	**5.115747**
Stddev	.019609	.020920	.015393
%RSD	.3827666	.4130795	.3008868
#1	5.100391	5.040623	5.102560
#2	5.134771	5.079941	5.132661
#3	5.133924	5.072673	5.112018

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3328.102**	**33096.74**	**2593.184**	**2049.265**	**4513.459**
Stddev	7.196	150.08	16.075	7.495	10.829
%RSD	.2162062	.4534566	.6198820	.3657537	.2399183
#1	3319.879	33123.51	2605.055	2057.077	4504.114
#2	3333.241	33231.64	2574.891	2048.583	4525.327
#3	3331.187	32935.08	2599.606	2042.133	4510.938

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB08 Acquired: 7/9/2025 18:58:46 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001594**	**.0002875**	**.0033649**	**.0045634**	**-.001854**	**.0444594**
Stddev	.001274	.0005747	.0020780	.0029938	.001094	.0036678
%RSD	79.93263	199.8794	61.75614	65.60440	59.00623	8.249769
#1	-.001639	-.000168	.0014050	.0063472	-.001260	.0477860
#2	-.000298	.000097	.0031460	.0062360	-.001186	.0450661
#3	-.002844	.000933	.0055437	.0011071	-.003117	.0405260

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006953**	**.0000530**	**.0000068**	**-.044457**	**.0001638**	**.0002563**
Stddev	.0011488	.0001091	.0000461	.020088	.0006365	.0001211
%RSD	165.2047	205.8412	681.1646	45.18434	388.5154	47.25312
#1	.0007549	.0001615	-.000014	-.022112	-.000012	.0003915
#2	.0018132	.0000541	.000060	-.050241	.000870	.0002198
#3	-.000482	-.000057	-.000025	-.061018	-.000366	.0001577

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017331**	**.0026187**	**.0009138**	**-.013916**	**.0006069**	**.0029553**
Stddev	.0006519	.0034233	.0015642	.051304	.0006171	.0012963
%RSD	37.61043	130.7240	171.1790	368.6690	101.6800	43.86137
#1	.0010383	-.001147	.0001209	.036523	.0010094	.0016758
#2	.0018300	.005542	-.000095	-.012228	-.000104	.0042677
#3	.0023312	.003462	.002716	-.066043	.000915	.0029225

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005611**	**-.004523**	**.0008960**	**.0090664**	**.0019485**	F **.0141646**
Stddev	.016403	.003237	.0006392	.0016338	.0028161	.0012260
%RSD	292.3614	71.56598	71.33326	18.02032	144.5262	8.655468
#1	-.022188	-.001115	.0011303	.0107089	.0047112	.0148052
#2	-.005257	-.004898	.0013850	.0090488	.0020526	.0127510
#3	.010613	-.007555	.0001728	.0074415	-.000918	.0149375

Sample Name: CCB08 Acquired: 7/9/2025 18:58:46 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001825**	**.0038569**	**-.003518**	**-.008271**	**-.006805**	**.0151252**
Stddev	.0005573	.0011793	.001790	.001031	.006679	.0019085
%RSD	305.2918	30.57582	50.88168	12.46931	98.15333	12.61818
#1	.0000013	.0051668	-.004415	-.007883	-.013525	.0139832
#2	.0008079	.0035240	-.001457	-.007490	-.006722	.0173285
#3	-.000262	.0028798	-.004682	-.009440	-.000167	.0140640

Elem	Sr4077
Units	ppm
Avg	**-.000056**
Stddev	.000152
%RSD	271.0329
#1	-.000189
#2	.000109
#3	-.000089

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3348.957**	**33401.18**	**2546.751**	**2058.280**	**5010.928**
Stddev	3.509	227.53	11.566	1.023	4.322
%RSD	.1047876	.6812167	.4541429	.0496933	.0862567
#1	3348.787	33232.03	2557.548	2057.282	5015.875
#2	3352.548	33659.86	2534.546	2059.326	5007.883
#3	3345.536	33311.65	2548.158	2058.232	5009.025

Sample Name: Q2487-16 Acquired: 7/9/2025 19:03:15 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4982760**	**.0136779**	**32.19862**	**.1317794**	**.0394923**	**120.9030**
Stddev	.0032804	.0058286	.07199	.0064781	.0045047	.1738
%RSD	.6583452	42.61346	.2235817	4.915839	11.40653	.1437623
#1	.5007639	.0189385	32.28171	.1387437	.0355875	120.9280
#2	.4995056	.0146831	32.15940	.1306615	.0384687	120.7181
#3	.4945585	.0074120	32.15476	.1259331	.0444207	121.0630

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.66444**	**.0236137**	**.0863300**	**640.2007**	**2.455768**	**1.024098**
Stddev	.03980	.0002281	.0000881	1.5172	.005733	.001641
%RSD	.3142397	.9658588	.1020947	.2369804	.2334394	.1602158
#1	12.67064	.0234303	.0862786	640.7179	2.461181	1.025894
#2	12.62192	.0235416	.0862796	638.4925	2.449762	1.022678
#3	12.70078	.0238691	.0864318	641.3916	2.456362	1.023723

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.08621**	**852.0115**	**8.169077**	**84.36588**	**.5732348**	**-.030414**
Stddev	.05569	9.8614	.041759	.33959	.0012483	.002237
%RSD	.4607566	1.157429	.5111795	.4025214	.2177704	7.354678
#1	12.13664	863.1466	8.174754	84.66160	.5742839	-.028846
#2	12.02645	848.5068	8.124771	84.44104	.5718542	-.029421
#3	12.09555	844.3812	8.207707	83.99501	.5735664	-.032976

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.35639**	**.4929371**	F **77.45123**	**21.37173**	**12.47450**	**.4646250**
Stddev	.08994	.0215462	.70033	.15004	.03767	.0130376
%RSD	.6733745	4.370980	.9042229	.7020709	.3019469	2.806052
#1	13.45831	.4680872	77.46006	21.42755	12.51732	.4761160
#2	13.28814	.5064114	78.14710	21.20178	12.44648	.4673027
#3	13.32274	.5043125	76.74652	21.48587	12.45970	.4504565

Sample Name: Q2487-16 Acquired: 7/9/2025 19:03:15 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.225194	F 120.1039	F 26.96132	11.86449	5.961247	.1575643
Stddev	.003915	.2006	.14685	.02431	.023326	.0070466
%RSD	.3195141	.1669809	.5446766	.2048748	.3912964	4.472202
#1	1.228227	120.2400	27.06578	11.89251	5.968882	.1500200
#2	1.220775	119.8736	26.79341	11.85195	5.935060	.1639760
#3	1.226581	120.1981	27.02476	11.84901	5.979798	.1586969

Elem	Sr4077
Units	ppm
Avg	3.295149
Stddev	.008965
%RSD	.2720704
#1	3.298450
#2	3.285001
#3	3.301995

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3403.814	33478.44	2881.408	2091.196	3999.410
Stddev	7.152	40.36	6.801	11.441	3.648
%RSD	.2101120	.1205584	.2360247	.5471210	.0912231
#1	3396.927	33436.89	2875.661	2093.351	3996.809
#2	3403.312	33480.92	2888.916	2078.830	3997.841
#3	3411.204	33517.50	2879.646	2101.407	4003.581

Sample Name: Q2503-01DLX5 Acquired: 7/9/2025 19:08:00 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0626682	.0078179	5.142353	.0184607	.0163863	44.77757
Stddev	.0029830	.0010858	.037910	.0055910	.0037653	.13342
%RSD	4.759992	13.88851	.7372180	30.28605	22.97857	.2979692
#1	.0623328	.0082622	5.099209	.0224410	.0207231	44.65765
#2	.0658048	.0065805	5.157510	.0120686	.0144856	44.75377
#3	.0598671	.0086112	5.170341	.0208726	.0139501	44.92129

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.826495	.0048684	.0043935	91.91103	.1012489	.0664245
Stddev	.000605	.0000623	.0000387	.07532	.0006907	.0008952
%RSD	.0331425	1.280149	.8800508	.0819518	.6821833	1.347704
#1	1.826451	.0048245	.0043712	91.86186	.1013682	.0655067
#2	1.827122	.0048409	.0044381	91.87350	.1018721	.0672952
#3	1.825914	.0049397	.0043711	91.99775	.1005063	.0664716

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.390791	86.82675	1.433505	7.461488	.2205053	.0099170
Stddev	.004646	.42251	.004671	.076609	.0007189	.0019258
%RSD	.3340696	.4866140	.3258387	1.026732	.3260270	19.41887
#1	1.385970	86.54753	1.428793	7.405372	.2198326	.0105017
#2	1.395240	86.61989	1.433588	7.548768	.2204205	.0077666
#3	1.391163	87.31283	1.438134	7.430324	.2212629	.0114825

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.297272	.1996362	4.663760	6.763578	8.780623	.0916433
Stddev	.012470	.0055864	.041060	.004294	.053269	.0016034
%RSD	.1502943	2.798312	.8804128	.0634916	.6066658	1.749625
#1	8.285950	.2053556	4.647656	6.758640	8.720675	.0903482
#2	8.295227	.1941929	4.633193	6.765653	8.798673	.0911451
#3	8.310638	.1993601	4.710432	6.766440	8.822523	.0934367

Sample Name: Q2503-01DLX5 Acquired: 7/9/2025 19:08:00 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0097482**	**4.983343**	F **26.71354**	**.0586143**	**.6563488**	**.1250109**
Stddev	.0002747	.028474	.07991	.0008485	.0025893	.0032306
%RSD	2.818113	.5713811	.2991181	1.447571	.3944990	2.584242
#1	.0094511	4.951432	26.62179	.0589992	.6534410	.1260745
#2	.0098006	4.992443	26.76790	.0592020	.6572003	.1275757
#3	.0099930	5.006155	26.75092	.0576415	.6584052	.1213827

Elem	Sr4077
Units	ppm
Avg	**.7945190**
Stddev	.0004830
%RSD	.0607935
#1	.7939759
#2	.7946806
#3	.7949005

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3584.929**	**35550.87**	**2815.189**	**2227.548**	**4552.415**
Stddev	6.249	172.82	12.918	20.119	10.537
%RSD	.1743238	.4861330	.4588740	.9031978	.2314577
#1	3592.067	35606.95	2825.103	2234.141	4563.377
#2	3580.442	35688.68	2819.884	2243.544	4551.505
#3	3582.278	35356.97	2800.580	2204.960	4542.362

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168740BL Acquired: 7/9/2025 19:12:25 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006025**	**.0001289**	**.0042036**	**-.000586**	**-.001284**	**-.005638**	**.0010119**
Stddev	.0029170	.0007857	.0006820	.003530	.001460	.012400	.0005841
%RSD	484.1084	609.5252	16.22451	602.3140	113.7212	219.9472	57.72510
#1	.0039321	-.000339	.0047137	.003485	-.002543	.008643	.0003675
#2	-.001503	.001036	.0034289	-.002439	.000316	-.011884	.0011616
#3	-.000621	-.000310	.0044681	-.002804	-.001625	-.013673	.0015066

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000936**	**-.000100**	**-.011450**	**.0000740**	**.0003037**	**.0009378**	**.0027733**
Stddev	.0002103	.000044	.008664	.0003119	.0002249	.0010022	.0027379
%RSD	224.7204	43.65184	75.67053	421.5128	74.03560	106.8677	98.72616
#1	.0002735	-.000051	-.009090	.0001858	.0002296	.0003269	.0022956
#2	.0001449	-.000113	-.004210	-.000278	.0005563	.0003921	.0003056
#3	-.000138	-.000136	-.021049	.000315	.0001253	.0020943	.0057186

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015387**	**-.040654**	**-.000036**	**.0007041**	**-.014557**	**-.005937**	**.0032358**
Stddev	.0021889	.085256	.000539	.0012020	.014438	.004022	.0004606
%RSD	142.2615	209.7101	1517.320	170.7004	99.18194	67.74009	14.23509
#1	.0038427	-.008141	.000540	-.000653	-.011449	-.010100	.0036903
#2	-.000513	-.137383	-.000120	.001131	-.001926	-.005635	.0027693
#3	.001287	.023562	-.000527	.001635	-.030296	-.002074	.0032480

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0081022**	**.0002269**	**-.002041**	**.0002960**	**.0146830**	**-.000714**	**-.008430**
Stddev	.0014701	.0019333	.000358	.0000347	.0038878	.002199	.001230
%RSD	18.14398	851.9108	17.53403	11.73258	26.47830	308.1090	14.59160
#1	.0081367	-.001251	-.002416	.0002959	.0187891	.001744	-.008448
#2	.0066152	.002415	-.001704	.0003308	.0142016	-.002496	-.007191
#3	.0095547	-.000483	-.002004	.0002613	.0110583	-.001389	-.009651

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168740BL Acquired: 7/9/2025 19:12:25 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003748	.0087227	-.000035
Stddev	.006296	.0073106	.000275
%RSD	167.9856	83.81078	782.8308
#1	-.004291	.0136165	-.000309
#2	-.009755	.0003191	.000241
#3	.002802	.0122327	-.000038

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3441.538	34633.39	2638.400	2137.202	5124.627
Stddev	9.472	182.55	15.863	23.174	5.378
%RSD	.2752149	.5270985	.6012174	1.084321	.1049531
#1	3451.119	34809.41	2632.442	2163.952	5130.434
#2	3441.314	34645.84	2626.379	2124.425	5123.631
#3	3432.180	34444.94	2656.379	2123.228	5119.816

Sample Name: PB168740BS Acquired: 7/9/2025 19:16:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6507392**	**1.918902**	**.8723017**	**1.880737**	**.7670042**	**1.884539**	**.1984276**
Stddev	.0030383	.006676	.0006014	.005918	.0009776	.017864	.0026273
%RSD	.4668942	.3479266	.0689411	.3146508	.1274534	.9479128	1.324068
#1	.6479436	1.926611	.8717764	1.885164	.7677153	1.879487	.2013802
#2	.6503014	1.915137	.8729577	1.874016	.7674078	1.904385	.1975550
#3	.6539726	1.914959	.8721711	1.883031	.7658894	1.869746	.1963477

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1984054**	**.1749200**	**.9681519**	**.3700823**	**.1748407**	**.3049141**	**3.098726**
Stddev	.0049869	.0003509	.0145341	.0010516	.0003178	.0072054	.071527
%RSD	2.513496	.2006241	1.501220	.2841406	.1817576	2.363080	2.308276
#1	.2035853	.1751897	.9763580	.3712647	.1746406	.3117551	3.175196
#2	.1979938	.1745233	.9767271	.3697299	.1746745	.3055946	3.087517
#3	.1936370	.1750471	.9513708	.3692521	.1752072	.2973927	3.033465

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1983423**	**1.924072**	**.4455676**	**.0686458**	**2.555342**	**.2730629**	**.1971109**
Stddev	.0016476	.008482	.0007070	.0003627	.076041	.0126995	.0012803
%RSD	.8307041	.4408153	.1586706	.5283257	2.975777	4.650747	.6495108
#1	.1996016	1.930462	.4463799	.0682694	2.623238	.2829781	.1984650
#2	.1989478	1.927304	.4450905	.0689929	2.569612	.2587489	.1959202
#3	.1964776	1.914449	.4452326	.0686751	2.473177	.2774618	.1969476

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.740575**	**5.507840**	**.2835765**	**.3939007**	**.0125677**	**.8907515**	**.6314899**
Stddev	.169229	.016311	.0056299	.0003438	.0048059	.0232552	.0029824
%RSD	2.186257	.2961454	1.985317	.0872930	38.24034	2.610744	.4722790
#1	7.920454	5.524813	.2889129	.3942924	.0165946	.9122423	.6336820
#2	7.716749	5.492283	.2841234	.3937609	.0138611	.8939494	.6280937
#3	7.584522	5.506424	.2776931	.3936487	.0072474	.8660628	.6326942

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: PB168740BS Acquired: 7/9/2025 19:16:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**.1914944**	**.2246713**	**.1985478**
Stddev	.0010190	.0107865	.0021105
%RSD	.5321403	4.801005	1.062982
#1	.1905879	.2371137	.2003602
#2	.1912980	.2179630	.1990525
#3	.1925974	.2189371	.1962307

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3423.068**	**34333.10**	**2662.916**	**2122.381**	**4974.587**
Stddev	11.427	252.36	47.156	15.987	8.700
%RSD	.3338183	.7350390	1.770852	.7532747	.1748927
#1	3420.513	34620.87	2617.779	2139.838	4968.519
#2	3413.135	34228.89	2659.109	2118.851	4970.687
#3	3435.556	34149.52	2711.861	2108.453	4984.555

Sample Name: Q2503-05 Acquired: 7/9/2025 19:21:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2551406**	**-.004247**	**6.848828**	**.0613082**	**.0485640**	**57.45652**
Stddev	.0054667	.001662	.112651	.0050553	.0011137	.44353
%RSD	2.142631	39.12906	1.644817	8.245647	2.293181	.7719475
#1	.2494368	-.003947	6.721931	.0623095	.0479149	57.48597
#2	.2603345	-.006038	6.937035	.0657878	.0498500	57.88459
#3	.2556505	-.002755	6.887518	.0558272	.0479272	56.99899

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.400983**	**.0088518**	**.0076004**	**139.8172**	**.2170170**	**.1335241**
Stddev	.031816	.0002025	.0003949	.9228	.0010904	.0010314
%RSD	.9354818	2.287779	5.196361	.6599849	.5024339	.7724675
#1	3.407868	.0088557	.0072557	139.9324	.2180792	.1324925
#2	3.428793	.0090523	.0075143	140.6769	.2159005	.1335244
#3	3.366289	.0086473	.0080314	138.8422	.2170713	.1345554

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.30250**	**232.5646**	**2.511262**	**8.289435**	**.3308569**	**.4212239**
Stddev	1.16412	3.1438	.022600	.079248	.0023771	.0016703
%RSD	2.461007	1.351797	.8999507	.9560122	.7184580	.3965462
#1	48.54918	234.3178	2.515669	8.356898	.3282468	.4231248
#2	47.11449	234.4410	2.531334	8.309245	.3328975	.4205566
#3	46.24383	228.9352	2.486783	8.202161	.3314263	.4199904

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.456402**	**.5758872**	**10.80644**	**7.092221**	F **30.94958**	**.1070605**
Stddev	.042833	.0048300	.04834	.075269	.51231	.0016953
%RSD	1.239237	.8387060	.4473530	1.061288	1.655304	1.583478
#1	3.468247	.5792487	10.85062	7.088119	30.38537	.1088573
#2	3.492067	.5703523	10.81389	7.169457	31.38568	.1068350
#3	3.408894	.5780606	10.75480	7.019087	31.07769	.1054893

Sample Name: Q2503-05 Acquired: 7/9/2025 19:21:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0672322	3.537359	2.848869	2.254723	1.254087	.1009330
Stddev	.0003324	.049650	.055513	.033309	.006925	.0041166
%RSD	.4943567	1.403604	1.948585	1.477301	.5522122	4.078498
#1	.0672342	3.483609	2.890138	2.217937	1.260009	.0977570
#2	.0668988	3.581507	2.870712	2.282841	1.255780	.1055838
#3	.0675636	3.546960	2.785758	2.263390	1.246472	.0994582

Elem	Sr4077
Units	ppm
Avg	1.462317
Stddev	.011898
%RSD	.8136249
#1	1.465178
#2	1.472522
#3	1.449249

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3579.252	35693.01	2893.796	2200.876	4339.718
Stddev	10.793	145.58	30.300	3.433	13.857
%RSD	.3015324	.4078740	1.047073	.1559667	.3193147
#1	3566.790	35757.78	2876.380	2197.183	4345.846
#2	3585.460	35794.98	2876.224	2203.970	4323.854
#3	3585.506	35526.29	2928.784	2201.476	4349.456

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2513-01 Acquired: 7/9/2025 19:25:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1455582**	**.0081158**	**.6865543**	**.0593641**	**.0249618**	**100.6745**	**1.202550**
Stddev	.0026323	.0023138	.0022721	.0030948	.0030479	.1688	.001203
%RSD	1.808427	28.50927	.3309471	5.213257	12.21006	.1676768	.1000489
#1	.1440600	.0107810	.6842402	.0557906	.0222986	100.6946	1.203885
#2	.1485976	.0066222	.6866407	.0611386	.0243010	100.4965	1.201548
#3	.1440169	.0069442	.6887821	.0611632	.0282858	100.8324	1.202219

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0100479**	**.0006297**	**114.7309**	**.1489082**	**.1423025**	**.6843749**	**277.6854**
Stddev	.0000851	.0000751	.1114	.0005674	.0004142	.0070465	.2540
%RSD	.8472957	11.92304	.0971247	.3810362	.2910581	1.029625	.0914874
#1	.0100509	.0006367	114.7089	.1487923	.1426556	.6810787	277.7207
#2	.0101315	.0005514	114.6321	.1495246	.1418466	.6924654	277.9200
#3	.0099613	.0007010	114.8517	.1484077	.1424054	.6795806	277.4155

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.623290**	**67.64463**	**.2253669**	**.0103391**	**6.194809**	**.3695484**	**2.360084**
Stddev	.029917	.14378	.0010555	.0012457	.073957	.0026192	.017862
%RSD	.3108834	.2125565	.4683654	12.04854	1.193862	.7087496	.7568206
#1	9.652232	67.49005	.2241682	.0100999	6.214613	.3665918	2.339643
#2	9.592485	67.66944	.2257752	.0116871	6.256848	.3715778	2.372688
#3	9.625153	67.77439	.2261573	.0092303	6.112965	.3704757	2.367920

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.064405**	**7.106419**	**.1800207**	**-.000643**	**8.343244**	**4.617729**	**.0619951**
Stddev	.149676	.020975	.0042118	.000432	.010916	.044907	.0009141
%RSD	1.651248	.2951563	2.339631	67.14939	.1308348	.9724954	1.474556
#1	9.215612	7.084533	.1838752	-.000146	8.333047	4.597208	.0626699
#2	9.061295	7.108379	.1755251	-.000861	8.341925	4.669231	.0609547
#3	8.916309	7.126345	.1806617	-.000923	8.354759	4.586749	.0623605

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2513-01 Acquired: 7/9/2025 19:25:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**3.071693**	**.1485250**	**.5899163**
Stddev	.016814	.0097775	.0006823
%RSD	.5473769	6.583048	.1156550
#1	3.090192	.1515850	.5894146
#2	3.057339	.1375835	.5896411
#3	3.067549	.1564065	.5906932

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3776.960**	**36805.41**	**2833.216**	**2315.062**	**4373.111**
Stddev	5.307	129.84	26.764	19.278	13.710
%RSD	.1405051	.3527650	.9446395	.8327136	.3135062
#1	3782.603	36906.88	2852.904	2336.126	4388.888
#2	3772.070	36850.25	2802.742	2310.764	4366.347
#3	3776.206	36659.09	2844.003	2298.296	4364.097

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2513-03 Acquired: 7/9/2025 19:30:12 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0462083**	**-.000116**	**.3474428**	**.0346622**	**.0207184**	**64.21966**	**.4837584**
Stddev	.0033662	.004187	.0073146	.0059799	.0003352	.20504	.0019310
%RSD	7.284742	3613.257	2.105267	17.25188	1.618132	.3192789	.3991767
#1	.0423732	.002743	.3421929	.0333725	.0210803	64.02275	.4816926
#2	.0486735	-.004922	.3557977	.0294325	.0204184	64.43196	.4855181
#3	.0475782	.001832	.3443377	.0411818	.0206564	64.20428	.4840646

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0057775**	**-.000146**	**63.10012**	**.1798678**	**.0900724**	**.2554066**	**194.0653**
Stddev	.0001039	.000204	.17047	.0010886	.0012679	.0001082	.5594
%RSD	1.797433	140.3514	.2701553	.6052234	1.407600	.0423444	.2882686
#1	.0057844	-.000364	62.97188	.1810269	.0887433	.2555161	194.5496
#2	.0058778	.000040	63.29357	.1788671	.0912685	.2552998	194.1934
#3	.0056704	-.000113	63.03491	.1797095	.0902053	.2554039	193.4530

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.372296**	**29.37715**	**.1166814**	**.0064984**	**2.691119**	**.2520847**	**.4507711**
Stddev	.006876	.02687	.0014257	.0001263	.012404	.0029918	.0012511
%RSD	.2898515	.0914698	1.221900	1.943203	.4609132	1.186842	.2775520
#1	2.364948	29.38152	.1153460	.0065153	2.702627	.2500065	.4503073
#2	2.378575	29.40157	.1181829	.0063644	2.677981	.2507337	.4521878
#3	2.373365	29.34836	.1165153	.0066153	2.692749	.2555138	.4498180

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.111365**	**2.830536**	**.1821364**	**-.003193**	**3.276773**	**6.389699**	**.0255737**
Stddev	.043230	.104683	.0032274	.000078	.113520	.044280	.0016464
%RSD	1.051480	3.698361	1.771985	2.456805	3.464371	.6929978	6.437908
#1	4.151446	2.764987	.1839071	-.003126	3.205488	6.424921	.0236735
#2	4.065557	2.951266	.1784112	-.003174	3.407681	6.339989	.0265756
#3	4.117091	2.775355	.1840909	-.003279	3.217150	6.404187	.0264719

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2513-03 Acquired: 7/9/2025 19:30:12 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.889714**	**.0685299**	**.1759342**
Stddev	.014942	.0062182	.0006087
%RSD	.5170654	9.073678	.3459627
#1	2.872599	.0677642	.1754454
#2	2.896386	.0750955	.1766159
#3	2.900158	.0627301	.1757412

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3626.774**	**35863.24**	**2839.746**	**2253.480**	**4520.926**
Stddev	49.899	99.32	9.398	13.800	87.512
%RSD	1.375863	.2769297	.3309450	.6124052	1.935711
#1	3644.336	35907.38	2830.377	2260.789	4568.269
#2	3570.467	35749.50	2849.173	2237.562	4419.942
#3	3665.517	35932.83	2839.689	2262.089	4574.569

Sample Name: Q2514-01 Acquired: 7/9/2025 19:34:36 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1346120**	**-.022305**	**.2384003**	**.1257791**	**.0265109**	**168.0311**	**1.060561**
Stddev	.0030090	.002647	.0038455	.0038685	.0036169	.3217	.003578
%RSD	2.235304	11.86776	1.613059	3.075614	13.64319	.1914780	.3373353
#1	.1319264	-.024762	.2369325	.1294223	.0305923	167.9347	1.057050
#2	.1340456	-.019502	.2427636	.1261959	.0237030	168.3900	1.064202
#3	.1378639	-.022652	.2355049	.1217191	.0252372	167.7686	1.060431

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0157232**	**-.001666**	**3.609464**	**.2283550**	**.0454309**	**.0251581**	**470.1018**
Stddev	.0000973	.000150	.023079	.0007529	.0004679	.0006829	1.2441
%RSD	.6187248	9.019282	.6393923	.3296936	1.029842	2.714543	.2646498
#1	.0156348	-.001499	3.625218	.2274920	.0455218	.0247309	469.0328
#2	.0158274	-.001791	3.582973	.2288776	.0458466	.0259457	471.4675
#3	.0157075	-.001709	3.620200	.2286954	.0449242	.0247977	469.8052

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7667527**	**7.071162**	**.0963862**	**.0038013**	**7.291468**	**.4582267**	**.4343889**
Stddev	.0054101	.125456	.0006914	.0006854	.055441	.0039260	.0011203
%RSD	.7055931	1.774188	.7172840	18.03054	.7603512	.8567736	.2579079
#1	.7703629	7.082140	.0966255	.0041674	7.267978	.4540301	.4336942
#2	.7693629	7.190768	.0969261	.0030106	7.354786	.4618098	.4337912
#3	.7605324	6.940578	.0956070	.0042260	7.251638	.4588403	.4356813

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.192979**	**6.804467**	**.1826224**	**.0017705**	**1.758180**	**4.858614**	**.0067414**
Stddev	.103247	.008720	.0038840	.0002830	.007327	.036835	.0020115
%RSD	1.260183	.1281502	2.126786	15.98143	.4167359	.7581305	29.83810
#1	8.160285	6.814410	.1786676	.0020266	1.752730	4.829753	.0090239
#2	8.308615	6.800866	.1827682	.0014668	1.755302	4.900101	.0052277
#3	8.110038	6.798123	.1864314	.0018182	1.766509	4.845986	.0059727

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-01 Acquired: 7/9/2025 19:34:36 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.491593**	**.0411787**	**.0407970**
Stddev	.012519	.0025086	.0003619
%RSD	.5024420	6.092022	.8871181
#1	2.500890	.0405145	.0410871
#2	2.496531	.0390691	.0409125
#3	2.477359	.0439526	.0403915

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3641.766**	**35446.03**	**2862.489**	**2239.230**	**4549.923**
Stddev	4.469	21.41	13.706	6.807	5.889
%RSD	.1227153	.0604122	.4788242	.3039769	.1294212
#1	3644.870	35465.21	2873.761	2247.077	4550.631
#2	3643.785	35449.96	2847.231	2235.692	4555.426
#3	3636.644	35422.92	2866.475	2234.921	4543.713

Sample Name: Q2514-02 Acquired: 7/9/2025 19:39:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2050248**	**-.040528**	**.2195851**	**.1331316**	**.0322765**	**158.1166**	**.3400230**
Stddev	.0042307	.004357	.0035242	.0059235	.0007067	.6758	.0012467
%RSD	2.063519	10.75169	1.604929	4.449392	2.189572	.4274123	.3666376
#1	.2010207	-.042769	.2156580	.1382255	.0327316	158.8399	.3413430
#2	.2046030	-.035506	.2206252	.1266315	.0326355	157.5014	.3398601
#3	.2094506	-.043309	.2224723	.1345378	.0314623	158.0084	.3388658

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0163410**	**.0002982**	**7.632160**	**.4485209**	**.0498836**	**.0820642**	**504.9977**
Stddev	.0002933	.0002153	.028620	.0009644	.0010458	.0001277	5.5262
%RSD	1.794565	72.20656	.3749910	.2150188	2.096435	.1556015	1.094301
#1	.0162661	.0003788	7.663228	.4483750	.0487537	.0821911	503.9910
#2	.0166645	.0004616	7.626381	.4476378	.0508175	.0820658	500.0440
#3	.0160925	.0000542	7.606870	.4495500	.0500797	.0819357	510.9580

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8759597**	**7.716740**	**.1007078**	**.0033955**	**14.06703**	**.7992148**	**.3283670**
Stddev	.0044092	.100344	.0005933	.0012373	.01892	.0098583	.0007293
%RSD	.5033580	1.300342	.5890815	36.44051	.1344669	1.233497	.2221046
#1	.8724723	7.832174	.1008491	.0033479	14.08882	.8102950	.3283130
#2	.8744910	7.650356	.1000567	.0021827	14.05747	.7959350	.3276661
#3	.8809158	7.667690	.1012177	.0046560	14.05480	.7914145	.3291218

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.703488**	**7.457070**	**.1698861**	**.0069371**	**2.576204**	**1.786633**	**.0088300**
Stddev	.035202	.029065	.0032777	.0005355	.004942	.006859	.0006491
%RSD	.5251305	.3897623	1.929373	7.719575	.1918486	.3838840	7.351083
#1	6.730549	7.442722	.1683601	.0064941	2.581905	1.779416	.0080911
#2	6.716224	7.490519	.1676497	.0075322	2.573584	1.787416	.0093084
#3	6.663690	7.437969	.1736486	.0067852	2.573123	1.793066	.0090905

Sample Name: Q2514-02 Acquired: 7/9/2025 19:39:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.722190**	**.0480664**	**.0518603**
Stddev	.005292	.0025355	.0000923
%RSD	.1944103	5.274934	.1778811
#1	2.722515	.0460539	.0518188
#2	2.716743	.0472312	.0519660
#3	2.727312	.0509141	.0517961

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3883.146**	**37940.93**	**3047.012**	**2388.860**	**4453.186**
Stddev	4.897	291.96	26.680	19.342	8.586
%RSD	.1261153	.7695075	.8756061	.8096941	.1927967
#1	3883.420	37818.70	3051.486	2376.797	4457.583
#2	3878.117	38274.14	3071.173	2411.170	4443.292
#3	3887.900	37729.96	3018.379	2378.612	4458.682

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-03 Acquired: 7/9/2025 19:43:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1931978**	**-.036500**	**.3228651**	**.1346209**	**.0299333**	**195.0115**	**.4772949**
Stddev	.0025506	.002826	.0032050	.0052698	.0028977	.7609	.0063441
%RSD	1.320196	7.741369	.9926700	3.914579	9.680659	.3901657	1.329179
#1	.1955563	-.033661	.3224317	.1318555	.0300744	195.8349	.4846003
#2	.1904909	-.036528	.3198989	.1406979	.0269675	194.8651	.4741128
#3	.1935461	-.039312	.3262647	.1313095	.0327578	194.3344	.4731717

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0166896**	**-.000460**	**2.505054**	**.3592865**	**.0712562**	**.0851926**	**495.6282**
Stddev	.0004103	.000267	.029455	.0005778	.0000563	.0005737	4.4571
%RSD	2.458585	58.02394	1.175837	.1608273	.0789817	.6734436	.8992889
#1	.0168439	-.000745	2.485863	.3588142	.0711914	.0856996	500.5010
#2	.0162244	-.000417	2.490332	.3599308	.0712930	.0853085	494.6261
#3	.0170003	-.000217	2.538968	.3591146	.0712842	.0845698	491.7574

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.074664**	**14.32720**	**.1382570**	**.0013039**	**5.117470**	**.7391138**	**.3966522**
Stddev	.009461	.00916	.0006676	.0008249	.030264	.0237382	.0006013
%RSD	.8804120	.0639263	.4828331	63.26022	.5913776	3.211707	.1515876
#1	1.085579	14.31935	.1390111	.0012100	5.151343	.7664359	.3969518
#2	1.069605	14.32498	.1380182	.0021717	5.093094	.7235478	.3959600
#3	1.068807	14.33726	.1377417	.0005300	5.107973	.7273578	.3970448

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.790188**	**5.198318**	**.1425603**	**.0086225**	**4.060346**	**2.575490**	**.0090373**
Stddev	.154329	.010443	.0020889	.0002204	.001283	.014473	.0011139
%RSD	1.981067	.2008929	1.465284	2.555832	.0315974	.5619548	12.32571
#1	7.898963	5.210364	.1427806	.0084270	4.058895	2.591091	.0091130
#2	7.613557	5.192782	.1445304	.0088614	4.061330	2.562499	.0078875
#3	7.858043	5.191809	.1403700	.0085793	4.060815	2.572880	.0101114

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-03 Acquired: 7/9/2025 19:43:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**3.113691**	**.1198500**	**.0270735**
Stddev	.035848	.0064208	.0005557
%RSD	1.151298	5.357367	2.052451
#1	3.154638	.1150985	.0277128
#2	3.098469	.1172969	.0268020
#3	3.087967	.1271547	.0267059

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3786.317**	**36886.99**	**2976.245**	**2340.026**	**4513.897**
Stddev	3.419	330.55	35.109	16.962	8.080
%RSD	.0903058	.8961204	1.179656	.7248751	.1790116
#1	3785.112	36522.29	2938.654	2321.875	4511.893
#2	3783.663	37166.87	3008.188	2355.475	4507.008
#3	3790.175	36971.81	2981.895	2342.729	4522.791

Sample Name: CCV09 Acquired: 7/9/2025 19:48:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.798991**	**5.116059**	**4.871513**	**5.081587**	**5.030200**	**9.969881**	**10.42955**
Stddev	.003172	.005381	.009493	.009025	.013721	.097630	.02103
%RSD	.0661005	.1051842	.1948731	.1775981	.2727675	.9792538	.2016267
#1	4.801409	5.109855	4.867227	5.079050	5.026330	9.902634	10.44826
#2	4.795399	5.118853	4.864918	5.074102	5.018829	10.08186	10.43360
#3	4.800165	5.119468	4.882393	5.091609	5.045439	9.92515	10.40680

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2554463**	**2.448048**	**25.40523**	**.9832268**	**2.387406**	**1.258252**	**5.050330**
Stddev	.0011218	.002986	.05455	.0003279	.001567	.007249	.034025
%RSD	.4391541	.1219948	.2147233	.0333539	.0656565	.5760944	.6737221
#1	.2542048	2.446254	25.38064	.9832786	2.387024	1.256047	5.052362
#2	.2563871	2.446394	25.46775	.9828760	2.386065	1.266348	5.083293
#3	.2557470	2.451496	25.36731	.9835257	2.389129	1.252362	5.015334

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.549631**	**24.37645**	**2.413986**	**1.245453**	**23.74515**	**2.537926**	**2.536086**
Stddev	.003864	.14663	.002356	.000634	.09551	.007773	.003249
%RSD	.1515631	.6015143	.0976135	.0509132	.4022498	.3062726	.1281174
#1	2.553279	24.27019	2.413121	1.244799	23.82956	2.533670	2.535025
#2	2.550032	24.54374	2.412184	1.246065	23.76441	2.533210	2.533500
#3	2.545581	24.31542	2.416652	1.245495	23.64147	2.546897	2.539733

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.76568**	**5.289790**	**5.101316**	**5.179981**	**4.857203**	**5.207117**	**4.987031**
Stddev	.08860	.021240	.026249	.005137	.010428	.027431	.008555
%RSD	.3727887	.4015198	.5145577	.0991779	.2146985	.5267902	.1715420
#1	23.76504	5.266383	5.100594	5.176839	4.850536	5.201580	4.986398
#2	23.85459	5.307834	5.127919	5.177194	4.851853	5.236894	4.978811
#3	23.67740	5.295153	5.075436	5.185909	4.869221	5.182877	4.995885

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV09 Acquired: 7/9/2025 19:48:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.171392**	**5.105125**	**5.177249**
Stddev	.012593	.011950	.008216
%RSD	.2435058	.2340725	.1587006
#1	5.158441	5.091336	5.169053
#2	5.183593	5.111588	5.185486
#3	5.172141	5.112452	5.177207

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3298.095**	**32909.29**	**2614.831**	**2036.509**	**4472.377**
Stddev	10.922	130.37	12.546	3.845	12.978
%RSD	.3311735	.3961418	.4798033	.1888161	.2901809
#1	3307.332	32783.77	2608.360	2032.262	4485.066
#2	3300.913	33044.02	2606.843	2037.510	4472.936
#3	3286.039	32900.09	2629.292	2039.755	4459.128

Sample Name: CCB09 Acquired: 7/9/2025 19:52:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008299**	**-.000098**	**.0027458**	**.0026013**	**-.000294**	**-.001068**
Stddev	.0014513	.001856	.0018976	.0034978	.002996	.035837
%RSD	174.8808	1891.056	69.10838	134.4601	1019.378	3356.218
#1	.0006473	.002042	.0049365	.0059365	-.000789	.038777
#2	.0023637	-.001078	.0016108	.0029065	.002919	-.030665
#3	-.000522	-.001259	.0016902	-.001039	-.003011	-.011315

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013689**	**.0001019**	**.0000352**	**-.082778**	**-.000706**	**.0002477**
Stddev	.0008725	.0001239	.0000598	.032996	.000615	.0003449
%RSD	63.73770	121.6018	169.8425	39.86104	87.09889	139.2397
#1	.0011019	.0002330	.0000617	-.068208	-.000062	.0006317
#2	.0023438	-.000013	.0000773	-.120551	-.001288	.0001468
#3	.0006611	.000086	-.000033	-.059575	-.000769	-.000036

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015494**	**.0032130**	**.0027438**	**-.076635**	**.0003412**	**.0025941**
Stddev	.0003791	.0020207	.0033065	.037138	.0003335	.0004733
%RSD	24.46934	62.88940	120.5078	48.46148	97.72065	18.24341
#1	.0011696	.0047610	.0052422	-.076126	.0000299	.0026643
#2	.0019279	.0009271	-.001006	-.114026	.0006932	.0020897
#3	.0015507	.0039510	.003995	-.039754	.0003007	.0030284

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.031046**	**-.004582**	**.0003870**	**.0048700**	**.0015260**	F **.0103837**
Stddev	.010173	.003540	.0001780	.0012859	.0011810	.0022851
%RSD	32.76741	77.25834	45.98736	26.40522	77.39305	22.00688
#1	-.030538	-.005778	.0001815	.0033854	.0023982	.0115416
#2	-.041464	-.007369	.0004911	.0056373	.0001820	.0077514
#3	-.021137	-.000599	.0004885	.0055872	.0019978	.0118581

Sample Name: CCB09 Acquired: 7/9/2025 19:52:22 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004372	.0055434	-.001635	.0018976	-.003143	.0122926
Stddev	.0006394	.0030086	.000420	.0012223	.006092	.0032333
%RSD	146.2407	54.27403	25.66749	64.41488	193.8104	26.30254
#1	.0001096	.0032556	-.001391	.0032325	-.010178	.0099068
#2	.0011740	.0044232	-.001395	.0016270	.000352	.0159725
#3	.0000280	.0089515	-.002120	.0008332	.000396	.0109985

Elem	Sr4077
Units	ppm
Avg	.0001823
Stddev	.0001818
%RSD	99.71813
#1	-.000025
#2	.000257
#3	.000315

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3355.762	33823.72	2586.919	2088.672	5011.572
Stddev	3.756	235.54	14.752	10.667	6.680
%RSD	.1119160	.6963714	.5702578	.5107011	.1332959
#1	3359.460	33570.71	2593.315	2077.236	5004.793
#2	3351.951	34036.64	2597.394	2098.352	5011.775
#3	3355.874	33863.81	2570.048	2090.429	5018.149

Sample Name: Q2514-04 Acquired: 7/9/2025 19:56:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2129442**	**-.036434**	**.3363500**	**.1364878**	**.0311264**	**221.9117**	**.4784578**
Stddev	.0043945	.002111	.0006382	.0027904	.0013597	.9503	.0073644
%RSD	2.063686	5.793609	.1897295	2.044415	4.368332	.4282275	1.539195
#1	.2082410	-.037483	.3370667	.1369046	.0300558	221.5136	.4790028
#2	.2169455	-.037816	.3361401	.1335125	.0326563	221.2253	.4708361
#3	.2136462	-.034004	.3358433	.1390464	.0306671	222.9963	.4855347

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0173729**	**-.001086**	**5.290529**	**.4114549**	**.0589090**	**.0738702**	**490.4064**
Stddev	.0004947	.000255	.061271	.0014282	.0005879	.0007229	2.5748
%RSD	2.847688	23.51846	1.158127	.3471186	.9979712	.9786628	.5250248
#1	.0175995	-.001057	5.257543	.4124835	.0595191	.0743271	489.7980
#2	.0168054	-.000846	5.252817	.4120569	.0588616	.0730367	488.1903
#3	.0177137	-.001354	5.361226	.4098242	.0583462	.0742467	493.2308

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.125860**	**11.98548**	**.1269218**	**.0021838**	**4.555192**	**.7456800**	**.3909786**
Stddev	.012007	.19542	.0005005	.0017561	.072494	.0045419	.0015801
%RSD	1.066485	1.630437	.3943237	80.41708	1.591462	.6090911	.4041364
#1	1.122354	12.03409	.1272666	.0009839	4.546116	.7404359	.3912506
#2	1.115997	11.77034	.1271511	.0013680	4.487663	.7483582	.3924050
#3	1.139231	12.15200	.1263478	.0041994	4.631797	.7482460	.3892801

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.557588**	**6.104723**	**.1347614**	**.0101764**	**6.522982**	**2.294789**	**.0089125**
Stddev	.119935	.025537	.0027439	.0001835	.006578	.044164	.0015311
%RSD	1.401502	.4183125	2.036115	1.802836	.1008364	1.924539	17.17897
#1	8.541510	6.132779	.1330753	.0100471	6.530255	2.302596	.0101016
#2	8.446503	6.098552	.1379276	.0103864	6.521241	2.247242	.0071849
#3	8.684750	6.082837	.1332813	.0100958	6.517451	2.334528	.0094510

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-04 Acquired: 7/9/2025 19:56:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**3.274005**	**.1232928**	**.0607590**
Stddev	.027127	.0025228	.0007470
%RSD	.8285681	2.046208	1.229373
#1	3.286663	.1236851	.0604739
#2	3.242863	.1255964	.0601966
#3	3.292491	.1205968	.0616065

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3595.095**	**34712.90**	**2832.452**	**2212.302**	**4324.313**
Stddev	21.359	206.28	37.965	16.032	22.779
%RSD	.5941148	.5942344	1.340371	.7246636	.5267653
#1	3570.433	34863.57	2838.100	2221.683	4298.014
#2	3607.216	34477.80	2867.277	2193.791	4337.069
#3	3607.637	34797.32	2791.979	2221.434	4337.856

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-05 Acquired: 7/9/2025 20:01:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1832338**	**-.036475**	**.2943694**	**.1269799**	**.0275054**	**218.4311**	**.5958374**
Stddev	.0043311	.004611	.0026769	.0003398	.0033625	.2413	.0016898
%RSD	2.363709	12.64120	.9093653	.2676101	12.22470	.1104694	.2836035
#1	.1881401	-.034905	.2974593	.1273720	.0276189	218.3001	.5949695
#2	.1799410	-.041666	.2927537	.1267716	.0308098	218.7095	.5977849
#3	.1816203	-.032855	.2928951	.1267960	.0240877	218.2835	.5947580

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0164194**	**-.000940**	**5.007280**	**.3328526**	**.0712197**	**.0929197**	**461.3590**
Stddev	.0002121	.000088	.014923	.0006757	.0001371	.0017915	4.9881
%RSD	1.291918	9.406625	.2980268	.2029928	.1924370	1.928047	1.081180
#1	.0165571	-.000838	5.015763	.3324973	.0712765	.0927945	459.1407
#2	.0165261	-.000990	5.016028	.3324287	.0710634	.0947706	467.0715
#3	.0161752	-.000992	4.990049	.3336318	.0713193	.0911942	457.8648

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9721868**	**14.70038**	**.1419030**	**.0024035**	**12.38886**	**.7349057**	**.3741300**
Stddev	.0014558	.06591	.0003235	.0003930	.13188	.0180834	.0017240
%RSD	.1497425	.4483800	.2279522	16.35138	1.064529	2.460643	.4607984
#1	.9725813	14.64508	.1416600	.0028573	12.33865	.7215962	.3751222
#2	.9734047	14.77332	.1417788	.0021802	12.53847	.7554943	.3721393
#3	.9705745	14.68274	.1422702	.0021730	12.28945	.7276266	.3751285

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.447356**	**4.907492**	**.1294312**	**.0084699**	**2.692043**	**6.122291**	**.0061842**
Stddev	.018588	.007077	.0027114	.0000839	.003804	.038251	.0007313
%RSD	.2200431	.1441981	2.094817	.9908298	.1413202	.6247761	11.82546
#1	8.467733	4.911699	.1272828	.0085593	2.696342	6.094951	.0064793
#2	8.443007	4.899322	.1324776	.0084575	2.689112	6.166003	.0067219
#3	8.431329	4.911456	.1285330	.0083929	2.690673	6.105919	.0053514

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-05 Acquired: 7/9/2025 20:01:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**3.668674**	**.1369660**	**.0468013**
Stddev	.005009	.0036122	.0002801
%RSD	.1365465	2.637259	.5985515
#1	3.672950	.1374490	.0466490
#2	3.663162	.1403123	.0466302
#3	3.669909	.1331366	.0471245

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3732.806**	**36048.64**	**2946.103**	**2300.290**	**4481.280**
Stddev	12.521	126.44	23.243	13.612	10.066
%RSD	.3354412	.3507587	.7889269	.5917546	.2246127
#1	3735.364	36181.86	2970.341	2313.770	4480.749
#2	3719.203	36033.77	2924.003	2300.550	4471.491
#3	3743.851	35930.29	2943.966	2286.550	4491.601

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-06 Acquired: 7/9/2025 20:05:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1891571**	**-.032743**	**.2253023**	**.1283562**	**.0264172**	**192.5059**	**.4515416**
Stddev	.0017953	.002655	.0007724	.0043193	.0006831	.5372	.0007423
%RSD	.9490959	8.108787	.3428410	3.365065	2.585764	.2790708	.1643832
#1	.1910370	-.031001	.2261725	.1256428	.0267862	192.3524	.4522394
#2	.1874605	-.035799	.2250369	.1260889	.0268365	193.1032	.4516236
#3	.1889738	-.031430	.2246976	.1333370	.0256290	192.0621	.4507617

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0172032**	**.0005378**	**10.01927**	**.4110547**	**.0749342**	**.0662196**	**492.9517**
Stddev	.0000900	.0002841	.04760	.0018095	.0005475	.0006761	4.9331
%RSD	.5233193	52.82735	.4750419	.4402104	.7306080	1.021047	1.000729
#1	.0172869	.0005378	9.99400	.4102571	.0754876	.0663255	492.4105
#2	.0172147	.0008219	10.07417	.4131259	.0749223	.0654968	488.3115
#3	.0171080	.0002537	9.98963	.4097810	.0743928	.0668366	498.1331

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.167105**	**10.70639**	**.1253404**	**.0014697**	**5.436204**	**.7228581**	**.3452945**
Stddev	.007660	.05414	.0001785	.0008704	.029396	.0014607	.0014164
%RSD	.6563431	.5056464	.1424329	59.22395	.5407458	.2020684	.4102003
#1	1.160356	10.69953	.1253752	.0008338	5.460476	.7239827	.3447898
#2	1.175431	10.65600	.1251470	.0011137	5.444618	.7233843	.3441996
#3	1.165530	10.76362	.1254989	.0024618	5.403518	.7212072	.3468941

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.323550**	**6.143620**	**.1099269**	**.0069448**	**2.673434**	**1.540176**	**.0069290**
Stddev	.017783	.011236	.0089571	.0004409	.002811	.007390	.0007157
%RSD	.3340497	.1828956	8.148218	6.348717	.1051437	.4798062	10.32841
#1	5.338059	6.147401	.1072815	.0064670	2.673316	1.537514	.0064417
#2	5.328880	6.130981	.1025905	.0070317	2.670683	1.548528	.0065947
#3	5.303711	6.152479	.1199088	.0073359	2.676302	1.534486	.0077506

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-06 Acquired: 7/9/2025 20:05:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.547131**	**.0859107**	**.0749394**
Stddev	.006017	.0048770	.0005403
%RSD	.2362209	5.676862	.7210456
#1	2.543381	.0835080	.0744692
#2	2.543941	.0827012	.0748194
#3	2.554071	.0915229	.0755297

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3924.516**	**38084.96**	**3102.729**	**2413.446**	**4500.420**
Stddev	8.061	187.83	7.573	22.077	5.751
%RSD	.2054073	.4931892	.2440659	.9147600	.1277974
#1	3930.971	38266.56	3110.713	2429.987	4506.910
#2	3915.480	38096.83	3095.649	2421.975	4495.953
#3	3927.096	37891.47	3101.826	2388.377	4498.398

Sample Name: Q2514-07 Acquired: 7/9/2025 20:10:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1323401**	**-.043381**	**.9614877**	**.1159519**	**.0273594**	**189.1068**	**.2062906**
Stddev	.0057060	.001689	.0030981	.0019528	.0022286	.3810	.0005491
%RSD	4.311599	3.893721	.3222207	1.684166	8.145809	.2014820	.2661711
#1	.1306320	-.044226	.9633248	.1176490	.0287579	188.7735	.2056576
#2	.1387050	-.044481	.9579108	.1138175	.0285310	189.0248	.2065754
#3	.1276832	-.041436	.9632276	.1163893	.0247893	189.5222	.2066388

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0187986**	**.0011144**	**10.20604**	**.3446262**	**.0400870**	**.0169616**	**441.6728**
Stddev	.0003108	.0000898	.02454	.0013286	.0002737	.0014628	1.1146
%RSD	1.653340	8.054004	.2404490	.3855091	.6828075	8.624130	.2523476
#1	.0186422	.0012030	10.18176	.3450258	.0399568	.0156821	440.7327
#2	.0191565	.0011167	10.23083	.3431436	.0399026	.0166463	442.9040
#3	.0185971	.0010236	10.20553	.3457090	.0404015	.0185563	441.3817

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3120443**	**8.099577**	**.1070241**	**.0011468**	**5.318449**	**.8722311**	**.3566072**
Stddev	.0022812	.029228	.0010109	.0001933	.031619	.0062535	.0016047
%RSD	.7310630	.3608563	.9445408	16.85323	.5945116	.7169499	.4499797
#1	.3094535	8.091298	.1081739	.0010166	5.287175	.8673581	.3551101
#2	.3129280	8.132052	.1062749	.0010548	5.350402	.8700530	.3583013
#3	.3137516	8.075382	.1066236	.0013688	5.317768	.8792824	.3564103

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.96428**	**8.978725**	**.2206134**	**-.000597**	**.8418846**	**9.688201**	**.0049299**
Stddev	.25685	.023624	.0022295	.000588	.0045204	.051147	.0011987
%RSD	1.225195	.2631155	1.010580	98.50731	.5369324	.5279309	24.31551
#1	20.97957	8.992518	.2206921	-.000851	.8463142	9.630230	.0035830
#2	21.21315	8.951447	.2228025	-.001016	.8372787	9.726963	.0053274
#3	20.70012	8.992211	.2183456	.000075	.8420609	9.707410	.0058795

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-07 Acquired: 7/9/2025 20:10:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**1.579400**	**.0283286**	**.0835864**
Stddev	.010034	.0072961	.0001758
%RSD	.6353046	25.75537	.2103415
#1	1.569376	.0200287	.0837710
#2	1.579379	.0337306	.0834210
#3	1.589444	.0312264	.0835672

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4069.757**	**39468.13**	**3224.570**	**2496.446**	**4450.962**
Stddev	7.935	99.22	14.274	9.472	11.262
%RSD	.1949670	.2513949	.4426644	.3794257	.2530168
#1	4060.831	39570.61	3239.840	2504.359	4440.919
#2	4076.010	39461.25	3211.562	2485.951	4463.138
#3	4072.430	39372.53	3222.308	2499.028	4448.828

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-08 Acquired: 7/9/2025 20:14:52 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1713440**	**-.035035**	**.1720271**	**.1371577**	**.0295236**	**135.7594**	**.2929394**
Stddev	.0029215	.001600	.0021262	.0079742	.0009145	.7366	.0013048
%RSD	1.705031	4.567494	1.235945	5.813867	3.097626	.5425701	.4454108
#1	.1739042	-.035395	.1729798	.1461824	.0294752	136.2769	.2939278
#2	.1719664	-.033286	.1695912	.1342273	.0304614	134.9161	.2914605
#3	.1681615	-.036425	.1735102	.1310633	.0286342	136.0851	.2934301

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140051**	**-.002116**	**2.857125**	**.3469159**	**.0364131**	**.0462373**	**512.3438**
Stddev	.0001058	.000297	.048355	.0006384	.0003371	.0013365	5.9503
%RSD	.7553178	14.03278	1.692452	.1840256	.9257422	2.890568	1.161388
#1	.0140060	-.002453	2.904089	.3461793	.0362495	.0456977	518.5309
#2	.0138988	-.002003	2.859797	.3472573	.0368007	.0477593	511.8379
#3	.0141104	-.001893	2.807489	.3473109	.0361890	.0452550	506.6626

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7906064**	**10.21223**	**.0902693**	**.0024025**	**3.215459**	**.8734613**	**.3270984**
Stddev	.0048593	.06033	.0004166	.0018544	.009870	.0063466	.0034431
%RSD	.6146271	.5907399	.4615489	77.18672	.3069495	.7266027	1.052634
#1	.7919999	10.26700	.0898057	.0045435	3.211905	.8794863	.3292047
#2	.7852026	10.14757	.0906125	.0013052	3.226614	.8668358	.3231250
#3	.7946167	10.22212	.0903896	.0013587	3.207859	.8740619	.3289656

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.36314**	**5.790466**	**.3108925**	**.0076367**	**7.123545**	**2.359737**	**.0043754**
Stddev	.15995	.009845	.0079757	.0006302	.015491	.004325	.0016639
%RSD	1.196980	.1700143	2.565432	8.251660	.2174562	.1832885	38.02795
#1	13.53812	5.779121	.3180890	.0069788	7.108138	2.364731	.0056577
#2	13.32685	5.796768	.3122712	.0076964	7.123379	2.357309	.0049734
#3	13.22445	5.795507	.3023173	.0082348	7.139118	2.357172	.0024952

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-08 Acquired: 7/9/2025 20:14:52 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.898809**	**.0527349**	**.0262504**
Stddev	.018698	.0064888	.0001283
%RSD	.6450151	12.30464	.4888478
#1	2.915664	.0471981	.0261520
#2	2.878697	.0511316	.0262037
#3	2.902066	.0598751	.0263956

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3541.630**	**34224.53**	**2790.247**	**2165.612**	**4586.745**
Stddev	8.105	28.06	6.168	19.613	10.096
%RSD	.2288539	.0819971	.2210434	.9056423	.2201185
#1	3550.023	34215.55	2783.158	2150.987	4598.391
#2	3541.020	34255.98	2794.387	2187.899	4581.387
#3	3533.848	34202.05	2793.196	2157.951	4580.457

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-09 Acquired: 7/9/2025 20:19:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1376010**	**-.029335**	**.2129117**	**.0937847**	**.0197780**	**145.5951**	**.5691514**
Stddev	.0026022	.001295	.0007731	.0024193	.0014247	.4095	.0011153
%RSD	1.891128	4.413490	.3631111	2.579619	7.203406	.2812779	.1959582
#1	.1380364	-.028641	.2121096	.0964782	.0212880	145.9954	.5702520
#2	.1399581	-.028535	.2129734	.0917963	.0184576	145.1769	.5691804
#3	.1348086	-.030829	.2136522	.0930797	.0195885	145.6131	.5680219

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0130994**	**.0008153**	**10.83863**	**.2790590**	**.0766735**	**.0522864**	**336.7409**
Stddev	.0000662	.0002806	.01672	.0012944	.0002689	.0002815	4.3424
%RSD	.5054322	34.41214	.1542347	.4638459	.3507294	.5384281	1.289526
#1	.0130641	.0007378	10.85780	.2788017	.0769749	.0521785	337.8285
#2	.0130583	.0005818	10.83093	.2779126	.0764581	.0520748	340.4361
#3	.0131758	.0011266	10.82714	.2804628	.0765875	.0526059	331.9581

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.390027**	**12.14699**	**.1230260**	**.0038203**	**2.557462**	**.5101412**	**.3200631**
Stddev	.013159	.03431	.0004338	.0009506	.014480	.0142149	.0010358
%RSD	.9467044	.2824424	.3525938	24.88300	.5661672	2.786463	.3236065
#1	1.405206	12.16532	.1225489	.0046968	2.574176	.5151477	.3204001
#2	1.381834	12.16825	.1231323	.0039542	2.548725	.5211755	.3189009
#3	1.383041	12.10742	.1233967	.0028098	2.549485	.4941005	.3208884

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.897787**	**4.882971**	**.1089917**	**.0040878**	**.6525867**	**1.949290**	**.0080789**
Stddev	.048198	.003119	.0074005	.0000590	.0060674	.016416	.0005341
%RSD	.8172191	.0638793	6.789990	1.443188	.9297467	.8421444	6.611265
#1	5.952575	4.880460	.1063215	.0040225	.6488514	1.968245	.0076395
#2	5.878868	4.881991	.1173567	.0041372	.6493213	1.939764	.0079238
#3	5.861920	4.886463	.1032968	.0041036	.6595875	1.939860	.0086734

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2514-09 Acquired: 7/9/2025 20:19:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.401444**	**.0766681**	**.0964345**
Stddev	.009745	.0054311	.0004382
%RSD	.4057914	7.083931	.4544069
#1	2.412599	.0714092	.0969121
#2	2.394588	.0763386	.0963404
#3	2.397145	.0822564	.0960509

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4301.084**	**41811.64**	**3365.125**	**2649.297**	**4519.429**
Stddev	14.494	113.40	18.581	8.379	12.304
%RSD	.3369926	.2712052	.5521734	.3162801	.2722553
#1	4285.387	41758.45	3352.126	2648.525	4505.933
#2	4303.902	41734.62	3356.841	2641.330	4522.333
#3	4313.962	41941.86	3386.407	2658.035	4530.022

Sample Name: Q2514-10 Acquired: 7/9/2025 20:23:52 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0573199**	**-.040386**	**.1133385**	**.0578542**	**.0319250**	**91.78276**	**.1955599**
Stddev	.0032445	.003012	.0045461	.0026529	.0008087	.08519	.0004034
%RSD	5.660267	7.458920	4.011111	4.585470	2.533114	.0928183	.2062661
#1	.0609411	-.043426	.1184377	.0553077	.0328312	91.80794	.1951655
#2	.0546776	-.040328	.1118688	.0606020	.0312767	91.85253	.1955426
#3	.0563411	-.037403	.1097090	.0576529	.0316671	91.68782	.1959717

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0057715**	**-.000109**	**51.91457**	**.1465117**	**.1578943**	**.7680668**	**260.6372**
Stddev	.0001138	.000217	.11830	.0013028	.0012742	.0053622	2.8144
%RSD	1.972298	198.6526	.2278657	.8892467	.8070077	.6981446	1.079805
#1	.0057262	.000080	52.04720	.1471892	.1584211	.7739170	260.5008
#2	.0059010	-.000061	51.81995	.1473363	.1588206	.7633854	257.8934
#3	.0056873	-.000346	51.87656	.1450097	.1564411	.7668980	263.5172

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.190251**	**78.34298**	**.3329605**	**.0040523**	**13.81433**	**.5023507**	**.3147677**
Stddev	.007662	.07309	.0014204	.0013364	.13325	.0032474	.0020478
%RSD	.3498121	.0932909	.4265942	32.97751	.9645737	.6464375	.6505822
#1	2.198177	78.28515	.3330966	.0043477	13.95057	.4986016	.3124310
#2	2.182885	78.31866	.3343080	.0025930	13.80814	.5042888	.3162502
#3	2.189691	78.42512	.3314770	.0052163	13.68429	.5041616	.3156217

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.142214**	**4.631579**	**.1801209**	**-.003604**	**1.212120**	**3.218226**	**.0035069**
Stddev	.058936	.034282	.0032189	.000352	.015645	.032385	.0011001
%RSD	1.875614	.7401848	1.787067	9.760924	1.290749	1.006308	31.37015
#1	3.206957	4.654285	.1785732	-.003944	1.213979	3.255536	.0023129
#2	3.128000	4.648307	.1779682	-.003627	1.226753	3.201752	.0044795
#3	3.091685	4.592144	.1838213	-.003241	1.195628	3.197390	.0037283

Sample Name: Q2514-10 Acquired: 7/9/2025 20:23:52 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**13.46049**	**.0865722**	**.1808375**
Stddev	.05092	.0036677	.0006879
%RSD	.3783067	4.236556	.3803947
#1	13.50900	.0852273	.1814078
#2	13.40745	.0837669	.1800735
#3	13.46501	.0907225	.1810312

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3709.074**	**35911.01**	**2895.447**	**2285.893**	**4371.769**
Stddev	6.651	222.92	29.148	26.395	17.611
%RSD	.1793270	.6207615	1.006670	1.154686	.4028337
#1	3710.696	35952.67	2878.643	2302.716	4368.788
#2	3701.762	36110.17	2929.104	2299.492	4355.839
#3	3714.765	35670.20	2878.594	2255.472	4390.680

Sample Name: Q2515-01 Acquired: 7/9/2025 20:28:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0539425**	**-.052424**	**.1354123**	**.0960468**	**.0358753**	**183.6989**	**.9651298**
Stddev	.0009537	.001529	.0010719	.0026788	.0024488	.3642	.0009154
%RSD	1.767900	2.917192	.7915513	2.789008	6.825793	.1982540	.0948458
#1	.0547112	-.051408	.1342092	.0970216	.0371555	183.7113	.9646857
#2	.0542411	-.054183	.1357622	.0930171	.0330518	183.3287	.9645213
#3	.0528753	-.051682	.1362655	.0981016	.0374187	184.0568	.9661826

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0110879**	**.0037681**	**39.30237**	**.5121632**	**.3680371**	**.3720489**	**400.8838**
Stddev	.0002649	.0001563	.10863	.0000842	.0006030	.0009412	4.8850
%RSD	2.389358	4.149018	.2764055	.0164468	.1638452	.2529788	1.218551
#1	.0110201	.0036021	39.20806	.5120665	.3682553	.3731051	405.2274
#2	.0108635	.0037897	39.27789	.5122023	.3673554	.3712989	401.8285
#3	.0113802	.0039125	39.42115	.5122207	.3685008	.3717428	395.5955

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.26883**	**73.63612**	**.3921062**	**.0001358**	**3.110917**	**1.163374**	**.6270913**
Stddev	.03281	.45151	.0012065	.0007089	.015950	.000877	.0018064
%RSD	.2299212	.6131601	.3076895	521.9717	.5127118	.0754004	.2880523
#1	14.23104	73.34850	.3929576	.0000752	3.113236	1.162785	.6289590
#2	14.28992	73.40334	.3907255	.0008731	3.093934	1.162954	.6269616
#3	14.28555	74.15651	.3926355	-.000541	3.125580	1.164382	.6253533

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.156585**	**5.946015**	**.0855150**	**-.006021**	**.4114298**	**2.001902**	**.0143841**
Stddev	.015613	.014783	.0057459	.000830	.0050708	.002346	.0005261
%RSD	.3756206	.2486148	6.719149	13.77963	1.232472	.1171871	3.657171
#1	4.150335	5.945563	.0906770	-.006157	.4168579	2.001026	.0139074
#2	4.145065	5.931464	.0865438	-.005132	.4068145	2.000121	.0149485
#3	4.174354	5.961019	.0793242	-.006775	.4106172	2.004560	.0142964

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01 Acquired: 7/9/2025 20:28:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**9.880679**	**.1307420**	**.1576137**
Stddev	.010159	.0107458	.0002843
%RSD	.1028132	8.219068	.1804025
#1	9.873564	.1192325	.1573090
#2	9.876161	.1324815	.1576600
#3	9.892313	.1405118	.1578720

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4193.908**	**40758.50**	**3365.428**	**2570.118**	**4311.666**
Stddev	6.071	67.54	12.656	2.383	6.571
%RSD	.1447568	.1657094	.3760667	.0927161	.1524024
#1	4187.471	40687.99	3359.862	2567.573	4306.809
#2	4194.722	40822.62	3379.914	2570.486	4319.143
#3	4199.531	40764.90	3356.509	2572.296	4309.045

Sample Name: Q2515-01DUP Acquired: 7/9/2025 20:32:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0594100**	**-.056096**	**.1969412**	**.0996468**	**.0353313**	**185.0882**	**.9007037**
Stddev	.0068361	.002120	.0052044	.0029708	.0002055	.4995	.0030480
%RSD	11.50671	3.779104	2.642630	2.981310	.5817338	.2698578	.3383983
#1	.0667391	-.057046	.1937066	.0984415	.0353872	185.6244	.9029347
#2	.0582844	-.057576	.2029448	.1030308	.0351036	184.6361	.8972308
#3	.0532065	-.053668	.1941723	.0974680	.0355031	185.0040	.9019455

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0120614**	**.0038383**	**40.74207**	**.5346508**	**.3771558**	**.3874659**	**421.5955**
Stddev	.0002753	.0001179	.10213	.0022306	.0007180	.0052056	2.5197
%RSD	2.282040	3.071543	.2506748	.4172121	.1903606	1.343493	.5976476
#1	.0123641	.0038771	40.84135	.5343334	.3765270	.3934557	420.5840
#2	.0118262	.0037059	40.63731	.5325960	.3770023	.3840355	424.4638
#3	.0119938	.0039320	40.74757	.5370232	.3779381	.3849066	419.7389

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.94549**	**79.54474**	**.4075546**	**-.002044**	**3.299910**	**1.215293**	**.6742522**
Stddev	.01003	.20541	.0010683	.000706	.009144	.009303	.0048421
%RSD	.0774953	.2582262	.2621340	34.53921	.2771116	.7654586	.7181430
#1	12.94634	79.71451	.4069296	-.002138	3.307105	1.222826	.6704467
#2	12.93506	79.60330	.4087882	-.001296	3.303005	1.204895	.6726075
#3	12.95507	79.31642	.4069461	-.002698	3.289619	1.218159	.6797024

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.388230**	**6.126809**	**.0921378**	**-.005640**	**.4708175**	**6.046859**	**.0238653**
Stddev	.022334	.008501	.0048380	.000563	.0083328	.051566	.0011036
%RSD	.5089625	.1387574	5.250806	9.980692	1.769868	.8527672	4.624209
#1	4.413738	6.117336	.0882470	-.005156	.4649411	6.106155	.0242468
#2	4.378765	6.129316	.0975549	-.006258	.4671575	6.021900	.0247275
#3	4.372186	6.133775	.0906116	-.005507	.4803540	6.012522	.0226216

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01DUP Acquired: 7/9/2025 20:32:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**10.96670**	**.1395681**	**.1614635**
Stddev	.02765	.0043084	.0001625
%RSD	.2521149	3.086961	.1006556
#1	10.96121	.1445417	.1614381
#2	10.94220	.1369802	.1613152
#3	10.99668	.1371826	.1616373

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4187.941**	**41070.74**	**3340.395**	**2590.507**	**4320.903**
Stddev	11.404	357.46	11.436	20.704	11.382
%RSD	.2723011	.8703414	.3423658	.7992360	.2634226
#1	4175.864	41474.16	3329.409	2612.230	4312.621
#2	4189.433	40944.63	3339.540	2588.290	4316.206
#3	4198.525	40793.44	3352.234	2571.000	4333.882

Sample Name: Q2515-01LX5 Acquired: 7/9/2025 20:37:03 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0155661**	**-.010585**	**.0311748**	**.0289989**	**.0078076**	**44.17999**	**.2320808**
Stddev	.0036266	.001861	.0013876	.0066809	.0021096	.09082	.0011444
%RSD	23.29848	17.58289	4.451134	23.03855	27.01939	.2055626	.4931005
#1	.0132166	-.012730	.0307452	.0365731	.0098257	44.25318	.2328735
#2	.0197429	-.009635	.0300528	.0264796	.0056171	44.07836	.2326002
#3	.0137387	-.009391	.0327265	.0239439	.0079799	44.20843	.2307689

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027769**	**-.000671**	**9.528623**	**.1215494**	**.0729031**	**.0962439**	**109.4717**
Stddev	.0002454	.000098	.062060	.0005047	.0001661	.0005853	1.5903
%RSD	8.838453	14.64425	.6513017	.4151820	.2278004	.6080908	1.452724
#1	.0029974	-.000590	9.508058	.1215327	.0730904	.0957404	108.7353
#2	.0025124	-.000644	9.479457	.1220621	.0728450	.0961055	108.3831
#3	.0028208	-.000780	9.598356	.1210533	.0727739	.0968860	111.2967

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.504410**	**18.13554**	**.0764032**	**.0031917**	**.7747404**	**.2785789**	**.1609206**
Stddev	.007468	.08700	.0004230	.0020305	.0033387	.0086430	.0012132
%RSD	.2130916	.4797207	.5536526	63.61798	.4309430	3.102524	.7538925
#1	3.500087	18.13412	.0768845	.0027078	.7785710	.2687755	.1600414
#2	3.500111	18.04926	.0760906	.0014468	.7732021	.2818618	.1604156
#3	3.513033	18.22324	.0762344	.0054204	.7724482	.2850995	.1623046

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8689892**	**1.127481**	**.0266688**	**-.002283**	**.0981597**	**.6936658**	**-.004517**
Stddev	.0020655	.001747	.0021504	.001204	.0062911	.0061078	.000628
%RSD	.2376875	.1549459	8.063401	52.72538	6.409086	.8805062	13.89458
#1	.8673649	1.126242	.0284467	-.002865	.0986965	.6882337	-.005117
#2	.8682890	1.126723	.0242786	-.003086	.0916173	.6924864	-.004570
#3	.8713138	1.129479	.0272811	-.000899	.1041652	.7002772	-.003865

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01LX5 Acquired: 7/9/2025 20:37:03 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**2.393678**	**.0300929**	**.0380176**
Stddev	.005334	.0090252	.0000728
%RSD	.2228442	29.99112	.1915860
#1	2.391224	.0292088	.0380523
#2	2.390013	.0215422	.0380666
#3	2.399798	.0395276	.0379339

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3492.526**	**34485.87**	**2738.708**	**2155.211**	**4624.363**
Stddev	8.912	185.32	14.150	14.740	19.258
%RSD	.2551654	.5373811	.5166641	.6839455	.4164490
#1	3497.939	34552.47	2743.300	2156.917	4631.445
#2	3497.399	34628.69	2749.991	2169.024	4639.078
#3	3482.240	34276.46	2722.832	2139.691	4602.567

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV10 Acquired: 7/9/2025 20:41:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.910209**	**5.233119**	**4.987847**	**5.201457**	**5.143026**	**10.11438**	**10.62840**
Stddev	.013645	.018214	.005863	.006307	.008758	.04786	.03380
%RSD	.2778849	.3480501	.1175542	.1212530	.1702960	.4731583	.3179951
#1	4.909217	5.219977	4.987557	5.205937	5.152733	10.09956	10.65311
#2	4.897088	5.225470	4.982134	5.194244	5.135714	10.07568	10.58989
#3	4.924323	5.253910	4.993850	5.204189	5.140630	10.16789	10.64220

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2601311**	**2.505678**	**25.85284**	**1.006310**	**2.444064**	**1.279772**	**5.108124**
Stddev	.0026865	.003171	.06504	.001362	.003373	.014444	.041737
%RSD	1.032734	.1265529	.2515869	.1353766	.1380252	1.128633	.8170668
#1	.2626312	2.504441	25.85449	1.004738	2.443468	1.295698	5.150199
#2	.2604714	2.503312	25.78698	1.007040	2.441029	1.276099	5.107441
#3	.2572907	2.509281	25.91704	1.007152	2.447696	1.267520	5.066733

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.606379**	**24.80416**	**2.470191**	**1.274623**	**24.19564**	**2.592758**	**2.609839**
Stddev	.006074	.03926	.001154	.003759	.22465	.015227	.008928
%RSD	.2330604	.1582780	.0467035	.2949340	.9284894	.5873074	.3420740
#1	2.610789	24.75915	2.471124	1.278815	24.43825	2.587465	2.607598
#2	2.599451	24.82204	2.468901	1.271550	24.15388	2.580883	2.619674
#3	2.608897	24.83130	2.470547	1.273505	23.99480	2.609925	2.602246

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.63662**	**5.422740**	**5.187838**	**5.306875**	**4.958117**	**5.249406**	**5.111750**
Stddev	.12291	.022162	.041155	.009056	.011760	.051259	.009378
%RSD	.4988822	.4086854	.7932948	.1706534	.2371893	.9764632	.1834678
#1	24.75441	5.424918	5.231439	5.315318	4.952014	5.303428	5.104047
#2	24.50916	5.399570	5.182406	5.297310	4.950664	5.243339	5.109009
#3	24.64630	5.443733	5.149668	5.307998	4.971674	5.201451	5.122193

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV10 Acquired: 7/9/2025 20:41:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.270859**	**5.209292**	**5.273709**
Stddev	.011466	.018513	.011114
%RSD	.2175323	.3553893	.2107480
#1	5.279324	5.207757	5.285329
#2	5.257810	5.191594	5.263181
#3	5.275443	5.228525	5.272618

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3229.910**	**32088.61**	**2565.815**	**1983.523**	**4377.493**
Stddev	11.937	153.94	5.399	11.441	8.525
%RSD	.3695809	.4797363	.2104368	.5767887	.1947369
#1	3216.739	32254.63	2560.929	1996.726	4370.972
#2	3240.015	32060.63	2564.903	1977.309	4387.139
#3	3232.977	31950.59	2571.612	1976.534	4374.368

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB10 Acquired: 7/9/2025 20:45:46 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001070**	**-.000037**	**.0019144**	**.0064490**	**-.001349**	**-.010706**	**.0011327**
Stddev	.003577	.000641	.0010542	.0012459	.003148	.015509	.0008991
%RSD	334.3006	1722.823	55.07049	19.31966	233.4649	144.8621	79.37446
#1	.001217	-.000616	.0007024	.0050120	-.004807	-.028611	.0018893
#2	-.005193	-.000147	.0024213	.0071076	.001351	-.002049	.0001387
#3	.000765	.000652	.0026194	.0072274	-.000590	-.001458	.0013702

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001995**	**-.000021**	**-.038584**	**-.000981**	**.0003982**	**.0021836**	**.0024447**
Stddev	.0001216	.000084	.010028	.000223	.0001983	.0006878	.0011955
%RSD	60.93823	401.5428	25.99020	22.73872	49.79124	31.49981	48.90413
#1	.0002544	.000073	-.034959	-.000866	.0006248	.0016120	.0036429
#2	.0002838	-.000046	-.049920	-.000838	.0003133	.0029470	.0012519
#3	.0000601	-.000090	-.030872	-.001238	.0002565	.0019919	.0024392

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001401**	**-.056074**	**-.000360**	**.0019178**	**-.038934**	**-.002544**	**.0009727**
Stddev	.0005670	.063550	.000251	.0003820	.003755	.009911	.0005186
%RSD	404.5485	113.3326	69.76385	19.91849	9.644770	389.6200	53.31904
#1	.0007259	-.070559	-.000095	.0019026	-.042745	.003934	.0014670
#2	.0001004	.013468	-.000390	.0015436	-.038821	.002388	.0004328
#3	-.000406	-.111131	-.000594	.0023071	-.035237	-.013953	.0010183

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017916**	**.0014177**	**.0083480**	**.0008341**	**.0030137**	**-.004585**	**.0004367**
Stddev	.0009106	.0014221	.0006361	.0006452	.0020649	.000789	.0006607
%RSD	50.82531	100.3137	7.619559	77.34787	68.51686	17.21460	151.2753
#1	.0020307	-.000130	.0087610	.0010669	.0045677	-.003681	-.000310
#2	.0025588	.002667	.0076155	.0013306	.0038029	-.004930	.000677
#3	.0007853	.001717	.0086674	.0001049	.0006706	-.005142	.000943

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB10 Acquired: 7/9/2025 20:45:46 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003500	.0101491	-.000134
Stddev	.008367	.0090043	.000180
%RSD	239.0184	88.72061	134.0702
#1	-.004910	.0087758	.000054
#2	.005481	.0019103	-.000151
#3	-.011073	.0197612	-.000305

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3442.996	34391.07	2630.183	2124.868	5145.594
Stddev	25.009	336.05	25.056	11.274	29.033
%RSD	.7263774	.9771493	.9526365	.5305852	.5642393
#1	3416.922	34089.23	2624.355	2115.517	5116.292
#2	3466.783	34753.18	2608.554	2137.388	5174.351
#3	3445.283	34330.79	2657.639	2121.700	5146.139

Sample Name: Q2515-01MS Acquired: 7/9/2025 20:50:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7971700	k 1.915437	k 1.097926	s 1.699304	s .3416262	k 199.8703	1.261829
Stddev	.0218164	.037359	.034148	.232734	.0619382	.4659	.003584
%RSD	2.736729	1.950392	3.110226	13.69585	18.13039	.2331057	.2840159
#1	.7908059	1.918844	1.105356	1.516578	.3033867	200.4057	1.265967
#2	.8214608	1.950976	1.127747	1.620011	.3084043	199.5568	1.259835
#3	.7792434	k 1.876492	k 1.060675	s 1.961323	s .4130876	k 199.6485	1.259686

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .1745495	.1985082	37.94187	.8155660	k .4850378	k .5692537	341.6952
Stddev	.0003912	.0052751	.11931	.0016893	.0040525	.0015872	3.2710
%RSD	.2241162	2.657369	.3144589	.2071327	.8354986	.2788177	.9573003
#1	.1749789	.1978258	37.97323	.8163421	.4857225	.5710836	343.7034
#2	.1744564	.2040913	38.04236	.8136281	.4887043	.5682509	337.9207
#3	k .1742133	.1936075	37.81001	.8167278	k .4806865	k .5684266	343.4615

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.45229	61.47124	.8043223	k .0629807	5.092861	k 1.035120	.7943628
Stddev	.04788	.05967	.0081199	.0011933	.094468	.007742	.0030906
%RSD	.2910319	.0970630	1.009532	1.894714	1.854914	.7479039	.3890629
#1	16.50082	61.43044	.8050526	.0618647	5.077235	1.042365	.7978142
#2	16.45099	61.44356	.8120525	.0628389	5.007180	1.026962	.7934228
#3	16.40508	61.53972	.7958620	k .0642386	5.194168	k 1.036033	.7918513

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.73245	k 12.01717	k .2550147	s .3188787	k .6993738	k 6.179046	.7056854
Stddev	.33167	.61076	.0040041	.0589874	.0384132	.027094	.0170478
%RSD	2.415251	5.082424	1.570129	18.49838	5.492508	.4384797	2.415778
#1	14.11514	11.85129	.2595789	.2840469	.6920917	6.195463	.7079286
#2	13.55399	12.69374	.2520933	.2856036	.7409068	6.147773	.7215006
#3	13.52821	k 11.50648	k .2533719	s .3869855	k .6651229	k 6.193901	.6876271

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01MS Acquired: 7/9/2025 20:50:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.927045	.2930128	.3178026
Stddev	.010178	.0051071	.0015251
%RSD	.1717143	1.742956	.4798943
#1	5.934964	.2967050	.3193066
#2	5.930605	.2951490	.3178439
#3	5.915565	.2871845	.3162572

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	^ *****	40320.82	3130.060	2574.462	4203.171
Stddev	-----	34.10	2.253	17.078	208.763
%RSD	-----	.0845665	.0719732	.6633527	4.966807
#1	4206.531	40305.84	3129.038	2564.375	4319.140
#2	3870.443	40296.78	3128.499	2564.831	3962.169
#3	^ -----	40359.85	3132.642	2594.180	4328.206

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01MSD Acquired: 7/9/2025 20:54:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8103942**	**1.915193**	**1.129536**	**1.547796**	**.3360208**	**192.1769**	**1.007376**
Stddev	.0111468	.013548	.015480	.029813	.0011321	.2723	.002857
%RSD	1.375475	.7073754	1.370517	1.926130	.3369056	.1416720	.2835581
#1	.8044111	1.905847	1.124044	1.525074	.3371766	191.8966	1.005378
#2	.8232550	1.930730	1.147014	1.581553	.3349141	192.1938	1.010647
#3	.8035166	1.909003	1.117551	1.536763	.3359719	192.4403	1.006101

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1607375**	**.1986554**	**35.61147**	**.8263823**	**.4834199**	**.5400172**	**387.0420**
Stddev	.0117625	.0023274	.04438	.0104177	.0004475	.0379814	8.7575
%RSD	7.317830	1.171582	.1246209	1.260645	.0925668	7.033373	2.262664
#1	.1682743	.1982052	35.56941	.8156660	.4832172	.5661009	382.4207
#2	.1471837	.2011750	35.60714	.8364733	.4831096	.4964415	381.5632
#3	.1667545	.1965859	35.65785	.8270076	.4839329	.5575094	397.1421

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.43444**	**61.98449**	**.7999408**	**.0560924**	**4.980443**	**1.292498**	**.8072855**
Stddev	.04105	.44962	.0023475	.0021516	.272574	.005614	.0260446
%RSD	.3933710	.7253763	.2934530	3.835818	5.472885	.4343522	3.226196
#1	10.39391	61.87020	.8002223	.0550810	4.829271	1.297381	.7904849
#2	10.47599	61.60304	.8021348	.0546328	4.816954	1.293748	.8372873
#3	10.43344	62.48022	.7974653	.0585633	5.295104	1.286364	.7940843

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.39258**	**12.27427**	**.2689425**	**.3027233**	**.6903293**	**1.973897**	**.7066063**
Stddev	.75214	.19176	.0069979	.0009099	.0039829	.133757	.0078171
%RSD	6.069270	1.562274	2.602019	.3005563	.5769521	6.776296	1.106287
#1	11.84690	12.20079	.2614521	.3029162	.6861188	2.057466	.7034937
#2	12.08028	12.49190	.2753129	.3017324	.6940367	1.819626	.7155002
#3	13.25056	12.13011	.2700625	.3035212	.6908326	2.044597	.7008250

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01MSD Acquired: 7/9/2025 20:54:40 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**7.458604**	**.3150714**	**.3045639**
Stddev	.024071	.0036041	.0009183
%RSD	.3227337	1.143883	.3015077
#1	7.431587	.3109305	.3041395
#2	7.477768	.3175012	.3056176
#3	7.466457	.3167824	.3039346

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4146.715**	**37855.43**	**3275.999**	**2436.418**	**4278.498**
Stddev	34.138	3489.66	21.233	192.803	38.332
%RSD	.8232445	9.218379	.6481359	7.913366	.8959163
#1	4179.169	40380.45	3283.312	2548.159	4309.996
#2	4111.112	33873.38	3292.609	2213.789	4235.819
#3	4149.863	39312.48	3252.076	2547.306	4289.679

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01A Acquired: 7/9/2025 20:59:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7897117**	**1.814127**	**1.042480**	**1.529142**	**.6124619**	**186.9814**	**1.107454**
Stddev	.0034976	.006153	.001291	.002365	.0047439	.8884	.003412
%RSD	.4428977	.3391549	.1238604	.1546552	.7745586	.4751047	.3080989
#1	.7871809	1.811023	1.041604	1.527843	.6114487	186.2643	1.105815
#2	.7937028	1.821213	1.043963	1.527712	.6176306	187.9752	1.111376
#3	.7882512	1.810144	1.041874	1.531872	.6083065	186.7047	1.105170

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1633067**	**.1887521**	**40.70161**	**.8032486**	**.5506221**	**.5999232**	**409.0466**
Stddev	.0016245	.0003891	.10689	.0045233	.0010315	.0049212	2.8543
%RSD	.9947639	.2061257	.2626306	.5631318	.1873375	.8203085	.6977988
#1	.1616293	.1884399	40.58446	.8081970	.5515247	.5947101	409.3972
#2	.1648726	.1886284	40.79386	.8022222	.5508438	.6044883	411.7094
#3	.1634182	.1891880	40.72652	.7993267	.5494977	.6005711	406.0331

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.07831**	**75.38108**	**.8555104**	**.0528562**	**5.140367**	**1.401703**	**.7828833**
Stddev	.04015	.45945	.0020293	.0024477	.046509	.014789	.0037560
%RSD	.2851788	.6095006	.2372043	4.630832	.9047810	1.055092	.4797622
#1	14.03793	75.09434	.8577917	.0518619	5.106397	1.384638	.7846527
#2	14.11822	75.91101	.8539061	.0556446	5.193375	1.409685	.7854278
#3	14.07879	75.13790	.8548334	.0510622	5.121330	1.410786	.7785694

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.17869**	**12.04042**	**.3003269**	**.2960984**	**.4177976**	**7.924999**	**.6801765**
Stddev	.01042	.01858	.0004570	.0003040	.0107043	.038015	.0027149
%RSD	.0855213	.1543182	.1521614	.1026607	2.562083	.4796821	.3991510
#1	12.17118	12.04186	.3008424	.2958233	.4229518	7.896916	.6828850
#2	12.17430	12.02116	.2999713	.2960473	.4249497	7.968258	.6774552
#3	12.19058	12.05824	.3001671	.2964247	.4054912	7.909824	.6801892

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2515-01A Acquired: 7/9/2025 20:59:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**11.06843**	**.2923648**	**.3140950**
Stddev	.04386	.0033543	.0011875
%RSD	.3962586	1.147282	.3780598
#1	11.01859	.2960541	.3131114
#2	11.10113	.2915412	.3154142
#3	11.08557	.2894990	.3137595

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4143.317**	**40634.30**	**3311.561**	**2551.369**	**4259.104**
Stddev	10.994	264.84	13.975	9.963	8.370
%RSD	.2653415	.6517721	.4220198	.3905020	.1965119
#1	4150.909	40329.67	3325.475	2542.075	4265.359
#2	4148.332	40809.88	3297.525	2561.888	4262.356
#3	4130.710	40763.34	3311.683	2550.145	4249.596

Sample Name: Q2487-14 Acquired: 7/9/2025 21:03:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2966735**	**.0079223**	**53.57424**	**.1214590**	**.3853501**	**135.4220**
Stddev	.0043087	.0034967	.44323	.0129248	.0022929	.2194
%RSD	1.452324	44.13695	.8273266	10.64125	.5950200	.1619768
#1	.2982999	.0119597	53.15829	.1147904	.3878576	135.5015
#2	.2917884	.0058700	53.52394	.1363561	.3833602	135.5905
#3	.2999322	.0059372	54.04047	.1132306	.3848326	135.1740

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.156496**	**.0196241**	**.0578827**	**698.5563**	**.6038946**	**.6036616**
Stddev	.016014	.0003739	.0011691	.8979	.0030711	.0032470
%RSD	.3852848	1.905243	2.019810	.1285367	.5085476	.5378854
#1	4.174952	.0199763	.0567892	698.5591	.6004160	.6009626
#2	4.148250	.0196643	.0577439	699.4527	.6062304	.6027572
#3	4.146284	.0192318	.0591150	697.6570	.6050374	.6072649

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.673653**	**675.3273**	**5.522362**	**66.61905**	**.4392086**	**-.011271**
Stddev	.112827	11.2826	.011482	.26210	.0014109	.001375
%RSD	1.690631	1.670687	.2079220	.3934375	.3212444	12.20060
#1	6.720218	686.5109	5.523057	66.90295	.4383761	-.010252
#2	6.755744	675.5227	5.533480	66.56789	.4384121	-.010725
#3	6.544996	663.9483	5.510548	66.38629	.4408377	-.012835

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.018310**	**.4717351**	F **37.44958**	**13.74842**	**12.83639**	**.2052503**
Stddev	.115202	.0070215	.38621	.26396	.07277	.0106248
%RSD	1.436731	1.488443	1.031283	1.919915	.5668690	5.176508
#1	8.081671	.4788785	37.79440	14.05207	12.78207	.2171344
#2	8.087923	.4714846	37.03225	13.57381	12.80805	.1966694
#3	7.885336	.4648422	37.52208	13.61937	12.91907	.2019473

Sample Name: Q2487-14 Acquired: 7/9/2025 21:03:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4070030	F 235.4308	9.181718	5.638262	5.381003	.2078054
Stddev	.0007451	1.6677	.151958	.048318	.025442	.0075619
%RSD	.1830822	.7083730	1.655002	.8569697	.4728030	3.638942
#1	.4068440	233.9604	9.237700	5.592721	5.409473	.2013682
#2	.4078148	235.0892	9.297743	5.633119	5.373045	.2161333
#3	.4063502	237.2429	9.009711	5.688946	5.360492	.2059148

Elem	Sr4077
Units	ppm
Avg	4.536940
Stddev	.009696
%RSD	.2137086
#1	4.548131
#2	4.531624
#3	4.531066

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3586.836	34720.81	3022.076	2196.195	3982.549
Stddev	4.260	230.88	33.569	18.427	10.208
%RSD	.1187743	.6649737	1.110794	.8390305	.2563282
#1	3585.745	34619.53	2992.147	2192.518	3994.143
#2	3583.227	34985.03	3015.709	2216.183	3978.594
#3	3591.535	34557.88	3058.373	2179.884	3974.910

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2487-15DLX5 Acquired: 7/9/2025 21:08:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0194091**	**.0173271**	**2.111444**	**-.009732**	**.0245263**	**20.78149**	**1.254331**
Stddev	.0009550	.0003925	.002093	.005788	.0010775	.03326	.005611
%RSD	4.920159	2.265181	.0991234	59.47819	4.393021	.1600358	.4472944
#1	.0187075	.0172899	2.109957	-.013088	.0235485	20.78034	1.260629
#2	.0204967	.0177368	2.113837	-.013060	.0256814	20.81531	1.249866
#3	.0190233	.0169545	2.110538	-.003048	.0243492	20.74882	1.252497

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025728**	**.0049956**	**174.7620**	**.0927654**	**.0872567**	**.8210454**	**86.58958**
Stddev	.0000751	.0000909	.1743	.0010019	.0008418	.0016818	.10248
%RSD	2.919647	1.818703	.0997482	1.079991	.9646843	.2048319	.1183535
#1	.0026433	.0049697	174.9161	.0923703	.0866115	.8191050	86.52959
#2	.0024938	.0049205	174.7970	.0920214	.0869498	.8220820	86.70791
#3	.0025813	.0050966	174.5728	.0939046	.0882089	.8219494	86.53123

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.079279**	**45.33726**	**.0684797**	**.0080954**	**2.654214**	**.1208263**	**4.081004**
Stddev	.005934	.03475	.0006803	.0016527	.023682	.0055267	.003348
%RSD	.5498413	.0766496	.9934803	20.41573	.8922552	4.574064	.0820443
#1	1.086000	45.35599	.0692608	.0071892	2.644440	.1153946	4.077488
#2	1.077077	45.29716	.0681617	.0100030	2.681219	.1206410	4.081370
#3	1.074760	45.35862	.0680166	.0070940	2.636984	.1264433	4.084154

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.992631**	**2.068936**	**.0478835**	**.0381606**	**4.691428**	**4.214097**	**.2129475**
Stddev	.020654	.009081	.0019396	.0008450	.002318	.013322	.0017608
%RSD	.5173129	.4389019	4.050691	2.214336	.0494116	.3161310	.8268825
#1	4.011023	2.074388	.0458989	.0372713	4.694067	4.199430	.2118947
#2	3.996586	2.058453	.0497748	.0389530	4.689722	4.225448	.2119675
#3	3.970286	2.073966	.0479769	.0382575	4.690495	4.217414	.2149803

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: Q2487-15DLX5 Acquired: 7/9/2025 21:08:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**1.275513**	**.0394480**	**.5726398**
Stddev	.007096	.0097632	.0014895
%RSD	.5562866	24.74963	.2601101
#1	1.282622	.0359125	.5743553
#2	1.268431	.0319450	.5718877
#3	1.275485	.0504865	.5716763

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3346.329**	**32925.64**	**2649.087**	**2057.106**	**4380.334**
Stddev	20.264	51.56	1.672	3.840	24.163
%RSD	.6055730	.1565851	.0631093	.1866458	.5516261
#1	3324.679	32947.29	2647.789	2053.746	4354.438
#2	3364.842	32962.84	2650.973	2056.281	4402.275
#3	3349.467	32866.79	2648.498	2061.291	4384.291

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV11 Acquired: 7/9/2025 21:12:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.740141**	**5.062703**	**4.821701**	**5.051198**	**4.987300**	**9.995935**	**10.44564**
Stddev	.003818	.008835	.002701	.001389	.006074	.010145	.02547
%RSD	.0805421	.1745153	.0560273	.0274923	.1217836	.1014956	.2438288
#1	4.739411	5.072631	4.824352	5.052528	4.993765	9.986866	10.44667
#2	4.736741	5.059773	4.818952	5.051309	4.981713	9.994046	10.41967
#3	4.744271	5.055705	4.821799	5.049757	4.986422	10.00689	10.47058

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2566736**	**2.421473**	**25.34514**	**.9747415**	**2.364980**	**1.264264**	**5.068314**
Stddev	.0008766	.004430	.06140	.0020965	.001718	.003173	.021475
%RSD	.3415280	.1829607	.2422707	.2150792	.0726342	.2509930	.4237040
#1	.2575382	2.426393	25.38208	.9771092	2.366031	1.267920	5.091621
#2	.2557854	2.417798	25.27426	.9739946	2.362998	1.262231	5.049328
#3	.2566973	2.420227	25.37909	.9731208	2.365911	1.262640	5.063995

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.559604**	**24.43189**	**2.386268**	**1.237517**	**23.83366**	**2.547113**	**2.539030**
Stddev	.008276	.09373	.004639	.003616	.10751	.009696	.008840
%RSD	.3233486	.3836456	.1944167	.2921971	.4510880	.3806557	.3481687
#1	2.561359	24.33776	2.391580	1.235735	23.94104	2.558249	2.528823
#2	2.550591	24.43269	2.383011	1.235138	23.83392	2.542542	2.544019
#3	2.566863	24.52521	2.384214	1.241678	23.72602	2.540547	2.544248

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.87368**	**5.263428**	**5.119772**	**5.143957**	**4.814646**	**5.180308**	**4.937124**
Stddev	.07538	.020699	.018854	.007158	.012920	.020467	.008645
%RSD	.3157626	.3932525	.3682597	.1391470	.2683517	.3950979	.1750981
#1	23.95663	5.287135	5.137446	5.150810	4.827941	5.195056	4.941094
#2	23.80936	5.248943	5.121943	5.136529	4.813861	5.188927	4.927207
#3	23.85506	5.254206	5.099926	5.144533	4.802136	5.156941	4.943070

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCV11 Acquired: 7/9/2025 21:12:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**5.190138**	**5.157913**	**5.177696**
Stddev	.007039	.016649	.015317
%RSD	.1356286	.3227821	.2958174
#1	5.189906	5.148404	5.164226
#2	5.183218	5.148198	5.174506
#3	5.197291	5.177137	5.194356

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3196.602**	**31803.55**	**2508.308**	**1964.596**	**4347.266**
Stddev	16.108	82.05	6.034	7.919	20.975
%RSD	.5039093	.2579908	.2405490	.4030880	.4824928
#1	3181.392	31831.88	2501.340	1971.263	4327.541
#2	3213.479	31867.68	2511.794	1966.682	4369.301
#3	3194.936	31711.09	2511.789	1955.843	4344.957

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB11 Acquired: 7/9/2025 21:16:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003126**	**.0000096**	**.0047912**	**.0034255**	**-.000764**	**.0230704**	**.0004403**
Stddev	.002050	.0020491	.0003962	.0101876	.001497	.0155672	.0005041
%RSD	65.59066	21459.79	8.268890	297.4062	195.9603	67.47722	114.4751
#1	-.004885	-.000781	.0044737	.0146998	.000125	.0398274	.0004031
#2	-.003619	-.001527	.0052352	.0006963	.000076	.0203259	-.000044
#3	-.000874	.002336	.0046648	-.005120	-.002492	.0090579	.000962

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000054**	**-.000027**	**-.023813**	**-.000059**	**.0000211**	**.0019388**	**.0001562**
Stddev	.0002729	.000031	.013797	.000319	.0002403	.0004396	.0030555
%RSD	5046.658	118.4453	57.93601	541.9204	1137.533	22.67520	1956.675
#1	-.000068	-.000006	-.023613	-.000380	-.000245	.0022659	.0019083
#2	-.000224	-.000063	-.037709	.000259	.000223	.0021114	-.003372
#3	.000307	-.000011	-.010118	-.000056	.000085	.0014390	.001932

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000055**	**-.016536**	**.0004507**	**.0004751**	**-.042280**	**-.005899**	**.0007354**
Stddev	.002418	.090447	.0003346	.0016708	.010706	.001763	.0002642
%RSD	4427.037	546.9787	74.23399	351.6866	25.32145	29.88824	35.93155
#1	.000571	-.089393	.0001276	-.000890	-.034731	-.004271	.0010117
#2	-.002724	.084697	.0007958	.002338	-.054533	-.007772	.0004852
#3	.001989	-.044911	.0004288	-.000023	-.037577	-.005654	.0007092

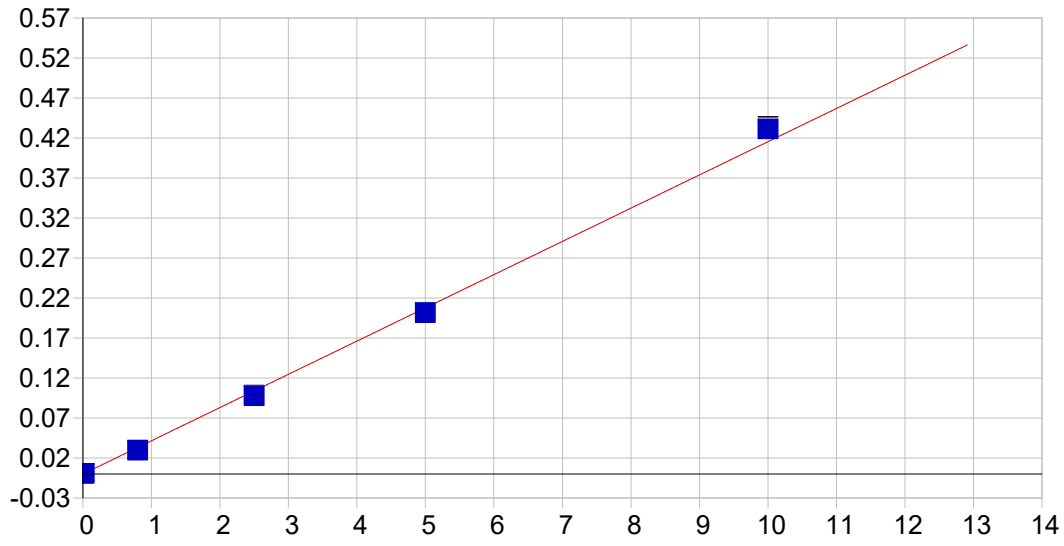
Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0080790**	**.0034245**	**.0089685**	**.0008471**	**.0058079**	**-.003210**	**-.009225**
Stddev	.0024802	.0014733	.0026066	.0003224	.0043311	.000380	.000786
%RSD	30.69974	43.02097	29.06420	38.05601	74.57281	11.84895	8.520606
#1	.0094587	.0042053	.0103721	.0004908	.0026121	-.002964	-.008749
#2	.0052157	.0043430	.0105724	.0009320	.0040742	-.003648	-.010133
#3	.0095626	.0017252	.0059608	.0011186	.0107372	-.003018	-.008794

Reviewed By:jaswal
On:7/10/2025 11:33:47 PM
Inst Id :P5
LB :LB136407

Sample Name: CCB11 Acquired: 7/9/2025 21:16:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v29) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004041	.0062158	.0003075
Stddev	.005307	.0071689	.0003246
%RSD	131.3383	115.3338	105.5820
#1	-.006882	-.000061	.0000885
#2	-.007323	.014028	.0001534
#3	.002082	.004681	.0006804

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3356.000	33732.17	2584.650	2080.829	5022.350
Stddev	7.233	204.96	20.293	11.100	12.416
%RSD	.2155353	.6076189	.7851329	.5334370	.2472232
#1	3361.115	33554.08	2561.836	2076.609	5034.073
#2	3347.724	33686.24	2591.427	2072.458	5009.340
#3	3359.160	33956.21	2600.688	2093.420	5023.637

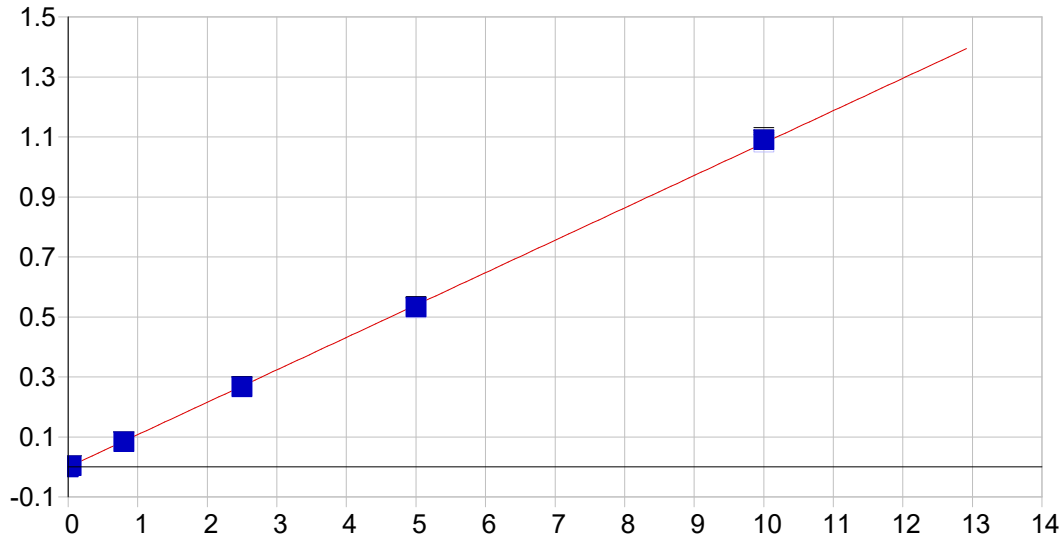


As 189.042 {479}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000091	Re-Slope:	1.000000
A1 (Gain):	0.041551	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998995	Status:	OK.
Std Error of Est:	0.000044		
Predicted MDL:	0.003214		
Predicted MQL:	0.010712		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00009	.000	1
S1	.02000	.02028	.000	1.38	.00075	.000	1
S2	.80000	.71213	-.088	-11.0	.02949	.000	1
S3	2.5000	2.3534	-.147	-5.86	.09768	.001	1
S4	5.0000	4.8548	-.145	-2.90	.20160	.001	1
S5	10.000	10.379	.379	3.79	.43112	.003	1

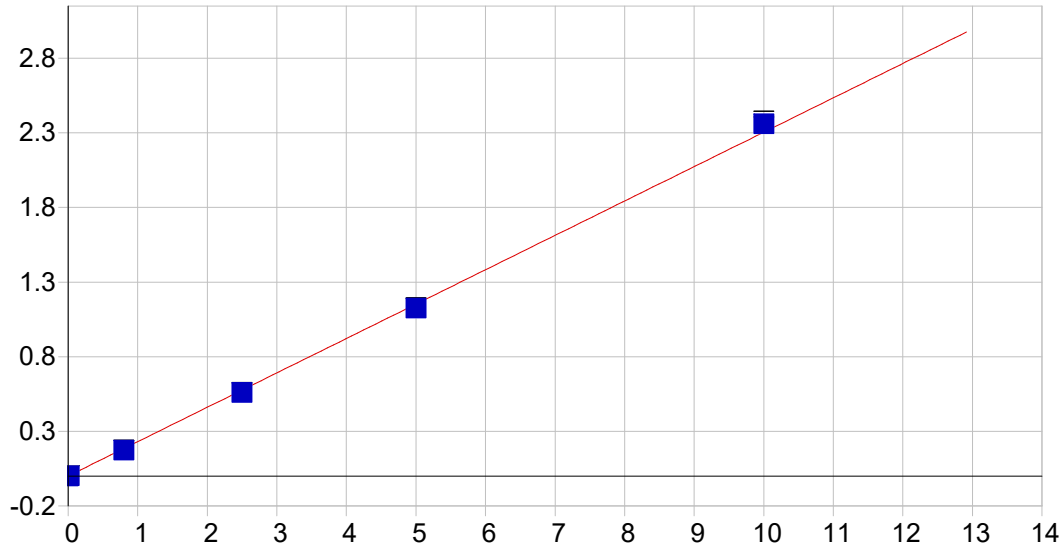


Tl 190.856 {477}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000531	Re-Slope:	1.000000
A1 (Gain):	0.107989	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	0.002010		
Predicted MQL:	0.006700		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00053	.000	1
S1	.04000	.03608	-.004	-9.79	.00327	.000	1
S2	.80000	.77955	-.020	-2.56	.08298	.000	1
S3	2.5000	2.4793	-.021	-.828	.26510	.001	1
S4	5.0000	4.9412	-.059	-1.18	.52884	.002	1
S5	10.000	10.104	.104	1.04	1.0821	.007	1

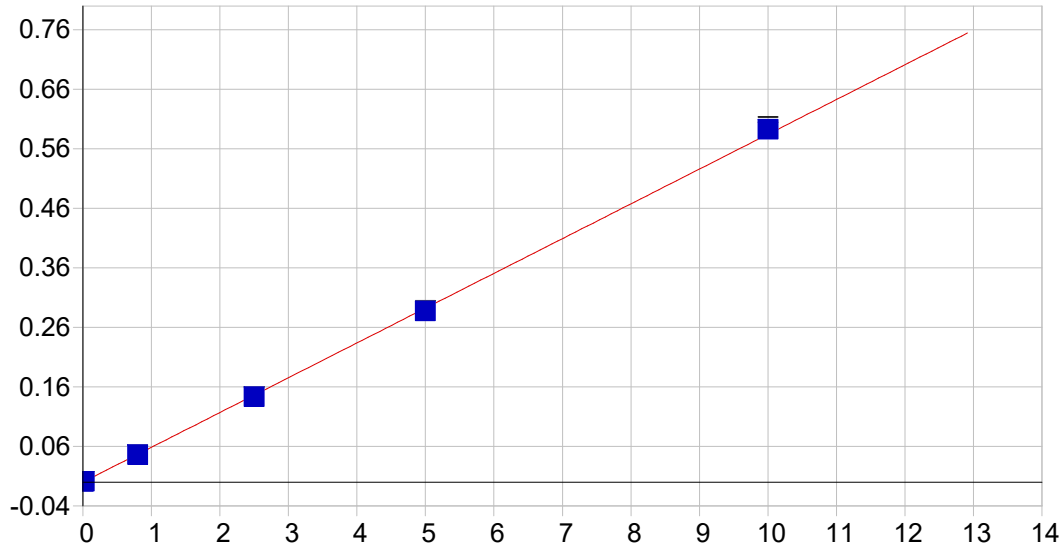


Pb 220.353 {453}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000370	Re-Slope:	1.000000
A1 (Gain):	0.230397	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999598	Status:	OK.
Std Error of Est:	0.000118		
Predicted MDL:	0.001896		
Predicted MQL:	0.006320		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00037	.000	1
S1	.01200	.00949	-.003	-20.9	.00250	.000	1
S2	.80000	.74962	-.050	-6.30	.17290	.001	1
S3	2.5000	2.4254	-.075	-2.98	.55861	.001	1
S4	5.0000	4.8824	-.118	-2.35	1.1241	.002	1
S5	10.000	10.245	.245	2.45	2.3585	.019	1

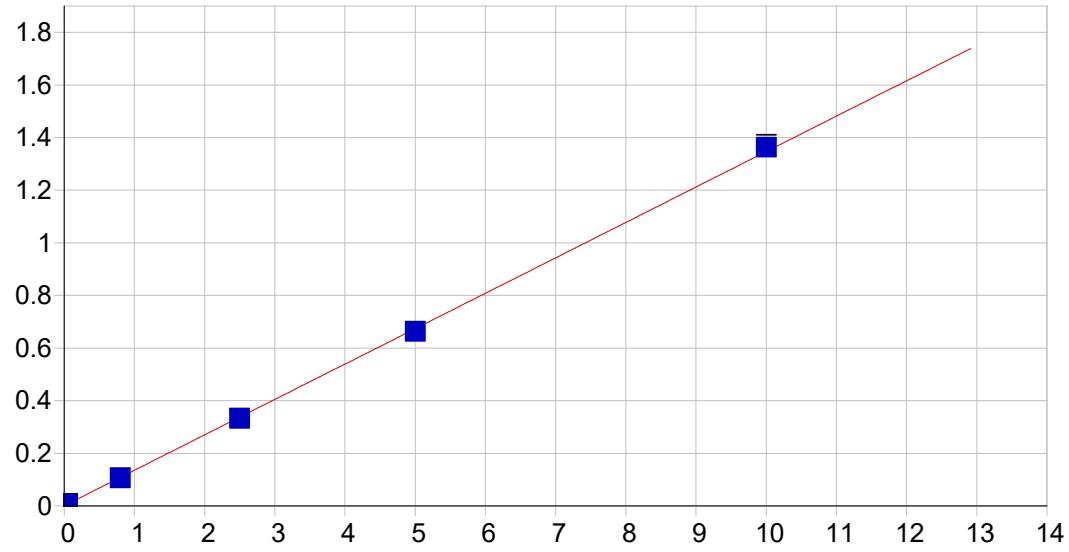


Se 196.090 {472}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000071	Re-Slope:	1.000000
A1 (Gain):	0.058442	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999877	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.004666		
Predicted MQL:	0.015552		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00007	.000	1
S1	.02000	.01862	-.001	-6.90	.00116	.000	1
S2	.80000	.78288	-.017	-2.14	.04580	.000	1
S3	2.5000	2.4542	-.046	-1.83	.14343	.001	1
S4	5.0000	4.9224	-.078	-1.55	.28760	.001	1
S5	10.000	10.142	.142	1.42	.59249	.004	1

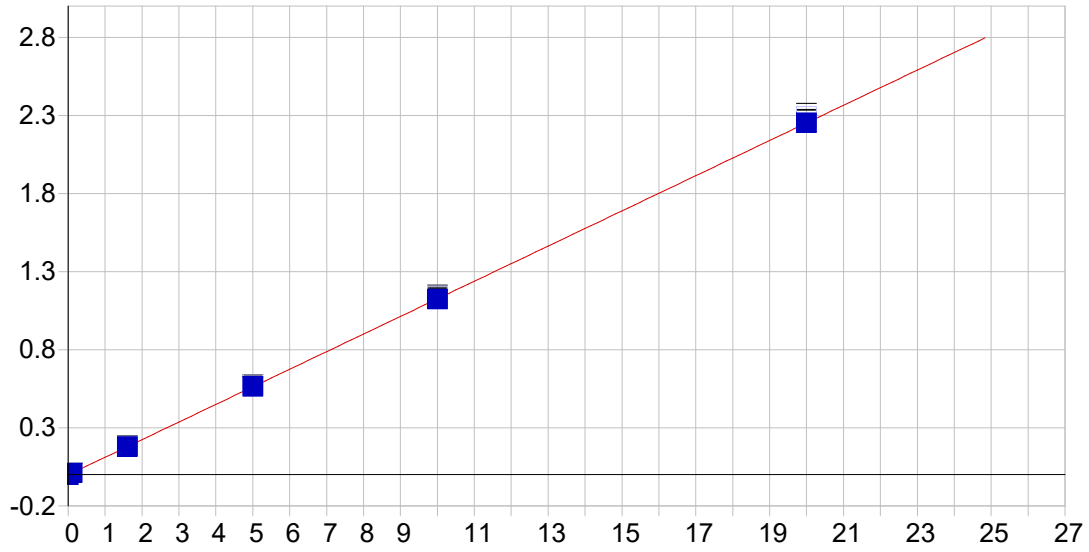


Sb 206.833 {463}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000803	Re-Slope:	1.000000
A1 (Gain):	0.134589	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999894	Status:	OK.
Std Error of Est:	0.000072		
Predicted MDL:	0.002823		
Predicted MQL:	0.009412		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00080	.000	1
S1	.05000	.05182	.002	3.63	.00771	.000	1
S2	.80000	.78168	-.018	-2.29	.10585	.000	1
S3	2.5000	2.4654	-.035	-1.38	.33211	.001	1
S4	5.0000	4.9216	-.078	-1.57	.66218	.001	1
S5	10.000	10.129	.129	1.29	1.3621	.010	1



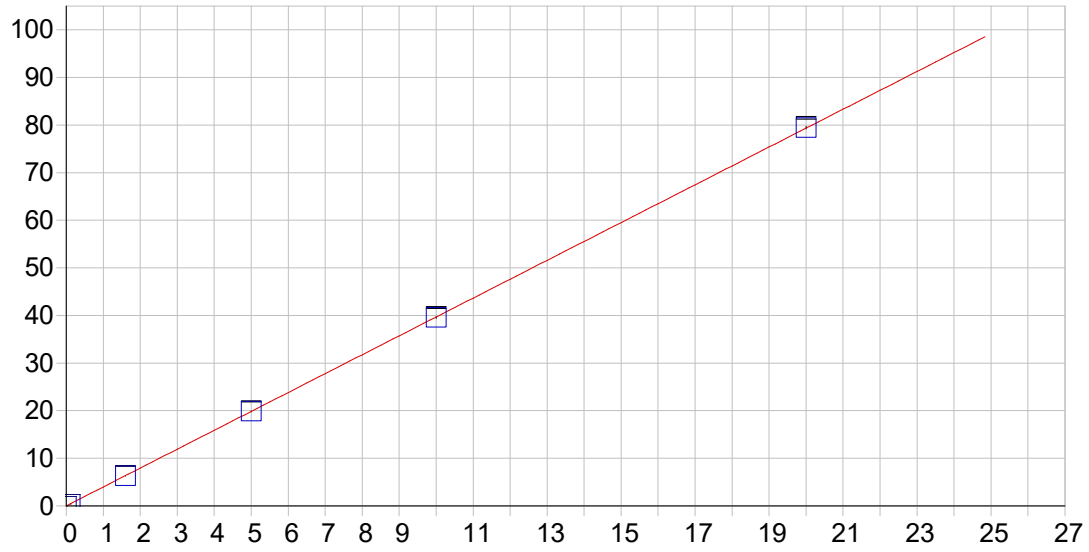
Al 396.152 { 85}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000971	Re-Slope:	1.000000
A1 (Gain):	0.112649	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999990	Status:	OK.
Std Error of Est:	0.000038		
Predicted MDL:	0.027046		
Predicted MQL:	0.090153		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00097	.003	1
S1	.10000	.10804	.008	8.04	.01204	.002	1
S2	1.6000	1.6018	.002	.112	.18283	.001	1
S3	5.0000	5.0155	.016	.311	.57451	.001	1
S4	10.000	9.9780	-.022	-.220	1.1440	.006	1
S5	20.000	19.996	-.004	-.019	2.2935	.019	1

Reviewed By:
On:
Inst Id :P5
LB :LB136434

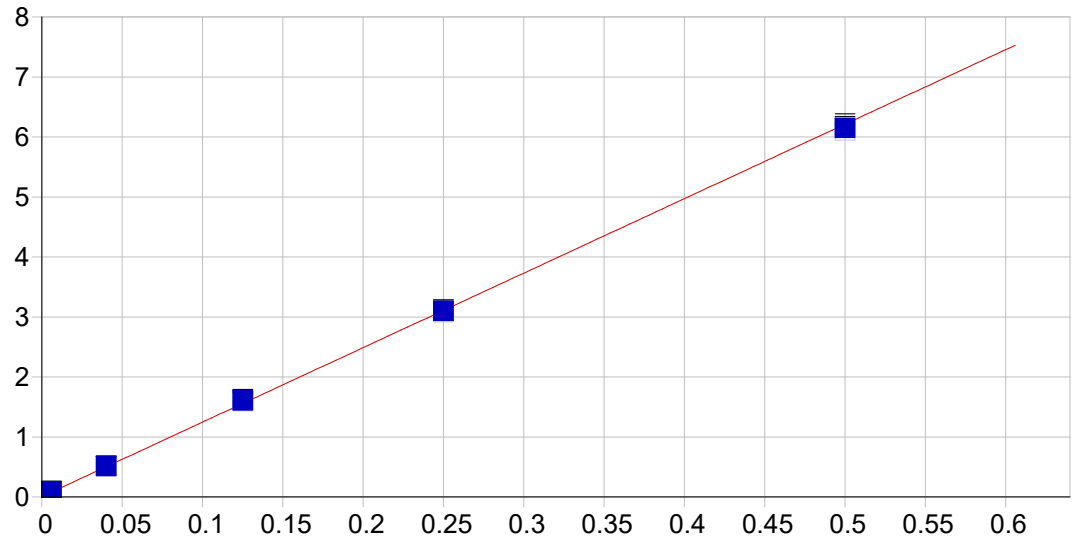


Ba 493.409 { 68}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.016486	Re-Slope:	1.000000
A1 (Gain):	3.967012	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000629		
Predicted MDL:	0.001210		
Predicted MQL:	0.004032		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.01648	.003	1
S1	.10000	.10153	.002	1.53	.41925	.007	1
S2	1.6000	1.5900	-.010	-.627	6.3239	.042	1
S3	5.0000	5.0097	.010	.195	19.890	.103	1
S4	10.000	9.9792	-.021	-.208	39.604	.185	1
S5	20.000	20.020	.020	.098	79.434	.262	1

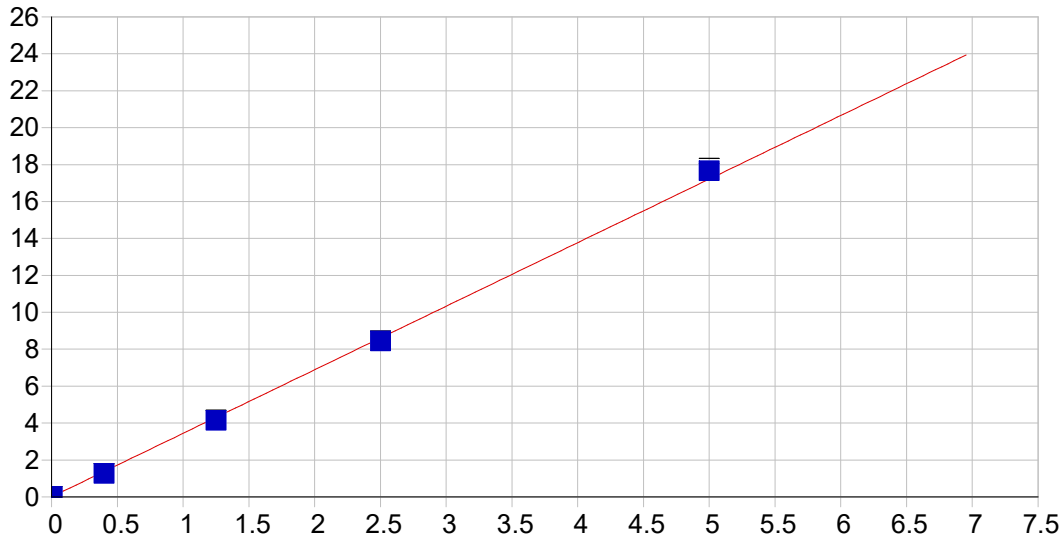


Be 234.861 {144}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005042	Re-Slope:	1.000000
A1 (Gain):	12.415382	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999778	Status:	OK.
Std Error of Est:	0.000749		
Predicted MDL:	0.000149		
Predicted MQL:	0.000496		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00502	.001	1
S1	.00600	.00712	.001	18.7	.09264	.001	1
S2	.04000	.04094	.001	2.34	.50996	.003	1
S3	.12500	.12883	.004	3.06	1.5941	.023	1
S4	.25000	.24934	-.001	-.264	3.0800	.017	1
S5	.50000	.49478	-.005	-1.04	6.1066	.071	1

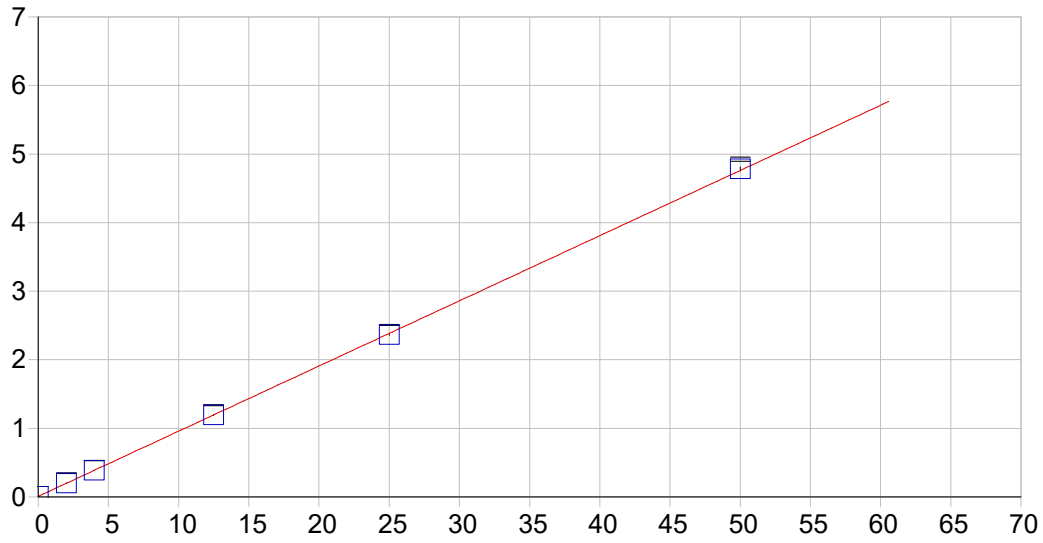


Cd 214.438 {457}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000628	Re-Slope:	1.000000
A1 (Gain):	3.443089	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999541	Status:	OK.
Std Error of Est:	0.000947		
Predicted MDL:	0.000084		
Predicted MQL:	0.000279		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00063	.000	1
S1	.00600	.00563	-.000	-6.12	.02004	.000	1
S2	.40000	.36873	-.031	-7.82	1.2703	.001	1
S3	1.2500	1.2042	-.046	-3.66	4.1471	.008	1
S4	2.5000	2.4497	-.050	-2.01	8.4360	.025	1
S5	5.0000	5.1277	.128	2.55	17.657	.140	1

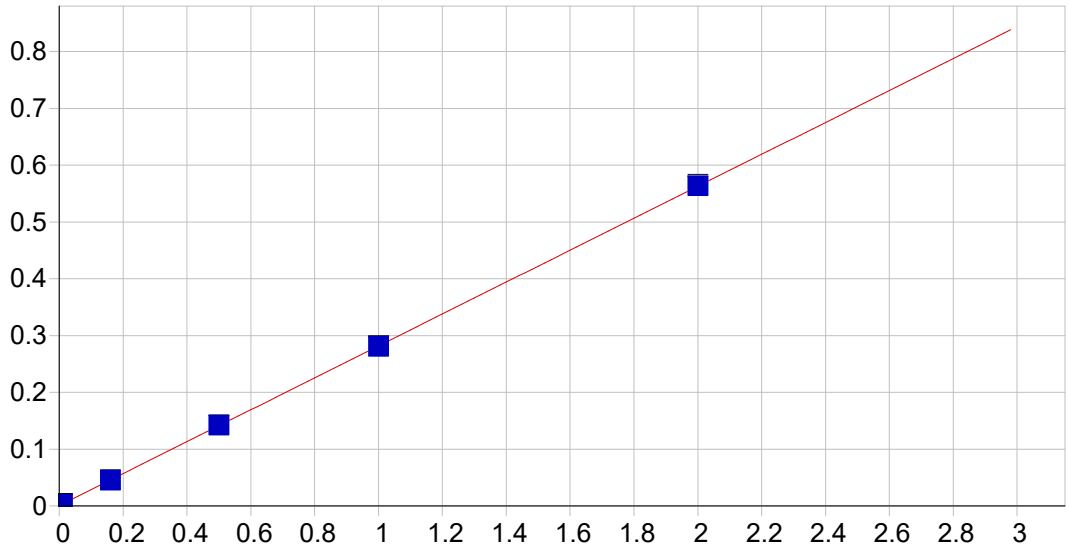


Ca 373.690 { 90}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.008139	Re-Slope:	1.000000
A1 (Gain):	0.095045	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000334		
Predicted MDL:	0.025932		
Predicted MQL:	0.086440		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00814	.001	1
S1	2.0000	2.0461	.046	2.31	.20261	.005	1
S2	4.0000	3.9726	-.027	-.685	.38571	.002	1
S3	12.500	12.461	-.039	-.309	1.1925	.007	1
S4	25.000	24.793	-.207	-.829	2.3646	.008	1
S5	50.000	50.227	.227	.455	4.7820	.031	1

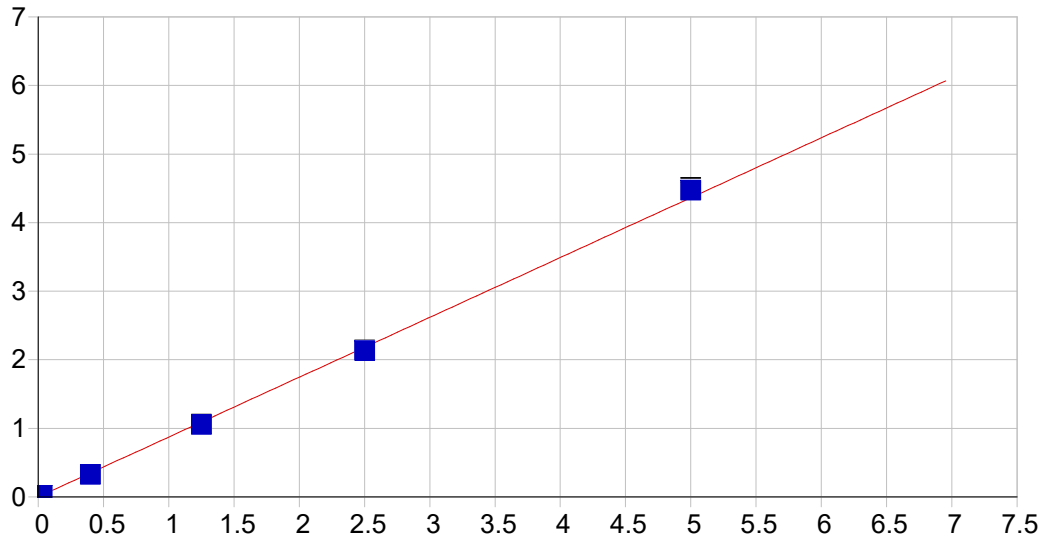


Cr 267.716 {126}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000692	Re-Slope:	1.000000
A1 (Gain):	0.281086	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999990	Status:	OK.
Std Error of Est:	0.000009		
Predicted MDL:	0.000949		
Predicted MQL:	0.003164		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00069	.000	1
S1	.01000	.01050	.001	5.05	.00365	.000	1
S2	.16000	.15841	-.002	-.994	.04530	.000	1
S3	.50000	.50239	.002	.478	.14217	.000	1
S4	1.0000	.99600	-.004	-.400	.28119	.001	1
S5	2.0000	2.0027	.003	.135	.56469	.002	1

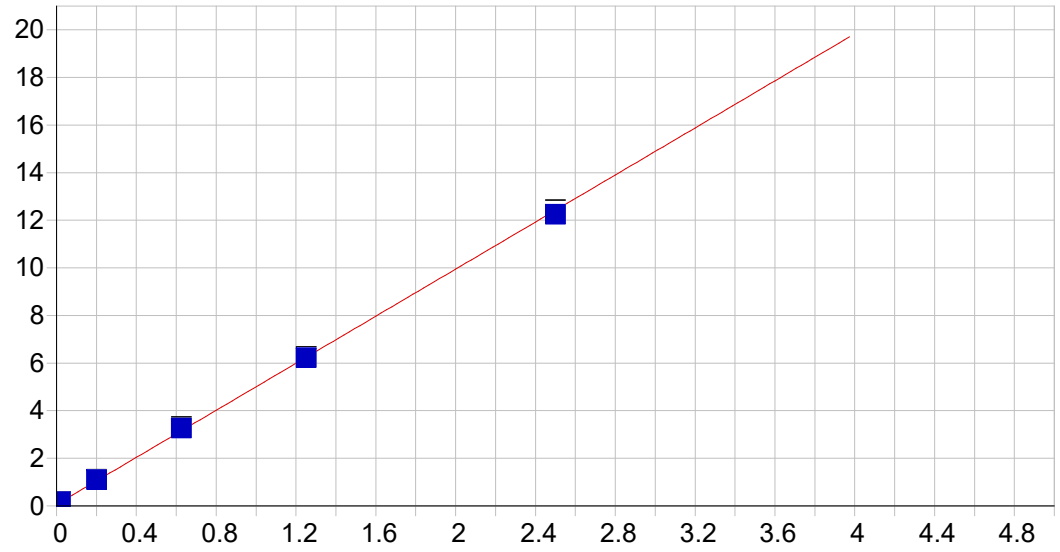


Co 228.616 {448}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000248	Re-Slope:	1.000000
A1 (Gain):	0.872710	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999595	Status:	OK.
Std Error of Est:	0.000505		
Predicted MDL:	0.000349		
Predicted MQL:	0.001162		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00025	.000	1
S1	.03000	.02936	-.001	-2.13	.02572	.000	1
S2	.40000	.37399	-.026	-6.50	.32706	.000	1
S3	1.2500	1.2083	-.042	-3.34	1.0561	.003	1
S4	2.5000	2.4438	-.056	-2.25	2.1356	.005	1
S5	5.0000	5.1246	.125	2.49	4.4778	.033	1

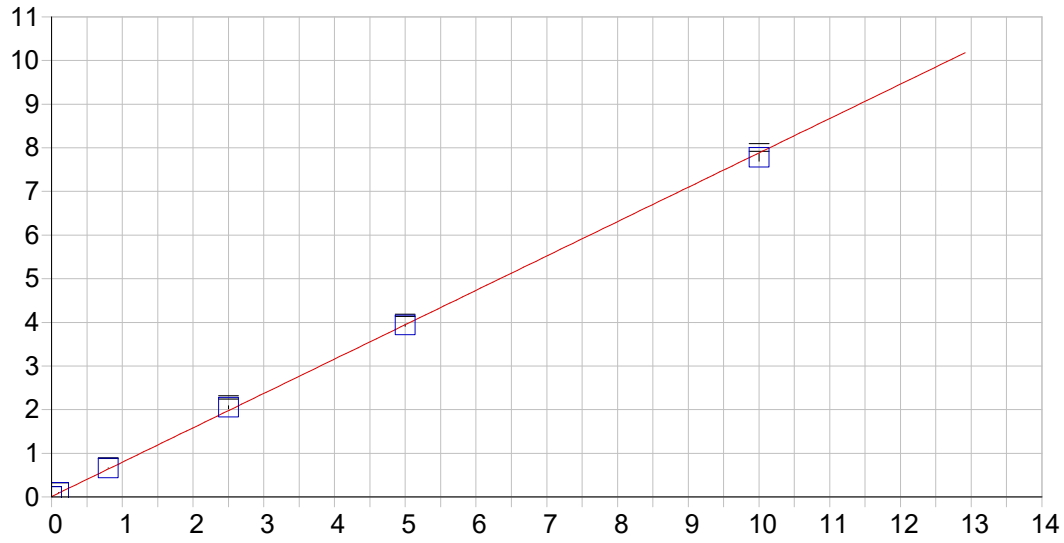


Cu 324.754 {104}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.061509	Re-Slope:	1.000000
A1 (Gain):	4.943588	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999773	Status:	OK.
Std Error of Est:	0.001236		
Predicted MDL:	0.000855		
Predicted MQL:	0.002849		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.06149	.007	1
S1	.02000	.02190	.002	9.52	.16984	.000	1
S2	.20000	.21005	.010	5.02	1.1004	.011	1
S3	.62500	.64914	.024	3.86	3.2721	.045	1
S4	1.2500	1.2479	-.002	-.166	6.2337	.033	1
S5	2.5000	2.4660	-.034	-1.36	12.258	.178	1

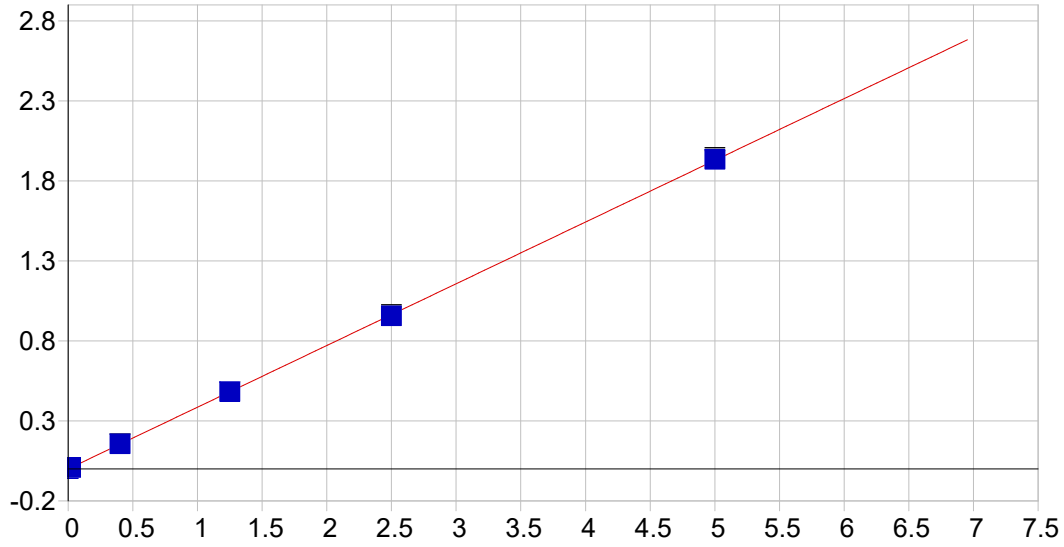


Fe 259.837 {130}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007559	Re-Slope:	1.000000
A1 (Gain):	0.787624	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999721	Status:	OK.
Std Error of Est:	0.000977		
Predicted MDL:	0.002684		
Predicted MQL:	0.008945		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00754	.003	1
S1	.10000	.11864	.019	18.6	.10100	.003	1
S2	.80000	.82641	.026	3.30	.65846	.006	1
S3	2.5000	2.6013	.101	4.05	2.0564	.037	1
S4	5.0000	4.9873	-.013	-.254	3.9357	.024	1
S5	10.000	9.8663	-.134	-1.34	7.7785	.088	1

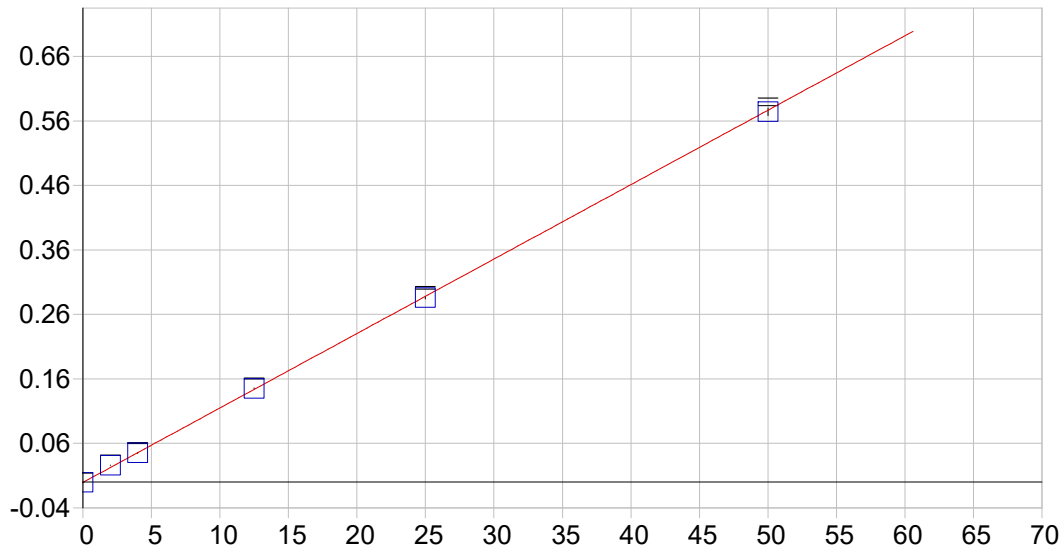


Mn 257.610 {131}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000312	Re-Slope:	1.000000
A1 (Gain):	0.385580	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999984	Status:	OK.
Std Error of Est:	0.000036		
Predicted MDL:	0.001870		
Predicted MQL:	0.006232		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00031	.001	1
S1	.02000	.02056	.001	2.80	.00825	.001	1
S2	.40000	.40307	.003	.766	.15586	.002	1
S3	1.2500	1.2509	.001	.068	.48305	.002	1
S4	2.5000	2.4779	-.022	-.883	.95662	.007	1
S5	5.0000	5.0176	.018	.352	1.9367	.009	1

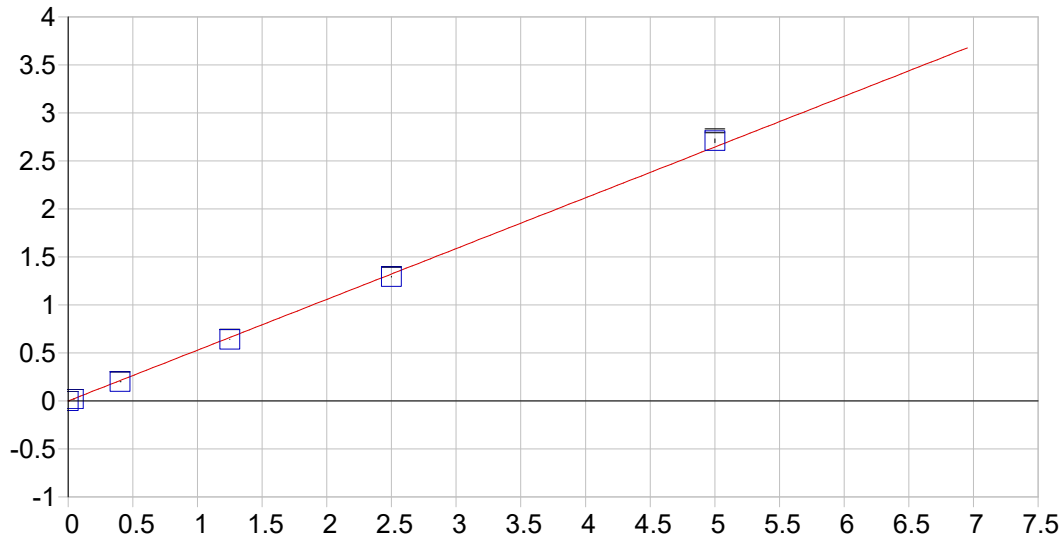


Mg 279.079 {121}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000502	Re-Slope:	1.000000
A1 (Gain):	0.011543	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999727	Status:	OK.
Std Error of Est:	0.000143		
Predicted MDL:	0.076151		
Predicted MQL:	0.253837		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00029	-.000	.000	-.00051	.001	1
S1	2.0000	2.3076	.308	15.4	.02613	.000	1
S2	4.0000	3.9634	-.037	-.914	.04525	.001	1
S3	12.500	12.618	.118	.947	.14516	.001	1
S4	25.000	24.818	-.182	-.727	.28598	.002	1
S5	50.000	49.792	-.208	-.415	.57427	.006	1

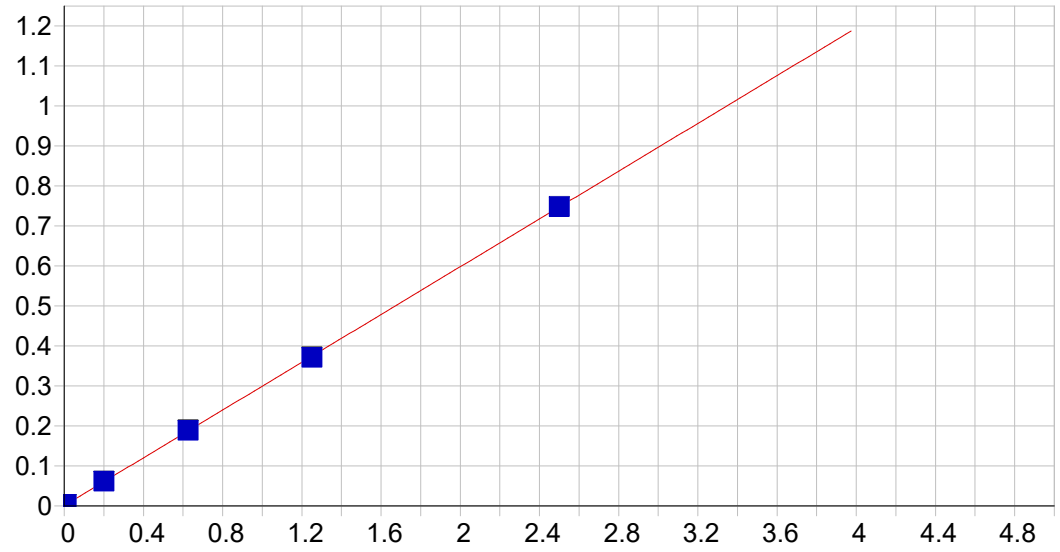


Ni 231.604 {446}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000155	Re-Slope:	1.000000
A1 (Gain):	0.528955	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999624	Status:	OK.
Std Error of Est:	0.000341		
Predicted MDL:	0.000606		
Predicted MQL:	0.002022		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00015	.000	1
S1	.04000	.03864	-.001	-3.40	.02028	.000	1
S2	.40000	.37610	-.024	-5.97	.19879	.000	1
S3	1.2500	1.2112	-.039	-3.11	.64050	.002	1
S4	2.5000	2.4430	-.057	-2.28	1.2921	.003	1
S5	5.0000	5.1211	.121	2.42	2.7087	.020	1

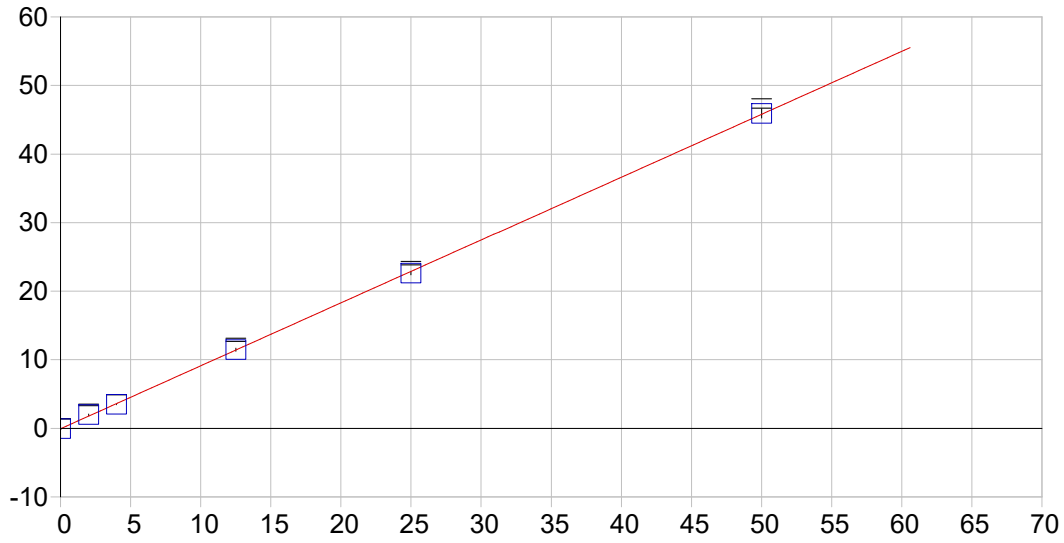


Ag 328.068 {103}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000865	Re-Slope:	1.000000
A1 (Gain):	0.298676	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999969	Status:	OK.
Std Error of Est:	0.000020		
Predicted MDL:	0.001113		
Predicted MQL:	0.003710		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00086	.000	1
S1	.01000	.01123	.001	12.3	.00422	.000	1
S2	.20000	.20250	.003	1.25	.06135	.000	1
S3	.62500	.62957	.005	.731	.18890	.001	1
S4	1.2500	1.2407	-.009	-.743	.37144	.001	1
S5	2.5000	2.5010	.001	.040	.74785	.001	1

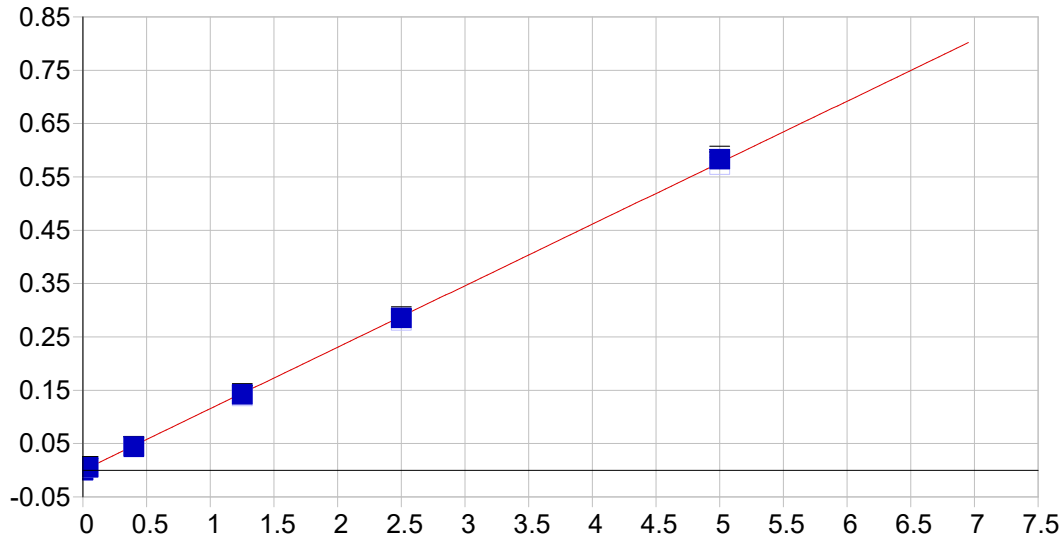


Na 818.326 { 41}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.058001	Re-Slope:	1.000000
A1 (Gain):	0.917215	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999836	Status:	OK.
Std Error of Est:	0.008798		
Predicted MDL:	0.014327		
Predicted MQL:	0.047757		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	-.000	.000	-.05813	.008	1
S1	2.0000	2.2116	.212	10.6	1.9705	.103	1
S2	4.0000	3.8588	-.141	-3.53	3.4814	.023	1
S3	12.500	12.565	.065	.523	11.467	.231	1
S4	25.000	24.740	-.260	-1.04	22.634	.261	1
S5	50.000	50.124	.124	.248	45.916	.685	1

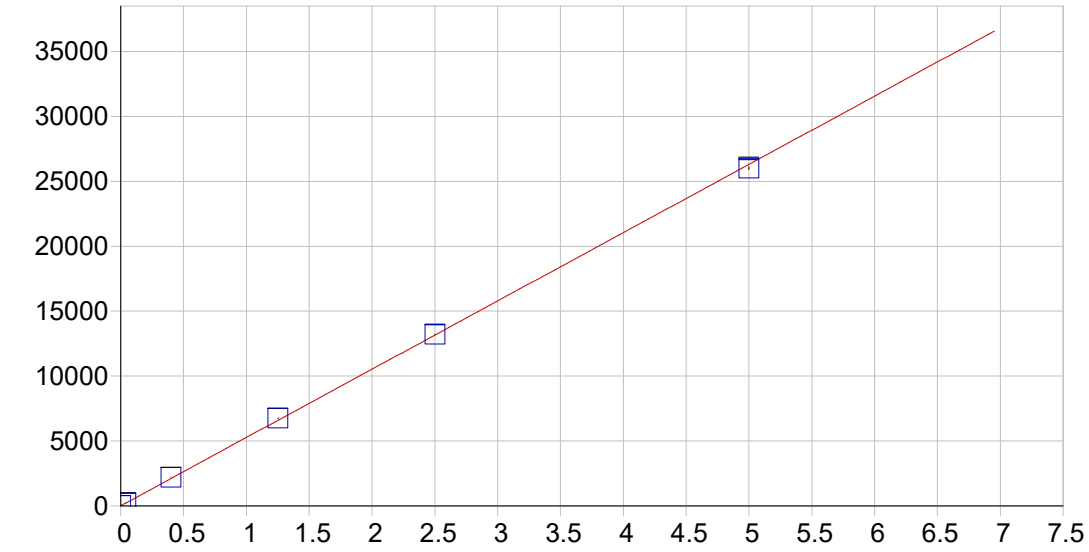


V 292.402 {115}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000039	Re-Slope:	1.000000
A1 (Gain):	0.115319	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999811	Status:	OK.
Std Error of Est:	0.000052		
Predicted MDL:	0.009571		
Predicted MQL:	0.031904		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00004	.001	1
S1	.04000	.04701	.007	17.5	.00526	.001	1
S2	.40000	.38072	-.019	-4.82	.04312	.001	1
S3	1.2500	1.2295	-.020	-1.64	.13926	.002	1
S4	2.5000	2.4763	-.024	-.947	.28046	.002	1
S5	5.0000	5.0566	.057	1.13	.57287	.006	1

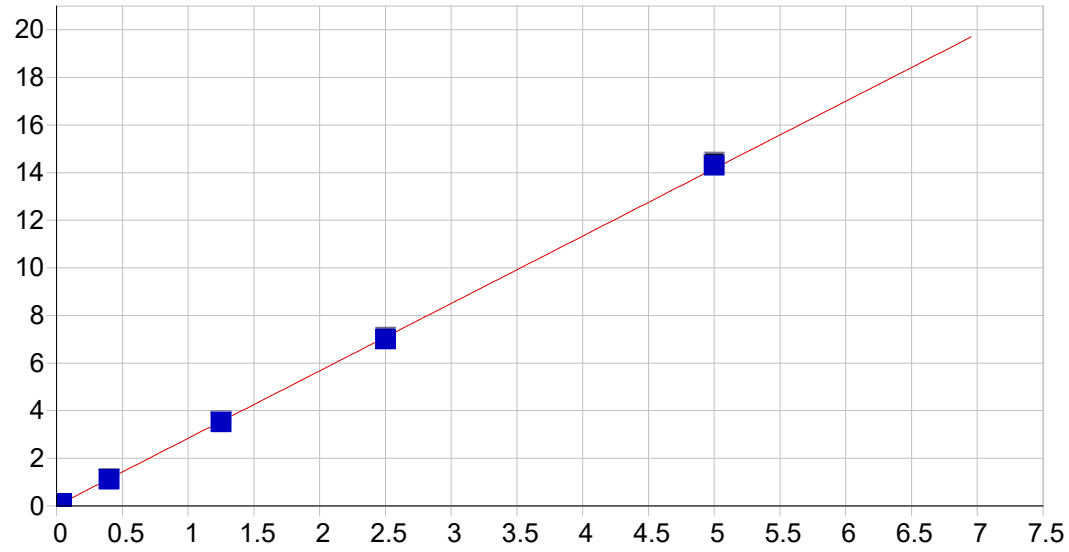


Zn 206.200 {464}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	13.321209	Re-Slope:	1.000000
A1 (Gain):	5258.952068	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999871	Status:	OK.
Std Error of Est:	1.984374		
Predicted MDL:	0.000249		
Predicted MQL:	0.000830		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	13.296	.241	1
S1	.04000	.04251	.003	6.27	236.87	8.04	1
S2	.40000	.41653	.017	4.13	2203.8	2.50	1
S3	1.2500	1.2815	.032	2.52	6752.7	8.88	1
S4	2.5000	2.5090	.009	.359	13208.	26.0	1
S5	5.0000	4.9405	-.060	-1.19	25995.	102.	1

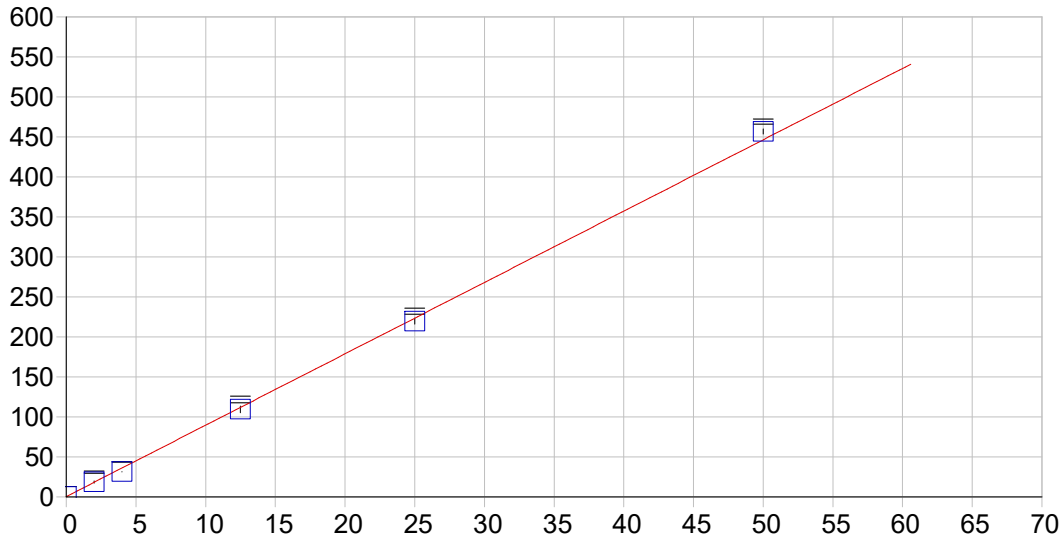


Zn 213.856 {158}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.007682	Re-Slope:	1.000000
A1 (Gain):	2.832576	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999939	Status:	OK.
Std Error of Est:	0.000740		
Predicted MDL:	0.000460		
Predicted MQL:	0.001533		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00769	.001	1
S1	.04000	.03925	-.001	-1.87	.11970	.001	1
S2	.40000	.39027	-.010	-2.43	1.1214	.007	1
S3	1.2500	1.2408	-.009	-.738	3.5480	.011	1
S4	2.5000	2.4708	-.029	-1.17	7.0579	.031	1
S5	5.0000	5.0489	.049	.978	14.412	.030	1

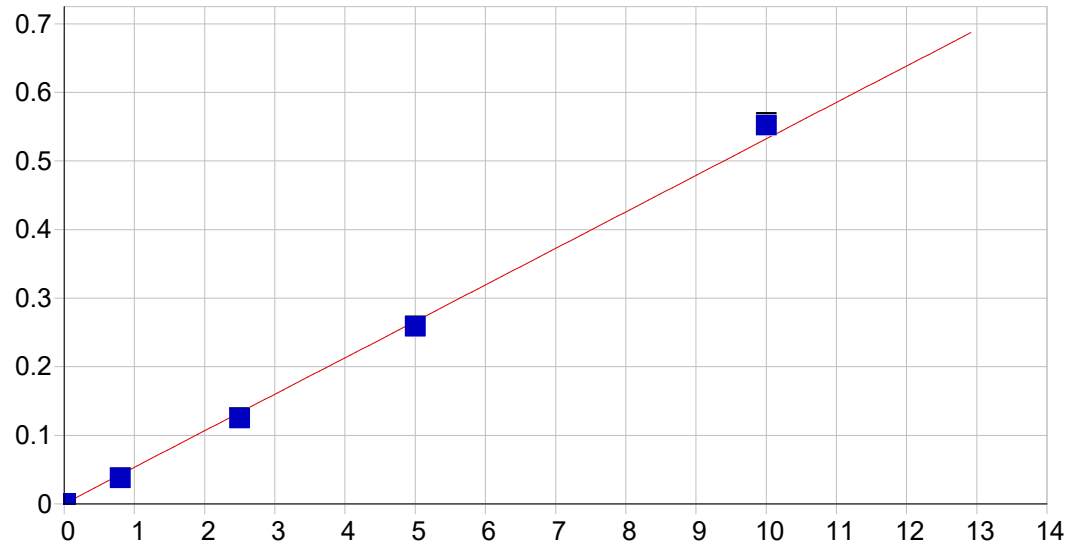


K 769.896 { 44}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.487713	Re-Slope:	1.000000
A1 (Gain):	8.918540	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999418	Status:	OK.
Std Error of Est:	0.160990		
Predicted MDL:	0.001313		
Predicted MQL:	0.004378		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00025	.000	.000	.48996	.038	1
S1	2.0000	2.0384	.038	1.92	18.667	1.42	1
S2	4.0000	3.4784	-.522	-13.0	31.510	.207	1
S3	12.500	12.226	-.274	-2.19	109.53	4.27	1
S4	25.000	24.589	-.411	-1.64	219.78	3.89	1
S5	50.000	51.168	1.17	2.34	456.83	3.34	1

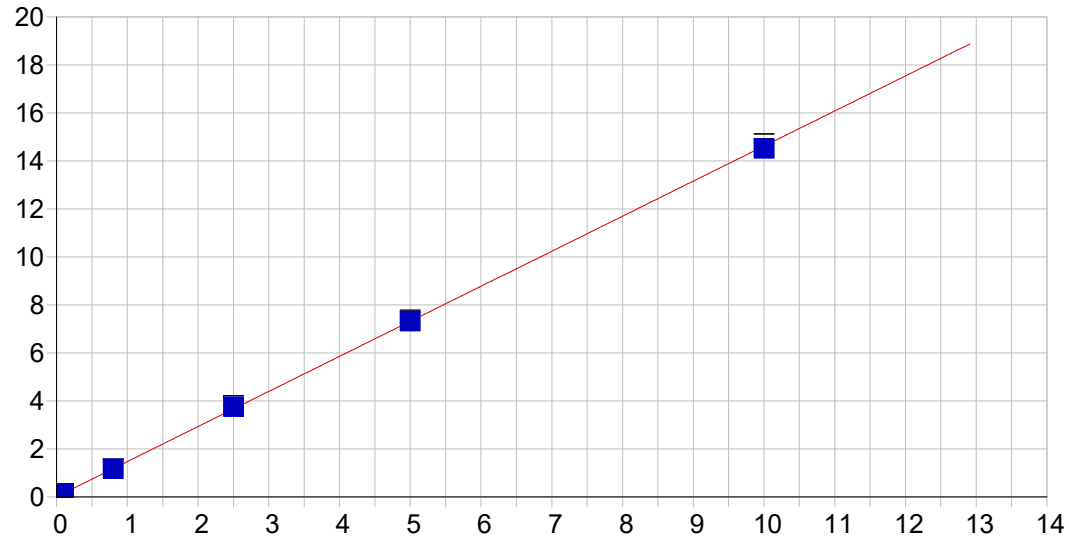


P 177.495 {490}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000233	Re-Slope:	1.000000
A1 (Gain):	0.053182	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998972	Status:	OK.
Std Error of Est:	0.000056		
Predicted MDL:	0.002775		
Predicted MQL:	0.009250		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00023	.000	1
S1	.02000	.02105	.001	5.25	.00134	.000	1
S2	.80000	.70886	-.091	-11.4	.03783	.000	1
S3	2.5000	2.3510	-.149	-5.96	.12495	.001	1
S4	5.0000	4.8604	-.140	-2.79	.25811	.001	1
S5	10.000	10.379	.379	3.79	.55097	.004	1

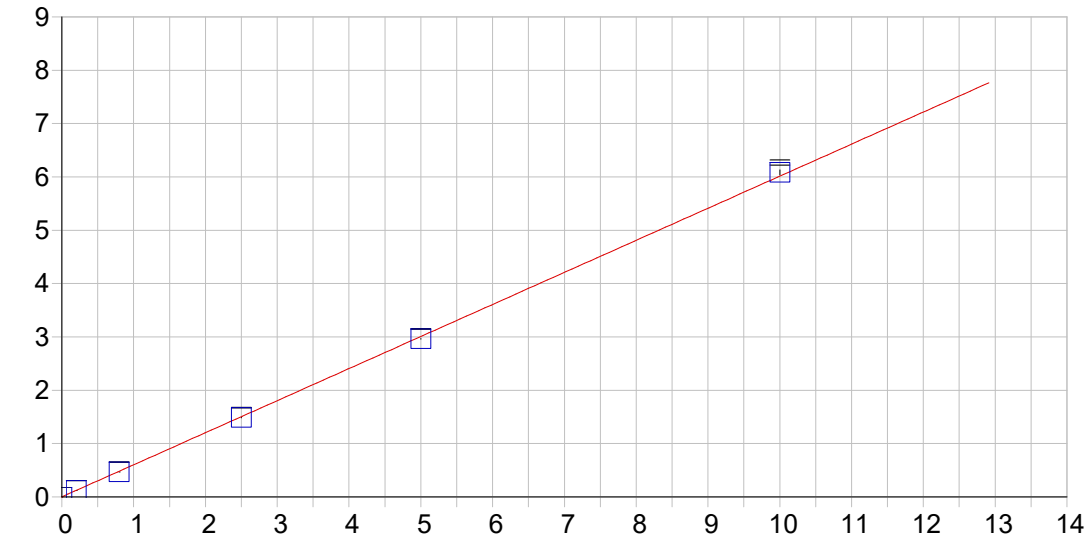


B 249.678 {135}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.012349	Re-Slope:	1.000000
A1 (Gain):	1.460640	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999939	Status:	OK.
Std Error of Est:	0.000846		
Predicted MDL:	0.001606		
Predicted MQL:	0.005352		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.01234	.002	1
S1	.10000	.10493	.005	4.93	.16545	.000	1
S2	.80000	.79615	-.004	-.481	1.1744	.010	1
S3	2.5000	2.5614	.061	2.45	3.7508	.056	1
S4	5.0000	5.0056	.006	.112	7.3182	.048	1
S5	10.000	9.9320	-.068	-.680	14.508	.200	1

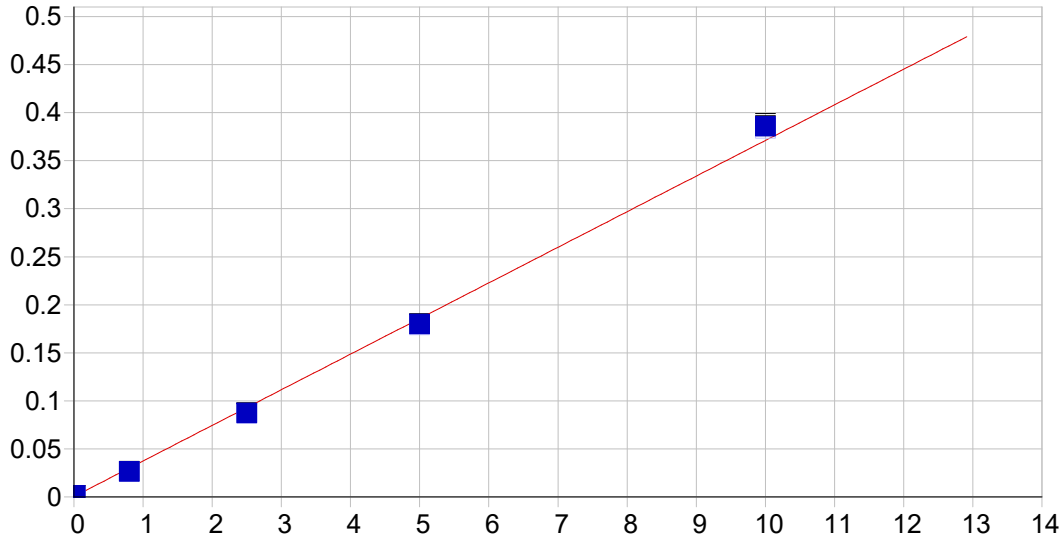


Mo 202.030 {467}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000911	Re-Slope:	1.000000
A1 (Gain):	0.601269	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999909	Status:	OK.
Std Error of Est:	0.000605		
Predicted MDL:	0.000519		
Predicted MQL:	0.001731		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00092	.000	1
S1	.20000	.20066	.001	.332	.12156	.000	1
S2	.80000	.78095	-.019	-2.38	.47047	.000	1
S3	2.5000	2.4720	-.028	-1.12	1.4872	.006	1
S4	5.0000	4.9248	-.075	-1.50	2.9620	.006	1
S5	10.000	10.122	.122	1.22	6.0867	.048	1

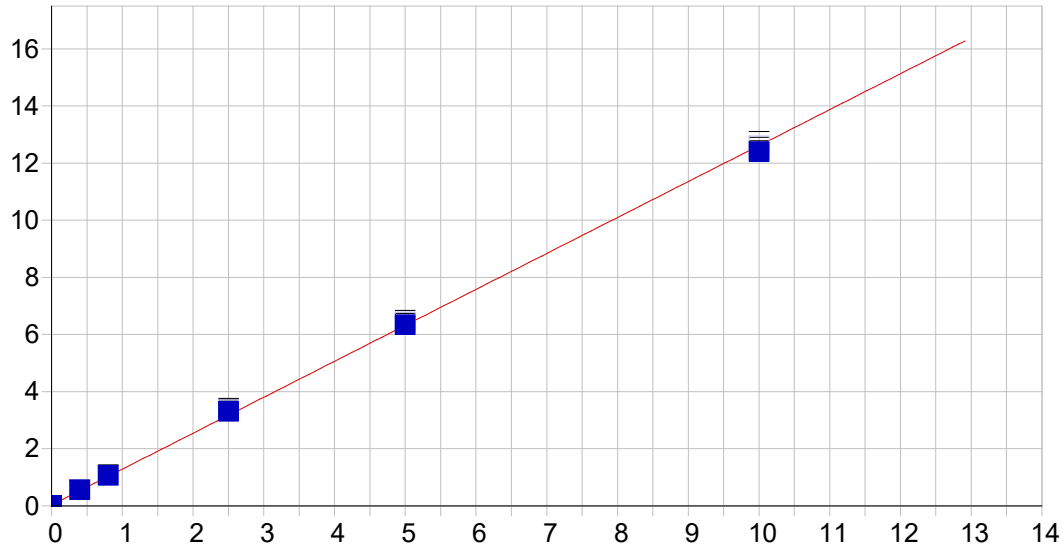


S 182.034 {485}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000338	Re-Slope:	1.000000
A1 (Gain):	0.037072	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998791	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.003894		
Predicted MQL:	0.012979		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00034	.000	1
S1	.02000	.02582	.006	29.1	.00124	.000	1
S2	.80000	.70279	-.097	-12.2	.02619	.000	1
S3	2.5000	2.3453	-.155	-6.19	.08667	.000	1
S4	5.0000	4.8466	-.153	-3.07	.17878	.000	1
S5	10.000	10.400	.400	4.00	.38342	.003	1

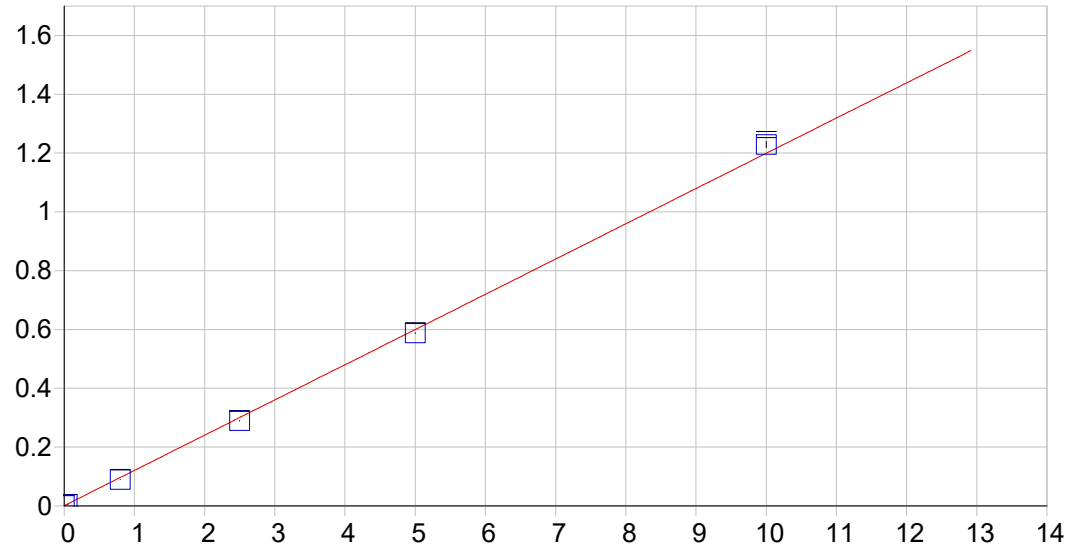


Si 251.611 {134}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.027927	Re-Slope:	1.000000
A1 (Gain):	1.258710	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999746	Status:	OK.
Std Error of Est:	0.003050		
Predicted MDL:	0.001693		
Predicted MQL:	0.005644		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00005	-.000	.000	.02787	.004	1
S1	.40000	.42519	.025	6.30	.56604	.010	1
S2	.80000	.82373	.024	2.97	1.0810	.007	1
S3	2.5000	2.6062	.106	4.25	3.3593	.056	1
S4	5.0000	5.0166	.017	.331	6.4441	.059	1
S5	10.000	9.8285	-.171	-1.71	12.603	.161	1

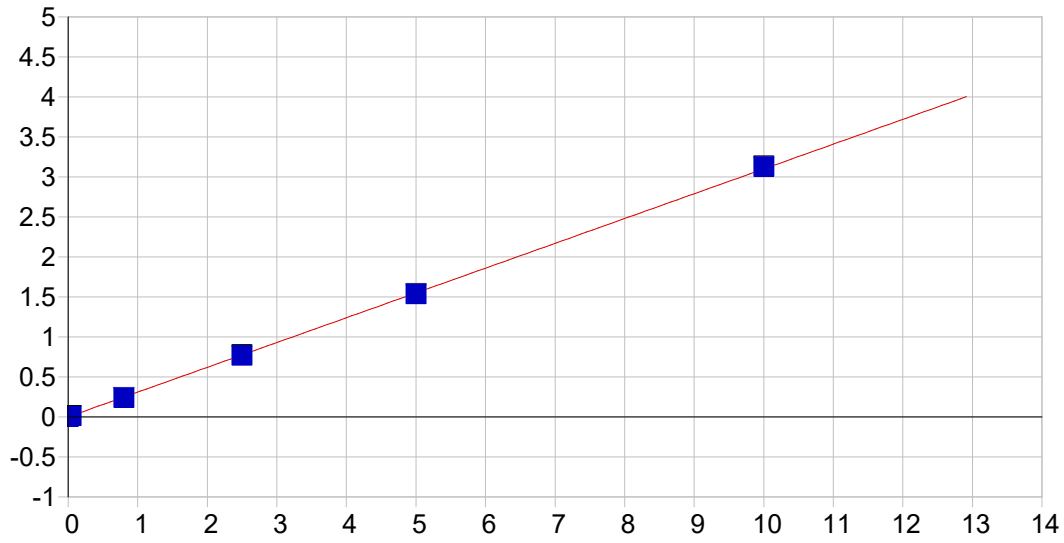


Sn 189.989 {478}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000896	Re-Slope:	1.000000
A1 (Gain):	0.119821	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999564	Status:	OK.
Std Error of Est:	0.000117		
Predicted MDL:	0.001138		
Predicted MQL:	0.003794		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00090	.000	1
S1	.04000	.03956	-.000	-1.10	.00564	.000	1
S2	.80000	.74076	-.059	-7.40	.08965	.000	1
S3	2.5000	2.4095	-.090	-3.62	.28961	.001	1
S4	5.0000	4.8993	-.101	-2.01	.58794	.001	1
S5	10.000	10.251	.251	2.51	1.2292	.010	1

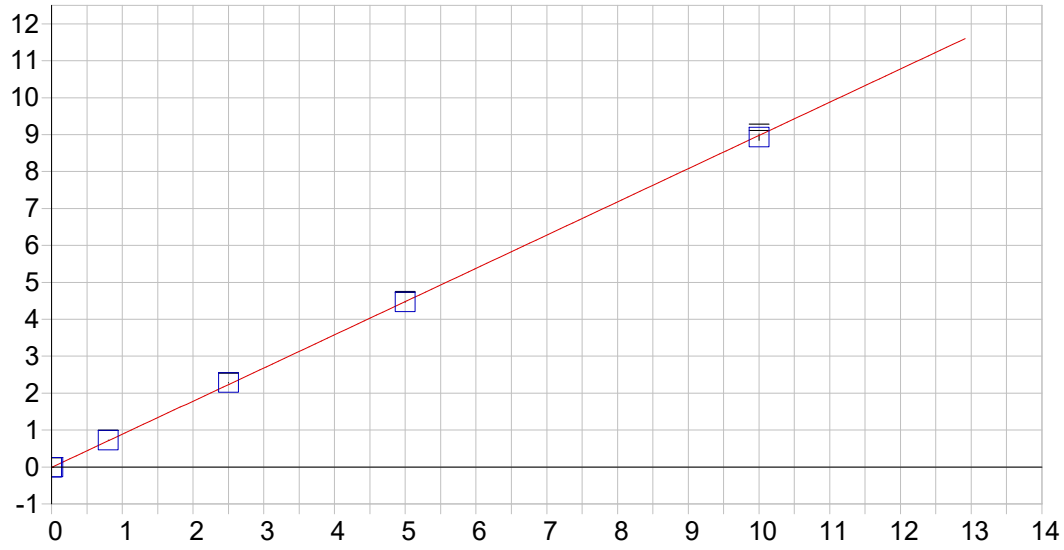


Ti 336.121 {100}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000231	Re-Slope:	1.000000
A1 (Gain):	0.309959	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999946	Status:	OK.
Std Error of Est:	0.000107		
Predicted MDL:	0.005033		
Predicted MQL:	0.016777		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00023	.001	1
S1	.04000	.04149	.001	3.73	.01262	.001	1
S2	.80000	.77979	-.020	-2.53	.24135	.002	1
S3	2.5000	2.4763	-.024	-.949	.76693	.008	1
S4	5.0000	4.9545	-.045	-.910	1.5347	.007	1
S5	10.000	10.088	.088	.879	3.1251	.009	1

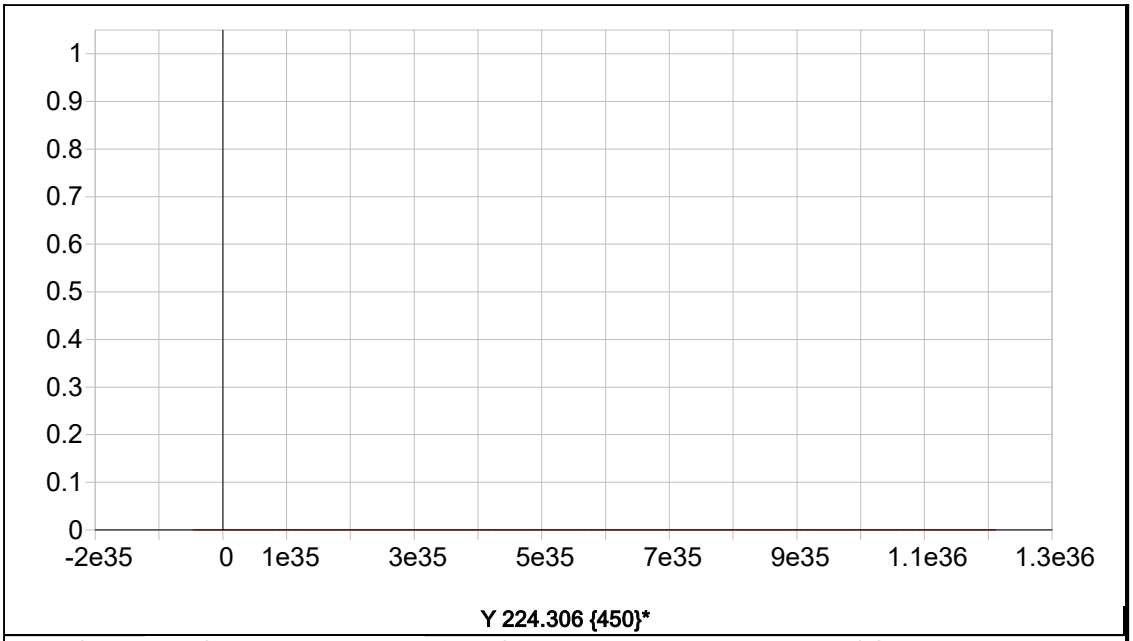


Li 670.784 { 50}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.015712	Re-Slope:	1.000000
A1 (Gain):	0.899381	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999848	Status:	OK.
Std Error of Est:	0.000367		
Predicted MDL:	0.007847		
Predicted MQL:	0.026158		

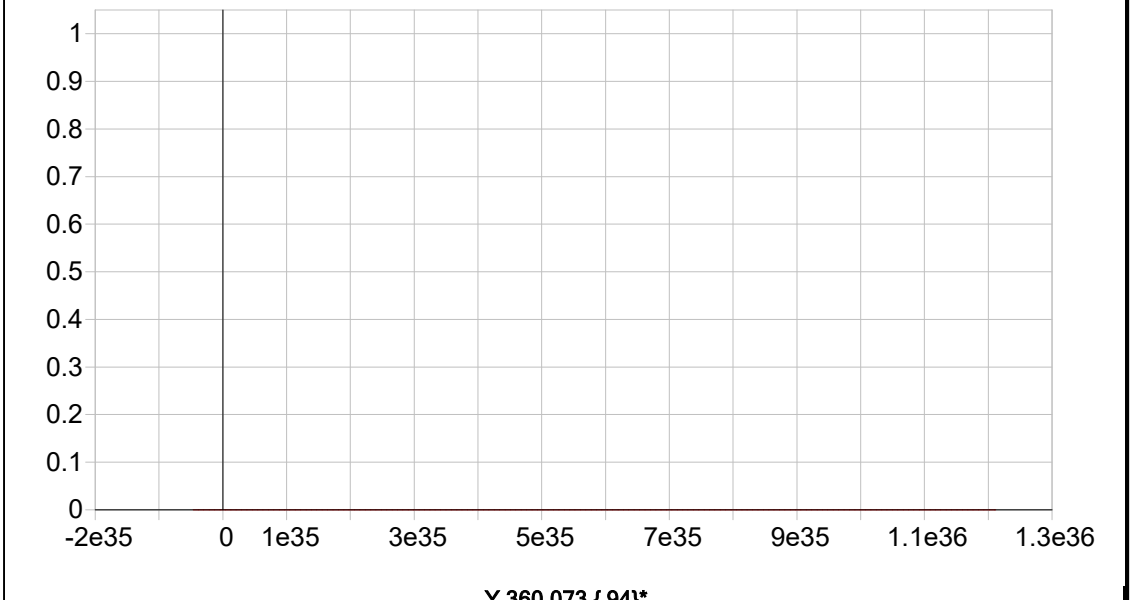
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.01571	.008	1
S5	10.000	9.9456	-.054	-.544	8.9292	.088	1
S4	5.0000	4.9882	-.012	-.236	4.4706	.016	1
S3	2.5000	2.5535	.053	2.14	2.2809	.005	1
S2	.80000	.82110	.021	2.64	.72277	.002	1
S1	.02000	.01159	-.008	-42.0	-.00529	.002	1



Y 224.306 {450}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

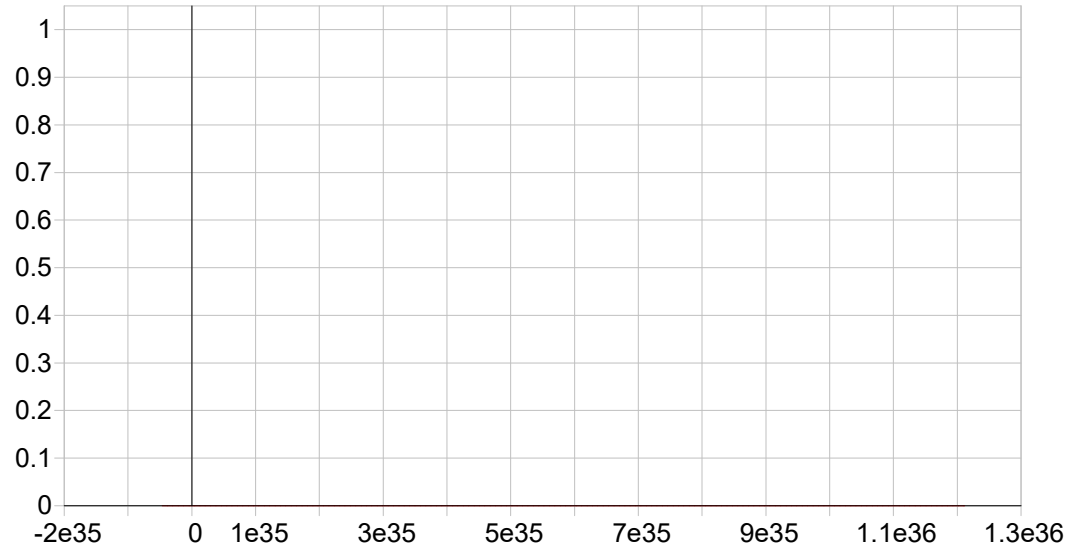


Y 360.073 { 94}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

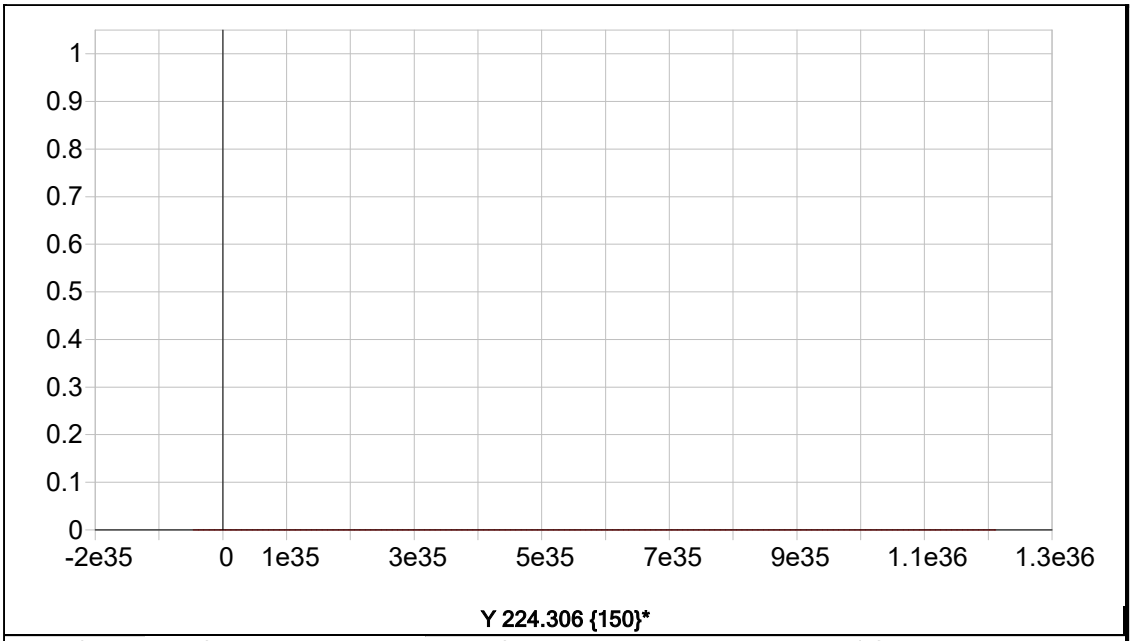
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 371.030 { 91}*

Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):		0.000000		Re-Slope:	1.000000	
A1 (Gain):		0.000000		Y-int:	0.000000	
A2 (Curvature):		0.000000				
n (Exponent):		1.000000				
Correlation:		0.000000		Status:	Warning	Zero Gain
Std Error of Est:		0.000000				
Predicted MDL:		n/a				
Predicted MQL:		n/a				

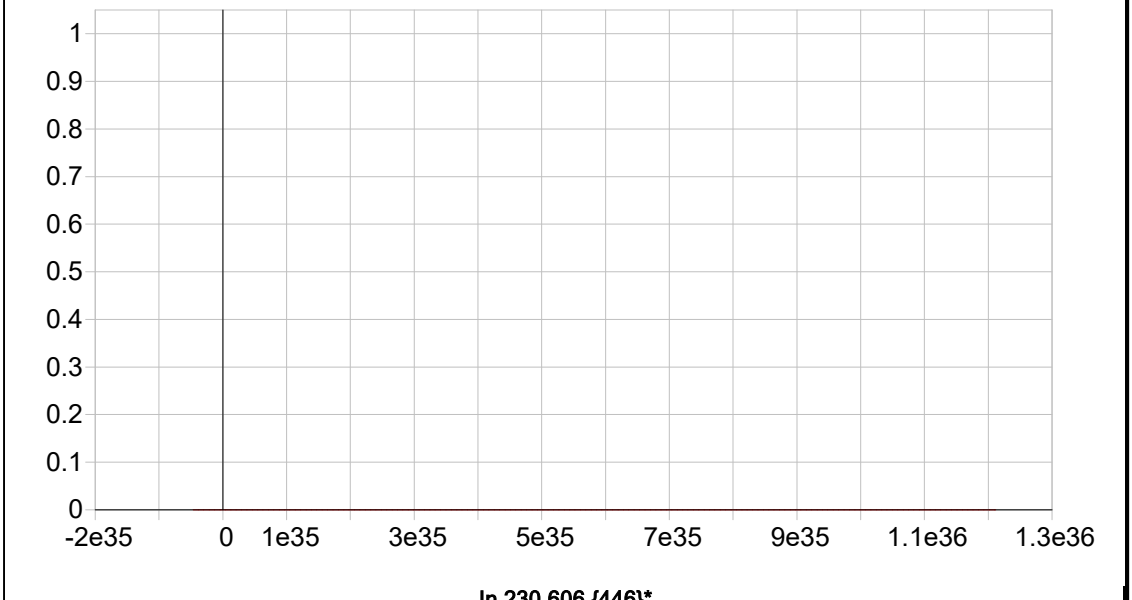
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 224.306 {150}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

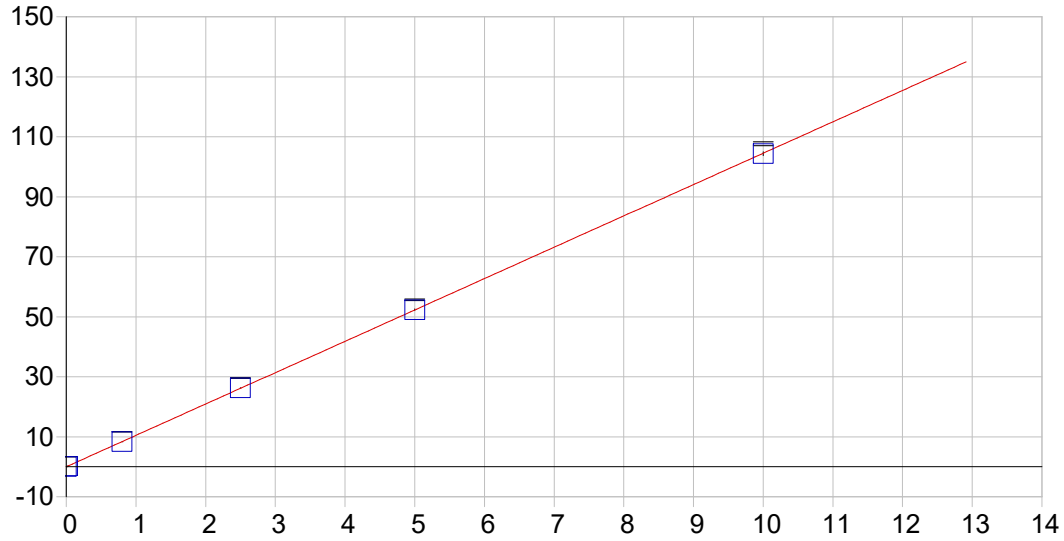


In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Sr 407.771 { 83}

Date of Fit:	7/10/2025 6:05:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002498	Re-Slope:	1.000000
A1 (Gain):	10.451318	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000577		
Predicted MDL:	0.000266		
Predicted MQL:	0.000887		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00249	.004	1
S1	.02000	.02035	.000	1.74	.21515	.001	1
S2	.80000	.79887	-.001	-.141	8.3517	.028	1
S3	2.5000	2.5125	.013	.501	26.262	.087	1
S4	5.0000	5.0047	.005	.093	52.308	.270	1
S5	10.000	9.9836	-.016	-.164	104.34	.612	1

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S0 Acquired: 7/10/2025 16:46:00 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00009**	**-.00053**	**.00037**	**.00007**	**.00080**	**-.00097**	**.01648**	**.00502**
Stddev	.00007	.00006	.00042	.00032	.00007	.00329	.00301	.00098
%RSD	74.573	10.401	113.56	455.35	9.2343	338.50	18.256	19.448
#1	-.00004	-.00048	.00063	.00044	.00073	.00275	.01506	.00613
#2	-.00017	-.00052	-.00012	-.00007	.00088	-.00216	.01994	.00428
#3	-.00007	-.00059	.00060	-.00016	.00080	-.00350	.01445	.00466

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00063**	**.00814**	**.00069**	**.00025**	**.06149**	**.00754**	**.00031**	**-.00051**
Stddev	.00013	.00090	.00013	.00008	.00691	.00324	.00132	.00064
%RSD	20.704	11.002	18.128	33.228	11.229	42.982	423.56	127.01
#1	.00078	.00858	.00078	.00018	.06171	.01069	.00181	-.00053
#2	.00059	.00711	.00074	.00024	.06829	.00772	-.00070	.00015
#3	.00052	.00873	.00055	.00034	.05448	.00421	-.00017	-.00113

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00015**	**.00086**	**-.05813**	**.00004**	**.00769**	**.48996**	**.00023**	**.01234**
Stddev	.00035	.00022	.00816	.00112	.00110	.03825	.00012	.00246
%RSD	233.06	24.934	14.042	2950.0	14.370	7.8065	51.483	19.946
#1	.00015	.00111	-.05339	.00133	.00803	.53405	.00017	.01518
#2	-.00054	.00069	-.05343	-.00052	.00858	.47019	.00037	.01098
#3	-.00006	.00079	-.06755	-.00069	.00645	.46565	.00016	.01086

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00092**	**.00034**	**.02787**	**.00090**	**-.00023**	**-.01571**	**.00249**
Stddev	.00026	.00007	.00359	.00006	.00092	.00772	.00446
%RSD	28.194	20.965	12.894	6.3438	399.70	49.124	179.00
#1	.00064	.00026	.02880	.00085	-.00125	-.00787	.00624
#2	.00096	.00038	.02390	.00088	.00054	-.01595	-.00245
#3	.00115	.00037	.03090	.00096	.00002	-.02330	.00369

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S0 Acquired: 7/10/2025 16:46:00 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3674.6	36436.	2321.7	2253.6	5489.9
Stddev	11.7	67.	113.0	4.2	18.4
%RSD	.31968	.18462	4.8665	.18780	.33531
#1	3661.4	36478.	2197.3	2257.7	5468.7
#2	3683.8	36358.	2349.7	2249.3	5501.6
#3	3678.6	36471.	2418.0	2254.0	5499.3

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S1 Acquired: 7/10/2025 16:50:33 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00075**	**.00327**	**.00250**	**.00116**	**.00771**	**.01204**	**.41925**	**.09264**
Stddev	.00017	.00023	.00050	.00010	.00047	.00194	.00651	.00142
%RSD	22.433	7.0959	19.935	8.9347	6.0426	16.106	1.5516	1.5355
#1	.00070	.00300	.00215	.00114	.00796	.01427	.42169	.09424
#2	.00062	.00338	.00228	.00106	.00799	.01109	.41188	.09151
#3	.00094	.00342	.00307	.00126	.00717	.01076	.42418	.09218

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02004**	**.20261**	**.00365**	**.02572**	**.16984**	**.10100**	**.00825**	**.02613**
Stddev	.00022	.00458	.00013	.00031	.00032	.00317	.00076	.00039
%RSD	1.0926	2.2589	3.5206	1.1870	.18651	3.1412	9.2522	1.4793
#1	.01990	.20177	.00368	.02551	.16948	.10379	.00893	.02576
#2	.01992	.19851	.00351	.02607	.17003	.09755	.00743	.02611
#3	.02029	.20755	.00377	.02558	.17001	.10166	.00840	.02653

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02028**	**.00422**	**1.9705**	**.00526**	**.11970**	**18.667**	**.00134**	**.16545**
Stddev	.00034	.00013	.1027	.00139	.00096	1.424	.00010	.00045
%RSD	1.6578	3.0673	5.2109	26.410	.80325	7.6294	7.1106	.27017
#1	.02002	.00432	2.0018	.00570	.11860	18.826	.00126	.16495
#2	.02066	.00407	1.8558	.00637	.12038	17.170	.00132	.16580
#3	.02017	.00426	2.0539	.00370	.12011	20.005	.00145	.16560

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.12156**	**.00124**	**.56604**	**.00564**	**.01262**	**-.00529**	**.21515**
Stddev	.00022	.00006	.01002	.00002	.00140	.00237	.00074
%RSD	.18003	4.6345	1.7708	.44097	11.100	44.759	.34304
#1	.12160	.00130	.57433	.00561	.01407	-.00262	.21571
#2	.12133	.00122	.55490	.00565	.01128	-.00611	.21432
#3	.12177	.00119	.56891	.00565	.01250	-.00713	.21543

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S1 Acquired: 7/10/2025 16:50:33 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3565.5	36559.	2362.4	2324.4	5232.0
Stddev	151.5	137.	23.0	21.1	213.4
%RSD	4.2485	.37513	.97476	.90917	4.0786
#1	3411.9	36661.	2367.5	2332.7	5016.6
#2	3714.8	36612.	2382.4	2300.3	5443.3
#3	3569.7	36403.	2337.3	2340.1	5236.1

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S2 Acquired: 7/10/2025 16:55:00 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02949**	**.08298**	**.17290**	**.04580**	**.10585**	**.18283**	**6.3239**	**.50996**
Stddev	.00015	.00044	.00060	.00033	.00020	.00137	.0424	.00320
%RSD	.49180	.52622	.34756	.72509	.18564	.75031	.67093	.62830
#1	.02943	.08339	.17225	.04603	.10594	.18427	6.2797	.51019
#2	.02939	.08252	.17343	.04542	.10562	.18154	6.3278	.50665
#3	.02966	.08302	.17301	.04595	.10597	.18267	6.3643	.51305

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.2703**	**.38571**	**.04530**	**.32706**	**1.1004**	**.65846**	**.15586**	**.04525**
Stddev	.0013	.00196	.00021	.00005	.0107	.00631	.00194	.00077
%RSD	.10249	.50855	.46622	.01639	.97034	.95773	1.2470	1.6962
#1	1.2690	.38556	.04543	.32712	1.0940	.65401	.15367	.04594
#2	1.2704	.38383	.04542	.32701	1.0945	.65569	.15656	.04538
#3	1.2716	.38775	.04506	.32705	1.1127	.66567	.15737	.04442

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.19879**	**.06135**	**3.4814**	**.04312**	**1.1214**	**31.510**	**.03783**	**1.1744**
Stddev	.00038	.00019	.0226	.00056	.0069	.207	.00003	.0103
%RSD	.19037	.30837	.64984	1.3026	.61181	.65585	.07660	.87645
#1	.19850	.06140	3.4969	.04303	1.1248	31.698	.03782	1.1651
#2	.19864	.06114	3.4554	.04261	1.1259	31.289	.03787	1.1725
#3	.19922	.06151	3.4918	.04372	1.1135	31.543	.03781	1.1854

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.47047**	**.02619**	**1.0810**	**.08965**	**.24135**	**.72277**	**8.3517**
Stddev	.00031	.00017	.0072	.00025	.00166	.00194	.0277
%RSD	.06526	.64930	.66985	.28433	.68946	.26852	.33121
#1	.47029	.02600	1.0782	.08958	.23991	.72191	8.3360
#2	.47082	.02631	1.0756	.08945	.24097	.72499	8.3355
#3	.47029	.02628	1.0893	.08994	.24317	.72140	8.3837

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S2 Acquired: 7/10/2025 16:55:00 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3696.9**	**36597.**	**2449.9**	**2270.3**	**5314.7**
Stddev	8.4	72.	20.0	6.0	14.3
%RSD	.22746	.19727	.81786	.26465	.26825
#1	3703.7	36549.	2459.1	2267.3	5329.0
#2	3699.5	36562.	2463.6	2266.4	5314.8
#3	3687.5	36680.	2426.9	2277.2	5300.4

Sample Name: S3 Acquired: 7/10/2025 16:59:16 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09768**	**.26510**	**.55861**	**.14343**	**.33211**	**.57451**	**19.890**	**1.5941**
Stddev	.00053	.00051	.00147	.00066	.00082	.00078	.103	.0226
%RSD	.54624	.19343	.26348	.46249	.24592	.13630	.51702	1.4191
#1	.09731	.26450	.55763	.14412	.33175	.57520	19.887	1.6154
#2	.09829	.26543	.56031	.14336	.33305	.57468	19.994	1.5966
#3	.09743	.26535	.55791	.14280	.33154	.57366	19.789	1.5703

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.1471**	**1.1925**	**.14217**	**1.0561**	**3.2721**	**2.0564**	**.48305**	**.14516**
Stddev	.0075	.0075	.00035	.0028	.0449	.0369	.00171	.00074
%RSD	.18121	.62558	.24569	.26438	1.3710	1.7931	.35394	.51233
#1	4.1417	1.1963	.14191	1.0545	3.3167	2.0941	.48275	.14445
#2	4.1557	1.1974	.14257	1.0593	3.2726	2.0548	.48489	.14509
#3	4.1439	1.1839	.14204	1.0544	3.2270	2.0204	.48151	.14593

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.64050**	**.18890**	**11.467**	**.13926**	**3.5480**	**109.53**	**.12495**	**3.7508**
Stddev	.00172	.00093	.231	.00171	.0108	4.27	.00052	.0563
%RSD	.26811	.49055	2.0116	1.2256	.30495	3.8967	.41826	1.5005
#1	.63965	.18794	11.667	.13810	3.5406	114.34	.12460	3.7970
#2	.64248	.18979	11.520	.14122	3.5431	108.04	.12555	3.7673
#3	.63937	.18897	11.215	.13845	3.5605	106.21	.12471	3.6881

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.4872**	**.08667**	**3.3593**	**.28961**	**.76693**	**2.2809**	**26.262**
Stddev	.0056	.00037	.0556	.00074	.00779	.0045	.086
%RSD	.37912	.42910	1.6554	.25546	1.0160	.19899	.32939
#1	1.4846	.08654	3.4010	.28899	.76121	2.2860	26.261
#2	1.4937	.08709	3.3807	.29043	.77580	2.2793	26.348
#3	1.4834	.08637	3.2962	.28941	.76377	2.2773	26.175

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S3 Acquired: 7/10/2025 16:59:16 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3609.7	35360.	2390.4	2204.3	5001.4
Stddev	8.3	92.	28.7	8.6	12.7
%RSD	.22918	.26119	1.2023	.38796	.25370
#1	3613.8	35444.	2364.1	2209.7	5008.9
#2	3600.2	35376.	2385.9	2208.7	4986.8
#3	3615.1	35261.	2421.1	2194.4	5008.6

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S4 Acquired: 7/10/2025 17:03:33 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.20160**	**.52884**	**1.1241**	**.28760**	**.66218**	**1.1440**	**39.604**	**3.0800**
Stddev	.00056	.00162	.0025	.00097	.00120	.0062	.185	.0170
%RSD	.27760	.30576	.21866	.33610	.18173	.54329	.46796	.55024
#1	.20147	.52707	1.1236	.28675	.66082	1.1411	39.566	3.0917
#2	.20112	.52919	1.1220	.28741	.66258	1.1512	39.806	3.0877
#3	.20221	.53025	1.1268	.28865	.66312	1.1398	39.441	3.0606

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8.4360**	**2.3646**	**.28119**	**2.1356**	**6.2337**	**3.9357**	**.95662**	**.28598**
Stddev	.0252	.0076	.00095	.0051	.0330	.0244	.00701	.00192
%RSD	.29847	.32185	.33809	.24088	.53001	.62049	.73231	.67173
#1	8.4226	2.3597	.28194	2.1322	6.2624	3.9424	.95734	.28384
#2	8.4203	2.3733	.28150	2.1331	6.2411	3.9560	.96323	.28655
#3	8.4650	2.3606	.28012	2.1415	6.1976	3.9086	.94928	.28756

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.2921**	**.37144**	**22.634**	**.28046**	**7.0579**	**219.78**	**.25811**	**7.3182**
Stddev	.0032	.00054	.261	.00210	.0311	3.89	.00081	.0479
%RSD	.24894	.14421	1.1538	.74959	.44010	1.7720	.31513	.65465
#1	1.2897	.37086	22.876	.27930	7.0462	223.54	.25786	7.3600
#2	1.2908	.37153	22.669	.28289	7.0344	220.04	.25744	7.3285
#3	1.2957	.37192	22.357	.27920	7.0931	215.76	.25901	7.2659

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.9620**	**.17878**	**6.4441**	**.58794**	**1.5347**	**4.4706**	**52.308**
Stddev	.0060	.00029	.0590	.00130	.0073	.0159	.270
%RSD	.20142	.15965	.91541	.22096	.47661	.35624	.51671
#1	2.9557	.17853	6.4901	.58708	1.5330	4.4543	52.146
#2	2.9628	.17872	6.4645	.58730	1.5427	4.4861	52.620
#3	2.9675	.17909	6.3776	.58943	1.5284	4.4713	52.158

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S4 Acquired: 7/10/2025 17:03:33 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3560.1	35018.	2426.4	2172.6	4804.5
Stddev	4.5	136.	16.8	11.7	9.6
%RSD	.12763	.38713	.69153	.54065	.19892
#1	3555.5	34867.	2414.8	2183.4	4798.3
#2	3564.6	35060.	2418.8	2174.2	4815.5
#3	3560.3	35128.	2445.7	2160.1	4799.6

Sample Name: S5 Acquired: 7/10/2025 17:07:50 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.43112	1.0821	2.3585	.59249	1.3621	2.2935	79.434	6.1066
Stddev	.00278	.0073	.0189	.00449	.0101	.0192	.262	.0708
%RSD	.64493	.67213	.80324	.75764	.73812	.83671	.32991	1.1594
#1	.42872	1.0764	2.3452	.58855	1.3534	2.2714	79.150	6.1553
#2	.43046	1.0797	2.3501	.59156	1.3598	2.3050	79.667	6.1390
#3	.43416	1.0903	2.3802	.59738	1.3731	2.3042	79.486	6.0253

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	17.657	4.7820	.56469	4.4778	12.258	7.7785	1.9367	.57427
Stddev	.140	.0311	.00184	.0326	.178	.0883	.0089	.00615
%RSD	.79265	.64963	.32546	.72889	1.4550	1.1359	.45768	1.0710
#1	17.555	4.7470	.56350	4.4505	12.367	7.8239	1.9324	.56745
#2	17.600	4.8063	.56377	4.4690	12.356	7.8349	1.9469	.57941
#3	17.817	4.7927	.56681	4.5140	12.053	7.6767	1.9308	.57594

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.7087	.74785	45.916	.57287	14.412	456.83	.55097	14.508
Stddev	.0199	.00125	.685	.00567	.030	3.34	.00376	.200
%RSD	.73417	.16697	1.4919	.99008	.20605	.73020	.68159	1.3768
#1	2.6936	.74777	46.404	.56676	14.382	459.86	.54764	14.633
#2	2.7013	.74665	46.212	.57797	14.413	457.37	.55023	14.614
#3	2.7312	.74914	45.133	.57387	14.441	453.26	.55504	14.278

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.0867	.38342	12.603	1.2292	3.1251	8.9292	104.34
Stddev	.0480	.00297	.161	.0101	.0094	.0880	.61
%RSD	.78911	.77380	1.2801	.82289	.30012	.98564	.58675
#1	6.0444	.38097	12.694	1.2221	3.1170	8.8299	103.64
#2	6.0768	.38257	12.698	1.2246	3.1354	8.9599	104.73
#3	6.1389	.38672	12.416	1.2408	3.1229	8.9977	104.67

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: S5 Acquired: 7/10/2025 17:07:50 Type: Cal
Method: METHOD 6010D, 200.7 M(v32) Mode: IR Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3410.9	34050.	2399.8	2093.4	4477.6
Stddev	22.6	197.	22.2	11.4	31.6
%RSD	.66160	.57712	.92348	.54643	.70586
#1	3420.6	34131.	2383.4	2100.6	4486.1
#2	3427.0	34194.	2391.0	2099.3	4504.0
#3	3385.1	33826.	2425.0	2080.2	4442.5

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICV01 Acquired: 7/10/2025 18:39:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.954670**	**4.106180**	**4.056826**	**4.193109**	**4.020508**	**7.802831**
Stddev	.010690	.015214	.014026	.002587	.006209	.041418
%RSD	.2703081	.3705069	.3457395	.0616979	.1544405	.5308071
#1	3.966830	4.123709	4.072417	4.195984	4.027664	7.840794
#2	3.950426	4.096408	4.052827	4.192374	4.017304	7.758659
#3	3.946753	4.098424	4.045233	4.190969	4.016555	7.809039

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.857553**	**.2091446**	**2.052182**	**19.80611**	**.8003768**	**1.912002**
Stddev	.047177	.0004078	.007028	.12836	.0005609	.007890
%RSD	.6004015	.1949765	.3424497	.6480642	.0700855	.4126400
#1	7.872995	.2091502	2.060092	19.89706	.8009014	1.921024
#2	7.804591	.2087340	2.049795	19.65929	.8004435	1.906392
#3	7.895074	.2095495	2.046658	19.86198	.7997855	1.908592

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.036779**	**4.104919**	**1.975891**	**20.30402**	**1.987820**	**.9105796**
Stddev	.001700	.002723	.010940	.20529	.008954	.0032411
%RSD	.1639559	.0663400	.5536672	1.011086	.4504248	.3559364
#1	1.038544	4.103727	1.980337	20.53659	1.998157	.9122984
#2	1.036640	4.108035	1.963429	20.22743	1.982796	.9125993
#3	1.035152	4.102994	1.983908	20.14804	1.982507	.9068412

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.20357**	**2.000074**	**1.992915**	**18.58945**	F **.0171286**	F **-.004785**
Stddev	.05277	.015881	.007513	.04901	.0008887	.002624
%RSD	.2747779	.7940084	.3769673	.2636328	5.188306	54.83540
#1	19.24631	2.015816	2.000055	18.55174	.0162800	-.003886
#2	19.21981	1.984058	1.985078	18.64485	.0180526	-.002729
#3	19.14459	2.000346	1.993611	18.57178	.0170532	-.007740

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICV01 Acquired: 7/10/2025 18:39:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.005046	F .0141008	F -.004348	F -.005595	F -.008319	F -.024260
Stddev	.000452	.0035564	.001965	.000448	.000719	.006002
%RSD	8.954629	25.22146	45.20071	8.010913	8.648005	24.73977
#1	-.005195	.0168436	-.004013	-.005271	-.009134	-.030523
#2	-.005405	.0153763	-.006459	-.005408	-.008051	-.023698
#3	-.004539	.0100825	-.002572	-.006107	-.007772	-.018558

Elem	Sr4077
Units	ppm
Avg	F .0002471
Stddev	.0001076
%RSD	43.55224
#1	.0003043
#2	.0003140
#3	.0001230

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3542.309	35151.25	2432.820	2185.494	4907.489
Stddev	14.689	48.37	3.521	4.710	21.269
%RSD	.4146605	.1376055	.1447323	.2155250	.4334006
#1	3530.945	35112.76	2428.774	2181.228	4887.896
#2	3537.086	35135.46	2435.187	2190.549	4904.460
#3	3558.895	35205.55	2434.500	2184.707	4930.109

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: LLICV01 Acquired: 7/10/2025 18:51:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0212478**	**.0402085**	**.0132458**	**.0206328**	**.0544253**	**.0971753**
Stddev	.0009066	.0015207	.0014935	.0072189	.0018816	.0351924
%RSD	4.266900	3.781974	11.27520	34.98742	3.457217	36.21534
#1	.0204103	.0396198	.0122137	.0288900	.0553782	.1316448
#2	.0222105	.0390702	.0149584	.0155157	.0522579	.0613020
#3	.0211227	.0419355	.0125653	.0174928	.0556399	.0985792

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0986409**	**.0064357**	**.0056068**	**2.141067**	**.0105197**	**.0293578**
Stddev	.0024144	.0000561	.0000504	.032206	.0005059	.0005481
%RSD	2.447710	.8723488	.8983395	1.504198	4.809358	1.866829
#1	.0960760	.0064976	.0055917	2.109352	.0103673	.0289715
#2	.1008697	.0064211	.0055657	2.140106	.0101075	.0291169
#3	.0989768	.0063882	.0056629	2.173742	.0110843	.0299851

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0215721**	**.1184334**	**.0228538**	**2.262054**	**.0396000**	**.0109466**
Stddev	.0006266	.0027698	.0020013	.033750	.0008659	.0003230
%RSD	2.904692	2.338654	8.756783	1.492028	2.186535	2.950694
#1	.0209141	.1155867	.0220772	2.233429	.0393175	.0109411
#2	.0216406	.1211191	.0213573	2.253462	.0389106	.0112723
#3	.0221617	.1185945	.0251270	2.299269	.0405718	.0106264

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.806270**	**.0380654**	**.0460664**	**1.813374**	**.0183830**	**.0945049**
Stddev	.011513	.0029819	.0009914	.030190	.0019364	.0024865
%RSD	.6374093	7.833721	2.152186	1.664850	10.53366	2.631077
#1	1.805755	.0351183	.0460964	1.778514	.0161975	.0921261
#2	1.795023	.0410810	.0470425	1.830787	.0190665	.0943020
#3	1.818032	.0379968	.0450603	1.830822	.0198849	.0970866

Sample Name: LLICV01 Acquired: 7/10/2025 18:51:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2094547	.0184338	.3943925	.0462703	.0399979	F -.004869
Stddev	.0011706	.0041908	.0060386	.0006101	.0013137	.008620
%RSD	.5588881	22.73418	1.531102	1.318577	3.284470	177.0217
#1	.2093115	.0193529	.3878113	.0458326	.0384983	-.007678
#2	.2083622	.0138598	.3996782	.0460112	.0409457	.004805
#3	.2106903	.0220888	.3956880	.0469673	.0405497	-.011735

Elem	Sr4077
Units	ppm
Avg	.0203877
Stddev	.0005069
%RSD	2.486512
#1	.0198507
#2	.0204544
#3	.0208580

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3583.992	36486.04	2488.888	2250.216	5309.513
Stddev	18.341	215.94	34.765	13.747	33.299
%RSD	.5117447	.5918329	1.396801	.6109018	.6271559
#1	3597.564	36390.37	2528.964	2260.796	5333.145
#2	3591.286	36334.47	2466.839	2234.678	5323.965
#3	3563.126	36733.29	2470.861	2255.174	5271.430

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICB01 Acquired: 7/10/2025 18:55:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017250**	**.0002712**	**-.000028**	**.0009021**	**.0006937**	**-.030236**
Stddev	.0018810	.0005544	.000750	.0016809	.0040687	.028788
%RSD	109.0394	204.4324	2641.349	186.3316	586.5462	95.21039
#1	-.000415	.0003784	.000775	.0020283	.0052101	-.005457
#2	.002473	-.000329	-.000711	-.001030	-.002685	-.061816
#3	.003117	.000764	-.000149	.001708	-.000444	-.023436

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002535**	**-.000040**	**-.000131**	**.0270802**	**-.000773**	**.0000541**
Stddev	.002137	.000180	.000020	.0066435	.000517	.0003639
%RSD	84.30793	453.5057	15.26835	24.53253	66.88488	672.7851
#1	-.000817	.000165	-.000134	.0323865	-.000623	.0002200
#2	-.004929	-.000111	-.000109	.0292248	-.000347	.0003055
#3	-.001860	-.000173	-.000149	.0196294	-.001348	-.000363

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001756**	**-.005856**	**.0002407**	**-.033873**	**.0000631**	**.0004594**
Stddev	.000308	.000277	.0010917	.047729	.0001917	.0007783
%RSD	17.52168	4.736846	453.4876	140.9073	303.7913	169.4099
#1	-.001989	-.005580	.0011710	-.047624	-.000009	.0013264
#2	-.001873	-.005853	-.000961	-.073217	.000280	-.000179
#3	-.001407	-.006134	.000512	.019223	-.000082	.000231

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.009291**	**-.009451**	**-.001105**	**-.003396**	**-.000739**	**-.009355**
Stddev	.002880	.001869	.000158	.002219	.000537	.000639
%RSD	31.00011	19.77581	14.27129	65.34255	72.71844	6.835209
#1	-.011054	-.011192	-.000925	-.000834	-.000165	-.009467
#2	-.010850	-.009684	-.001218	-.004672	-.000822	-.009931
#3	-.005967	-.007476	-.001172	-.004681	-.001230	-.008667

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICB01 Acquired: 7/10/2025 18:55:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000078	-.004847	-.003907	-.002361	.0006113	F -.030248
Stddev	.000353	.003996	.000867	.000910	.0023444	.004428
%RSD	454.4001	82.44348	22.17897	38.52731	383.5046	14.63819
#1	-.000220	-.001610	-.004643	-.001361	-.001210	-.025215
#2	-.000338	-.009313	-.002952	-.003140	-.000213	-.031987
#3	.000325	-.003617	-.004127	-.002582	.003257	-.033543

Elem	Sr4077
Units	ppm
Avg	-.000165
Stddev	.000113
%RSD	68.39259
#1	-.000151
#2	-.000060
#3	-.000284

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3721.273	37701.16	2521.688	2316.626	5596.039
Stddev	13.268	49.40	45.685	8.157	22.021
%RSD	.3565431	.1310248	1.811674	.3520897	.3935099
#1	3727.334	37655.18	2469.379	2307.719	5609.902
#2	3730.428	37753.38	2541.933	2323.731	5607.567
#3	3706.057	37694.93	2553.751	2318.429	5570.647

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CRI01 Acquired: 7/10/2025 19:01:00 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0206315**	**.0376603**	**.0124138**	**.0167394**	**.0512289**	**.0855986**
Stddev	.0013811	.0011190	.0011207	.0007819	.0012134	.0159684
%RSD	6.694074	2.971392	9.027883	4.671194	2.368663	18.65501
#1	.0190382	.0387314	.0130682	.0160203	.0502868	.0861353
#2	.0213699	.0364988	.0111197	.0175718	.0525981	.1012920
#3	.0214865	.0377507	.0130534	.0166261	.0508016	.0693686

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0962776**	**.0063077**	**.0053314**	**2.070092**	**.0104678**	**.0283501**
Stddev	.0005506	.0001642	.0000548	.012296	.0005873	.0002473
%RSD	.5718350	2.603217	1.027699	.5939641	5.610158	.8724557
#1	.0967782	.0064475	.0053486	2.082086	.0105629	.0285510
#2	.0963665	.0063486	.0053755	2.070675	.0110017	.0280739
#3	.0956879	.0061269	.0052701	2.057515	.0098388	.0284255

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0205644**	**.1155758**	**.0218954**	**2.138168**	**.0371160**	**.0104562**
Stddev	.0000945	.0016621	.0003890	.065136	.0005222	.0017967
%RSD	.4592944	1.438111	1.776553	3.046342	1.406872	17.18342
#1	.0206655	.1170357	.0223382	2.202118	.0365516	.0096540
#2	.0204783	.1137669	.0217386	2.140479	.0372145	.0092003
#3	.0205495	.1159247	.0216092	2.071907	.0375819	.0125143

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.780334**	**.0282545**	**.0445838**	**1.772354**	**.0180430**	**.0923626**
Stddev	.008058	.0122646	.0005353	.025682	.0015308	.0025833
%RSD	.4525973	43.40753	1.200546	1.449016	8.484194	2.796883
#1	1.776177	.0238679	.0441231	1.791654	.0197930	.0946103
#2	1.789621	.0421092	.0451710	1.782201	.0169522	.0929370
#3	1.775203	.0187864	.0444574	1.743205	.0173839	.0895405

Sample Name: CRI01 Acquired: 7/10/2025 19:01:00 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1995938	.0172203	.3856157	.0441115	.0373915	F -.000828
Stddev	.0005386	.0033700	.0055003	.0005642	.0035959	.013007
%RSD	.2698562	19.56978	1.426365	1.279113	9.616835	1571.820
#1	.1989987	.0199864	.3880097	.0435858	.0340272	-.006196
#2	.2000480	.0134670	.3895133	.0440411	.0369662	.014004
#3	.1997346	.0182075	.3793242	.0447077	.0411812	-.010290

Elem	Sr4077
Units	ppm
Avg	.0200144
Stddev	.0002298
%RSD	1.147978
#1	.0201617
#2	.0197496
#3	.0201317

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3714.472	37226.18	2514.735	2299.258	5513.887
Stddev	6.775	158.44	21.292	8.487	8.606
%RSD	.1824059	.4256093	.8466958	.3690999	.1560850
#1	3722.291	37286.89	2502.530	2304.803	5523.781
#2	3710.800	37345.29	2502.355	2303.482	5509.741
#3	3710.325	37046.36	2539.321	2289.488	5508.138

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSA01 Acquired: 7/10/2025 19:11:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021016**	**.0178237**	**.0004381**	**.0046611**	**.0214670**	**247.1930**
Stddev	.0070482	.0026618	.0021525	.0045334	.0021758	.9468
%RSD	335.3812	14.93387	491.3322	97.26104	10.13539	.3830210
#1	.0007679	.0208863	-.002045	.0089769	.0193932	248.0794
#2	.0097213	.0165157	.001576	.0050688	.0237321	247.3040
#3	-.004185	.0160689	.001783	-.000062	.0212758	246.1956

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058115**	**.0011540**	**-.000491**	**242.4229**	**.0488829**	**.0249517**
Stddev	.0004215	.0000526	.000174	1.2312	.0013716	.0002625
%RSD	7.252747	4.554279	35.37227	.5078589	2.805842	1.052051
#1	.0053495	.0011902	-.000553	242.8386	.0483313	.0249608
#2	.0061750	.0010937	-.000624	243.3924	.0478730	.0252095
#3	.0059099	.0011781	-.000294	241.0377	.0504444	.0246847

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.009614**	**103.6734**	**.0028882**	**252.3727**	**.0164114**	**-.001129**
Stddev	.000227	2.7871	.0002560	1.5200	.0000527	.000769
%RSD	2.362319	2.688351	8.863470	.6022910	.3212199	68.05334
#1	-.009420	103.6469	.0031559	252.8586	.0163577	-.002010
#2	-.009864	106.4737	.0028629	253.5903	.0164135	-.000594
#3	-.009557	100.8997	.0026458	250.6691	.0164631	-.000784

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1004406**	**.0049170**	**.0110325**	**.0052829**	**.0127723**	**.0292640**
Stddev	.0106952	.0018006	.0003070	.0025987	.0008110	.0010692
%RSD	10.64826	36.61912	2.782210	49.19037	6.349348	3.653782
#1	.0989418	.0031820	.0111185	.0058511	.0130477	.0292658
#2	.0905738	.0067767	.0112873	.0075504	.0134097	.0303323
#3	.1118061	.0047923	.0106918	.0024471	.0118595	.0281939

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSA01 Acquired: 7/10/2025 19:11:07 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008796	F .0235049	-.009847	-.000293	-.000658	-.016037
Stddev	.000815	.0020588	.003932	.000630	.008220	.005597
%RSD	9.263815	8.759094	39.93300	215.4052	1250.103	34.89705
#1	-.007906	.0212567	-.013708	.000434	.005367	-.011455
#2	-.009505	.0239597	-.009986	-.000692	-.010021	-.014383
#3	-.008979	.0252983	-.005847	-.000620	.002682	-.022275

Elem	Sr4077
Units	ppm
Avg	F .1005386
Stddev	.0004261
%RSD	.4238423
#1	.1010250
#2	.1003595
#3	.1002312

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3344.800	32335.47	2307.151	2055.045	4326.189
Stddev	6.407	121.54	57.653	7.699	9.247
%RSD	.1915440	.3758821	2.498884	.3746154	.2137460
#1	3339.254	32441.54	2306.376	2056.691	4319.043
#2	3351.813	32202.85	2249.890	2046.657	4336.633
#3	3343.331	32362.03	2365.188	2061.788	4322.891

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSAB01 Acquired: 7/10/2025 19:15:37 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0921043**	**.0991583**	**.0433873**	**.0523411**	**.6121197**	**243.9597**
Stddev	.0051721	.0021852	.0031036	.0088756	.0054414	.4949
%RSD	5.615528	2.203787	7.153254	16.95724	.8889469	.2028745
#1	.0915022	.0974097	.0431810	.0568342	.6163662	243.3904
#2	.0975511	.1016080	.0403920	.0421174	.6059859	244.2003
#3	.0872596	.0984572	.0465890	.0580717	.6140070	244.2883

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5045992**	**.5050749**	**.9717492**	**239.4375**	**.5479669**	**.4966192**
Stddev	.0030160	.0018585	.0016836	.7240	.0013146	.0010522
%RSD	.5977035	.3679591	.1732496	.3023680	.2398991	.2118714
#1	.5011181	.5030010	.9701027	238.8669	.5491369	.4954625
#2	.5062520	.5065895	.9716775	240.2519	.5465444	.4975196
#3	.5064275	.5056342	.9734675	239.1938	.5482196	.4968754

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4675218**	**98.71138**	**.4913123**	**248.8057**	**.9711565**	**.2170428**
Stddev	.0014729	1.16546	.0034757	.9502	.0018653	.0012886
%RSD	.3150369	1.180673	.7074407	.3819109	.1920736	.5937218
#1	.4658214	97.36751	.4874079	247.7195	.9690032	.2157615
#2	.4684009	99.32163	.4924597	249.2146	.9721880	.2183386
#3	.4683431	99.44499	.4940692	249.4830	.9722783	.2170282

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0881116**	**.4881687**	**.9830175**	**.0009564**	F **.0203514**	F **.0257429**
Stddev	.0049731	.0027244	.0010323	.0013260	.0043639	.0019524
%RSD	5.644042	.5580956	.1050112	138.6383	21.44250	7.584191
#1	.0923562	.4854515	.9834441	.0000406	.0174140	.0254925
#2	.0826399	.4881542	.9818403	.0003518	.0182745	.0278084
#3	.0893388	.4909004	.9837681	.0024769	.0253658	.0239278

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSAB01 Acquired: 7/10/2025 19:15:37 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.009061	F .0250013	F -.011214	F .0041310	F -.003375	F -.012779
Stddev	.000582	.0034583	.001458	.0001341	.002776	.013188
%RSD	6.420226	13.83256	13.00517	3.246089	82.23087	103.2037
#1	-.009717	.0212838	-.011707	.0039764	-.004600	-.016637
#2	-.008607	.0281231	-.012361	.0042166	-.000198	-.023608
#3	-.008860	.0255971	-.009573	.0041999	-.005328	.001908

Elem	Sr4077
Units	ppm
Avg	F .0996894
Stddev	.0007603
%RSD	.7626483
#1	.0989258
#2	.1004463
#3	.0996962

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3306.372	32106.50	2390.259	2038.310	4300.669
Stddev	5.855	88.72	19.268	5.933	9.557
%RSD	.1770760	.2763153	.8060863	.2910807	.2222227
#1	3313.078	32208.68	2412.265	2045.144	4311.651
#2	3303.763	32049.07	2376.423	2034.481	4294.238
#3	3302.276	32061.76	2382.088	2035.304	4296.118

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSADLX20 Acquired: 7/10/2025 19:20:03 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000555**	**.0015118**	**.0020737**	**-.000258**	**-.000047**	**12.15186**	**-.002247**
Stddev	.001023	.0016723	.0022972	.003547	.002881	.09192	.001245
%RSD	184.2092	110.6192	110.7808	1372.109	6150.695	.7564651	55.40736
#1	-.000165	.0032982	.0000555	-.004352	.000430	12.25635	-.001428
#2	-.001716	-.000016	.0045736	.001893	.002566	12.08345	-.003679
#3	.000215	.001254	.0015920	.001684	-.003136	12.11576	-.001633

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001809**	**-.000179**	**12.13201**	**.0023139**	**.0052539**	**-.000948**	**5.596096**
Stddev	.0001289	.000112	.08715	.0011868	.0001401	.000840	.116194
%RSD	71.27178	62.79399	.7183084	51.28963	2.666061	88.54960	2.076345
#1	.0002901	-.000117	12.22634	.0009557	.0053815	-.000288	5.726399
#2	.0000387	-.000308	12.11521	.0028355	.0051041	-.000664	5.558636
#3	.0002139	-.000110	12.05449	.0031507	.0052762	-.001893	5.503251

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014770**	**12.86835**	**.0002041**	**-.001181**	**-.014255**	**-.005385**	**-.000646**
Stddev	.0031572	.15290	.0003350	.000847	.003959	.005134	.000620
%RSD	213.7591	1.188217	164.1335	71.74920	27.77308	95.33275	95.87590
#1	.0042999	12.97020	.0001060	-.002094	-.011113	-.003443	-.000782
#2	-.001932	12.94234	-.000071	-.001030	-.018701	-.001505	-.001186
#3	.002063	12.69253	.000577	-.000420	-.012950	-.011206	.000030

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002838**	**-.000126**	**-.007347**	**-.002424**	**.0002161**	**-.007389**	**-.000967**
Stddev	.001470	.001231	.001474	.000182	.0029157	.000725	.000516
%RSD	51.77314	979.2542	20.06489	7.528740	1349.137	9.810267	53.38231
#1	-.001265	-.000207	-.008936	-.002445	.0026314	-.006552	-.000459
#2	-.003075	.001144	-.007082	-.002231	.0010398	-.007837	-.001491
#3	-.004175	-.001314	-.006024	-.002594	-.003023	-.007777	-.000951

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSADLX20 Acquired: 7/10/2025 19:20:03 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSA01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0006112	-.033861	.0049038
Stddev	.0016907	.008431	.0001328
%RSD	276.6179	24.89850	2.708766
#1	-.000668	-.039594	.0048808
#2	-.000027	-.037810	.0050466
#3	.002528	-.024181	.0047839

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3631.679	35912.19	2394.332	2241.855	5228.352
Stddev	5.191	38.36	42.574	6.762	5.998
%RSD	.1429494	.1068292	1.778114	.3016335	.1147290
#1	3630.314	35954.87	2347.261	2248.502	5227.838
#2	3637.416	35901.13	2405.591	2234.983	5234.591
#3	3627.305	35880.57	2430.146	2242.080	5222.627

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSABDLX20 Acquired: 7/10/2025 19:24:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009602	.0065712	.0054640	.0008672	.0364604	12.40797	.0229831
Stddev	.0005730	.0005489	.0033744	.0017125	.0015990	.11679	.0006949
%RSD	59.67160	8.353028	61.75666	197.4820	4.385507	.9412628	3.023387
#1	.0013579	.0068234	.0015920	.0015080	.0350199	12.53500	.0235522
#2	.0012194	.0059416	.0070231	-.001073	.0361805	12.38368	.0231884
#3	.0003034	.0069488	.0077769	.002167	.0381809	12.30524	.0222087

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0265593	.0462253	12.37839	.0276894	.0282465	.0237271	5.564978
Stddev	.0003339	.0001072	.02683	.0011715	.0001641	.0014662	.034633
%RSD	1.257176	.2318780	.2167130	4.230877	.5807849	6.179329	.6223472
#1	.0269089	.0461023	12.38212	.0267411	.0284329	.0221485	5.596116
#2	.0262438	.0462987	12.34989	.0273280	.0281242	.0250462	5.527677
#3	.0265251	.0462750	12.40316	.0289990	.0281824	.0239866	5.571141

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0265407	13.13993	.0466373	.0103384	-.022406	.0222111	.0487308
Stddev	.0017898	.05854	.0003718	.0004121	.012976	.0096186	.0007991
%RSD	6.743395	.4455349	.7972704	3.986040	57.91327	43.30505	1.639841
#1	.0270317	13.18795	.0468533	.0102765	-.030842	.0111229	.0488664
#2	.0245568	13.07472	.0462079	.0099607	-.028913	.0272042	.0494534
#3	.0280338	13.15713	.0468506	.0107779	-.007464	.0283064	.0478725

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003625	-.000561	-.007439	-.002738	.0002848	-.006315	-.001284
Stddev	.000945	.003692	.000834	.000567	.0012652	.001306	.000233
%RSD	26.05958	658.4926	11.20842	20.71214	444.2647	20.67710	18.13190
#1	-.002538	.003698	-.007634	-.003080	-.001123	-.004860	-.001547
#2	-.004092	-.002859	-.006525	-.002084	.001326	-.006699	-.001104
#3	-.004245	-.002521	-.008158	-.003051	.000652	-.007385	-.001201

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: ICSABDLX20 Acquired: 7/10/2025 19:24:30 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0002800	-.032262	.0050416
Stddev	.0054183	.001919	.0001810
%RSD	1935.050	5.948873	3.590978
#1	-.003825	-.031597	.0048423
#2	-.001756	-.034425	.0051960
#3	.006421	-.030764	.0050863

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3587.663	35417.14	2424.690	2196.314	5157.111
Stddev	6.100	245.59	24.952	14.572	6.684
%RSD	.1700335	.6934203	1.029075	.6634679	.1296049
#1	3591.384	35138.51	2396.709	2181.669	5164.669
#2	3590.981	35510.74	2444.630	2196.461	5154.689
#3	3580.623	35602.16	2432.730	2210.811	5151.976

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV01 Acquired: 7/10/2025 19:43:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.910507**	**5.092545**	**4.981423**	**5.064704**	**5.012703**	**9.938412**	**10.19996**
Stddev	.039480	.040941	.038158	.047697	.044553	.007605	.03832
%RSD	.8039842	.8039308	.7660152	.9417556	.8888109	.0765215	.3757138
#1	4.888282	5.065037	4.957849	5.028128	4.986974	9.946953	10.18171
#2	4.887150	5.073003	4.960972	5.047331	4.986987	9.932375	10.17418
#3	4.956090	5.139595	5.025448	5.118652	5.064149	9.935906	10.24400

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2570741**	**2.507209**	**25.45504**	**1.009730**	**2.466112**	**1.269977**	**5.144670**
Stddev	.0013131	.019603	.10587	.003281	.020516	.006749	.022721
%RSD	.5108067	.7818498	.4158994	.3249371	.8319030	.5314529	.4416462
#1	.2562602	2.495499	25.38300	1.010639	2.455111	1.267645	5.138386
#2	.2563730	2.496289	25.40552	1.006090	2.453444	1.264702	5.125752
#3	.2585889	2.529840	25.57659	1.012461	2.489782	1.277583	5.169872

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.545208**	**25.37298**	**2.489076**	**1.282719**	**25.01136**	**2.537615**	**2.501389**
Stddev	.008660	.08354	.020132	.002589	.08258	.017268	.010322
%RSD	.3402648	.3292447	.8088132	.2018742	.3301886	.6804629	.4126591
#1	2.535700	25.41176	2.477576	1.283517	25.02397	2.531880	2.511041
#2	2.547279	25.43009	2.477329	1.279825	24.92319	2.523945	2.490507
#3	2.552645	25.27710	2.512322	1.284816	25.08691	2.557021	2.502618

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.63987**	**5.005916**	**5.143644**	**5.079832**	**4.903251**	**5.075079**	**5.026347**
Stddev	.01894	.046888	.024728	.043515	.030867	.027485	.035883
%RSD	.0738880	.9366607	.4807501	.8566310	.6295160	.5415674	.7139067
#1	25.66096	4.981551	5.150156	5.054573	4.878874	5.067296	5.005643
#2	25.63434	4.976227	5.116312	5.054845	4.892922	5.052324	5.005616
#3	25.62430	5.059971	5.164464	5.130079	4.937958	5.105616	5.067781

Sample Name: CCV01 Acquired: 7/10/2025 19:43:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.066301	5.108987	5.135477
Stddev	.020383	.013420	.016987
%RSD	.4023170	.2626772	.3307772
#1	5.043916	5.116334	5.122013
#2	5.071195	5.093498	5.129857
#3	5.083790	5.117130	5.154562

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3436.816	34102.81	2369.945	2116.638	4652.553
Stddev	20.407	39.74	8.768	6.965	24.569
%RSD	.5937861	.1165195	.3699770	.3290618	.5280733
#1	3441.568	34081.71	2375.291	2120.411	4653.413
#2	3454.427	34148.65	2374.718	2120.902	4676.680
#3	3414.451	34078.08	2359.826	2108.600	4627.565

Sample Name: CCB01 Acquired: 7/10/2025 19:54:02 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030020**	**-.001948**	**.0001607**	**.0030738**	**-.002059**	**-.024134**
Stddev	.0038846	.002895	.0015929	.0063263	.001772	.030484
%RSD	129.4018	148.5692	991.0980	205.8121	86.06634	126.3102
#1	-.001062	-.005276	.0008274	.0013402	-.000391	-.036893
#2	.006679	-.000554	-.001657	-.002205	-.001867	-.046165
#3	.003389	-.000015	.001312	.010086	-.003920	.010656

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001759**	**-.000032**	**-.000090**	**-.000870**	**-.000934**	**-.000103**
Stddev	.001238	.000137	.000069	.013708	.000616	.000272
%RSD	70.41048	433.1359	76.72115	1576.428	65.97451	264.0473
#1	-.000559	-.000187	-.000038	-.015617	-.001642	.000160
#2	-.001685	.000074	-.000063	.001526	-.000528	-.000383
#3	-.003032	.000017	-.000169	.011482	-.000630	-.000085

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001446**	**-.004552**	**.0007615**	**-.018752**	**.0001083**	**.0002226**
Stddev	.000651	.002401	.0015879	.053950	.0004774	.0007018
%RSD	45.04899	52.74285	208.5163	287.6987	440.9476	315.2690
#1	-.000857	-.001930	-.001009	-.055691	.0006023	-.000408
#2	-.002146	-.006642	.001233	-.043724	-.000350	.000979
#3	-.001336	-.005083	.002060	.043159	.000073	.000097

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.022768**	**-.000730**	**-.001588**	**-.002883**	**.0014628**	**-.002405**
Stddev	.020617	.005336	.000393	.002682	.0025491	.001499
%RSD	90.55136	730.7128	24.72997	93.04961	174.2600	62.32503
#1	-.042535	-.002125	-.001870	.000031	.0043511	-.003672
#2	-.024373	.005165	-.001755	-.003429	.0005096	-.000750
#3	-.001396	-.005231	-.001140	-.005250	-.000472	-.002794

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB01 Acquired: 7/10/2025 19:54:02 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000483	-.002741	-.005561	.0000599	-.001038	F -.024879
Stddev	.000507	.003744	.000672	.0006939	.009269	.005906
%RSD	104.8375	136.6248	12.07756	1158.855	892.5291	23.73958
#1	-.001015	-.006074	-.004870	-.000739	.006689	-.026328
#2	-.000429	.001311	-.006211	.000517	.001510	-.029925
#3	-.000006	-.003458	-.005603	.000401	-.011315	-.018383

Elem	Sr4077
Units	ppm
Avg	-.000161
Stddev	.000257
%RSD	159.9099
#1	-.000448
#2	-.000087
#3	.000051

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3633.544	36219.67	2363.085	2233.812	5463.061
Stddev	7.280	140.19	114.331	8.999	16.206
%RSD	.2003618	.3870418	4.838199	.4028516	.2966416
#1	3640.364	36163.06	2231.445	2231.533	5477.856
#2	3625.877	36116.65	2420.255	2226.171	5445.741
#3	3634.390	36379.31	2437.555	2243.731	5465.585

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2532-01 Acquired: 7/10/2025 19:58:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0163868**	**.0066319**	**.5654609**	**.0043310**	**.0261310**	**36.65686**
Stddev	.0033641	.0021375	.0025876	.0015478	.0033766	.20635
%RSD	20.52920	32.22994	.4576058	35.73640	12.92180	.5629252
#1	.0174548	.0052475	.5636432	.0044382	.0239675	36.79857
#2	.0190872	.0055546	.5643161	.0027325	.0244036	36.42011
#3	.0126184	.0090937	.5684234	.0058224	.0300218	36.75189

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6621286**	**.0022843**	**.0030081**	**155.4330**	**.0920691**	**.0505808**
Stddev	.0042559	.0000777	.0001223	.5130	.0008342	.0003362
%RSD	.6427654	3.403260	4.064738	.3300287	.9060894	.6647382
#1	.6626627	.0023508	.0028728	155.9648	.0912243	.0508461
#2	.6576308	.0023031	.0031108	154.9412	.0928923	.0506935
#3	.6660923	.0021988	.0030407	155.3931	.0920908	.0502026

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5626737**	**78.79443**	**.8173839**	**63.42235**	**.0838359**	**.0025094**
Stddev	.0128083	1.79335	.0022107	.08328	.0004128	.0004970
%RSD	2.276322	2.275990	.2704653	.1313108	.4924173	19.80392
#1	.5758047	80.82712	.8168055	63.50321	.0838841	.0019418
#2	.5620018	77.43567	.8155198	63.42700	.0834011	.0027205
#3	.5502146	78.12051	.8198263	63.33684	.0842225	.0028660

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.3508**	**.0988371**	**2.961955**	**18.76494**	**8.286638**	**.1135776**
Stddev	1.5907	.0070178	.026376	.38374	.044903	.0040182
%RSD	1.321752	7.100336	.8905008	2.044989	.5418700	3.537821
#1	122.1177	.0907540	2.936025	19.16038	8.237991	.1176811
#2	119.9021	.1033749	2.961086	18.39408	8.295425	.1134009
#3	119.0326	.1023824	2.988755	18.74037	8.326497	.1096506

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2532-01 Acquired: 7/10/2025 19:58:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 11 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109246	20.09138	F 69.28037	.0090592	1.644678	-.000402
Stddev	.0008833	.10240	1.51317	.0011918	.014677	.007892
%RSD	8.085063	.5096750	2.184120	13.15564	.8924227	1965.430
#1	.0099791	19.98057	70.77350	.0077699	1.650974	-.004002
#2	.0117285	20.11107	69.31966	.0092871	1.627903	-.005852
#3	.0110661	20.18251	67.74793	.0101205	1.655158	.008649

Elem	Sr4077
Units	ppm
Avg	.4231283
Stddev	.0024966
%RSD	.5900228
#1	.4248036
#2	.4202589
#3	.4243223

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3693.467	35388.70	2435.061	2270.049	4625.555
Stddev	4.908	226.60	54.043	17.019	13.135
%RSD	.1328725	.6403119	2.219380	.7496993	.2839562
#1	3698.088	35399.85	2377.414	2280.033	4637.169
#2	3693.997	35609.52	2443.189	2279.716	4628.195
#3	3688.316	35156.73	2484.580	2250.399	4611.301

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2532-02 Acquired: 7/10/2025 20:03:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 12 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000310**	**.0089625**	**.2368515**	**-.001966**	**.0194716**	**18.57385**
Stddev	.002886	.0032913	.0033413	.002757	.0030897	.06402
%RSD	930.0032	36.72250	1.410736	140.2338	15.86770	.3446664
#1	.001307	.0053791	.2407036	-.001777	.0198574	18.55921
#2	.001405	.0096579	.2351139	.000692	.0223503	18.51841
#3	-.003643	.0118505	.2347370	-.004814	.0162072	18.64392

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3213254**	**.0009208**	**.0010644**	**102.3571**	**.0397288**	**.0319763**
Stddev	.0011286	.0000544	.0001653	.3540	.0007797	.0004113
%RSD	.3512360	5.910874	15.52748	.3458804	1.962584	1.286379
#1	.3200726	.0009223	.0011112	102.4602	.0396145	.0323314
#2	.3216409	.0009745	.0012012	101.9630	.0405593	.0320720
#3	.3222627	.0008657	.0008808	102.6482	.0390125	.0315256

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5913800**	**36.46494**	**.4181369**	**39.57853**	**.0371121**	**.0013842**
Stddev	.0016665	.08681	.0018242	.25889	.0025445	.0012280
%RSD	.2817999	.2380776	.4362625	.6541266	6.856350	88.72075
#1	.5931169	36.49844	.4199351	39.37072	.0400431	.0009397
#2	.5897942	36.36636	.4181878	39.86854	.0358250	.0027726
#3	.5912289	36.53001	.4162878	39.49632	.0354683	.0004402

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**153.5855**	**.0411015**	**1.367507**	**13.92153**	**3.855909**	**.0944599**
Stddev	2.0765	.0137725	.006073	.11151	.003713	.0021749
%RSD	1.352008	33.50861	.4440678	.8010254	.0962937	2.302448
#1	155.4185	.0268662	1.361287	14.05028	3.859502	.0969358
#2	151.3304	.0420790	1.373420	13.85565	3.852086	.0928578
#3	154.0077	.0543592	1.367813	13.85864	3.856137	.0935862

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2532-02 Acquired: 7/10/2025 20:03:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 12 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002812	11.16669	F 43.69984	.0072159	.7396265	-.020850
Stddev	.0002811	.02168	.02432	.0007302	.0005276	.006971
%RSD	99.96074	.1941169	.0556605	10.11886	.0713275	33.43528
#1	.0004218	11.16491	43.70448	.0070557	.7392770	-.022715
#2	.0004644	11.14596	43.67352	.0065792	.7402333	-.013136
#3	-.000042	11.18920	43.72150	.0080129	.7393692	-.026699

Elem	Sr4077
Units	ppm
Avg	.3411685
Stddev	.0011993
%RSD	.3515348
#1	.3417825
#2	.3397865
#3	.3419364

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3569.781	34366.92	2394.230	2188.845	4623.602
Stddev	6.785	202.94	12.320	1.008	8.295
%RSD	.1900678	.5904965	.5145542	.0460714	.1794109
#1	3570.352	34294.64	2390.864	2190.000	4620.527
#2	3576.263	34596.10	2407.883	2188.137	4632.995
#3	3562.729	34210.02	2383.943	2188.400	4617.283

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2533-01 Acquired: 7/10/2025 20:08:08 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 13 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0165527**	**.0081857**	**.5101801**	**.0016733**	**.0261146**	**34.14365**
Stddev	.0017234	.0007802	.0036129	.0054277	.0014954	.13229
%RSD	10.41171	9.530848	.7081661	324.3710	5.726395	.3874523
#1	.0171263	.0084808	.5097795	-.004577	.0274663	34.00342
#2	.0146156	.0073010	.5067841	.004403	.0245082	34.16131
#3	.0179162	.0087753	.5139766	.005194	.0263694	34.26622

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6248221**	**.0023562**	**.0028018**	**157.6610**	**.0849827**	**.0480739**
Stddev	.0023823	.0001435	.0000786	.2076	.0021772	.0000877
%RSD	.3812760	6.090531	2.806167	.1316460	2.561936	.1824121
#1	.6274654	.0022981	.0028649	157.4945	.0838303	.0481218
#2	.6228410	.0022508	.0027137	157.5949	.0836238	.0479727
#3	.6241599	.0025196	.0028269	157.8935	.0874938	.0481272

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4864414**	**74.79017**	**.8287223**	**60.20393**	**.0780560**	**.0013842**
Stddev	.0029229	.31904	.0066107	.23614	.0007754	.0002753
%RSD	.6008691	.4265737	.7976965	.3922364	.9933739	19.89048
#1	.4895010	75.10891	.8347816	59.95451	.0773549	.0011320
#2	.4861454	74.79077	.8297132	60.23320	.0788888	.0016780
#3	.4836778	74.47084	.8216721	60.42407	.0779242	.0013427

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**114.1560**	**.0931191**	**2.827231**	**19.86610**	**8.076298**	**.1060007**
Stddev	.4358	.0073333	.017126	.09862	.044063	.0004276
%RSD	.3817867	7.875125	.6057442	.4964116	.5455882	.4034189
#1	113.7668	.0908725	2.844088	19.96990	8.069276	.1060993
#2	114.6269	.1013128	2.809849	19.77364	8.036168	.1055324
#3	114.0742	.0871719	2.827756	19.85476	8.123451	.1063704

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2533-01 Acquired: 7/10/2025 20:08:08 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 13 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097686	20.12385	F 67.24058	.0061727	1.513675	-.006442
Stddev	.0009974	.13255	.21908	.0004951	.007389	.003172
%RSD	10.21031	.6586941	.3258178	8.020555	.4881725	49.24498
#1	.0086699	20.11774	67.44385	.0057802	1.521637	-.003740
#2	.0100186	19.99446	67.26937	.0067289	1.507037	-.005651
#3	.0106172	20.25935	67.00853	.0060088	1.512351	-.009934

Elem	Sr4077
Units	ppm
Avg	.4388966
Stddev	.0008381
%RSD	.1909504
#1	.4379294
#2	.4393531
#3	.4394073

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3687.188	35005.56	2470.660	2245.018	4654.954
Stddev	9.179	51.81	13.297	9.832	7.464
%RSD	.2489312	.1480163	.5381867	.4379312	.1603431
#1	3697.666	35031.23	2468.226	2233.705	4663.054
#2	3680.569	34945.92	2458.749	2251.499	4648.353
#3	3683.329	35039.53	2485.006	2249.850	4653.455

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2533-02 Acquired: 7/10/2025 20:12:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 14 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0159846**	**.0090854**	**.5127277**	**.0000659**	**.0249457**	**33.93106**
Stddev	.0020772	.0007623	.0031540	.0038729	.0014113	.15150
%RSD	12.99505	8.390769	.6151437	5872.928	5.657442	.4464877
#1	.0139420	.0083349	.5125566	-.001388	.0256014	33.96280
#2	.0159170	.0098590	.5096627	.004455	.0233259	33.76620
#3	.0180947	.0090623	.5159637	-.002869	.0259099	34.06417

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6323248**	**.0022053**	**.0029071**	**152.5172**	**.0876349**	**.0482303**
Stddev	.0073989	.0001336	.0001510	.8867	.0009563	.0000947
%RSD	1.170113	6.057686	5.194412	.5813685	1.091239	.1962852
#1	.6403309	.0022690	.0027330	153.0157	.0867216	.0481225
#2	.6257390	.0020518	.0029865	151.4934	.0886291	.0482685
#3	.6309044	.0022950	.0030020	153.0424	.0875539	.0483000

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5597084**	**72.99568**	**.7846546**	**60.97092**	**.0790146**	**.0014368**
Stddev	.0059078	.81247	.0067654	.07720	.0003969	.0006369
%RSD	1.055511	1.113033	.8622096	.1266132	.5023229	44.32910
#1	.5660530	73.92536	.7920263	60.99667	.0794470	.0018770
#2	.5543656	72.42188	.7787296	60.88413	.0786668	.0017270
#3	.5587066	72.63981	.7832078	61.03194	.0789299	.0007065

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.0434**	**.0946742**	**2.915321**	**17.89865**	**7.895089**	**.1068003**
Stddev	1.6804	.0080935	.027223	.06116	.031959	.0029376
%RSD	1.435718	8.548820	.9337919	.3416770	.4047937	2.750571
#1	117.8713	.1010719	2.883934	17.91492	7.871693	.1101550
#2	118.1493	.0855756	2.929516	17.95003	7.882072	.1055576
#3	115.1097	.0973751	2.932511	17.83101	7.931502	.1046882

Sample Name: Q2533-02 Acquired: 7/10/2025 20:12:38 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 14 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088759	19.96784	F 66.33260	.0090058	1.489736	-.013103
Stddev	.0002781	.05024	.63619	.0007568	.009218	.006940
%RSD	3.133446	.2516168	.9590957	8.403681	.6187517	52.96335
#1	.0085625	19.92574	67.02650	.0094479	1.498913	-.020853
#2	.0089719	19.95431	65.77679	.0081319	1.480478	-.010995
#3	.0090933	20.02345	66.19451	.0094375	1.489817	-.007462

Elem	Sr4077
Units	ppm
Avg	.4232975
Stddev	.0040317
%RSD	.9524532
#1	.4273193
#2	.4192559
#3	.4233174

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3640.779	34767.45	2492.154	2220.957	4586.291
Stddev	14.020	390.70	16.814	22.280	9.234
%RSD	.3850775	1.123741	.6746706	1.003151	.2013482
#1	3646.658	35212.75	2473.789	2246.606	4593.037
#2	3650.902	34482.16	2506.791	2206.409	4590.070
#3	3624.777	34607.44	2495.884	2209.856	4575.767

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2509-01 Acquired: 7/10/2025 20:17:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 15 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0909733**	**.0063861**	**.4873353**	**.0215351**	**.0133060**	**15.84396**
Stddev	.0053007	.0006802	.0062297	.0058541	.0014068	.13822
%RSD	5.826692	10.65050	1.278310	27.18387	10.57237	.8724035
#1	.0888071	.0060034	.4844268	.0178605	.0119290	15.88633
#2	.0870987	.0059836	.4830918	.0184588	.0132484	15.95604
#3	.0970141	.0071714	.4944873	.0282860	.0147407	15.68951

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1714372**	**.0016904**	**-.000229**	**49.69177**	**.0180211**	**.0382383**
Stddev	.0012228	.0001361	.000153	.32865	.0015769	.0003618
%RSD	.7132838	8.053402	66.77338	.6613770	8.750290	.9460733
#1	.1720932	.0018214	-.000405	49.97741	.0164686	.0380616
#2	.1721921	.0015496	-.000133	49.76533	.0179734	.0379989
#3	.1700263	.0017001	-.000148	49.33258	.0196213	.0386545

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0783930**	**89.37238**	**.8796038**	**8.673099**	**.0445472**	**-.000747**
Stddev	.0046391	3.28936	.0037238	.008303	.0005379	.000815
%RSD	5.917787	3.680509	.4233444	.0957350	1.207403	109.1348
#1	.0836506	92.69555	.8813007	8.663634	.0442245	-.000445
#2	.0748756	86.11791	.8821768	8.676511	.0442491	-.000125
#3	.0766527	89.30368	.8753338	8.679153	.0451682	-.001670

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**204.7293**	**.0441258**	**.5499454**	**18.37894**	**1.236331**	**1.331499**
Stddev	12.0005	.0124057	.0015558	2.49121	.015012	.057042
%RSD	5.861661	28.11427	.2828984	13.55471	1.214263	4.284067
#1	218.5142	.0532905	.5517137	21.21196	1.229041	1.394887
#2	196.6141	.0490780	.5493354	17.39442	1.226355	1.284303
#3	199.0595	.0300090	.5487870	16.53043	1.253596	1.315307

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2509-01 Acquired: 7/10/2025 20:17:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 15 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001563	F 33.69616	F 29.04313	.0037048	.3051336	-.022872
Stddev	.000818	.41387	1.17225	.0008118	.0030371	.005060
%RSD	52.32017	1.228244	4.036245	21.91293	.9953390	22.12333
#1	-.001424	33.47131	30.35985	.0046393	.3075545	-.019568
#2	-.000824	33.44339	28.11301	.0033025	.3061206	-.020351
#3	-.002442	34.17379	28.65652	.0031727	.3017258	-.028698

Elem	Sr4077
Units	ppm
Avg	.4532136
Stddev	.0033542
%RSD	.7400911
#1	.4553188
#2	.4549764
#3	.4493455

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3461.267	33991.22	2250.859	2144.768	4537.881
Stddev	15.115	80.95	102.887	20.684	29.548
%RSD	.4366792	.2381405	4.571011	.9643919	.6511330
#1	3476.730	33907.79	2138.391	2125.625	4565.855
#2	3460.545	34069.43	2340.243	2166.708	4540.809
#3	3446.526	33996.44	2273.944	2141.972	4506.978

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01 Acquired: 7/10/2025 20:21:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 16 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005987**	**-.003776**	**-.002066**	**-.001255**	**.0074005**	**22.37501**
Stddev	.002616	.000431	.000402	.002568	.0009914	.07411
%RSD	43.69579	11.41143	19.44887	204.6435	13.39616	.3312004
#1	-.004498	-.003834	-.002372	-.004059	.0067972	22.38535
#2	-.004456	-.003319	-.002215	-.000689	.0085446	22.44340
#3	-.009008	-.004176	-.001611	.000983	.0068595	22.29627

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017981**	**-.000076**	**-.000142**	**13.02696**	**.2761685**	**.0073163**
Stddev	.0017757	.000260	.000115	.03658	.0017932	.0001679
%RSD	98.75582	341.0859	80.92171	.2808050	.6493019	2.295115
#1	.0004712	-.000206	-.000022	13.01113	.2764343	.0072618
#2	.0038153	-.000245	-.000251	13.06879	.2778140	.0071824
#3	.0011077	.000223	-.000153	13.00096	.2742573	.0075047

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0164299**	**.3712091**	**.0210861**	**2.533469**	**.0775019**	**-.000236**
Stddev	.0009989	.0066766	.0023242	.022978	.0008786	.000831
%RSD	6.079986	1.798617	11.02250	.9069786	1.133624	352.6526
#1	.0161169	.3723773	.0196006	2.533296	.0781733	-.000920
#2	.0175479	.3772246	.0198931	2.510578	.0778249	-.000476
#3	.0156250	.3640255	.0237645	2.556533	.0765075	.000689

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1471.313**	**.0024157**	**.6370259**	**^ *****	**7.380145**	**6.022782**
Stddev	8.595	.0041121	.0016736	-----	.023471	.090729
%RSD	.5841404	170.2260	.2627199	-----	.3180357	1.506432
#1	1467.458	-.002276	.6386806	^ -----	7.388380	5.995752
#2	1481.161	.004131	.6370629	^ -----	7.398389	6.123954
#3	1465.322	.005393	.6353341	^ -----	7.353666	5.948639

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01 Acquired: 7/10/2025 20:21:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 16 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0205835	F 1209.594	1.073458	.0056564	.0002393	-.030870
Stddev	.0003000	4.692	.013631	.0010393	.0011268	.008127
%RSD	1.457356	.3878627	1.269858	18.37428	470.8696	26.32519
#1	.0205280	1212.581	1.068043	.0055059	.0014958	-.029945
#2	.0203151	1212.016	1.088964	.0067627	-.000682	-.039419
#3	.0209073	1204.187	1.063366	.0047005	-.000096	-.023245

Elem	Sr4077
Units	ppm
Avg	.0552008
Stddev	.0003946
%RSD	.7148648
#1	.0556328
#2	.0548595
#3	.0551099

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3173.059	29895.66	2230.789	1957.338	3947.809
Stddev	11.623	53.27	32.185	4.546	7.124
%RSD	.3663030	.1781763	1.442775	.2322309	.1804421
#1	3181.499	29892.82	2243.361	1961.700	3954.758
#2	3177.877	29843.86	2194.215	1957.685	3948.146
#3	3159.802	29950.28	2254.791	1952.628	3940.523

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04 Acquired: 7/10/2025 20:26:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002288**	**-.000036**	**.0030564**	**-.002415**	**.0018767**	**.0131518**	**.0291492**
Stddev	.004980	.000449	.0024664	.005286	.0019863	.0168587	.0009058
%RSD	217.7211	1252.456	80.69439	218.8401	105.8392	128.1857	3.107515
#1	-.008016	.000459	.0002266	-.006324	.0037382	.0312098	.0294105
#2	.000132	-.000417	.0047485	.003599	.0021063	.0104191	.0281415
#3	.001021	-.000150	.0041941	-.004521	-.000214	-.002174	.0298956

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000596**	**-.000089**	**14.27744**	**-.000231**	**.0062295**	**.2471134**	**.0709942**
Stddev	.0000656	.000054	.04748	.000843	.0005504	.0030501	.0023619
%RSD	110.0720	60.42137	.3325268	364.8902	8.834913	1.234294	3.326957
#1	.0001127	-.000035	14.25926	.000494	.0060891	.2438692	.0702865
#2	.0000798	-.000143	14.24174	-.000031	.0068365	.2475484	.0690670
#3	-.000014	-.000089	14.33132	-.001157	.0057629	.2499227	.0736291

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0501146**	**2.697482**	**.0100435**	**-.000688**	**23.80163**	**-.002438**	**.0206714**
Stddev	.0010485	.017842	.0004219	.001182	.10162	.009128	.0006866
%RSD	2.092126	.6614140	4.200580	171.8570	.4269533	374.3297	3.321359
#1	.0510593	2.717395	.0095963	-.001014	23.68522	.004268	.0214373
#2	.0489866	2.692100	.0104345	.000623	23.87260	.001251	.0204658
#3	.0502978	2.682952	.0100997	-.001673	23.84707	-.012834	.0201111

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.300866**	**1.466579**	**.0221786**	**-.002109**	**2.566841**	**2.069681**	**-.006518**
Stddev	.006211	.055694	.0012582	.000657	.113771	.019595	.000883
%RSD	.4774383	3.797575	5.673205	31.16548	4.432333	.9467727	13.55324
#1	1.293698	1.420649	.0236188	-.002865	2.465778	2.047358	-.007483
#2	1.304644	1.528527	.0212930	-.001784	2.690061	2.077643	-.006320
#3	1.304256	1.450559	.0216239	-.001677	2.544683	2.084042	-.005750

Sample Name: Q2520-04 Acquired: 7/10/2025 20:26:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0014224	-.045189	.0530985
Stddev	.0036276	.006641	.0002309
%RSD	255.0402	14.69612	.4349087
#1	.0053940	-.042229	.0528858
#2	-.001716	-.052795	.0530657
#3	.000589	-.040543	.0533441

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3386.266	34516.69	2283.306	2130.219	4924.726
Stddev	136.724	96.95	16.765	6.542	212.364
%RSD	4.037604	.2808715	.7342577	.3070975	4.312191
#1	3461.366	34418.74	2300.770	2125.499	5058.593
#2	3228.452	34612.61	2281.809	2137.687	4679.865
#3	3468.980	34518.71	2267.339	2127.472	5035.719

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04DUP Acquired: 7/10/2025 20:30:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002271**	**-.001744**	**.0023708**	**-.002558**	**.0034377**	**.0353141**	**.0261365**
Stddev	.002182	.000871	.0010984	.005178	.0027962	.0203493	.0014607
%RSD	96.07694	49.95021	46.33125	202.4498	81.33804	57.62361	5.588833
#1	-.004187	-.001539	.0036373	.002676	.0011828	.0272936	.0274277
#2	-.002731	-.002699	.0016784	-.007679	.0065665	.0201972	.0245510
#3	.000104	-.000993	.0017967	-.002671	.0025640	.0584514	.0264309

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001567**	**-.000133**	**13.73699**	**.0018526**	**.0058120**	**.2412622**	**.0964067**
Stddev	.0003122	.000039	.02693	.0024621	.0001108	.0354404	.0200259
%RSD	199.2285	28.98408	.1960065	132.9026	1.907143	14.68956	20.77235
#1	-.000034	-.000134	13.76742	.0005881	.0057745	.2629050	.1109282
#2	.000517	-.000095	13.72726	.0046900	.0057248	.2003624	.0735613
#3	-.000012	-.000172	13.71628	.0002796	.0059367	.2605191	.1047307

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0425825**	**2.573503**	**.0107636**	**-.001029**	**24.07663**	**.0016350**	**.0236055**
Stddev	.0016959	.046258	.0005745	.002072	3.46786	.0087498	.0022043
%RSD	3.982605	1.797461	5.337440	201.3114	14.40344	535.1507	9.338008
#1	.0406707	2.612878	.0111378	-.002495	25.34093	.0043537	.0221158
#2	.0431708	2.522559	.0110508	.001341	20.15401	-.008151	.0261377
#3	.0439058	2.585072	.0101021	-.001934	26.73496	.008703	.0225631

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**^ *****	**1.426356**	**.0074897**	**-.002434**	**2.351748**	**1.944987**	**-.006074**
Stddev	-----	.019258	.0022465	.000367	.036550	.235141	.000562
%RSD	-----	1.350162	29.99467	15.08453	1.554155	12.08958	9.251148
#1	1.450185	1.404226	.0090571	-.002075	2.309581	2.076013	-.006722
#2	^ -----	1.439308	.0049160	-.002809	2.374362	1.673524	-.005781
#3	^ -----	1.435535	.0084961	-.002419	2.371302	2.085424	-.005719

Sample Name: Q2520-04DUP Acquired: 7/10/2025 20:30:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0005631	-.045347	.0512225
Stddev	.0074448	.002437	.0004800
%RSD	1322.143	5.374381	.9370807
#1	-.007684	-.048092	.0515731
#2	.002584	-.044511	.0514191
#3	.006789	-.043437	.0506755

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3543.902	32249.72	2362.222	2067.460	5148.066
Stddev	67.573	5806.15	23.266	335.664	98.917
%RSD	1.906727	18.00371	.9849287	16.23557	1.921442
#1	3620.706	35995.80	2373.721	2270.326	5262.241
#2	3517.413	25561.45	2377.500	1680.013	5093.771
#3	3493.587	35191.93	2335.445	2252.042	5088.187

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04LX5 Acquired: 7/10/2025 20:35:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003120**	**-.000492**	**.0006132**	**.0013760**	**-.000334**	**-.014379**	**.0043002**
Stddev	.0054203	.002612	.0014017	.0031577	.002815	.005066	.0006063
%RSD	1737.417	530.7209	228.6045	229.4919	842.5096	35.23347	14.09904
#1	.0028844	.002002	.0004602	.0016057	.002825	-.008749	.0049694
#2	-.005916	-.000271	.0020851	-.001890	-.002576	-.015819	.0037875
#3	.003967	-.003208	-.000706	.004413	-.001250	-.018569	.0041437

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000039**	**-.000148**	**2.789259**	**-.000071**	**.0013874**	**.0467869**	**.0144060**
Stddev	.000222	.000039	.023275	.000711	.0001432	.0018115	.0007603
%RSD	561.1100	26.09009	.8344536	999.2552	10.32392	3.871786	5.277507
#1	-.000289	-.000126	2.814041	-.000114	.0015353	.0481393	.0152768
#2	.000133	-.000125	2.767861	-.000759	.0012493	.0474926	.0140673
#3	.000038	-.000192	2.785874	.000660	.0013776	.0447287	.0138739

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108549**	**.5166902**	**.0014403**	**-.001711**	**4.220684**	**-.009016**	**.0039550**
Stddev	.0002661	.0139387	.0006161	.000457	.116260	.006932	.0003747
%RSD	2.451495	2.697685	42.77775	26.73959	2.754521	76.88733	9.474480
#1	.0108805	.5036141	.0008329	-.002094	4.347321	-.001722	.0041136
#2	.0105770	.5313552	.0014232	-.001204	4.195947	-.015519	.0035271
#3	.0111074	.5151013	.0020648	-.001834	4.118783	-.009808	.0042243

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2012243**	**.2720972**	**-.001066**	**-.000855**	**.5147306**	**.4061965**	**-.003036**
Stddev	.0068868	.0037978	.001964	.000525	.0050033	.0117661	.001034
%RSD	3.422429	1.395738	184.1943	61.42188	.9720173	2.896653	34.04727
#1	.2089400	.2684541	.000494	-.001250	.5166143	.4186736	-.001871
#2	.1990332	.2718048	-.000422	-.001056	.5185185	.4046144	-.003397
#3	.1956997	.2760327	-.003272	-.000259	.5090588	.3953015	-.003842

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04LX5 Acquired: 7/10/2025 20:35:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000181	.0420914	.0099951
Stddev	.005318	.0109378	.0001113
%RSD	2941.015	25.98582	1.113212
#1	-.005524	.0483549	.0099946
#2	-.000130	.0484578	.0098841
#3	.005111	.0294617	.0101066

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3594.256	35478.85	2360.994	2183.609	5351.962
Stddev	29.862	84.26	50.362	10.685	39.848
%RSD	.8308147	.2374995	2.133086	.4893305	.7445527
#1	3561.544	35561.11	2310.049	2192.398	5307.498
#2	3601.172	35392.72	2362.182	2186.714	5363.940
#3	3620.053	35482.72	2410.751	2171.716	5384.447

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04MS Acquired: 7/10/2025 20:55:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7300245**	**1.973692**	**.9680931**	**1.927126**	**.7870976**	**1.974126**	**.2271761**
Stddev	.0083536	.014780	.0114273	.026368	.0038391	.018451	.0031076
%RSD	1.144290	.7488524	1.180391	1.368269	.4877522	.9346365	1.367913
#1	.7362621	1.962496	.9588917	1.952171	.7887352	1.979924	.2238751
#2	.7332777	1.990445	.9808842	1.929599	.7898463	1.953472	.2276081
#3	.7205338	1.968136	.9645034	1.899609	.7827112	1.988981	.2300451

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2047850**	**.1942139**	**14.77157**	**.4053832**	**.1979158**	**.5949569**	**3.587401**
Stddev	.0012279	.0021562	.10334	.0024228	.0013655	.0036261	.017889
%RSD	.5995970	1.110213	.6995802	.5976695	.6899260	.6094768	.4986570
#1	.2058153	.1925782	14.69050	.4048690	.1963757	.5978596	3.603393
#2	.2034263	.1966573	14.73628	.4032588	.1989784	.5908922	3.568083
#3	.2051134	.1934062	14.88793	.4080219	.1983932	.5961190	3.590727

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2394177**	**4.674768**	**.4984308**	**.0658503**	**26.84061**	**.3044667**	**.2106812**
Stddev	.0032192	.087706	.0026336	.0001820	1.29535	.0050171	.0010838
%RSD	1.344588	1.876159	.5283863	.2764188	4.826064	1.647830	.5144249
#1	.2361365	4.584244	.4961907	.0657506	26.56536	.3025699	.2094359
#2	.2395456	4.759354	.5013320	.0657399	25.70501	.3006744	.2114113
#3	.2425710	4.680708	.4977697	.0660604	28.25146	.3101556	.2111963

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.85327**	**7.239329**	**.2881794**	**.4114150**	**2.198513**	**3.064998**	**.7031738**
Stddev	.16233	.086547	.0009791	.0008777	.033100	.027087	.0098130
%RSD	1.369514	1.195517	.3397450	.2133418	1.505576	.8837643	1.395534
#1	12.03841	7.297461	.2874198	.4109996	2.231941	3.077992	.6964519
#2	11.78608	7.280662	.2878341	.4108220	2.197847	3.033862	.7144346
#3	11.73532	7.139865	.2892844	.4124233	2.165750	3.083141	.6986349

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04MS Acquired: 7/10/2025 20:55:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1971502	.1671123	.2502164
Stddev	.0018291	.0052086	.0014828
%RSD	.9277876	3.116836	.5925926
#1	.1985031	.1730727	.2485205
#2	.1950691	.1634357	.2508604
#3	.1978784	.1648286	.2512682

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3524.199	36147.59	2393.507	2259.531	5018.953
Stddev	127.821	73.81	12.349	16.485	173.034
%RSD	3.626956	.2042015	.5159173	.7295868	3.447620
#1	3376.894	36070.20	2380.206	2256.069	4821.322
#2	3589.845	36217.22	2404.608	2245.052	5092.329
#3	3605.859	36155.36	2395.705	2277.473	5143.209

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV02 Acquired: 7/10/2025 20:59:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.640801**	**4.835631**	**4.714856**	**4.803538**	**4.762817**	**9.358451**	**9.764032**
Stddev	.009349	.008455	.007234	.013042	.012291	.048038	.041266
%RSD	.2014587	.1748469	.1534369	.2715111	.2580524	.5133156	.4226286
#1	4.638066	4.837995	4.716535	4.801835	4.750548	9.379650	9.786385
#2	4.633124	4.826245	4.706930	4.791431	4.762775	9.303459	9.716413
#3	4.651213	4.842652	4.721104	4.817348	4.775129	9.392243	9.789300

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2513457**	**2.375374**	**24.28654**	**.9615328**	**2.324714**	**1.233379**	**5.013089**
Stddev	.0022136	.005175	.13082	.0030461	.004559	.012286	.042775
%RSD	.8806888	.2178785	.5386686	.3167961	.1961291	.9961563	.8532701
#1	.2526341	2.373358	24.41102	.9617020	2.321333	1.240448	5.044048
#2	.2487897	2.371509	24.15018	.9644909	2.322908	1.219192	4.964280
#3	.2526133	2.381254	24.29842	.9584057	2.329899	1.240498	5.030940

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.442097**	**24.32975**	**2.351955**	**1.215397**	**24.95368**	**2.425770**	**2.372288**
Stddev	.019389	.19952	.007151	.001860	.46017	.004166	.012167
%RSD	.7939659	.8200790	.3040475	.1530738	1.844110	.1717251	.5128692
#1	2.452892	24.46970	2.347917	1.213732	25.48273	2.424160	2.368251
#2	2.419713	24.10128	2.347737	1.215054	24.73203	2.422651	2.385960
#3	2.453687	24.41828	2.360212	1.217405	24.64627	2.430501	2.362653

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.90116**	**4.756097**	**4.986909**	**4.832867**	**4.675897**	**4.941879**	**4.778636**
Stddev	.57443	.020233	.046873	.013953	.008597	.038729	.013009
%RSD	2.217789	.4254137	.9399244	.2887207	.1838550	.7836945	.2722317
#1	26.46957	4.734298	5.011337	4.822944	4.665993	4.968876	4.771925
#2	25.91302	4.759717	4.932867	4.826836	4.680267	4.897505	4.770353
#3	25.32089	4.774276	5.016522	4.848822	4.681431	4.959257	4.793630

Sample Name: CCV02 Acquired: 7/10/2025 20:59:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.841608**	**4.949976**	**4.906626**
Stddev	.036905	.026105	.022180
%RSD	.7622561	.5273669	.4520520
#1	4.873347	4.971225	4.925008
#2	4.801112	4.920836	4.881990
#3	4.850365	4.957867	4.912882

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3607.327**	**35597.43**	**2418.401**	**2218.097**	**4891.428**
Stddev	9.323	252.40	12.535	19.027	13.223
%RSD	.2584538	.7090520	.5183347	.8578192	.2703358
#1	3608.905	35579.49	2404.074	2222.591	4890.084
#2	3615.760	35354.47	2427.349	2197.225	4905.272
#3	3597.315	35858.32	2423.780	2234.475	4878.928

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB02 Acquired: 7/10/2025 21:04:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005436**	**.0008875**	**.0012845**	**.0038133**	**.0016452**	**-.016501**	**-.001422**
Stddev	.0023199	.0022063	.0017235	.0025562	.0012553	.037244	.001011
%RSD	426.7731	248.5955	134.1773	67.03483	76.29727	225.7147	71.07771
#1	.0024583	.0032266	-.000595	.0008868	.0005106	-.018523	-.000728
#2	.0012086	-.001156	.002792	.0049432	.0029937	-.052692	-.002581
#3	-.002036	.000592	.001656	.0056099	.0014314	.021714	-.000956

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001794**	**-.000062**	**-.017466**	**-.000297**	**-.000121**	**-.001255**	**-.004287**
Stddev	.0000657	.000068	.013817	.000726	.000184	.000704	.002855
%RSD	36.59888	109.8913	79.10998	243.9673	152.3465	56.05460	66.58456
#1	.0002551	.000000	-.021041	.000411	-.000084	-.000467	-.001613
#2	.0001453	-.000052	-.029144	-.001039	.000042	-.001820	-.007293
#3	.0001378	-.000135	-.002212	-.000265	-.000321	-.001479	-.003955

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000114**	**-.094027**	**-.000542**	**.0000071**	**-.002262**	**-.004204**	**-.001267**
Stddev	.001576	.082938	.000405	.0003759	.014870	.001948	.000250
%RSD	1379.547	88.20607	74.81003	5322.783	657.3908	46.33027	19.75249
#1	-.001395	-.173933	-.000376	-.000425	-.017597	-.002017	-.001139
#2	-.000594	-.008358	-.000245	.000192	-.001284	-.005752	-.001555
#3	.001646	-.099791	-.001004	.000255	.012095	-.004842	-.001107

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000083**	**-.001069**	**.0091380**	**-.000403**	**.0183273**	**-.002986**	**-.000441**
Stddev	.000242	.003125	.0009457	.000281	.0017919	.002501	.000596
%RSD	291.9683	292.4667	10.34958	69.77177	9.777398	83.76196	135.2157
#1	-.000322	-.004117	.0082566	-.000672	.0200760	-.005458	-.000715
#2	.000162	.002129	.0101371	-.000428	.0184108	-.003041	-.000851
#3	-.000088	-.001218	.0090203	-.000110	.0164951	-.000458	.000243

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB02 Acquired: 7/10/2025 21:04:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0023415	-.002316	-.000071
Stddev	.0087329	.003073	.000352
%RSD	372.9593	132.6656	494.4169
#1	-.001847	-.004847	.000185
#2	-.003508	.001103	-.000473
#3	.012380	-.003205	.000075

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3668.130	36837.09	2476.832	2267.077	5523.744
Stddev	12.561	58.62	14.993	2.791	7.273
%RSD	.3424324	.1591239	.6053305	.1231302	.1316646
#1	3660.272	36856.03	2459.552	2267.683	5518.498
#2	3661.502	36883.89	2486.379	2264.033	5520.688
#3	3682.617	36771.34	2484.567	2269.517	5532.047

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04MSD Acquired: 7/10/2025 21:09:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 23 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7071032**	**1.931553**	**.9390373**	**1.851267**	**.7756303**	**2.000880**	**.2324004**
Stddev	.0021417	.007614	.0029754	.008500	.0043348	.016102	.0019329
%RSD	.3028805	.3941762	.3168600	.4591393	.5588744	.8047247	.8317284
#1	.7089461	1.926437	.9358380	1.848550	.7745818	1.983835	.2313146
#2	.7047536	1.927919	.9395524	1.860794	.7719159	2.002971	.2312544
#3	.7076098	1.940303	.9417216	1.844459	.7803932	2.015834	.2346321

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2129703**	**.1882027**	**15.13045**	**.4087182**	**.1952443**	**.6155505**	**3.718451**
Stddev	.0036898	.0004686	.07277	.0025309	.0007219	.0093549	.063244
%RSD	1.732531	.2489705	.4809297	.6192378	.3697295	1.519763	1.700814
#1	.2168903	.1879282	15.08674	.4112316	.1959103	.6256213	3.783315
#2	.2095648	.1879361	15.09016	.4087529	.1944772	.6071315	3.656963
#3	.2124559	.1887437	15.21445	.4061701	.1953454	.6138988	3.715074

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2490033**	**4.714455**	**.4901980**	**.0666376**	**27.48774**	**.3091254**	**.2130608**
Stddev	.0018318	.055437	.0008751	.0016626	.64340	.0052407	.0010965
%RSD	.7356618	1.175902	.1785128	2.494986	2.340674	1.695327	.5146453
#1	.2504923	4.722796	.4899022	.0676947	28.19128	.3151463	.2134176
#2	.2469577	4.765250	.4895092	.0647212	26.92924	.3066402	.2139346
#3	.2495599	4.655320	.4911827	.0674969	27.34272	.3055896	.2118304

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.53914**	**6.955423**	**.3026009**	**.4080896**	**2.115264**	**3.179225**	**.6807512**
Stddev	.42287	.009449	.0046630	.0007004	.008562	.052953	.0026312
%RSD	3.372400	.1358528	1.540969	.1716346	.4047584	1.665586	.3865148
#1	13.00113	6.944605	.3079845	.4072809	2.107322	3.238928	.6778152
#2	12.17124	6.959600	.2999874	.4085041	2.114138	3.137942	.6815424
#3	12.44505	6.962064	.2998307	.4084837	2.124334	3.160806	.6828961

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04MSD Acquired: 7/10/2025 21:09:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 23 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2075857	.1555334	.2559536
Stddev	.0014681	.0116701	.0019466
%RSD	.7072364	7.503284	.7605449
#1	.2061125	.1473595	.2550478
#2	.2090487	.1688984	.2546249
#3	.2075959	.1503423	.2581881

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3618.050	36048.83	2326.447	2244.586	5178.759
Stddev	10.477	255.57	48.375	9.245	8.262
%RSD	.2895788	.7089548	2.079367	.4118946	.1595430
#1	3616.642	35754.86	2273.334	2235.506	5171.171
#2	3608.347	36218.21	2367.985	2253.988	5177.545
#3	3629.159	36173.41	2338.021	2244.264	5187.561

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04A Acquired: 7/10/2025 21:14:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 24 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6542037**	**1.797785**	**.8766735**	**1.734470**	**.7330134**	**1.890801**	**.2139904**
Stddev	.0028240	.004154	.0019192	.007137	.0021509	.018642	.0014132
%RSD	.4316739	.2310742	.2189201	.4114835	.2934277	.9859557	.6603868
#1	.6516410	1.793026	.8770823	1.729040	.7306191	1.881180	.2124077
#2	.6537388	1.800683	.8783553	1.731816	.7336391	1.878934	.2144377
#3	.6572314	1.799646	.8745828	1.742554	.7347821	1.912288	.2151258

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1920790**	**.1749234**	**14.28291**	**.3814901**	**.1818894**	**.5437586**	**3.344942**
Stddev	.0016584	.0004222	.06375	.0017900	.0004842	.0067252	.034764
%RSD	.8633938	.2413400	.4463450	.4692164	.2661948	1.236794	1.039303
#1	.1902277	.1744587	14.22964	.3835431	.1813571	.5359932	3.305407
#2	.1925805	.1752833	14.26555	.3806703	.1820075	.5476057	3.358687
#3	.1934288	.1750281	14.35354	.3802567	.1823036	.5476770	3.370732

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2335158**	**4.486476**	**.4560944**	**.0592715**	**24.86300**	**.2911371**	**.2038542**
Stddev	.0024764	.020238	.0013790	.0011327	.19380	.0065597	.0005450
%RSD	1.060469	.4510961	.3023516	1.910981	.7794572	2.253141	.2673529
#1	.2315126	4.465311	.4545141	.0587620	24.64455	.2950791	.2042506
#2	.2327502	4.488478	.4567156	.0584831	25.01427	.2947675	.2032327
#3	.2362845	4.505639	.4570536	.0605694	24.93019	.2835647	.2040792

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.27481**	**6.465147**	**.2732800**	**.3865615**	**2.089681**	**2.871032**	**.6410486**
Stddev	.07631	.003911	.0031148	.0005725	.004147	.023268	.0014422
%RSD	.6767920	.0604917	1.139771	.1481094	.1984720	.8104348	.2249742
#1	11.18945	6.463429	.2697118	.3861131	2.088948	2.844171	.6406701
#2	11.29855	6.469623	.2746729	.3863650	2.094145	2.884953	.6426423
#3	11.33642	6.462389	.2754552	.3872064	2.085948	2.883973	.6398333

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04A Acquired: 7/10/2025 21:14:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 24 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1900264	.1560353	.2394011
Stddev	.0023833	.0058486	.0008177
%RSD	1.254199	3.748276	.3415554
#1	.1892183	.1503580	.2385143
#2	.1881521	.1557064	.2401252
#3	.1927086	.1620414	.2395639

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3696.929	36674.23	2442.228	2286.333	5314.957
Stddev	13.712	223.07	19.906	9.344	23.027
%RSD	.3709072	.6082437	.8150562	.4086987	.4332437
#1	3711.558	36441.65	2465.203	2275.649	5335.608
#2	3684.369	36694.67	2430.149	2290.368	5290.127
#3	3694.858	36886.38	2431.333	2292.982	5319.136

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168772BL Acquired: 7/10/2025 21:18:25 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026452**	**-.002456**	**.0011365**	**-.000391**	**-.000225**	**-.013852**	**-.000768**
Stddev	.0033077	.001535	.0011709	.003226	.001935	.031212	.001805
%RSD	125.0453	62.49556	103.0275	824.8666	861.9146	225.3152	235.0092
#1	-.001159	-.003412	.0009988	-.003926	.001997	.009889	-.002851
#2	.004842	-.003270	.0000405	.000356	-.001121	-.049206	.000200
#3	.004253	-.000685	.0023702	.002396	-.001549	-.002240	.000346

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001355**	**-.000059**	**.0164345**	**-.000669**	**-.000044**	**-.001045**	**-.005102**
Stddev	.0000405	.000021	.0108687	.000451	.000149	.001054	.003531
%RSD	29.88563	35.52738	66.13344	67.40436	340.9406	100.9118	69.20924
#1	.0001743	-.000082	.0282930	-.000922	.000032	-.001098	-.008907
#2	.0001387	-.000040	.0140635	-.000938	.000053	.000035	-.004466
#3	.0000935	-.000055	.0069471	-.000148	-.000215	-.002072	-.001932

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000851**	**-.007988**	**-.000541**	**-.000993**	**-.030849**	**.0054589**	**-.001195**
Stddev	.002964	.050695	.000688	.001018	.016585	.0063070	.000652
%RSD	348.2245	634.6756	127.0476	102.5731	53.76074	115.5370	54.53679
#1	.001226	.050534	.000078	-.000009	-.018906	.0119201	-.000710
#2	.000467	-.036054	-.001281	-.002042	-.049785	-.000682	-.000940
#3	-.004246	-.038443	-.000421	-.000927	-.023857	.005138	-.001936

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023378**	**.0024876**	**-.003960**	**.0000291**	**.0185679**	**-.003455**	**-.006842**
Stddev	.0008747	.0014763	.001026	.0004062	.0006478	.001180	.000752
%RSD	37.41571	59.34545	25.90946	1397.636	3.488544	34.13841	10.99718
#1	.0031031	.0035457	-.003626	.0004837	.0187715	-.002662	-.007092
#2	.0013843	.0008011	-.003143	-.000298	.0178428	-.004811	-.007437
#3	.0025259	.0031160	-.005111	-.000098	.0190893	-.002892	-.005996

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168772BL Acquired: 7/10/2025 21:18:25 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0025021	-.006929	-.000221
Stddev	.0036437	.007706	.000214
%RSD	145.6255	111.2193	96.68010
#1	-.001327	-.012505	-.000431
#2	.002906	.001865	-.000230
#3	.005927	-.010146	-.000003

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3648.996	36434.23	2381.062	2271.460	5470.612
Stddev	3.627	163.51	1.471	12.230	10.584
%RSD	.0994085	.4487945	.0617894	.5384208	.1934697
#1	3651.924	36289.55	2382.639	2259.439	5476.569
#2	3650.127	36401.52	2379.727	2271.053	5476.874
#3	3644.938	36611.63	2380.818	2283.889	5458.392

Sample Name: Q2512-01DUP Acquired: 7/10/2025 21:27:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 27 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005113**	**-.002726**	**.0006231**	**.0000214**	**.0058433**	**21.45054**
Stddev	.003101	.001478	.0022004	.0036950	.0010141	.10281
%RSD	60.65265	54.22934	353.1091	17253.54	17.35540	.4793099
#1	-.003868	-.004317	.0000866	-.001001	.0052399	21.45016
#2	-.008644	-.001395	-.001259	.004120	.0070141	21.34792
#3	-.002828	-.002466	.003042	-.003055	.0052759	21.55354

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002740**	**.0000040**	**-.000122**	**12.53974**	**.2684277**	**.0068977**
Stddev	.0010045	.0000664	.000064	.07082	.0016524	.0001554
%RSD	366.6570	1645.880	52.73529	.5647580	.6155979	2.253230
#1	-.000859	.0000595	-.000176	12.61413	.2665303	.0069638
#2	.001056	.0000222	-.000137	12.53195	.2692026	.0067201
#3	.000625	-.000070	-.000051	12.47314	.2695503	.0070091

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0153655**	**.3539743**	**.0198833**	**2.421818**	**.0747979**	**.0003669**
Stddev	.0002487	.0077741	.0038231	.072666	.0008160	.0010604
%RSD	1.618470	2.196239	19.22769	3.000470	1.090951	289.0025
#1	.0150925	.3625868	.0237856	2.475273	.0747449	.0012446
#2	.0154248	.3474759	.0197195	2.451102	.0740097	-.000811
#3	.0155792	.3518602	.0161447	2.339079	.0756391	.000667

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1386.424**	**.0047313**	**.6010450**	^ *****	**7.258624**	**5.688463**
Stddev	46.100	.0044149	.0048364	-----	.061969	.131521
%RSD	3.325106	93.31302	.8046711	-----	.8537313	2.312071
#1	1438.122	.0096307	.6062214	^ -----	7.187123	5.839186
#2	1349.587	.0010614	.6002720	^ -----	7.291961	5.629222
#3	1371.564	.0035018	.5966416	^ -----	7.296790	5.596981

Sample Name: Q2512-01DUP Acquired: 7/10/2025 21:27:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 27 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0196976	F 1184.256	1.005055	.0040965	-.000868	-.033977
Stddev	.0001290	9.404	.023022	.0003374	.001387	.001905
%RSD	.6548145	.7940977	2.290667	8.236773	159.7374	5.607003
#1	.0197034	1173.424	1.031106	.0038390	-.000448	-.035775
#2	.0198237	1189.003	.996620	.0044785	-.002417	-.034176
#3	.0195659	1190.339	.987440	.0039721	.000260	-.031981

Elem	Sr4077
Units	ppm
Avg	.0521908
Stddev	.0001619
%RSD	.3102458
#1	.0523748
#2	.0521279
#3	.0520698

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3266.256	30837.59	2339.737	2032.442	4053.244
Stddev	5.691	47.13	56.360	13.281	8.837
%RSD	.1742309	.1528453	2.408816	.6534264	.2180235
#1	3266.931	30868.46	2274.758	2018.339	4062.907
#2	3271.580	30860.98	2375.336	2044.709	4051.250
#3	3260.258	30783.34	2369.118	2034.279	4045.574

Sample Name: PB168772BS Acquired: 7/10/2025 21:31:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7050830**	**2.034791**	**.9491848**	**1.981658**	**.7906279**	**1.954837**
Stddev	.0019349	.004483	.0005393	.008283	.0032467	.021754
%RSD	.2744204	.2203246	.0568118	.4180002	.4106536	1.112819
#1	.7032462	2.029754	.9485880	1.972097	.7876356	1.959005
#2	.7048999	2.036273	.9496369	1.986186	.7901679	1.931301
#3	.7071029	2.038345	.9493296	1.986690	.7940801	1.974205

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2014980**	**.2174949**	**.1904225**	**1.042026**	**.4075206**	**.1907417**
Stddev	.0010027	.0005948	.0004247	.008707	.0018950	.0004575
%RSD	.4976357	.2734901	.2230362	.8356164	.4650056	.2398533
#1	.2022527	.2180892	.1901388	1.040847	.4058922	.1902309
#2	.2003602	.2168995	.1902179	1.033969	.4070690	.1911138
#3	.2018810	.2174961	.1909108	1.051263	.4096006	.1908804

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3289380**	F **3.517855**	**.2083254**	**2.050633**	**.4874935**	**.0733814**
Stddev	.0017971	.010332	.0038077	.016327	.0014875	.0006641
%RSD	.5463282	.2936923	1.827785	.7961871	.3051304	.9049460
#1	.3307286	3.528835	.2121959	2.038773	.4862642	.0728575
#2	.3289509	3.508324	.2081967	2.043871	.4891470	.0731584
#3	.3271345	3.516406	.2045837	2.069254	.4870692	.0741282

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.182631**	**.2964688**	**.2026806**	**9.618053**	**5.500024**	**.3281223**
Stddev	.010066	.0064332	.0011831	.190265	.016406	.0037144
%RSD	.3162660	2.169949	.5837387	1.978204	.2982965	1.132021
#1	3.193240	.3038872	.2021568	9.817770	5.486370	.3321193
#2	3.173216	.2924257	.2040352	9.438913	5.495478	.3274707
#3	3.181436	.2930934	.2018498	9.597475	5.518224	.3247767

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168772BS Acquired: 7/10/2025 21:31:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4004652**	F **.1813236**	**.9615474**	**.6674480**	**.1962761**	F **.3242555**
Stddev	.0007515	.0130870	.0017872	.0014767	.0055291	.0186261
%RSD	.1876537	7.217484	.1858682	.2212500	2.817006	5.744260
#1	.4004687	.1958234	.9604516	.6675672	.2002775	.3432530
#2	.3997120	.1777599	.9636097	.6659152	.1899670	.3234889
#3	.4012150	.1703877	.9605809	.6688615	.1985839	.3060245

Elem	Sr4077
Units	ppm
Avg	**.2043157**
Stddev	.0007580
%RSD	.3709946
#1	.2045744
#2	.2034622
#3	.2049104

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3560.854**	**35398.10**	**2359.516**	**2205.849**	**5182.734**
Stddev	3.629	198.00	18.891	7.505	7.530
%RSD	.1019090	.5593546	.8006164	.3402405	.1452820
#1	3557.147	35300.65	2344.800	2198.900	5178.527
#2	3564.399	35625.94	2380.818	2213.808	5191.427
#3	3561.015	35267.71	2352.930	2204.838	5178.248

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01LX5 Acquired: 7/10/2025 21:36:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 28 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001549**	**-.001649**	**-.000264**	**-.000124**	**.0008783**	**4.439416**
Stddev	.001271	.002344	.002079	.006821	.0017482	.032821
%RSD	82.02694	142.0885	788.0259	5505.368	199.0487	.7393010
#1	-.001389	-.000465	.001422	.007738	-.000101	4.401922
#2	-.002892	-.004349	-.002587	-.003643	-.000161	4.453385
#3	-.000366	-.000134	.000373	-.004466	.002897	4.462942

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000813**	**-.000028**	**-.000088**	**2.627387**	**.0542921**	**.0015237**
Stddev	.001374	.000011	.000065	.030592	.0004437	.0001788
%RSD	168.9166	38.09363	74.32887	1.164363	.8171540	11.73330
#1	-.001483	-.000024	-.000144	2.599478	.0541816	.0013186
#2	.000767	-.000040	-.000104	2.660096	.0547805	.0016064
#3	-.001724	-.000020	-.000016	2.622588	.0539140	.0016462

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032681**	**.0806228**	**.0042462**	**.4662496**	**.0144170**	**.0001097**
Stddev	.0006033	.0040316	.0016751	.0871087	.0007626	.0025465
%RSD	18.46056	5.000516	39.44855	18.68284	5.289469	2322.235
#1	.0033410	.0817328	.0032805	.4403262	.0152705	-.000948
#2	.0026317	.0761526	.0032776	.3950453	.0141776	.003015
#3	.0038317	.0839832	.0061804	.5633772	.0138028	-.001738

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**442.1210**	**-.006842**	**.1199704**	**52.76460**	**1.355380**	**1.333275**
Stddev	2.7966	.009523	.0006790	.19654	.006066	.005389
%RSD	.6325325	139.1738	.5659404	.3724935	.4475346	.4042213
#1	444.1610	-.004050	.1200893	52.76732	1.361906	1.327102
#2	438.9332	.000972	.1192399	52.56670	1.349915	1.337044
#3	443.2689	-.017449	.1205821	52.95977	1.354317	1.335678

Sample Name: Q2512-01LX5 Acquired: 7/10/2025 21:36:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 28 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037157	F 243.0463	.2271796	.0088570	-.000936	.0359844
Stddev	.0008975	.6457	.0008541	.0005401	.001786	.0056854
%RSD	24.15361	.2656646	.3759583	6.097468	190.7985	15.79961
#1	.0026804	243.7908	.2264981	.0083091	-.000948	.0344232
#2	.0041944	242.6396	.2269030	.0088732	.000856	.0422873
#3	.0042723	242.7085	.2281378	.0093888	-.002716	.0312427

Elem	Sr4077
Units	ppm
Avg	.0107257
Stddev	.0001027
%RSD	.9573315
#1	.0107689
#2	.0107997
#3	.0106085

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3387.843	32738.89	2281.295	2093.614	4454.039
Stddev	7.982	176.34	19.834	5.624	18.217
%RSD	.2355960	.5386285	.8694395	.2686142	.4090072
#1	3383.572	32783.49	2302.052	2098.958	4451.484
#2	3397.051	32544.53	2262.533	2087.747	4473.399
#3	3382.905	32888.65	2279.300	2094.137	4437.234

Sample Name: Q2512-01MS Acquired: 7/10/2025 21:50:20 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 29 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8670742**	**1.882084**	**.9881319**	**2.032655**	**.7891952**	**23.31515**
Stddev	.0054958	.003592	.0082214	.021559	.0029290	.04899
%RSD	.6338319	.1908467	.8320129	1.060613	.3711362	.2101052
#1	.8705312	1.881244	.9792524	2.019796	.7915936	23.36580
#2	.8607369	1.878987	.9896637	2.020624	.7859309	23.31161
#3	.8699544	1.886022	.9954797	2.057544	.7900611	23.26802

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1971201**	**.1980134**	**.2185669**	**13.61394**	**.6715423**	**.2099738**
Stddev	.0013366	.0036258	.0017966	.00830	.0092451	.0007012
%RSD	.6780487	1.831073	.8219995	.0609311	1.376691	.3339405
#1	.1958381	.1974502	.2166080	13.60706	.6798644	.2094999
#2	.1985052	.2018878	.2189550	13.62315	.6615909	.2096423
#3	.1970172	.1947021	.2201377	13.61160	.6731716	.2107793

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2839181**	**3.444750**	**.2931706**	**4.377600**	**.5969679**	**.0685001**
Stddev	.0061098	.049428	.0045223	.103344	.0022874	.0014170
%RSD	2.151946	1.434867	1.542564	2.360740	.3831665	2.068612
#1	.2823216	3.444214	.2902312	4.375056	.5944733	.0701354
#2	.2906676	3.494444	.2983782	4.482193	.5974637	.0677304
#3	.2787650	3.395593	.2909025	4.275552	.5989667	.0676345

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1386.494**	**.2912368**	**.8132370**	**^ *****	**13.90190**	**5.926013**
Stddev	29.195	.0051535	.0050279	-----	.09519	.104177
%RSD	2.105690	1.769509	.6182569	-----	.6847189	1.757964
#1	1386.634	.2879181	.8177776	^ -----	13.79547	5.913158
#2	1415.620	.2971737	.8078335	^ -----	13.93135	6.036021
#3	1357.230	.2886185	.8140999	^ -----	13.97888	5.828860

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01MS Acquired: 7/10/2025 21:50:20 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 29 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4170009	F 1172.481	1.828970	.7591390	.1992170	.1660571
Stddev	.0008227	10.365	.034177	.0069755	.0059673	.0025252
%RSD	.1972849	.8840318	1.868644	.9188649	2.995395	1.520704
#1	.4173848	1161.098	1.838129	.7513860	.1932863	.1680444
#2	.4160565	1174.971	1.857634	.7611246	.2052203	.1669113
#3	.4175615	1181.375	1.791147	.7649064	.1991443	.1632155

Elem	Sr4077
Units	ppm
Avg	.2473404
Stddev	.0018229
%RSD	.7370027
#1	.2463138
#2	.2494451
#3	.2462623

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3227.918	30518.58	2319.750	2011.457	4017.908
Stddev	13.034	426.99	57.973	20.475	3.993
%RSD	.4038001	1.399126	2.499091	1.017905	.0993844
#1	3212.882	30027.94	2297.482	1998.002	4013.591
#2	3236.013	30721.78	2276.212	2001.349	4018.666
#3	3234.860	30806.03	2385.555	2035.020	4021.468

Sample Name: Q2512-01MSD Acquired: 7/10/2025 21:59:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 30 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8919239**	**1.918948**	**1.014985**	**2.084624**	**.8003117**	**23.68971**
Stddev	.0177741	.020558	.013029	.033514	.0044564	.07346
%RSD	1.992780	1.071305	1.283682	1.607699	.5568382	.3101038
#1	.8877982	1.912692	1.012355	2.079676	.7958542	23.75365
#2	.8765755	1.902244	1.003472	2.053860	.8003137	23.70602
#3	.9113980	1.941907	1.029129	2.120338	.8047671	23.60947

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2016762**	**.2020234**	**.2245829**	**13.78249**	**.6736476**	**.2141204**
Stddev	.0008734	.0039479	.0035373	.08281	.0020622	.0021737
%RSD	.4330811	1.954161	1.575045	.6008269	.3061181	1.015158
#1	.2018327	.1974698	.2238254	13.86547	.6718141	.2133855
#2	.2007350	.2044850	.2214857	13.69985	.6732485	.2124095
#3	.2024607	.2041154	.2284375	13.78216	.6758801	.2165663

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2904005**	**3.516524**	**.3172711**	**4.487905**	**.6086432**	**.0699176**
Stddev	.0044650	.081030	.0016784	.072162	.0056600	.0008559
%RSD	1.537526	2.304251	.5290072	1.607922	.9299452	1.224149
#1	.2855122	3.425862	.3159255	4.442227	.6072280	.0708102
#2	.2942638	3.581883	.3167360	4.450392	.6038251	.0691039
#3	.2914256	3.541827	.3191518	4.571097	.6148766	.0698388

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1427.813**	**.3053434**	**.8235661**	^ *****	**14.29164**	**6.050944**
Stddev	32.266	.0037169	.0014222	-----	.27897	.108960
%RSD	2.259850	1.217275	.1726897	-----	1.952008	1.800714
#1	1394.109	.3051610	.8231557	^ -----	14.22188	5.925175
#2	1458.418	.3017210	.8223942	^ -----	14.05417	6.116832
#3	1430.913	.3091481	.8251484	^ -----	14.59888	6.110825

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01MSD Acquired: 7/10/2025 21:59:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 30 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4214403	F 1206.389	1.858840	.7775996	.2005623	.1855672
Stddev	.0016973	25.894	.032861	.0143099	.0058545	.0086529
%RSD	.4027339	2.146385	1.767802	1.840271	2.919053	4.662921
#1	.4201726	1198.468	1.821093	.7737800	.2021386	.1921171
#2	.4207797	1185.382	1.881059	.7655870	.1940811	.1888265
#3	.4233685	1235.319	1.874367	.7934318	.2054673	.1757580

Elem	Sr4077
Units	ppm
Avg	.2515014
Stddev	.0012706
%RSD	.5051959
#1	.2527504
#2	.2502103
#3	.2515436

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3198.123	30141.70	2264.648	1970.390	3964.994
Stddev	16.586	108.86	45.703	7.088	32.615
%RSD	.5186273	.3611661	2.018089	.3597437	.8225675
#1	3216.831	30140.47	2314.618	1971.311	3991.972
#2	3192.321	30033.45	2224.967	1962.886	3974.263
#3	3185.217	30251.17	2254.361	1976.973	3928.749

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01A Acquired: 7/10/2025 22:03:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 31 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9222776**	**1.989778**	**1.045180**	**2.150670**	**.8318857**	**24.39620**
Stddev	.0049828	.007692	.007281	.009798	.0058151	.04487
%RSD	.5402717	.3865804	.6966558	.4555907	.6990230	.1839264
#1	.9233524	1.981561	1.037456	2.140023	.8352244	24.36062
#2	.9168451	1.996806	1.051918	2.152678	.8251711	24.38137
#3	.9266353	1.990967	1.046167	2.159309	.8352616	24.44661

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2091819**	**.2122085**	**.2311586**	**14.04262**	**.7070380**	**.2229844**
Stddev	.0014416	.0088929	.0010794	.03999	.0066854	.0004866
%RSD	.6891758	4.190651	.4669564	.2847860	.9455460	.2182083
#1	.2105873	.2078717	.2300431	13.99944	.7133749	.2224665
#2	.2092517	.2224378	.2312349	14.07838	.7000516	.2230547
#3	.2077065	.2063160	.2321979	14.05004	.7076875	.2234320

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3039128**	**3.623790**	**.2244640**	**4.572165**	**.6299257**	**.0554423**
Stddev	.0148656	.133395	.0010730	.033872	.0013759	.0001440
%RSD	4.891392	3.681103	.4780301	.7408365	.2184297	.2597291
#1	.2968695	3.570621	.2249914	4.542794	.6283437	.0553190
#2	.3209910	3.775571	.2251712	4.609219	.6305886	.0556005
#3	.2938780	3.525179	.2232293	4.564482	.6308447	.0554072

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1452.213**	**.3182240**	**.8436119**	^ *****	**14.52642**	**6.208755**
Stddev	71.313	.0036234	.0024617	-----	.08120	.251501
%RSD	4.910663	1.138629	.2918001	-----	.5589762	4.050748
#1	1430.670	.3155549	.8463603	^ -----	14.43623	6.090540
#2	1531.815	.3223489	.8416095	^ -----	14.54929	6.497584
#3	1394.156	.3167683	.8428660	^ -----	14.59372	6.038142

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01A Acquired: 7/10/2025 22:03:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: 31 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4402086	F 1209.033	1.965580	.8015074	.2096793	.1802720
Stddev	.0016278	5.967	.078150	.0051166	.0022459	.0096787
%RSD	.3697702	.4935648	3.975923	.6383672	1.071115	5.368961
#1	.4402512	1202.559	1.928620	.7955995	.2112783	.1903305
#2	.4385600	1210.224	2.055354	.8045109	.2106480	.1710240
#3	.4418147	1214.314	1.912765	.8044116	.2071116	.1794615

Elem	Sr4077
Units	ppm
Avg	.2613129
Stddev	.0009273
%RSD	.3548768
#1	.2618349
#2	.2618617
#3	.2602423

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3120.501	29218.84	2201.602	1929.554	3889.856
Stddev	7.606	165.00	97.521	20.141	4.114
%RSD	.2437508	.5647125	4.429553	1.043797	.1057647
#1	3116.492	29053.55	2240.127	1940.310	3889.264
#2	3129.273	29219.43	2090.703	1906.319	3894.234
#3	3115.738	29383.55	2273.976	1942.033	3886.070

Sample Name: PB168705TB Acquired: 7/10/2025 22:07:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001027**	**-.005334**	**.0016861**	**-.003698**	**-.002271**	**.0488436**	**-.001109**
Stddev	.004430	.000869	.0012687	.006114	.003001	.0331882	.000786
%RSD	431.2647	16.29156	75.24558	165.3288	132.1354	67.94779	70.84898
#1	.002560	-.004912	.0006681	-.005247	-.001541	.0500393	-.001662
#2	.000338	-.004756	.0012827	.003041	-.005570	.0814178	-.001457
#3	-.005979	-.006333	.0031074	-.008888	.000298	.0150738	-.000210

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000027**	**-.000154**	**.0424549**	**.0002758**	**-.000066**	**.0003696**	**.0140934**
Stddev	.000011	.000072	.0039697	.0002115	.000346	.0004028	.0021625
%RSD	39.74044	46.56284	9.350309	76.68682	527.4033	108.9800	15.34414
#1	-.000029	-.000133	.0453037	.0000553	-.000308	.0008080	.0139295
#2	-.000036	-.000234	.0441404	.0004769	-.000219	.0000159	.0120175
#3	-.000015	-.000095	.0379206	.0002952	.000330	.0002849	.0163331

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047420**	**-.014590**	**.0019915**	**-.000352**	**388.4405**	**-.004327**	**.0078475**
Stddev	.0018224	.039183	.0007114	.000917	2.0137	.008240	.0000405
%RSD	38.43052	268.5659	35.71941	260.6272	.5184021	190.4454	.5156290
#1	.0039935	-.055247	.0025339	.000529	388.9654	-.005651	.0078391
#2	.0034131	-.011452	.0011861	-.001302	390.1398	.004495	.0078119
#3	.0068194	.022930	.0022546	-.000283	386.2164	-.011824	.0078915

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1000853**	**.0161133**	**.0181988**	**.0004535**	**.4135913**	**.0131081**	**-.006346**
Stddev	.0023051	.0009058	.0027607	.0003268	.0130744	.0013405	.000783
%RSD	2.303149	5.621452	15.16981	72.06260	3.161186	10.22612	12.33976
#1	.1002869	.0160580	.0196473	.0007575	.4269937	.0116425	-.006745
#2	.0976860	.0152364	.0199339	.0001078	.4129087	.0142720	-.006850
#3	.1022830	.0170455	.0150153	.0004954	.4008716	.0134098	-.005444

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168705TB Acquired: 7/10/2025 22:07:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0038479	-.053612	-.000084
Stddev	.0035077	.004285	.000441
%RSD	91.15663	7.993348	526.2283
#1	.0077938	-.057250	-.000214
#2	.0026666	-.054696	.000408
#3	.0010835	-.048888	-.000445

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3453.735	33393.62	2358.603	2126.592	4625.834
Stddev	13.239	165.13	13.711	14.412	19.264
%RSD	.3833243	.4944930	.5813166	.6777112	.4164368
#1	3448.311	33558.43	2374.427	2133.670	4624.582
#2	3468.825	33228.17	2351.121	2110.009	4645.693
#3	3444.069	33394.25	2350.261	2136.096	4607.227

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV03 Acquired: 7/10/2025 22:32:20 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.827249**	**4.989922**	**4.933960**	**4.940762**	**4.875134**	**9.636322**	**9.997465**
Stddev	.011254	.002886	.001550	.018963	.008747	.053444	.028168
%RSD	.2331437	.0578404	.0314112	.3838094	.1794221	.5546119	.2817527
#1	4.822270	4.989829	4.932351	4.936979	4.867826	9.587117	9.974317
#2	4.819343	4.992853	4.935443	4.923977	4.872749	9.628668	10.02883
#3	4.840134	4.987083	4.934086	4.961332	4.884826	9.693180	9.98925

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2554599**	**2.476908**	**24.87519**	**.9965546**	**2.410000**	**1.269058**	**5.137625**
Stddev	.0007514	.002877	.10329	.0012858	.000618	.001001	.011860
%RSD	.2941468	.1161464	.4152378	.1290290	.0256317	.0788483	.2308512
#1	.2545977	2.473586	24.75767	.9953039	2.409287	1.268444	5.132416
#2	.2559752	2.478563	24.95157	.9964870	2.410355	1.270213	5.129261
#3	.2558067	2.478574	24.91633	.9978729	2.410358	1.268518	5.151199

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.505269**	**24.82261**	**2.435409**	**1.247246**	**26.50213**	**2.490156**	**2.452759**
Stddev	.009169	.13941	.002180	.001374	.11038	.004905	.008473
%RSD	.3660015	.5616385	.0894967	.1101832	.4165016	.1969690	.3454480
#1	2.496467	24.68435	2.433021	1.248776	26.46380	2.486988	2.443845
#2	2.504574	24.82034	2.435915	1.246116	26.62657	2.495805	2.460708
#3	2.514766	24.96315	2.437291	1.246846	26.41603	2.487674	2.453724

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.87856**	**4.948170**	**5.122561**	**4.943258**	**4.873693**	**5.112655**	**4.976394**
Stddev	.06497	.006755	.004723	.011971	.009587	.003982	.007603
%RSD	.2416984	.1365109	.0922087	.2421593	.1967134	.0778775	.1527788
#1	26.83587	4.940520	5.121782	4.930636	4.875332	5.115919	4.968516
#2	26.84648	4.953314	5.127626	4.944690	4.863392	5.113827	4.976978
#3	26.95333	4.950675	5.118276	4.954449	4.882355	5.108219	4.983688

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV03 Acquired: 7/10/2025 22:32:20 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.974865**	**5.002729**	**5.024945**
Stddev	.016700	.019357	.021750
%RSD	.3356937	.3869202	.4328423
#1	4.963150	5.023717	5.004174
#2	4.993988	4.998891	5.047557
#3	4.967458	4.985579	5.023103

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3385.713**	**32906.45**	**2239.917**	**2057.407**	**4565.400**
Stddev	6.924	64.02	4.528	8.278	8.661
%RSD	.2045178	.1945646	.2021715	.4023340	.1897033
#1	3393.658	32960.65	2244.950	2066.623	4574.483
#2	3382.521	32835.81	2236.172	2050.605	4557.234
#3	3380.960	32922.90	2238.630	2054.993	4564.484

Sample Name: CCB03 Acquired: 7/10/2025 22:36:36 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025219**	**-.000003**	**.0015047**	**-.000712**	**.0021497**	**-.024841**
Stddev	.0021990	.001105	.0016275	.001464	.0034851	.014157
%RSD	87.19515	34949.87	108.1599	205.5468	162.1235	56.99165
#1	.0008276	-.000364	-.000350	-.000596	-.001205	-.011186
#2	.0017313	-.000882	.002171	-.002232	.001903	-.039452
#3	.0050069	.001237	.002693	.000690	.005752	-.023885

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002098**	**.0001290**	**-.000092**	**.0112455**	**-.000379**	**-.000022**
Stddev	.002247	.0001769	.000030	.0531734	.000453	.000085
%RSD	107.0670	137.2065	32.72614	472.8407	119.3291	382.9690
#1	.000401	.0001058	-.000115	.0594837	-.000803	.000048
#2	-.002746	.0003164	-.000104	-.045771	-.000432	-.000117
#3	-.003950	-.000035	-.000058	.020024	.000097	.000002

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001211**	**.0137684**	**-.000009**	**.0245569**	**-.000725**	**.0004168**
Stddev	.001227	.0023289	.001448	.0078638	.000278	.0009077
%RSD	101.2980	16.91500	16526.42	32.02279	38.26602	217.7719
#1	-.001887	.0164492	-.001609	.0166780	-.000806	-.000578
#2	-.001951	.0122446	.001213	.0324056	-.000416	.000628
#3	.000205	.0126114	.000369	.0245872	-.000953	.001200

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049291**	**-.001073**	**.0035014**	**.0195538**	**.0033148**	F **.0151358**
Stddev	.0059080	.006417	.0002663	.0019224	.0004630	.0008239
%RSD	119.8586	598.2529	7.606005	9.831228	13.96740	5.443541
#1	.0015859	-.007517	.0032104	.0174452	.0028496	.0143526
#2	.0014508	.005317	.0037329	.0212089	.0033194	.0159951
#3	.0117506	-.001018	.0035609	.0200073	.0037755	.0150596

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB03 Acquired: 7/10/2025 22:36:36 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000286	F .0571695	-.002043	.0014130	-.000597	-.015179
Stddev	.000289	.0023738	.000298	.0002270	.004655	.004190
%RSD	101.1461	4.152224	14.57154	16.06543	779.4790	27.60292
#1	.000048	.0585848	-.001984	.0015115	.004751	-.017590
#2	-.000468	.0544290	-.001779	.0011534	-.002811	-.017605
#3	-.000438	.0584948	-.002365	.0015741	-.003732	-.010341

Elem	Sr4077
Units	ppm
Avg	-.000247
Stddev	.000144
%RSD	58.05272
#1	-.000168
#2	-.000413
#3	-.000161

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3572.493	35186.56	2324.550	2189.077	5356.280
Stddev	10.852	266.08	5.643	7.622	18.895
%RSD	.3037585	.7562074	.2427512	.3481928	.3527687
#1	3561.093	35312.31	2330.918	2193.141	5334.707
#2	3573.690	34880.91	2322.558	2180.284	5364.242
#3	3582.697	35366.47	2320.173	2193.806	5369.892

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01 Acquired: 7/10/2025 22:41:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007929**	**-.002476**	**.0013741**	**.0027103**	**-.002627**	**1.953083**	**.4147467**
Stddev	.0024682	.000863	.0013190	.0047560	.002552	.024332	.0032515
%RSD	311.2835	34.84221	95.99320	175.4764	97.14346	1.245818	.7839811
#1	.0005010	-.001534	.0005937	-.002731	.000185	1.933920	.4136334
#2	-.001516	-.003227	.0006315	.004789	-.003269	1.980458	.4184086
#3	.003394	-.002667	.0028970	.006073	-.004795	1.944871	.4121980

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001508**	**-.000226**	**5.706113**	**.0000885**	**.0029139**	**.0465303**	**7.677631**
Stddev	.0001396	.000021	.037365	.0004628	.0001375	.0005367	.031616
%RSD	92.60658	9.267206	.6548270	522.8619	4.719209	1.153382	.4117976
#1	.0002044	-.000240	5.746683	-.000292	.0030556	.0459485	7.641129
#2	-.000008	-.000237	5.698544	.000603	.0029050	.0470059	7.696447
#3	.000256	-.000202	5.673112	-.000045	.0027810	.0466366	7.695316

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8095444**	**1.327565**	**.0029622**	**-.001198**	**11.73431**	**-.007965**	**.0393632**
Stddev	.0028517	.025330	.0004229	.000686	.06402	.011592	.0001552
%RSD	.3522615	1.908001	14.27740	57.23676	.5456115	145.5307	.3943586
#1	.8073583	1.317114	.0025427	-.001727	11.66917	.004086	.0395401
#2	.8085048	1.356449	.0033885	-.001445	11.79715	-.008946	.0392497
#3	.8127700	1.309133	.0029554	-.000423	11.73662	-.019035	.0392999

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.251854**	**.0134451**	**.0258749**	**-.000536**	**.4414517**	**.4213488**	**-.006558**
Stddev	.027420	.0006355	.0010114	.000449	.0025633	.0033821	.000687
%RSD	.8432046	4.726935	3.908923	83.86098	.5806552	.8026809	10.47645
#1	3.227244	.0134873	.0251350	-.001023	.4408133	.4183291	-.005993
#2	3.281411	.0140585	.0270274	-.000448	.4392679	.4207139	-.007323
#3	3.246908	.0127895	.0254622	-.000137	.4442739	.4250033	-.006358

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01 Acquired: 7/10/2025 22:41:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0129082	-.049461	.0366786
Stddev	.0011922	.002872	.0002444
%RSD	9.235886	5.806367	.6662846
#1	.0123280	-.052485	.0368285
#2	.0121171	-.046771	.0363966
#3	.0142794	-.049128	.0368107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3649.473	35833.35	2361.697	2246.171	5371.062
Stddev	3.535	68.36	7.303	8.555	4.934
%RSD	.0968610	.1907728	.3092479	.3808507	.0918613
#1	3652.632	35771.89	2366.624	2237.273	5372.969
#2	3650.133	35821.19	2353.306	2254.335	5374.759
#3	3645.655	35906.98	2365.161	2246.904	5365.460

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01DUP Acquired: 7/10/2025 22:45:29 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013485**	**-.001682**	**.0032480**	**.0031891**	**-.001591**	**1.890033**	**.4046975**
Stddev	.0000644	.001278	.0006908	.0043717	.000201	.032740	.0033513
%RSD	4.776319	75.92944	21.26734	137.0847	12.64165	1.732238	.8281116
#1	.0014137	-.001519	.0026350	.0081996	-.001367	1.921351	.4070615
#2	.0012849	-.003034	.0031125	.0012158	-.001651	1.856036	.4061689
#3	.0013470	-.000495	.0039964	.0001518	-.001756	1.892712	.4008622

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001046**	**-.000130**	**5.595075**	**.0003670**	**.0031868**	**.0454118**	**7.618305**
Stddev	.0000427	.000038	.026667	.0006767	.0003753	.0006412	.060183
%RSD	40.78679	29.02266	.4766191	184.3703	11.77604	1.411869	.7899787
#1	.0001001	-.000166	5.612400	.0006040	.0029000	.0460675	7.656244
#2	.0000643	-.000135	5.564366	-.000396	.0030489	.0447863	7.649758
#3	.0001493	-.000090	5.608458	.000893	.0036115	.0453816	7.548913

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7918044**	**1.323264**	**.0032273**	**-.001052**	**11.50190**	**.0054288**	**.0388580**
Stddev	.0089919	.035284	.0003889	.001008	.04358	.0058977	.0003200
%RSD	1.135617	2.666425	12.05185	95.83793	.3789128	108.6373	.8235534
#1	.8019576	1.282680	.0036671	-.001892	11.49508	.0053330	.0392260
#2	.7886089	1.340446	.0030861	.000066	11.54849	.0113739	.0387033
#3	.7848467	1.346666	.0029286	-.001330	11.46214	-.000420	.0386448

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.203406**	**.0131284**	**.0214025**	**-.000915**	**.4321429**	**.4112812**	**-.007244**
Stddev	.007692	.0008314	.0010495	.000356	.0044398	.0031652	.000138
%RSD	.2401086	6.332969	4.903615	38.90836	1.027395	.7695967	1.905374
#1	3.206609	.0140876	.0220065	-.000581	.4348874	.4127753	-.007360
#2	3.208979	.0126150	.0201907	-.000875	.4345207	.4134227	-.007091
#3	3.194630	.0126825	.0220105	-.001290	.4270206	.4076455	-.007280

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01DUP Acquired: 7/10/2025 22:45:29 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0117175	-.044202	.0356944
Stddev	.0034783	.008222	.0005933
%RSD	29.68427	18.60033	1.662193
#1	.0077197	-.035655	.0362215
#2	.0133823	-.052054	.0358098
#3	.0140505	-.044898	.0350519

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3704.081	36291.92	2387.612	2269.643	5457.448
Stddev	8.733	106.11	12.948	3.099	15.704
%RSD	.2357562	.2923691	.5423058	.1365375	.2877513
#1	3697.050	36405.49	2376.882	2267.857	5439.342
#2	3713.856	36274.93	2383.961	2273.221	5465.640
#3	3701.336	36195.33	2401.994	2267.850	5467.362

Sample Name: Q2477-01LX5 Acquired: 7/10/2025 22:49:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012313**	**-.001270**	**.0015002**	**-.001533**	**.0012093**	**.4432489**	**.0786948**
Stddev	.0007851	.001706	.0009303	.001938	.0007350	.0128674	.0010157
%RSD	63.76280	134.3162	62.01180	126.3881	60.77603	2.902981	1.290735
#1	.0003311	-.000263	.0013003	.000031	.0003776	.4285972	.0777371
#2	.0015886	-.003240	.0006861	-.000930	.0014790	.4527116	.0785871
#3	.0017742	-.000307	.0025143	-.003701	.0017713	.4484381	.0797600

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000094**	**-.000060**	**1.163602**	**.0001758**	**.0004790**	**.0086634**	**1.446199**
Stddev	.000091	.000060	.005303	.0007891	.0002362	.0001280	.005961
%RSD	96.64952	100.0070	.4557520	448.7564	49.29952	1.477670	.4122083
#1	-.000009	-.000027	1.167157	-.000668	.0007020	.0085696	1.439836
#2	-.000083	-.000130	1.157506	.000301	.0005035	.0086113	1.447105
#3	-.000190	-.000025	1.166142	.000895	.0002316	.0088092	1.451655

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1610524**	**.2675848**	**.0002087**	**.0001264**	**2.097801**	**.0047313**	**.0080366**
Stddev	.0024857	.0446590	.0002939	.0013001	.013267	.0085059	.0003558
%RSD	1.543429	16.68965	140.7867	1028.720	.6324171	179.7797	4.426960
#1	.1597709	.3174075	.0003396	-.001270	2.105039	.0028693	.0078193
#2	.1594690	.2311538	.0004144	.001301	2.082490	-.002689	.0084471
#3	.1639174	.2541931	-.000128	.000348	2.105875	.014014	.0078432

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4993688**	**.0049127**	**.0024120**	**-.000316**	**.1254038**	**.0827961**	**.0045819**
Stddev	.0028044	.0020653	.0011191	.000760	.0058887	.0011242	.0006579
%RSD	.5615829	42.04078	46.39590	240.5029	4.695791	1.357769	14.35771
#1	.4980138	.0046701	.0021212	-.001154	.1297059	.0840327	.0042057
#2	.4974992	.0070885	.0014671	.000331	.1186925	.0825197	.0041984
#3	.5025933	.0029793	.0036478	-.000126	.1278130	.0818359	.0053415

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01LX5 Acquired: 7/10/2025 22:49:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0044226	-.023248	.0071938
Stddev	.0020591	.003526	.0004138
%RSD	46.55805	15.16580	5.751604
#1	.0038044	-.023690	.0073288
#2	.0027434	-.026533	.0075231
#3	.0067199	-.019523	.0067294

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3590.717	35414.11	2362.002	2194.871	5319.138
Stddev	9.431	55.67	8.300	1.615	14.113
%RSD	.2626451	.1572078	.3513990	.0735606	.2653334
#1	3594.813	35351.21	2369.997	2196.137	5313.308
#2	3579.930	35457.05	2362.582	2193.053	5308.874
#3	3597.406	35434.09	2353.427	2195.423	5335.233

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01MS Acquired: 7/10/2025 22:54:20 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7401258**	**2.054425**	**.9902254**	**1.977231**	**.8165403**	**4.033804**	**.6361047**
Stddev	.0017996	.004899	.0017298	.009102	.0013982	.046331	.0042975
%RSD	.2431454	.2384495	.1746891	.4603459	.1712384	1.148576	.6755962
#1	.7392037	2.053526	.9906662	1.974857	.8153764	4.016464	.6314877
#2	.7421995	2.050039	.9883178	1.969551	.8161532	3.998644	.6368382
#3	.7389742	2.059711	.9916921	1.987285	.8180913	4.086304	.6399883

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2205714**	**.1957216**	**6.841248**	**.4300589**	**.2008141**	**.3934993**	**10.64230**
Stddev	.0013894	.0004545	.045030	.0014627	.0007668	.0044168	.06085
%RSD	.6298960	.2322165	.6582092	.3401108	.3818649	1.122434	.5717969
#1	.2213079	.1952331	6.789766	.4288272	.2001371	.3966747	10.69638
#2	.2189688	.1957997	6.873305	.4316756	.2016469	.3884553	10.57641
#3	.2214374	.1961320	6.860672	.4296738	.2006583	.3953677	10.65411

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.036148**	**3.502676**	**.5046321**	**.0727562**	**15.67065**	**.3159045**	**.2513450**
Stddev	.003067	.003996	.0002070	.0004431	.15475	.0173308	.0016325
%RSD	.2960158	.1140880	.0410266	.6090299	.9875420	5.486097	.6495053
#1	1.034105	3.506645	.5048442	.0732659	15.76322	.2960133	.2512755
#2	1.034664	3.498653	.5046215	.0725393	15.49199	.3239495	.2497483
#3	1.039675	3.502729	.5044305	.0724633	15.75673	.3277508	.2530111

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.58300**	**5.738885**	**.3315653**	**.4150731**	**.4636838**	**1.421441**	**.6994733**
Stddev	.12135	.010805	.0024879	.0004601	.0017632	.010635	.0024595
%RSD	.7787115	.1882774	.7503366	.1108498	.3802627	.7481681	.3516222
#1	15.72048	5.727781	.3332315	.4147213	.4655372	1.423779	.6969082
#2	15.49081	5.749364	.3287055	.4149041	.4620273	1.409832	.6997003
#3	15.53773	5.739511	.3327588	.4155938	.4634869	1.430712	.7018115

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01MS Acquired: 7/10/2025 22:54:20 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**.2183249**	**.1798911**	**.2497551**
Stddev	.0014346	.0106251	.0006621
%RSD	.6570920	5.906391	.2651092
#1	.2183301	.1875600	.2490171
#2	.2168878	.1843502	.2499511
#3	.2197570	.1677631	.2502972

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3574.536**	**34740.71**	**2314.055**	**2183.206**	**5155.948**
Stddev	7.457	158.59	21.111	14.191	9.453
%RSD	.2086268	.4565094	.9122801	.6499954	.1833420
#1	3583.144	34876.92	2311.320	2196.183	5166.365
#2	3570.038	34778.62	2336.400	2185.383	5147.915
#3	3570.427	34566.60	2294.446	2168.053	5153.565

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01MSD Acquired: 7/10/2025 22:58:39 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6981922**	**1.936226**	**.9356139**	**1.860542**	**.7846430**	**3.973590**	**.6023101**
Stddev	.0039690	.005723	.0005417	.009321	.0029247	.014874	.0008383
%RSD	.5684628	.2955757	.0579015	.5010048	.3727371	.3743321	.1391731
#1	.7025573	1.933997	.9355984	1.854204	.7865430	3.989248	.6028146
#2	.6948005	1.931953	.9350801	1.856179	.7812751	3.959648	.6027732
#3	.6972189	1.942728	.9361632	1.871245	.7861108	3.971874	.6013424

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2076089**	**.1851728**	**6.553108**	**.4074412**	**.1905610**	**.3732191**	**13.02673**
Stddev	.0021017	.0006004	.015595	.0021678	.0001583	.0042846	.14367
%RSD	1.012338	.3242516	.2379710	.5320535	.0830594	1.148020	1.102876
#1	.2081528	.1847399	6.539918	.4074838	.1903993	.3750285	13.05891
#2	.2052887	.1849203	6.549086	.4095874	.1905681	.3683266	12.86971
#3	.2093852	.1858583	6.570319	.4052524	.1907156	.3763021	13.15159

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9898505**	**3.393303**	**.4782073**	**.0691851**	**14.98079**	**.3088211**	**.2413212**
Stddev	.0018229	.075679	.0009920	.0007076	.21455	.0111800	.0009635
%RSD	.1841540	2.230235	.2074373	1.022815	1.432185	3.620211	.3992738
#1	.9900509	3.306064	.4772964	.0683798	15.02740	.3030196	.2402096
#2	.9915649	3.432533	.4780613	.0694679	14.74677	.3017344	.2418376
#3	.9879358	3.441311	.4792642	.0697077	15.16821	.3217093	.2419165

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.88222**	**5.416180**	**.3135346**	**.4011542**	**.4470248**	**1.421623**	**.6737172**
Stddev	.30150	.013967	.0053034	.0010322	.0053174	.015602	.0010695
%RSD	2.025906	.2578738	1.691485	.2573150	1.189502	1.097452	.1587508
#1	15.21800	5.407909	.3118891	.4007919	.4409452	1.422645	.6737387
#2	14.79399	5.408325	.3092489	.4003520	.4508082	1.405536	.6726371
#3	14.63468	5.432306	.3194656	.4023188	.4493211	1.436688	.6747758

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01MSD Acquired: 7/10/2025 22:58:39 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2105113	.1607760	.2359873
Stddev	.0036893	.0014619	.0004612
%RSD	1.752552	.9092529	.1954485
#1	.2083015	.1591053	.2359223
#2	.2147704	.1618200	.2364776
#3	.2084621	.1614026	.2355620

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3650.615	35728.60	2375.454	2237.221	5260.902
Stddev	10.918	203.89	13.440	15.483	9.946
%RSD	.2990626	.5706571	.5657891	.6920445	.1890463
#1	3663.217	35784.50	2375.406	2249.476	5272.371
#2	3644.602	35502.59	2388.917	2219.821	5254.654
#3	3644.025	35898.70	2362.037	2242.365	5255.681

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01A Acquired: 7/10/2025 23:02:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7336684**	**2.017114**	**.9778322**	**1.948032**	**.8134472**	**3.970691**	**.6203447**
Stddev	.0076558	.004154	.0011229	.003240	.0005421	.042821	.0052212
%RSD	1.043502	.2059217	.1148350	.1663076	.0666375	1.078432	.8416539
#1	.7254232	2.017609	.9780224	1.949527	.8138376	4.002596	.6180280
#2	.7350300	2.012734	.9788479	1.950255	.8136756	3.987453	.6263234
#3	.7405522	2.020997	.9766264	1.944315	.8128283	3.922024	.6166829

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2152161**	**.1931398**	**6.687437**	**.4231830**	**.1985750**	**.3906420**	**11.83217**
Stddev	.0031954	.0001668	.059444	.0009931	.0002290	.0064992	.18893
%RSD	1.484753	.0863763	.8888866	.2346632	.1153208	1.663714	1.596779
#1	.2129690	.1931362	6.666403	.4223704	.1985443	.3867859	11.69812
#2	.2188742	.1933084	6.754538	.4242900	.1983629	.3981457	12.04825
#3	.2138052	.1929748	6.641370	.4228888	.1988178	.3869946	11.75013

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.019813**	**3.522349**	**.4977551**	**.0725282**	**15.19692**	**.3053708**	**.2496951**
Stddev	.005169	.066381	.0003966	.0012912	.29372	.0013421	.0022532
%RSD	.5068898	1.884578	.0796723	1.780310	1.932765	.4394816	.9023688
#1	1.015139	3.519979	.4973032	.0711292	14.93183	.3045596	.2471221
#2	1.025365	3.589884	.4979166	.0736743	15.51268	.3046329	.2506474
#3	1.018936	3.457185	.4980455	.0727810	15.14625	.3069198	.2513157

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.88919**	**5.650485**	**.3240125**	**.4139876**	**.4607298**	**1.429743**	**.6969067**
Stddev	.22982	.005962	.0065473	.0016326	.0051498	.024755	.0018555
%RSD	1.543519	.1055046	2.020696	.3943466	1.117749	1.731407	.2662433
#1	14.93621	5.656249	.3173393	.4129690	.4657762	1.413421	.6947822
#2	15.09186	5.650861	.3304262	.4131232	.4554825	1.458226	.6977292
#3	14.63950	5.644344	.3242718	.4158706	.4609307	1.417582	.6982088

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2477-01A Acquired: 7/10/2025 23:02:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**.2143450**	**.1671221**	**.2440189**
Stddev	.0032166	.0063059	.0010652
%RSD	1.500684	3.773251	.4365246
#1	.2126624	.1740632	.2429313
#2	.2180540	.1655572	.2450602
#3	.2123187	.1617460	.2440654

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3595.053**	**35168.18**	**2346.636**	**2196.289**	**5181.340**
Stddev	18.427	160.09	26.362	8.925	25.074
%RSD	.5125585	.4552058	1.123402	.4063891	.4839314
#1	3604.349	35158.65	2364.678	2197.485	5192.992
#2	3606.980	35332.82	2316.382	2204.557	5198.467
#3	3573.829	35013.07	2358.848	2186.826	5152.560

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2473-07 Acquired: 7/10/2025 23:07:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.013186**	**.0146388**	**.0144932**	**-.031136**	**.0159443**	**-.010090**	**.0776287**
Stddev	.004149	.0023409	.0010760	.003730	.0023248	.021469	.0019817
%RSD	31.46450	15.99122	7.424133	11.98074	14.58082	212.7704	2.552836
#1	-.009337	.0172826	.0155724	-.027224	.0148685	-.028895	.0793869
#2	-.017581	.0138042	.0134204	-.031531	.0143522	.013302	.0754812
#3	-.012641	.0128295	.0144868	-.034653	.0186122	-.014677	.0780180

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000237**	**-.000030**	**166.4745**	**.0242802**	**.0226802**	**.0023990**	**.0132635**
Stddev	.000112	.000056	.4051	.0008541	.0004241	.0006839	.0031439
%RSD	47.14305	185.4838	.2433194	3.517723	1.869753	28.50872	23.70331
#1	-.000245	-.000018	166.6307	.0235602	.0230712	.0027927	.0163686
#2	-.000121	-.000092	166.0146	.0240566	.0227399	.0016093	.0133396
#3	-.000344	.000019	166.7782	.0252239	.0222294	.0027951	.0100822

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059148**	**3.684712**	**-.001974**	**.0005867**	**290.5889**	**-.001079**	**.0101000**
Stddev	.0022533	.041357	.000332	.0015552	3.2828	.013278	.0003125
%RSD	38.09608	1.122407	16.80583	265.0720	1.129701	1230.886	3.094387
#1	.0071675	3.690684	-.001592	-.000527	294.3784	.012844	.0104406
#2	.0072634	3.722760	-.002148	-.000076	288.6158	-.002479	.0098265
#3	.0033135	3.640694	-.002183	.002364	288.7724	-.013601	.0100330

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.811618**	**.0520173**	**.0469451**	**-.008920**	**10.03227**	**3.367388**	**-.002284**
Stddev	.053293	.0028632	.0006894	.000431	.02351	.032244	.000384
%RSD	1.107590	5.504354	1.468465	4.826809	.2343404	.9575268	16.80425
#1	4.872979	.0550247	.0463368	-.008801	10.03836	3.404507	-.002398
#2	4.776908	.0517029	.0476939	-.008562	10.00632	3.351343	-.002598
#3	4.784967	.0493242	.0468046	-.009398	10.05214	3.346315	-.001856

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2473-07 Acquired: 7/10/2025 23:07:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000380	-.051175	.5564196
Stddev	.000614	.003172	.0029033
%RSD	161.4596	6.199174	.5217775
#1	-.000825	-.053506	.5586602
#2	.000320	-.052457	.5531397
#3	-.000636	-.047562	.5574589

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3319.284	32207.12	2300.471	2030.179	4402.961
Stddev	3.362	160.73	13.582	9.544	7.241
%RSD	.1012969	.4990418	.5904170	.4701104	.1644647
#1	3321.380	32392.42	2284.867	2041.168	4399.566
#2	3315.405	32105.43	2309.639	2023.961	4398.041
#3	3321.066	32123.52	2306.907	2025.409	4411.276

Sample Name: Q2473-08 Acquired: 7/10/2025 23:11:52 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.014164**	**.0163602**	**.0163281**	**-.035285**	**.0142734**	**-.003471**
Stddev	.002533	.0048749	.0013372	.004238	.0018655	.023504
%RSD	17.87997	29.79697	8.189536	12.01080	13.06949	677.1259
#1	-.016941	.0182082	.0177367	-.031966	.0121246	-.022467
#2	-.013569	.0200409	.0161715	-.040058	.0154777	-.010761
#3	-.011982	.0108316	.0150761	-.033829	.0152179	.022814

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0659457**	**-.000066**	**.0000156**	**238.7504**	**.0247973**	**.0250673**
Stddev	.0008062	.000118	.0000384	.4019	.0011278	.0001580
%RSD	1.222557	179.3499	245.8298	.1683362	4.547961	.6302943
#1	.0653239	.000055	-.000022	238.5039	.0251598	.0249858
#2	.0668567	-.000072	.000014	239.2141	.0235329	.0252495
#3	.0656566	-.000180	.000055	238.5330	.0256993	.0249667

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0157305**	**.0086417**	**.0011186**	**2.000295**	**-.000481**	**-.000953**
Stddev	.0007082	.0013872	.0013860	.025231	.000632	.000409
%RSD	4.502341	16.05200	123.9078	1.261345	131.4915	42.96756
#1	.0157842	.0071312	.0023956	2.014842	-.000812	-.001067
#2	.0149969	.0089352	-.000355	2.014883	.000248	-.001292
#3	.0164103	.0098586	.001315	1.971162	-.000878	-.000498

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**421.5040**	**.0039204**	**.0032794**	**7.922197**	**.0544835**	**.0696961**
Stddev	4.9555	.0112361	.0006143	.041424	.0024602	.0014203
%RSD	1.175671	286.6049	18.73066	.5228820	4.515528	2.037864
#1	416.8648	.0132923	.0039181	7.902176	.0550000	.0680623
#2	420.9227	.0070047	.0032271	7.969828	.0518060	.0706366
#3	426.7245	-.008536	.0026929	7.894587	.0566444	.0703895

Sample Name: Q2473-08 Acquired: 7/10/2025 23:11:52 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009050	F 23.28251	2.330091	-.000601	-.005436	-.045056
Stddev	.000529	.03088	.003907	.000212	.003320	.010115
%RSD	5.843191	.1326410	.1676693	35.32670	61.08287	22.44948
#1	-.008743	23.25178	2.325640	-.000814	-.001978	-.039328
#2	-.008747	23.28222	2.331683	-.000601	-.005732	-.039104
#3	-.009661	23.31354	2.332951	-.000389	-.008599	-.056734

Elem	Sr4077
Units	ppm
Avg	.9487028
Stddev	.0024352
%RSD	.2566922
#1	.9461059
#2	.9490672
#3	.9509353

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3249.213	31141.18	2269.213	1970.599	4247.018
Stddev	9.908	67.65	10.718	2.307	12.025
%RSD	.3049281	.2172509	.4723024	.1170527	.2831364
#1	3251.660	31130.73	2280.930	1969.947	4248.447
#2	3257.668	31079.35	2259.905	1968.688	4258.265
#3	3238.311	31213.45	2266.803	1973.161	4234.342

Sample Name: PB168748BL Acquired: 7/10/2025 23:16:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000175**	**-.002565**	**-.001441**	**.0036841**	**-.000494**	**-.019369**
Stddev	.001647	.001610	.000305	.0044389	.001151	.007002
%RSD	940.5569	62.79210	21.18609	120.4865	233.1714	36.14980
#1	-.000744	-.000760	-.001581	.0084530	-.000749	-.024019
#2	.001681	-.003855	-.001652	-.000327	-.001496	-.022771
#3	-.001462	-.003079	-.001091	.002927	.000763	-.011316

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001703**	**.0001180**	**-.000072**	**.0200212**	**.0002460**	**-.000115**
Stddev	.001441	.0001057	.000109	.0349425	.0004960	.000284
%RSD	84.58808	89.55697	150.6448	174.5281	201.6335	245.8466
#1	-.002238	.0001972	-.000143	.0443192	.0003412	-.000212
#2	-.002799	-.000002	-.000127	-.020024	-.000291	.000204
#3	-.000071	.000159	.000053	.035768	.000688	-.000339

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000001**	**-.001483**	**.0016962**	**-.067861**	**-.000393**	**.0000908**
Stddev	.000618	.002147	.0027887	.064576	.000429	.0012111
%RSD	47469.19	144.7851	164.4036	95.15950	109.4054	1334.292
#1	-.000331	-.002980	.0000576	-.109634	-.000795	-.001188
#2	.000712	.000977	.0049161	-.100464	.000060	.000240
#3	-.000385	-.002445	.0001150	.006517	-.000443	.001220

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0677805**	**.0018004**	**-.001475**	**.0139480**	**.0001050**	**-.006560**
Stddev	.0105314	.0090208	.000040	.0010583	.0022941	.001264
%RSD	15.53757	501.0609	2.705644	7.587596	2184.570	19.26228
#1	.0746458	.0112135	-.001517	.0135031	-.000765	-.007683
#2	.0730404	-.006769	-.001471	.0151561	.002707	-.005192
#3	.0556552	.000956	-.001437	.0131847	-.001627	-.006804

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168748BL Acquired: 7/10/2025 23:16:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000382	F .0417936	-.003248	.0001272	-.000238	F .0349808
Stddev	.000261	.0010266	.002346	.0011595	.000899	.0107788
%RSD	68.41406	2.456401	72.23421	911.4080	377.8738	30.81352
#1	-.000448	.0415265	-.001618	.0005495	-.000367	.0472098
#2	-.000604	.0409269	-.002189	.0010164	-.001065	.0268610
#3	-.000094	.0429273	-.005937	-.001184	.000718	.0308716

Elem	Sr4077
Units	ppm
Avg	.0000098
Stddev	.0001456
%RSD	1491.920
#1	-.000006
#2	-.000127
#3	.000163

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3591.216	35081.00	2305.910	2178.539	5377.146
Stddev	2.139	278.02	23.691	4.959	1.486
%RSD	.0595704	.7925058	1.027395	.2276363	.0276311
#1	3589.694	35362.75	2331.694	2183.495	5378.378
#2	3590.293	35073.38	2285.103	2178.546	5375.496
#3	3593.662	34806.87	2300.933	2173.576	5377.565

Sample Name: PB168748BS Acquired: 7/10/2025 23:20:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7228196**	**2.048898**	**.9632245**	**2.019383**	**.8155193**	**1.998114**
Stddev	.0004326	.007637	.0016080	.004105	.0014739	.012891
%RSD	.0598434	.3727128	.1669387	.2032654	.1807333	.6451804
#1	.7225050	2.041419	.9616657	2.015848	.8160244	1.999403
#2	.7233129	2.048593	.9648775	2.018415	.8138592	2.010312
#3	.7226409	2.056683	.9631302	2.023884	.8166743	1.984626

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2072470**	**.2175887**	**.1924205**	**1.090707**	**.4143711**	**.1937588**
Stddev	.0033287	.0009288	.0004377	.017781	.0004627	.0000774
%RSD	1.606150	.4268683	.2274639	1.630244	.1116629	.0399485
#1	.2109416	.2179637	.1919151	1.079276	.4148559	.1936881
#2	.2044817	.2165311	.1926717	1.081653	.4143231	.1937467
#3	.2063177	.2182715	.1926747	1.111194	.4139342	.1938415

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3322445**	**3.477471**	**.2121985**	**2.106087**	**.4910415**	**.0745188**
Stddev	.0017043	.013264	.0029639	.064856	.0006355	.0012085
%RSD	.5129577	.3814162	1.396774	3.079462	.1294248	1.621735
#1	.3317439	3.476975	.2140609	2.037390	.4903077	.0759002
#2	.3308466	3.464463	.2137541	2.166260	.4914173	.0739995
#3	.3341430	3.490976	.2087807	2.114610	.4913995	.0736568

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.208269**	**.3104666**	**.2101344**	**9.885702**	**5.594213**	**.3102399**
Stddev	.013148	.0027874	.0013414	.106182	.008222	.0018939
%RSD	.4098190	.8978229	.6383300	1.074096	.1469752	.6104660
#1	3.193110	.3076274	.2103860	9.981583	5.585625	.3104341
#2	3.215130	.3105731	.2086851	9.903939	5.595001	.3082564
#3	3.216568	.3131992	.2113322	9.771582	5.602013	.3120292

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168748BS Acquired: 7/10/2025 23:20:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4083001	F .0270473	.9852024	.6939282	.2038752	.2033358
Stddev	.0009491	.0025830	.0057801	.0006991	.0041012	.0076771
%RSD	.2324518	9.549941	.5866890	.1007415	2.011645	3.775595
#1	.4073496	.0261465	.9837521	.6945181	.2070258	.1949363
#2	.4092478	.0299600	.9802855	.6931561	.1992380	.2050808
#3	.4083031	.0250353	.9915695	.6941105	.2053620	.2099902

Elem	Sr4077
Units	ppm
Avg	.2081102
Stddev	.0003442
%RSD	.1653800
#1	.2085047
#2	.2079542
#3	.2078716

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3608.783	35164.01	2365.959	2188.741	5225.996
Stddev	6.615	202.91	6.555	5.757	8.174
%RSD	.1832970	.5770325	.2770515	.2630217	.1564023
#1	3610.749	35083.89	2358.670	2185.528	5227.836
#2	3614.192	35013.40	2367.836	2185.308	5233.093
#3	3601.408	35394.75	2371.370	2195.387	5217.059

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV04 Acquired: 7/10/2025 23:29:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.603148**	**4.733792**	**4.687170**	**4.703273**	**4.644288**	**9.349575**	**9.566940**
Stddev	.008423	.010311	.003165	.007457	.012865	.057504	.054056
%RSD	.1829799	.2178233	.0675247	.1585545	.2770105	.6150422	.5650242
#1	4.609699	4.741293	4.686211	4.703807	4.642831	9.414908	9.542334
#2	4.593647	4.722033	4.684596	4.695563	4.632214	9.327170	9.529565
#3	4.606097	4.738048	4.690704	4.710449	4.657820	9.306645	9.628921

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2460968**	**2.349121**	**23.89650**	**.9572661**	**2.294446**	**1.216137**	**4.894744**
Stddev	.0030433	.004427	.05808	.0005391	.004947	.015503	.060765
%RSD	1.236616	.1884702	.2430446	.0563118	.2155999	1.274808	1.241441
#1	.2439599	2.350693	23.94870	.9578062	2.295941	1.207135	4.859898
#2	.2447492	2.344122	23.90685	.9572639	2.288925	1.207237	4.859424
#3	.2495812	2.352548	23.83394	.9567281	2.298474	1.234039	4.964909

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.397152**	**23.86268**	**2.307724**	**1.196872**	**25.55522**	**2.412229**	**2.342767**
Stddev	.014561	.15742	.004470	.003937	.21003	.018973	.016056
%RSD	.6074339	.6596882	.1936953	.3289655	.8218829	.7865544	.6853422
#1	2.399554	23.84063	2.310798	1.201408	25.40676	2.411223	2.357869
#2	2.381539	23.71745	2.302596	1.194336	25.46337	2.393779	2.325902
#3	2.410363	24.02997	2.309779	1.194872	25.79553	2.431686	2.344529

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.87553**	**4.714221**	**4.914800**	**4.684137**	**4.603224**	**4.910022**	**4.713470**
Stddev	.16887	.011452	.058880	.011949	.002791	.059081	.011904
%RSD	.6526201	.2429220	1.198015	.2550996	.0606336	1.203270	.2525535
#1	26.04148	4.710667	4.882591	4.686836	4.600687	4.873184	4.719441
#2	25.88121	4.704967	4.879052	4.671069	4.602771	4.878713	4.699762
#3	25.70389	4.727028	4.982758	4.694506	4.606214	4.978168	4.721207

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV04 Acquired: 7/10/2025 23:29:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.776780**	**4.762741**	**4.804461**
Stddev	.015686	.013932	.024837
%RSD	.3283780	.2925120	.5169480
#1	4.773280	4.766051	4.801126
#2	4.763139	4.747452	4.781460
#3	4.793920	4.774719	4.830796

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3535.463**	**34152.88**	**2325.366**	**2138.351**	**4761.824**
Stddev	14.470	338.62	14.656	22.201	17.522
%RSD	.4092916	.9914815	.6302581	1.038215	.3679687
#1	3534.420	33817.50	2323.576	2112.730	4762.794
#2	3550.426	34146.51	2340.835	2150.439	4778.841
#3	3521.542	34494.65	2311.688	2151.885	4743.837

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB04 Acquired: 7/10/2025 23:53:24 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009758**	**-.003273**	**-.000384**	**.0034175**	**-.000963**	**-.025265**	**-.000429**
Stddev	.0010913	.000881	.001813	.0030197	.001432	.025105	.000877
%RSD	111.8359	26.90533	471.5309	88.36117	148.8049	99.36919	204.4244
#1	.0022355	-.003911	.001665	.0020985	-.002166	-.053469	.000527
#2	.0003160	-.003640	-.001778	.0012817	-.001344	-.016965	-.001195
#3	.0003760	-.002268	-.001040	.0068723	.000622	-.005360	-.000619

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001609**	**-.000147**	**.0156786**	**-.000808**	**-.000144**	**-.000754**	**-.004703**
Stddev	.0000942	.000043	.0156604	.000561	.000232	.000433	.001030
%RSD	58.52786	29.57780	99.88338	69.34690	161.4508	57.33495	21.90142
#1	.0000537	-.000197	.0098329	-.000285	-.000390	-.000258	-.005425
#2	.0002301	-.000123	.0037820	-.000741	-.000110	-.000954	-.003524
#3	.0001989	-.000120	.0334210	-.001400	.000070	-.001051	-.005161

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000105**	**-.056177**	**-.000593**	**-.000362**	**-.005794**	**-.004920**	**-.001690**
Stddev	.001465	.037899	.000506	.001457	.005235	.006285	.000147
%RSD	1393.703	67.46487	85.30334	402.5615	90.34618	127.7270	8.669449
#1	.001115	-.099549	-.000085	-.001739	-.002203	-.011518	-.001558
#2	.000299	-.029443	-.000598	-.000511	-.003379	.000995	-.001664
#3	-.001730	-.039538	-.001097	.001164	-.011801	-.004238	-.001848

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047106**	**.0008925**	**-.005731**	**-.000432**	**.0191388**	**-.005860**	**-.000263**
Stddev	.0006830	.0014731	.000901	.000238	.0028877	.001954	.000031
%RSD	14.49886	165.0628	15.71612	55.18775	15.08820	33.33836	11.63801
#1	.0048808	-.000644	-.004749	-.000457	.0161692	-.007341	-.000275
#2	.0052924	.001030	-.005928	-.000182	.0219369	-.003646	-.000285
#3	.0039586	.002292	-.006518	-.000657	.0193102	-.006592	-.000228

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB04 Acquired: 7/10/2025 23:53:24 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0083971	-.015927	-.000067
Stddev	.0063063	.010895	.000055
%RSD	75.10083	68.40677	82.08169
#1	.0090530	-.021134	-.000102
#2	.0017885	-.023243	-.000004
#3	.0143498	-.003405	-.000096

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3650.676	35922.78	2367.642	2242.083	5471.450
Stddev	7.422	291.65	2.287	17.783	14.106
%RSD	.2033010	.8118700	.0965919	.7931687	.2578128
#1	3653.412	35697.32	2369.464	2224.970	5469.166
#2	3656.341	35818.86	2365.076	2240.809	5486.558
#3	3642.274	36252.15	2368.388	2260.469	5458.625

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01DLX5 Acquired: 7/10/2025 23:57:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026356**	**-.003951**	**.0011543**	**.0010962**	**-.000350**	**4.244139**
Stddev	.0043689	.000826	.0015701	.0050443	.002769	.052500
%RSD	165.7668	20.90671	136.0187	460.1542	790.5689	1.237007
#1	-.002275	-.003007	-.000228	.0037899	-.000450	4.247974
#2	.006092	-.004302	.002861	.0042217	-.003068	4.189826
#3	.004090	-.004544	.000830	-.004723	.002467	4.294617

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001879**	**.0000335**	**-.000064**	**2.455805**	**.0533617**	**.0013725**
Stddev	.000969	.0001171	.000073	.014460	.0004682	.0004266
%RSD	51.58504	349.3464	113.9495	.5888110	.8774678	31.08230
#1	-.002995	.0000978	.000008	2.449871	.0538652	.0016062
#2	-.001245	-.000102	-.000139	2.472288	.0532805	.0016312
#3	-.001398	.000104	-.000062	2.445257	.0529394	.0008801

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033622**	**.0673416**	**.0013592**	**.4509010**	**.0143115**	**.0000012**
Stddev	.0005772	.0011574	.0014315	.0447570	.0004543	.0019044
%RSD	17.16626	1.718666	105.3187	9.926134	3.174278	161023.6
#1	.0039092	.0661247	.0020448	.4108609	.0147786	.0015998
#2	.0027590	.0674717	.0023191	.4992192	.0142848	-.002106
#3	.0034185	.0684284	-.000286	.4426229	.0138712	.000510

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**426.9704**	**-.008373**	**.1175070**	**49.05277**	**1.308725**	**1.243223**
Stddev	4.1370	.009748	.0004599	.11768	.004112	.008737
%RSD	.9689125	116.4203	.3913862	.2399148	.3141956	.7027988
#1	431.7428	.000527	.1178642	49.06915	1.312239	1.252968
#2	424.7664	-.006856	.1176688	48.92775	1.304202	1.236088
#3	424.4021	-.018790	.1169881	49.16141	1.309733	1.240613

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01DLX5 Acquired: 7/10/2025 23:57:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033687	F 235.2633	.2090449	-.003981	.0059975	.0053403
Stddev	.0002778	.6152	.0032631	.000616	.0010601	.0094290
%RSD	8.246980	.2614945	1.560976	15.47651	17.67586	176.5634
#1	.0034969	235.5591	.2122806	-.004246	.0072181	-.004620
#2	.0035592	234.5561	.2090993	-.004421	.0053065	.006512
#3	.0030499	235.6748	.2057549	-.003277	.0054680	.014129

Elem	Sr4077
Units	ppm
Avg	.0101915
Stddev	.0001112
%RSD	1.090731
#1	.0103185
#2	.0101115
#3	.0101446

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3371.008	31969.46	2303.058	2046.959	4416.163
Stddev	5.143	105.00	16.203	4.867	6.112
%RSD	.1525720	.3284338	.7035550	.2377472	.1383912
#1	3370.622	32009.60	2285.179	2041.343	4420.785
#2	3376.334	32048.47	2316.773	2049.615	4418.472
#3	3366.069	31850.32	2307.221	2049.920	4409.234

Sample Name: Q2512-01DUPDLX5 Acquired: 7/11/2025 0:02:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003886**	**-.003439**	**-.000319**	**-.002857**	**.0009640**	**4.213325**
Stddev	.0033989	.000768	.003472	.004766	.0017372	.007061
%RSD	874.5379	22.31979	1089.200	166.8286	180.2081	.1675857
#1	.0011966	-.003957	.002632	-.004009	-.001019	4.205362
#2	-.003341	-.003803	-.004145	.002380	.002218	4.218824
#3	.003311	-.002557	.000557	-.006942	.001693	4.215789

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000416**	**.0000330**	**-.000065**	**2.479691**	**.0516525**	**.0013877**
Stddev	.001084	.0000179	.000119	.009383	.0007246	.0003396
%RSD	260.8612	54.30489	183.6326	.3784023	1.402777	24.47394
#1	.000130	.0000515	-.000160	2.471037	.0511723	.0011088
#2	.000288	.0000158	-.000104	2.478371	.0524859	.0017659
#3	-.001664	.0000316	.000069	2.489664	.0512992	.0012883

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032235**	**.0666214**	**.0023740**	**.4944471**	**.0131847**	**-.000567**
Stddev	.0003973	.0018478	.0021996	.0845689	.0002540	.002071
%RSD	12.32412	2.773636	92.65344	17.10373	1.926067	365.2037
#1	.0032722	.0686221	-.000080	.4002941	.0129639	-.002189
#2	.0028042	.0649789	.003036	.5639580	.0134622	-.001279
#3	.0035943	.0662633	.004167	.5190892	.0131279	.001766

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**429.2156**	**.0044019**	**.1174796**	**49.07857**	**1.302652**	**1.244725**
Stddev	1.7593	.0064002	.0005695	.25032	.002357	.000744
%RSD	.4098937	145.3956	.4847589	.5100472	.1809023	.0597795
#1	428.4239	.0104978	.1174466	49.03142	1.303576	1.244176
#2	431.2317	.0049724	.1169273	49.34911	1.299974	1.244427
#3	427.9913	-.002264	.1180649	48.85517	1.304407	1.245572

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01DUPDLX5 Acquired: 7/11/2025 0:02:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034979	F 234.1850	.2076285	-.003501	.0040128	.0205062
Stddev	.0004161	.9093	.0009339	.001190	.0016196	.0055676
%RSD	11.89664	.3882630	.4497732	33.98499	40.36028	27.15074
#1	.0034448	235.1838	.2086988	-.004829	.0040867	.0141267
#2	.0031109	233.4054	.2069793	-.003140	.0023575	.0243851
#3	.0039381	233.9658	.2072075	-.002533	.0055941	.0230067

Elem	Sr4077
Units	ppm
Avg	.0101081
Stddev	.0001188
%RSD	1.175078
#1	.0100641
#2	.0100176
#3	.0102426

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3372.857	32029.75	2306.196	2040.258	4420.000
Stddev	9.414	194.11	3.654	11.815	8.729
%RSD	.2791111	.6060173	.1584346	.5791017	.1974822
#1	3383.692	31996.13	2305.767	2031.686	4428.450
#2	3368.201	32238.47	2310.046	2053.735	4411.017
#3	3366.679	31854.65	2302.776	2035.351	4420.534

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01LDLX25 Acquired: 7/11/2025 0:07:13 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013433**	**-.002189**	**-.001618**	**.0019282**	**-.001247**	**.8645289**
Stddev	.0012347	.000576	.002258	.0023660	.002459	.0211517
%RSD	91.91795	26.31327	139.5331	122.7077	197.2586	2.446618
#1	.0005710	-.002601	-.003833	.0046601	.000446	.8403331
#2	.0027673	-.001531	.000681	.0005856	-.004067	.8737433
#3	.0006916	-.002436	-.001703	.0005388	-.000118	.8795105

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001343**	**.0001299**	**-.000088**	**.5183228**	**.0111123**	**.0003648**
Stddev	.001976	.0001306	.000080	.0052834	.0012178	.0003025
%RSD	147.0995	100.5504	91.10110	1.019331	10.95948	82.91974
#1	-.003577	-.000012	-.000140	.5144700	.0121868	.0000157
#2	-.000628	.000156	.000004	.5243457	.0113607	.0005303
#3	.000176	.000246	-.000129	.5161527	.0097894	.0005484

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000534**	**.0132628**	**.0005106**	**.0876386**	**.0032196**	**-.001145**
Stddev	.000724	.0023669	.0001865	.1324763	.0006928	.001218
%RSD	135.6456	17.84592	36.52134	151.1619	21.51684	106.3170
#1	.000281	.0158071	.0003545	.0758568	.0039760	.000053
#2	-.001103	.0128550	.0007171	.2256124	.0026159	-.001107
#3	-.000779	.0111264	.0004603	-.038553	.0030671	-.002382

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.0326**	**.0033643**	**.0235559**	**9.809974**	**.2535450**	**.2749159**
Stddev	1.7314	.0011324	.0006522	.107569	.0029501	.0020162
%RSD	1.696880	33.65836	2.768868	1.096524	1.163556	.7333999
#1	103.9613	.0022345	.0239299	9.770238	.2569511	.2771982
#2	101.5239	.0033593	.0239350	9.931758	.2518892	.2741728
#3	100.6125	.0044992	.0228028	9.727927	.2517948	.2733767

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01LDLX25 Acquired: 7/11/2025 0:07:13 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007254	F 45.92309	.0454727	-.007528	.0021748	-.009320
Stddev	.0002148	.32097	.0021376	.000643	.0042620	.005837
%RSD	29.60696	.6989393	4.700834	8.546537	195.9741	62.63458
#1	.0009005	46.13395	.0474883	-.006808	.0055828	-.015765
#2	.0007899	46.08163	.0432311	-.007732	-.002604	-.004390
#3	.0004857	45.55370	.0456989	-.008045	.003545	-.007804

Elem	Sr4077
Units	ppm
Avg	.0019170
Stddev	.0000787
%RSD	4.107701
#1	.0018787
#2	.0020076
#3	.0018647

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3475.566	33890.83	2286.719	2134.430	4837.267
Stddev	18.165	31.37	15.299	10.690	24.121
%RSD	.5226347	.0925678	.6690394	.5008382	.4986454
#1	3485.162	33900.07	2270.452	2141.858	4849.725
#2	3454.616	33855.88	2288.888	2122.178	4809.465
#3	3486.920	33916.55	2300.818	2139.254	4852.613

Sample Name: Q2512-01MSDLX5 Acquired: 7/11/2025 0:11:48 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1629337**	**.3802020**	**.1943189**	**.3849762**	**.1570618**	**4.715251**
Stddev	.0014509	.0021307	.0006041	.0057574	.0027482	.003649
%RSD	.8904638	.5604074	.3109036	1.495522	1.749738	.0773954
#1	.1644170	.3798851	.1948074	.3903067	.1595054	4.719466
#2	.1628664	.3824734	.1936434	.3788705	.1540867	4.713144
#3	.1615176	.3782475	.1945060	.3857515	.1575931	4.713145

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0378860**	**.0402916**	**.0410608**	**2.720901**	**.1326421**	**.0411523**
Stddev	.0003473	.0002989	.0001296	.038024	.0002760	.0004372
%RSD	.9166073	.7418905	.3156863	1.397485	.2081052	1.062407
#1	.0382740	.0404997	.0411639	2.764635	.1324926	.0414682
#2	.0377799	.0404260	.0411033	2.702402	.1329606	.0413354
#3	.0376042	.0399491	.0409153	2.695666	.1324731	.0406533

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0610253**	**.6937651**	**.0467057**	**.8632032**	**.1145636**	**.0136528**
Stddev	.0002467	.0042628	.0013762	.1317984	.0010231	.0007050
%RSD	.4041967	.6144407	2.946558	15.26852	.8930413	5.163479
#1	.0608301	.6986816	.0482313	.9473438	.1138430	.0144366
#2	.0613025	.6915130	.0463278	.7113100	.1157347	.0130707
#3	.0609434	.6911008	.0455579	.9309559	.1141133	.0134510

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**443.0127**	**.0648939**	**.1602846**	**51.67262**	**2.579704**	**1.326469**
Stddev	6.8442	.0081802	.0006684	.84467	.002730	.006274
%RSD	1.544929	12.60549	.4169967	1.634659	.1058221	.4730122
#1	449.3163	.0742961	.1602695	52.44746	2.581863	1.329986
#2	443.9892	.0609765	.1596238	51.79820	2.580613	1.330197
#3	435.7327	.0594091	.1609604	50.77218	2.576635	1.319225

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01MSDLX5 Acquired: 7/11/2025 0:11:48 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0831288	F 237.9526	.3863841	.1395709	.0436892	.0477268
Stddev	.0005435	.2228	.0031916	.0012246	.0017767	.0045812
%RSD	.6537588	.0936369	.8260268	.8774163	4.066561	9.598708
#1	.0837308	238.1926	.3890886	.1385372	.0421342	.0479697
#2	.0829810	237.9127	.3828637	.1409234	.0456256	.0430291
#3	.0826745	237.7524	.3872000	.1392520	.0433078	.0521817

Elem	Sr4077
Units	ppm
Avg	.0492014
Stddev	.0003320
%RSD	.6747130
#1	.0495479
#2	.0488862
#3	.0491701

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3332.020	31783.24	2280.373	2043.009	4358.903
Stddev	7.072	137.80	8.441	6.556	12.861
%RSD	.2122552	.4335585	.3701647	.3208796	.2950566
#1	3335.297	31793.02	2272.388	2037.430	4362.253
#2	3323.903	31915.89	2279.524	2050.229	4344.699
#3	3336.858	31640.81	2289.206	2041.368	4369.758

Sample Name: Q2512-01MSDDLX5 Acquired: 7/11/2025 0:16:24 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1536258**	**.3708537**	**.1892423**	**.3762020**	**.1537861**	**4.657177**
Stddev	.0041334	.0035359	.0011400	.0054715	.0011083	.045377
%RSD	2.690577	.9534625	.6023766	1.454393	.7206517	.9743489
#1	.1583811	.3733144	.1897251	.3818352	.1550652	4.706847
#2	.1508933	.3724449	.1879404	.3758626	.1531827	4.617895
#3	.1516031	.3668017	.1900615	.3709081	.1531105	4.646789

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0373821**	**.0397691**	**.0399702**	**2.710535**	**.1306857**	**.0402920**
Stddev	.0016775	.0007968	.0001905	.035687	.0013206	.0002065
%RSD	4.487527	2.003485	.4766131	1.316614	1.010503	.5125635
#1	.0376624	.0403696	.0401894	2.713210	.1320423	.0404826
#2	.0389018	.0400726	.0398769	2.744810	.1306107	.0403208
#3	.0355820	.0388652	.0398443	2.673586	.1294043	.0400726

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0612952**	**.6850276**	**.0474938**	**.8610423**	**.1115617**	**.0134632**
Stddev	.0011644	.0119328	.0031770	.0881419	.0014030	.0002192
%RSD	1.899631	1.741949	6.689318	10.23665	1.257637	1.627905
#1	.0626388	.6935713	.0456044	.9102875	.1131104	.0135398
#2	.0606673	.6901178	.0457152	.9135571	.1111990	.0132160
#3	.0605796	.6713938	.0511617	.7592824	.1103755	.0136338

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**433.8057**	**.0615344**	**.1590095**	**52.40340**	**2.527676**	**1.319542**
Stddev	9.2779	.0129121	.0008279	2.54993	.004559	.024414
%RSD	2.138714	20.98354	.5206452	4.865953	.1803771	1.850208
#1	441.2085	.0523962	.1596140	54.82540	2.531872	1.343452
#2	436.8109	.0559010	.1580659	52.64242	2.528331	1.320520
#3	423.3978	.0763060	.1593486	49.74238	2.522825	1.294653

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01MSDDLX5 Acquired: 7/11/2025 0:16:24 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0814342	F 232.6070	.3845298	.1370858	.0425337	.0464043
Stddev	.0010862	1.1814	.0076538	.0025985	.0048451	.0054050
%RSD	1.333864	.5078980	1.990422	1.895518	11.39118	11.64757
#1	.0822937	233.7243	.3927013	.1379593	.0463215	.0493291
#2	.0817956	232.7261	.3833596	.1391350	.0442055	.0401672
#3	.0802134	231.3705	.3775286	.1341631	.0370741	.0497166

Elem	Sr4077
Units	ppm
Avg	.0493581
Stddev	.0002545
%RSD	.5157063
#1	.0495940
#2	.0493919
#3	.0490883

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3395.930	32365.54	2310.588	2083.927	4447.160
Stddev	3.294	66.44	35.731	8.423	8.908
%RSD	.0969889	.2052751	1.546396	.4041752	.2003090
#1	3392.918	32440.89	2285.946	2090.841	4440.125
#2	3399.447	32315.39	2294.251	2086.393	4457.176
#3	3395.425	32340.33	2351.567	2074.546	4444.179

Sample Name: Q2512-01ADLX5 Acquired: 7/11/2025 0:20:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1628263**	**.3815115**	**.1953398**	**.3950901**	**.1600205**	**4.764455**
Stddev	.0032104	.0019632	.0026626	.0044923	.0034342	.021714
%RSD	1.971656	.5145887	1.363046	1.137029	2.146120	.4557532
#1	.1641692	.3792483	.1983608	.3972894	.1622918	4.788992
#2	.1651471	.3827558	.1943241	.3980590	.1560697	4.747720
#3	.1591625	.3825304	.1933347	.3899219	.1616999	4.756653

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0382502**	**.0404887**	**.0414398**	**2.748810**	**.1328731**	**.0414274**
Stddev	.0005842	.0001175	.0001744	.033920	.0010270	.0001164
%RSD	1.527255	.2900759	.4208257	1.233981	.7729133	.2808952
#1	.0389195	.0405945	.0415474	2.727500	.1323530	.0414249
#2	.0379878	.0405094	.0412386	2.787925	.1340561	.0413124
#3	.0378432	.0403623	.0415334	2.731006	.1322102	.0415451

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0624019**	**.7496181**	**.1070148**	**.8461678**	**.1156243**	**.0127872**
Stddev	.0014053	.0037340	.0011305	.0338852	.0002367	.0008084
%RSD	2.252020	.4981136	1.056445	4.004545	.2047045	6.321644
#1	.0607883	.7487626	.1077424	.8223031	.1158003	.0137206
#2	.0633577	.7537055	.1075897	.8849527	.1157174	.0123167
#3	.0630596	.7463861	.1057124	.8312476	.1153553	.0123243

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**447.9382**	**.0663349**	**.1618859**	**53.00671**	**2.624623**	**1.350804**
Stddev	3.9330	.0036760	.0020910	.78877	.004883	.000683
%RSD	.8780126	5.541522	1.291662	1.488064	.1860542	.0505560
#1	452.4166	.0687965	.1636715	53.91715	2.628931	1.350015
#2	445.0465	.0621094	.1595855	52.57358	2.619319	1.351205
#3	446.3513	.0680988	.1624006	52.52941	2.625620	1.351191

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2512-01ADLX5 Acquired: 7/11/2025 0:20:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0840576	F 243.1011	.3909014	.1418395	.0426078	.0464950
Stddev	.0000412	.6160	.0024343	.0020776	.0012517	.0065428
%RSD	.0490120	.2533840	.6227490	1.464770	2.937686	14.07195
#1	.0840119	243.8106	.3880995	.1411780	.0413089	.0523632
#2	.0840689	242.7893	.3924979	.1441673	.0427082	.0394402
#3	.0840920	242.7033	.3921067	.1401731	.0438062	.0476817

Elem	Sr4077
Units	ppm
Avg	.0500770
Stddev	.0001250
%RSD	.2496522
#1	.0501885
#2	.0501007
#3	.0499419

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3327.184	31778.19	2288.744	2043.375	4347.899
Stddev	15.427	68.62	2.534	19.214	19.539
%RSD	.4636638	.2159432	.1107227	.9403253	.4493902
#1	3344.997	31736.95	2290.042	2025.219	4369.472
#2	3318.403	31857.41	2285.824	2063.497	4342.830
#3	3318.153	31740.22	2290.367	2041.408	4331.393

Sample Name: PB168712BL Acquired: 7/11/2025 0:25:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012122**	**-.001656**	**.0007869**	**-.001787**	**-.000220**	**-.049604**
Stddev	.0037449	.000606	.0015680	.001391	.002524	.039905
%RSD	308.9404	36.58666	199.2745	77.83173	1146.253	80.44718
#1	-.002711	-.002206	-.000330	-.002491	.002597	-.004559
#2	.001599	-.001006	.000111	-.000185	-.000985	-.063721
#3	.004749	-.001756	.002579	-.002685	-.002273	-.080531

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001939**	**.0002185**	**-.000075**	**.0063606**	**-.000365**	**-.000055**
Stddev	.000474	.0000440	.000077	.0195330	.000307	.000060
%RSD	24.43460	20.13563	103.3312	307.0960	84.05899	108.9684
#1	-.001821	.0002408	-.000160	-.002810	-.000043	-.000080
#2	-.001535	.0001678	-.000053	-.006900	-.000653	-.000099
#3	-.002460	.0002469	-.000010	.028791	-.000399	.000013

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000488**	**-.003078**	**.0009260**	**-.044587**	**.0000443**	**.0002671**
Stddev	.000160	.001930	.0022199	.020158	.0010464	.0014403
%RSD	32.83304	62.70543	239.7375	45.21133	2363.918	539.2963
#1	-.000479	-.001374	.0017101	-.066121	.0001376	-.001248
#2	-.000332	-.005173	.0026474	-.041472	.0010409	.000431
#3	-.000652	-.002686	-.001580	-.026167	-.001046	.001618

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0461557**	**.0024836**	**-.001267**	**.0126985**	**.0012205**	**.0011292**
Stddev	.0034255	.0019569	.000683	.0014023	.0017002	.0015711
%RSD	7.421722	78.79374	53.93602	11.04302	139.3085	139.1296
#1	.0424852	.0031138	-.000564	.0142090	.0025447	-.000162
#2	.0492677	.0002893	-.001308	.0124484	.0018135	.000671
#3	.0467141	.0040479	-.001929	.0114380	-.000697	.002878

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168712BL Acquired: 7/11/2025 0:25:33 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002648	F .0230871	-.004804	-.000312	.0020836	F -.023900
Stddev	.0003378	.0034084	.002808	.000725	.0035235	.011182
%RSD	127.5696	14.76325	58.44317	232.2960	169.1014	46.78615
#1	.0003508	.0267642	-.004630	.000284	-.001915	-.016144
#2	-.000108	.0200335	-.002087	-.001120	.003432	-.018839
#3	.000551	.0224636	-.007694	-.000101	.004734	-.036718

Elem	Sr4077
Units	ppm
Avg	-.000125
Stddev	.000273
%RSD	218.5870
#1	.000037
#2	-.000440
#3	.000028

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3649.798	34980.17	2275.172	2185.385	5459.541
Stddev	42.521	75.74	8.793	7.734	66.939
%RSD	1.165025	.2165177	.3864971	.3538980	1.226092
#1	3609.477	35067.59	2280.182	2192.743	5397.479
#2	3645.694	34934.53	2265.018	2186.089	5450.671
#3	3694.222	34938.37	2280.315	2177.323	5530.472

Sample Name: PB168712BS Acquired: 7/11/2025 0:30:00 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7070469**	**1.983675**	**.9351547**	**1.951521**	**.7918988**	**1.954542**
Stddev	.0023780	.001502	.0028057	.004575	.0036180	.009347
%RSD	.3363231	.0757009	.3000239	.2344421	.4568830	.4782183
#1	.7073287	1.985052	.9375060	1.947932	.7903486	1.965150
#2	.7045406	1.982074	.9320489	1.949957	.7893141	1.947513
#3	.7092714	1.983898	.9359092	1.956673	.7960336	1.950964

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2002269**	**.2135759**	**.1868905**	**.9992439**	**.4022819**	**.1889164**
Stddev	.0009091	.0008243	.0002750	.0156468	.0003115	.0003599
%RSD	.4540272	.3859617	.1471464	1.565865	.0774257	.1904974
#1	.2012760	.2131353	.1871585	1.017258	.4021014	.1885048
#2	.1996724	.2145269	.1866090	.989036	.4026415	.1890725
#3	.1997322	.2130654	.1869041	.991437	.4021027	.1891718

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3268530**	**3.409433**	**.2068503**	**1.990770**	**.4771283**	**.0704077**
Stddev	.0015853	.015105	.0013855	.030567	.0004848	.0010470
%RSD	.4850156	.4430320	.6698103	1.535433	.1016058	1.487005
#1	.3270540	3.402725	.2054385	1.956505	.4770102	.0711538
#2	.3283282	3.426730	.2082079	2.015234	.4776612	.0708585
#3	.3251768	3.398844	.2069044	2.000572	.4767134	.0692109

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.203502**	**.3037138**	**.2014618**	**9.850120**	**5.434594**	**.3078517**
Stddev	.034977	.0053710	.0003847	.061220	.009598	.0013131
%RSD	1.091850	1.768452	.1909353	.6215184	.1766098	.4265357
#1	3.205942	.2994512	.2018202	9.920736	5.442298	.3092203
#2	3.237195	.3019438	.2010554	9.817635	5.423842	.3077326
#3	3.167368	.3097465	.2015098	9.811989	5.437642	.3066022

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168712BS Acquired: 7/11/2025 0:30:00 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3927140	F .0141300	.9697848	.6701876	.1970233	.1867473
Stddev	.0002269	.0006036	.0048918	.0008713	.0065480	.0056329
%RSD	.0577737	4.271495	.5044206	.1300063	3.323471	3.016310
#1	.3928429	.0146187	.9700251	.6708886	.1902372	.1914498
#2	.3928472	.0143158	.9745520	.6692121	.2033039	.1805045
#3	.3924521	.0134553	.9647773	.6704620	.1975289	.1882874

Elem	Sr4077
Units	ppm
Avg	.2018674
Stddev	.0011157
%RSD	.5526730
#1	.2021578
#2	.2028091
#3	.2006352

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3639.628	35493.86	2354.922	2222.443	5259.201
Stddev	3.590	97.12	7.797	14.072	11.764
%RSD	.0986240	.2736251	.3310888	.6331634	.2236837
#1	3643.473	35398.84	2348.206	2218.288	5268.123
#2	3636.364	35592.95	2353.088	2238.124	5245.869
#3	3639.049	35489.78	2363.473	2210.916	5263.611

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168740BL Acquired: 7/11/2025 0:34:21 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026007**	**-.003008**	**-.000839**	**.0007190**	**.0001058**	**-.019315**	**-.001035**
Stddev	.0016080	.001575	.001827	.0032202	.0020603	.021551	.001817
%RSD	61.82729	52.35508	217.6495	447.8792	1947.205	111.5762	175.6431
#1	.0008235	-.002581	-.002844	-.000962	-.001315	-.044198	-.001557
#2	.0030238	-.001691	-.000405	-.001313	-.000836	-.006534	-.002533
#3	.0039549	-.004752	.000731	.004432	.002469	-.007214	.000987

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000538**	**-.000075**	**.0075410**	**-.000487**	**-.000116**	**-.000878**	**-.007050**
Stddev	.0001446	.000080	.0193689	.000711	.000235	.001087	.001702
%RSD	268.7871	106.1716	256.8474	145.8149	202.7602	123.8317	24.14792
#1	-.000111	-.000162	.0235306	-.001219	-.000367	-.001080	-.005151
#2	.000114	-.000006	-.013996	-.000443	.000101	-.001849	-.007559
#3	.000159	-.000058	.013089	.000200	-.000082	.000296	-.008439

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010065**	**-.011028**	**-.000015**	**-.000233**	**-.000957**	**.0025202**	**-.001584**
Stddev	.0016360	.030407	.000559	.001118	.014548	.0052331	.000333
%RSD	162.5441	275.7260	3843.905	480.3931	1520.574	207.6432	21.00828
#1	.0027534	.005293	-.000084	.000922	-.017358	-.001592	-.001201
#2	.0007558	.007733	-.000535	-.001311	.010390	.000742	-.001741
#3	-.000490	-.046111	.000576	-.000309	.004098	.008411	-.001808

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098477**	**-.000973**	**-.005020**	**-.000236**	**.0104289**	**-.005548**	**-.000606**
Stddev	.0017885	.001376	.003029	.000475	.0018161	.000469	.000974
%RSD	18.16156	141.5090	60.34541	200.8292	17.41398	8.452137	160.8348
#1	.0092349	.000222	-.003880	-.000784	.0088783	-.005098	-.001312
#2	.0118621	-.002478	-.002726	.000017	.0099815	-.006034	-.001010
#3	.0084462	-.000662	-.008453	.000058	.0124268	-.005510	.000506

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168740BL Acquired: 7/11/2025 0:34:21 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0035115	F -.037432	.0000367
Stddev	.0006651	.003824	.0001323
%RSD	18.94031	10.21645	360.9227
#1	.0039567	-.036256	.0000901
#2	.0027470	-.034333	.0001339
#3	.0038308	-.041706	-.000114

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3627.577	35347.38	2350.559	2205.565	5423.536
Stddev	9.514	347.94	13.687	18.970	13.298
%RSD	.2622798	.9843481	.5822691	.8600877	.2451880
#1	3616.779	35280.00	2337.197	2201.687	5410.566
#2	3631.222	35724.08	2364.548	2226.174	5422.902
#3	3634.730	35038.05	2349.930	2188.834	5437.139

Sample Name: PB168740BS Acquired: 7/11/2025 0:38:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7115611**	**1.997710**	**.9416052**	**1.969460**	**.8007842**	**1.978252**
Stddev	.0026119	.002647	.0013562	.016083	.0023339	.004941
%RSD	.3670645	.1324976	.1440354	.8166043	.2914561	.2497588
#1	.7137918	2.000268	.9431689	1.974243	.7980892	1.982954
#2	.7086879	1.994982	.9407501	1.951529	.8021268	1.978701
#3	.7122036	1.997879	.9408964	1.982609	.8021366	1.973103

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1997910**	**.2134827**	**.1881960**	**1.022902**	**.4055946**	**.1906292**
Stddev	.0007945	.0009944	.0002098	.013577	.0007291	.0004923
%RSD	.3976812	.4658156	.1114711	1.327323	.1797642	.2582406
#1	.2005694	.2137450	.1879592	1.013774	.4058823	.1900762
#2	.1998223	.2143198	.1883585	1.038505	.4047655	.1907914
#3	.1989813	.2123835	.1882705	1.016428	.4061359	.1910198

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3260735**	**3.405213**	**.2074489**	**2.025140**	**.4808008**	**.0711346**
Stddev	.0014578	.022466	.0021079	.020821	.0007448	.0012170
%RSD	.4470667	.6597525	1.016086	1.028107	.1549023	1.710821
#1	.3255669	3.414857	.2056092	2.004842	.4806362	.0724314
#2	.3277170	3.421246	.2097489	2.024132	.4801520	.0700174
#3	.3249366	3.379535	.2069887	2.046446	.4816141	.0709549

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.148254**	**.2962877**	**.2051152**	**9.546350**	**5.467693**	**.3060299**
Stddev	.028111	.0053394	.0015757	.071011	.009069	.0050434
%RSD	.8928941	1.802095	.7682127	.7438514	.1658735	1.648026
#1	3.150726	.2994013	.2033409	9.578980	5.457310	.3057641
#2	3.175048	.2993394	.2056534	9.595181	5.474065	.3112010
#3	3.118990	.2901224	.2063513	9.464889	5.471704	.3011246

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168740BS Acquired: 7/11/2025 0:38:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3974413	F .0089503	.9748022	.6780065	.1940834	.1836644
Stddev	.0007885	.0014428	.0054797	.0002574	.0066378	.0048265
%RSD	.1984035	16.12051	.5621372	.0379702	3.420103	2.627897
#1	.3969716	.0077078	.9764367	.6782050	.2014735	.1879988
#2	.3970007	.0086103	.9792787	.6780990	.1886274	.1784632
#3	.3983517	.0105327	.9686912	.6777156	.1921493	.1845313

Elem	Sr4077
Units	ppm
Avg	.2017553
Stddev	.0003289
%RSD	.1630058
#1	.2021350
#2	.2015724
#3	.2015585

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3605.668	35258.70	2356.605	2198.864	5202.503
Stddev	7.442	113.95	14.761	9.575	7.994
%RSD	.2063944	.3231882	.6263765	.4354670	.1536516
#1	3610.591	35388.70	2358.997	2208.342	5211.162
#2	3609.307	35176.08	2340.794	2189.194	5200.943
#3	3597.107	35211.32	2370.024	2199.057	5195.404

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV05 Acquired: 7/11/2025 0:47:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.747951**	**4.838501**	**4.819939**	**4.792752**	**4.767773**	**9.514579**	**9.796423**
Stddev	.019434	.006785	.009101	.013042	.006317	.035799	.081480
%RSD	.4093104	.1402263	.1888148	.2721115	.1325005	.3762518	.8317327
#1	4.727072	4.833819	4.820144	4.777727	4.762296	9.551957	9.868554
#2	4.751270	4.835402	4.810738	4.801145	4.766340	9.511177	9.812671
#3	4.765512	4.846282	4.828936	4.799384	4.774684	9.480602	9.708043

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2499509**	**2.409894**	**24.15007**	**.9776715**	**2.367902**	**1.244208**	**4.953519**
Stddev	.0007931	.006219	.07547	.0036965	.001707	.003846	.019034
%RSD	.3173152	.2580693	.3125002	.3780942	.0720941	.3090863	.3842534
#1	.2493528	2.403199	24.23455	.9816012	2.367116	1.239853	4.937269
#2	.2508506	2.410992	24.12634	.9742636	2.366729	1.247137	4.974460
#3	.2496493	2.415492	24.08931	.9771498	2.369861	1.245634	4.948827

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.458639**	**24.12186**	**2.367456**	**1.217343**	**26.59638**	**2.469745**	**2.425696**
Stddev	.010924	.25154	.004502	.003221	.25577	.025568	.010257
%RSD	.4443020	1.042779	.1901489	.2646157	.9616615	1.035262	.4228471
#1	2.468019	24.39893	2.363964	1.213817	26.82962	2.486822	2.435065
#2	2.461252	24.05880	2.365867	1.218081	26.63665	2.482064	2.427286
#3	2.446645	23.90786	2.372536	1.220131	26.32286	2.440349	2.414737

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.08848**	**4.830304**	**5.043026**	**4.793342**	**4.725891**	**5.023005**	**4.837359**
Stddev	.33607	.015944	.017234	.005586	.012604	.018780	.014705
%RSD	1.240639	.3300906	.3417488	.1165332	.2666980	.3738885	.3039900
#1	27.33095	4.812006	5.033975	4.790559	4.713441	5.016486	4.822859
#2	27.22963	4.837692	5.062900	4.789694	4.725588	5.044177	4.836958
#3	26.70485	4.841215	5.032201	4.799772	4.738643	5.008353	4.852261

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV05 Acquired: 7/11/2025 0:47:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.859208**	**4.803411**	**4.903994**
Stddev	.032776	.029898	.033525
%RSD	.6745060	.6224373	.6836354
#1	4.889971	4.837620	4.933165
#2	4.862917	4.782278	4.911447
#3	4.824735	4.790336	4.867369

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3473.270**	**33497.53**	**2278.172**	**2092.843**	**4661.398**
Stddev	3.307	211.91	10.388	16.013	7.659
%RSD	.0952138	.6326007	.4559742	.7651089	.1643166
#1	3469.814	33254.37	2268.709	2074.860	4655.337
#2	3473.592	33595.51	2276.521	2098.111	4658.851
#3	3476.405	33642.72	2289.287	2105.558	4670.007

Sample Name: CCB05 Acquired: 7/11/2025 0:51:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006877**	**-.001213**	**.0006762**	**.0013592**	**.0008174**	**-.036089**
Stddev	.0013093	.000467	.0036987	.0032368	.0027482	.018255
%RSD	190.3741	38.49459	546.9925	238.1459	336.2042	50.58440
#1	.0008639	-.001586	.0040182	-.002368	-.001536	-.021277
#2	.0019000	-.000689	-.003298	.003467	.003838	-.056484
#3	-.000701	-.001364	.001308	.002978	.000151	-.030505

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001980**	**.0000885**	**-.000077**	**-.006926**	**.0004626**	**-.000019**
Stddev	.000782	.0001516	.000080	.005373	.0005417	.000133
%RSD	39.47438	171.2800	103.9148	77.56909	117.0821	686.2608
#1	-.002869	-.000009	-.000165	-.011619	.0008921	.000069
#2	-.001670	.000263	-.000006	-.008094	.0006417	-.000172
#3	-.001401	.000012	-.000061	-.001066	-.000146	.000045

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000408**	**-.005620**	**.0007305**	**.0165048**	**-.000172**	**-.000811**
Stddev	.000956	.001668	.0026141	.0294437	.000737	.000579
%RSD	234.3445	29.68816	357.8448	178.3942	428.4448	71.40144
#1	-.001419	-.006839	.0002054	.0025540	.000550	-.001301
#2	.000482	-.006302	.0035673	.0503309	-.000143	-.000961
#3	-.000287	-.003719	-.001581	-.003370	-.000923	-.000172

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.025943**	**.0019769**	**-.001582**	**.0049200**	**-.001004**	F **.0146706**
Stddev	.015876	.0052048	.000535	.0007508	.002624	.0004993
%RSD	61.19769	263.2736	33.81216	15.26051	261.4367	3.403311
#1	-.035194	-.001589	-.002019	.0040925	.000074	.0142309
#2	-.007611	-.000430	-.000986	.0051099	-.003996	.0152134
#3	-.035023	.007950	-.001741	.0055577	.000910	.0145676

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB05 Acquired: 7/11/2025 0:51:43 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000444	.0055891	-.004135	-.000002	.0002804	F -.036727
Stddev	.000237	.0003956	.001283	.001383	.0023331	.011822
%RSD	53.41175	7.078167	31.03799	78506.01	832.1202	32.18738
#1	-.000170	.0059264	-.004861	-.001220	-.002201	-.027253
#2	-.000579	.0051537	-.004891	.001501	.000613	-.032953
#3	-.000582	.0056873	-.002653	-.000287	.002429	-.049975

Elem	Sr4077
Units	ppm
Avg	-.000175
Stddev	.000204
%RSD	116.1106
#1	.000039
#2	-.000366
#3	-.000200

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3623.656	35144.78	2326.900	2187.563	5409.559
Stddev	8.125	199.80	35.250	18.143	4.828
%RSD	.2242214	.5685111	1.514889	.8293917	.0892517
#1	3630.919	35000.93	2366.776	2186.814	5415.109
#2	3625.168	35060.49	2299.891	2169.805	5407.243
#3	3614.882	35372.92	2314.033	2206.069	5406.326

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168739BL Acquired: 7/11/2025 0:56:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013737**	**-.000984**	**-.001327**	**-.003403**	**-.001320**	**-.020641**	**-.001685**
Stddev	.0019284	.000619	.001569	.003680	.001631	.025906	.000938
%RSD	140.3833	62.90241	118.2159	108.1312	123.5413	125.5078	55.66332
#1	.0020297	-.001289	-.003103	-.004048	-.002822	.006802	-.002387
#2	-.000797	-.001390	-.000127	-.006717	.000414	-.044671	-.000620
#3	.002889	-.000272	-.000752	.000556	-.001552	-.024053	-.002047

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001059**	**-.000056**	**-.007791**	**.0000917**	**-.000053**	**-.000801**	**-.000049**
Stddev	.0001509	.000033	.029444	.0005133	.000376	.001195	.001866
%RSD	142.5148	59.05895	377.9024	559.4769	704.5895	149.2207	3779.141
#1	.0002441	-.000034	-.032653	.0000844	.000266	.000324	.001917
#2	.0001287	-.000094	-.015444	.0006087	.000042	-.002056	-.001797
#3	-.000055	-.000041	.024723	-.000418	-.000468	-.000670	-.000268

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000850**	**.0375786**	**-.000567**	**-.000589**	**-.034632**	**.0019722**	**-.001320**
Stddev	.002145	.0848392	.000596	.000806	.007148	.0084565	.000346
%RSD	252.2480	225.7643	105.1592	136.7304	20.63994	428.7900	26.17884
#1	.001403	-.047360	-.001083	-.001518	-.037784	-.005686	-.000979
#2	-.002867	.037778	.000086	-.000167	-.026449	.011048	-.001313
#3	-.001087	.122318	-.000703	-.000083	-.039662	.000554	-.001670

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0061443**	**-.001714**	**.0006284**	**-.000323**	**.0041068**	**-.003579**	**-.000681**
Stddev	.0003320	.001083	.0021960	.000208	.0012576	.001262	.000277
%RSD	5.402806	63.19941	349.4405	64.46511	30.62253	35.27293	40.73615
#1	.0063182	-.000695	.0024012	-.000160	.0028735	-.002143	-.000528
#2	.0057615	-.001596	.0013122	-.000557	.0040593	-.004080	-.001001
#3	.0063532	-.002852	-.001828	-.000251	.0053874	-.004514	-.000514

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168739BL Acquired: 7/11/2025 0:56:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0012097	F -.032461	-.000302
Stddev	.0022903	.007531	.000047
%RSD	189.3257	23.19912	15.64272
#1	.0035235	-.041153	-.000254
#2	.0011618	-.027890	-.000349
#3	-.001056	-.028341	-.000304

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3612.876	35127.59	2307.313	2192.270	5409.868
Stddev	7.783	142.29	14.024	11.224	4.467
%RSD	.2154213	.4050697	.6078183	.5120023	.0825635
#1	3616.163	35162.95	2323.397	2200.862	5408.083
#2	3603.989	34970.95	2300.903	2179.570	5406.569
#3	3618.477	35248.86	2297.639	2196.379	5414.951

Sample Name: PB168739BS Acquired: 7/11/2025 1:00:37 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6955879**	**1.942700**	**.9180884**	**1.917629**	**.7753573**	**1.908258**
Stddev	.0049958	.001951	.0050929	.005148	.0024693	.035539
%RSD	.7182133	.1004379	.5547261	.2684814	.3184720	1.862360
#1	.6903224	1.944046	.9125118	1.914696	.7739754	1.907347
#2	.6961799	1.940463	.9224934	1.923574	.7738884	1.873184
#3	.7002613	1.943593	.9192599	1.914618	.7782082	1.944243

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1987063**	**.2103994**	**.1830526**	**.9936586**	**.3967676**	**.1847717**
Stddev	.0005388	.0014914	.0002314	.0115440	.0022301	.0002985
%RSD	.2711662	.7088329	.1264046	1.161766	.5620755	.1615543
#1	.1984012	.2116738	.1829324	.9804443	.3984896	.1848218
#2	.1983893	.2087592	.1833193	1.001783	.3942484	.1844512
#3	.1993285	.2107653	.1829060	.998749	.3975649	.1850419

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3231979**	**3.352035**	**.2055398**	**1.960661**	**.4667656**	**.0700938**
Stddev	.0039873	.025031	.0032512	.040875	.0002488	.0005337
%RSD	1.233699	.7467465	1.581807	2.084738	.0532994	.7614062
#1	.3260539	3.377778	.2047741	1.948383	.4664922	.0698458
#2	.3186425	3.327782	.2027398	1.927333	.4668258	.0697293
#3	.3248973	3.350544	.2091056	2.006267	.4669787	.0707064

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.146265**	**.2992220**	**.2000005**	**9.906706**	**5.323292**	**.3036696**
Stddev	.044423	.0065633	.0011474	.144056	.010222	.0021216
%RSD	1.411937	2.193470	.5736872	1.454128	.1920192	.6986630
#1	3.196969	.3066248	.2012818	10.04887	5.312227	.3058849
#2	3.114182	.2941149	.1990680	9.76083	5.332383	.3016561
#3	3.127645	.2969262	.1996518	9.91041	5.325264	.3034678

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168739BS Acquired: 7/11/2025 1:00:37 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3863915	F .0034619	.9600384	.6572571	.1960778	.1805835
Stddev	.0008703	.0026830	.0119999	.0026431	.0019019	.0066783
%RSD	.2252426	77.49966	1.249936	.4021488	.9699483	3.698178
#1	.3855310	.0044081	.9717089	.6583795	.1968429	.1728895
#2	.3863721	.0004340	.9477343	.6591537	.1939126	.1839812
#3	.3872713	.0055435	.9606721	.6542379	.1974780	.1848798

Elem	Sr4077
Units	ppm
Avg	.2002154
Stddev	.0009117
%RSD	.4553524
#1	.2007138
#2	.1991631
#3	.2007692

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3643.569	35341.08	2339.558	2205.495	5273.102
Stddev	16.079	232.33	21.173	16.511	16.288
%RSD	.4413043	.6573865	.9050015	.7486239	.3088948
#1	3656.221	35460.86	2336.030	2215.805	5286.716
#2	3625.475	35489.07	2362.273	2214.229	5255.057
#3	3649.010	35073.30	2320.370	2186.452	5277.535

Sample Name: Q2481-01DLX10 Acquired: 7/11/2025 1:04:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003779**	**-.000281**	**.0315789**	**.0023146**	**-.013040**	**-.002025**
Stddev	.002814	.002793	.0015329	.0017710	.001043	.011121
%RSD	74.46561	995.2842	4.854112	76.51374	7.996020	549.2555
#1	-.000817	-.003463	.0322568	.0034065	-.011846	-.003916
#2	-.006417	.000854	.0298240	.0032661	-.013772	.009921
#3	-.004104	.001767	.0326559	.0002713	-.013503	-.012080

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008889**	**.0001752**	**.0007130**	**.4665612**	**.0308675**	**.0022750**
Stddev	.0008248	.0000889	.0001441	.0107142	.0005725	.0004016
%RSD	92.79101	50.75756	20.21474	2.296409	1.854682	17.65134
#1	.0013336	.0002149	.0007678	.4580382	.0314296	.0021307
#2	.0013958	.0002374	.0008217	.4630566	.0302852	.0027288
#3	-.000063	.0000733	.0005495	.4785888	.0308875	.0019655

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1276083**	**.2781878**	**.0043155**	**.2009171**	**.0908097**	**.0007552**
Stddev	.0009196	.0057034	.0028126	.0327739	.0008012	.0011540
%RSD	.7206312	2.050192	65.17515	16.31214	.8822855	152.8051
#1	.1286180	.2804716	.0075437	.1771710	.0902853	.0020043
#2	.1273883	.2716965	.0030085	.1872711	.0917320	.0005327
#3	.1268188	.2823954	.0023941	.2383091	.0904119	-.000271

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**269.8643**	**.0018894**	F **111.2439**	**50.49622**	**.0133888**	**.0161324**
Stddev	2.4367	.0033038	.4453	.46164	.0024641	.0007667
%RSD	.9029324	174.8651	.4003253	.9142167	18.40382	4.752834
#1	272.0637	-.001846	111.6012	51.00220	.0137161	.0165913
#2	267.2449	.004428	110.7450	50.09795	.0107775	.0152472
#3	270.2843	.003086	111.3857	50.38851	.0156729	.0165586

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-01DLX10 Acquired: 7/11/2025 1:04:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0199382	F 673.3679	.1559984	-.000559	.0078478	-.026544
Stddev	.0007950	1.8122	.0013720	.000530	.0027872	.002959
%RSD	3.987375	.2691283	.8794940	94.74865	35.51492	11.14832
#1	.0206965	673.7008	.1556144	-.001160	.0047621	-.029961
#2	.0200073	671.4122	.1548593	-.000158	.0101825	-.024897
#3	.0191109	674.9905	.1575215	-.000360	.0085989	-.024775

Elem	Sr4077
Units	ppm
Avg	.0041718
Stddev	.0001608
%RSD	3.854190
#1	.0042769
#2	.0039867
#3	.0042518

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3425.844	32341.08	2278.206	2069.498	4551.810
Stddev	7.001	132.21	8.152	3.702	13.807
%RSD	.2043492	.4087875	.3578440	.1788728	.3033318
#1	3430.873	32270.21	2273.891	2065.987	4560.265
#2	3428.811	32493.61	2287.609	2073.365	4559.288
#3	3417.849	32259.42	2273.118	2069.142	4535.877

Sample Name: Q2481-01DUPDLX10 Acquired: 7/11/2025 1:09:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006695**	**.0001423**	**.0298867**	**-.002620**	**-.011689**	**-.015155**
Stddev	.003917	.0013370	.0007658	.008993	.002852	.018116
%RSD	58.50551	939.5339	2.562162	343.1802	24.39586	119.5413
#1	-.008536	.0016822	.0290697	.001323	-.013074	-.024169
#2	-.009353	-.000722	.0305880	-.012911	-.008410	-.026996
#3	-.002197	-.000533	.0300025	.003727	-.013585	.005700

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020660**	**-.000026**	**.0007078**	**.4866181**	**.0301100**	**.0020429**
Stddev	.0013338	.000138	.0001477	.0170789	.0009514	.0003041
%RSD	64.56217	527.9971	20.86166	3.509721	3.159735	14.88781
#1	.0013022	.000133	.0007004	.4896292	.0291738	.0023567
#2	.0036061	-.000112	.0008589	.5019912	.0310759	.0017495
#3	.0012895	-.000100	.0005639	.4682338	.0300805	.0020223

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1264433**	**.2809384**	**.0039958**	**.1336260**	**.0918238**	**.0021041**
Stddev	.0016557	.0047810	.0007233	.0478510	.0009788	.0011167
%RSD	1.309404	1.701794	18.10196	35.80968	1.065930	53.07064
#1	.1246553	.2754420	.0034177	.1528412	.0914376	.0025273
#2	.1279234	.2832391	.0048069	.0791541	.0910971	.0008377
#3	.1267511	.2841341	.0037628	.1688827	.0929368	.0029474

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**267.8123**	**.0005442**	F **111.0363**	**50.13480**	**.0115938**	**.0144486**
Stddev	5.1717	.0017855	1.1964	1.16541	.0016661	.0009273
%RSD	1.931089	328.0985	1.077487	2.324548	14.37056	6.417789
#1	265.4033	-.001419	112.3341	49.25971	.0105485	.0146957
#2	273.7491	.000982	110.7975	51.45769	.0135152	.0134228
#3	264.2846	.002070	109.9773	49.68700	.0107178	.0152273

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-01DUPDLX10 Acquired: 7/11/2025 1:09:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0205436	F 677.5536	.1553498	.0015114	.0047452	-.020269
Stddev	.0009209	.5247	.0042003	.0002065	.0005597	.003498
%RSD	4.482814	.0774425	2.703792	13.65952	11.79417	17.25696
#1	.0203988	677.2397	.1505011	.0014541	.0053694	-.021015
#2	.0197036	677.2617	.1578764	.0017404	.0045782	-.016458
#3	.0215283	678.1594	.1576718	.0013396	.0042880	-.023333

Elem	Sr4077
Units	ppm
Avg	.0043479
Stddev	.0003395
%RSD	7.808233
#1	.0044400
#2	.0039719
#3	.0046319

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3383.588	32128.52	2263.217	2058.851	4488.091
Stddev	6.196	186.03	24.281	14.653	12.147
%RSD	.1831149	.5790096	1.072858	.7116848	.2706474
#1	3388.769	31915.05	2285.276	2042.024	4498.418
#2	3385.271	32214.52	2237.200	2065.740	4491.148
#3	3376.725	32255.99	2267.176	2068.790	4474.708

Sample Name: Q2481-01LDLX50 Acquired: 7/11/2025 1:14:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.007837**	**-.001336**	**.0065560**	**.0010706**	**-.003196**	**-.024828**
Stddev	.002050	.000790	.0032244	.0029208	.001972	.002397
%RSD	26.15823	59.11693	49.18252	272.8117	61.71436	9.655407
#1	-.010053	-.000920	.0076013	-.001846	-.001357	-.022779
#2	-.006008	-.002247	.0029386	.003996	-.005279	-.027464
#3	-.007449	-.000841	.0091281	.001062	-.002952	-.024240

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001273**	**.0001980**	**.0000453**	**.1123524**	**.0061621**	**.0004858**
Stddev	.002196	.0001666	.0001255	.0190110	.0005740	.0005478
%RSD	172.5993	84.16511	277.4329	16.92088	9.315001	112.7561
#1	-.000165	.0000103	.0000246	.0913625	.0067911	.0011126
#2	.000149	.0003286	.0001798	.1172807	.0056667	.0002458
#3	-.003802	.0002551	-.000069	.1284140	.0060285	.0000990

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0269657**	**.0551648**	**-.000007**	**-.045370**	**.0172182**	**-.000247**
Stddev	.0008183	.0021037	.002135	.051338	.0006898	.002005
%RSD	3.034661	3.813510	29500.51	113.1550	4.006353	811.1280
#1	.0269354	.0528370	.001570	-.101722	.0179014	.001998
#2	.0261630	.0557276	-.002436	-.033130	.0172312	-.000879
#3	.0277988	.0569299	.000845	-.001258	.0165220	-.001860

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.21845**	**.0011491**	F **39.66358**	**9.493992**	**.0035789**	**-.002619**
Stddev	.48083	.0049688	.35074	.076082	.0008220	.002696
%RSD	.8552963	432.3949	.8842882	.8013668	22.96723	102.9558
#1	55.69994	-.001410	39.40724	9.580278	.0027098	-.003580
#2	56.30579	.006876	40.06329	9.436552	.0043438	.000426
#3	56.64964	-.002018	39.52020	9.465145	.0036831	-.004703

Sample Name: Q2481-01LDLX50 Acquired: 7/11/2025 1:14:50 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039384	F 131.8796	.0260724	.0003171	.0020088	-.025108
Stddev	.0005129	.5564	.0022043	.0009950	.0031792	.008332
%RSD	13.02267	.4218651	8.454337	313.7777	158.2611	33.18307
#1	.0037966	132.3765	.0246056	-.000771	-.000791	-.018830
#2	.0035114	131.9839	.0250045	.000542	.001353	-.034560
#3	.0045073	131.2785	.0286073	.001180	.005465	-.021934

Elem	Sr4077
Units	ppm
Avg	.0007818
Stddev	.0000972
%RSD	12.43295
#1	.0007499
#2	.0008909
#3	.0007045

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3479.521	33265.49	2256.744	2096.990	4918.142
Stddev	15.758	225.61	14.707	14.777	28.249
%RSD	.4528889	.6782005	.6516961	.7046904	.5743736
#1	3464.812	33491.57	2270.730	2107.723	4892.019
#2	3477.600	33040.36	2258.094	2080.136	4914.287
#3	3496.153	33264.54	2241.409	2103.111	4948.120

Sample Name: Q2481-01MSDLX10 Acquired: 7/11/2025 1:19:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0754590**	**.2007613**	**.1363419**	**.2063101**	**.0670106**	**.1777954**
Stddev	.0026099	.0010169	.0017459	.0026601	.0027355	.0117726
%RSD	3.458658	.5065239	1.280492	1.289388	4.082141	6.621437
#1	.0724487	.2013702	.1362391	.2058646	.0687056	.1868053
#2	.0770870	.1995873	.1381369	.2039008	.0638548	.1644751
#3	.0768413	.2013263	.1346497	.2091648	.0684713	.1821058

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0221039**	**.0218195**	**.0224331**	**.6352608**	**.0749262**	**.0232980**
Stddev	.0005502	.0002799	.0002298	.0238837	.0007466	.0005996
%RSD	2.489388	1.282551	1.024223	3.759664	.9964656	2.573737
#1	.0224200	.0221275	.0223174	.6105203	.0755546	.0231098
#2	.0224231	.0217499	.0222842	.6581838	.0751232	.0228151
#3	.0214685	.0215810	.0226977	.6370785	.0741009	.0239692

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1698677**	**.6407104**	**.0245766**	**.3917963**	**.1530752**	**.0077561**
Stddev	.0005675	.0039332	.0015867	.0338229	.0004166	.0002599
%RSD	.3340792	.6138824	6.456302	8.632770	.2721200	3.350807
#1	.1704979	.6449719	.0259191	.4288126	.1528117	.0080377
#2	.1693971	.6399398	.0249852	.3840738	.1535554	.0077049
#3	.1697081	.6372195	.0228255	.3625024	.1528584	.0075255

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**292.8768**	**.0420310**	F **115.1334**	**57.27166**	**.6551967**	**.0471695**
Stddev	2.8329	.0055823	.3303	.22332	.0021687	.0007237
%RSD	.9672728	13.28147	.2869069	.3899384	.3309969	1.534184
#1	293.1735	.0365289	115.4531	57.29781	.6527210	.0471310
#2	295.5498	.0476903	115.1537	57.48076	.6567608	.0479117
#3	289.9073	.0418739	114.7934	57.03641	.6561082	.0464659

Sample Name: Q2481-01MSDLX10 Acquired: 7/11/2025 1:19:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0635243	F 733.8061	.2644703	.0754644	.0192558	.0057174
Stddev	.0002707	2.4280	.0017043	.0006368	.0024313	.0082819
%RSD	.4260855	.3308781	.6444209	.8438899	12.62610	144.8537
#1	.0633485	731.9995	.2659119	.0761926	.0164513	-.003735
#2	.0633885	732.8527	.2649096	.0750119	.0207684	.011701
#3	.0638360	736.5661	.2625893	.0751885	.0205477	.009186

Elem	Sr4077
Units	ppm
Avg	.0256339
Stddev	.0005168
%RSD	2.016125
#1	.0261181
#2	.0256938
#3	.0250897

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3349.144	31560.64	2218.627	2030.116	4425.352
Stddev	9.166	49.58	16.400	4.577	17.354
%RSD	.2736864	.1571095	.7392031	.2254454	.3921468
#1	3359.714	31553.47	2200.518	2025.390	4445.055
#2	3344.344	31613.43	2222.885	2034.527	4418.663
#3	3343.375	31515.04	2232.479	2030.432	4412.337

Sample Name: Q2481-01MSDDLX10 Acquired: 7/11/2025 1:24:25 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0746851**	**.2008343**	**.1331382**	**.1999557**	**.0649824**	**.2044721**
Stddev	.0014414	.0004182	.0007428	.0090464	.0019038	.0351225
%RSD	1.929920	.2082375	.5579429	4.524209	2.929680	17.17714
#1	.0732619	.2007025	.1322809	.2100072	.0657346	.1639300
#2	.0746495	.2013025	.1335426	.1924675	.0663952	.2256600
#3	.0761440	.2004978	.1335910	.1973924	.0628175	.2238264

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0225333**	**.0215782**	**.0220136**	**.6412762**	**.0745638**	**.0231054**
Stddev	.0019698	.0000879	.0000562	.0103238	.0004895	.0002834
%RSD	8.741926	.4073585	.2551683	1.609885	.6564539	1.226582
#1	.0202764	.0214820	.0220285	.6362999	.0750702	.0234302
#2	.0239071	.0215979	.0219515	.6531456	.0740932	.0229083
#3	.0234162	.0216545	.0220609	.6343830	.0745282	.0229776

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1678430**	**.6251718**	**.0249742**	**.2923460**	**.1509417**	**.0076216**
Stddev	.0014959	.0026104	.0022595	.1055768	.0005880	.0004604
%RSD	.8912475	.4175443	9.047251	36.11366	.3895754	6.040876
#1	.1662161	.6228604	.0274451	.1937555	.1516164	.0077985
#2	.1691590	.6246521	.0230132	.4037411	.1505385	.0070989
#3	.1681540	.6280029	.0244643	.2795413	.1506701	.0079673

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**289.8801**	**.0309215**	F **114.2067**	**55.04095**	**.6481686**	**.0489465**
Stddev	2.1940	.0034078	.4592	.20229	.0010186	.0014838
%RSD	.7568661	11.02068	.4020881	.3675328	.1571548	3.031525
#1	288.5719	.0271106	113.9934	55.15604	.6492975	.0505512
#2	288.6552	.0336760	113.8930	54.80737	.6478903	.0486642
#3	292.4130	.0319779	114.7338	55.15943	.6473181	.0476242

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-01MSDDLX10 Acquired: 7/11/2025 1:24:25 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0636056	F 723.5927	.2638859	.0733757	.0227078	.0096561
Stddev	.0005747	.7425	.0027326	.0010743	.0034017	.0073135
%RSD	.9036069	.1026112	1.035532	1.464122	14.98030	75.74028
#1	.0636648	724.1835	.2621532	.0723870	.0241474	.0180145
#2	.0630036	722.7593	.2624686	.0732214	.0251531	.0044328
#3	.0641484	723.8355	.2670360	.0745189	.0188230	.0065209

Elem	Sr4077
Units	ppm
Avg	.0255834
Stddev	.0004288
%RSD	1.676174
#1	.0256945
#2	.0259457
#3	.0251099

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3354.415	31668.35	2234.925	2033.115	4447.247
Stddev	6.676	210.26	15.449	17.271	1.401
%RSD	.1990357	.6639515	.6912348	.8494770	.0314920
#1	3362.011	31635.36	2246.546	2024.232	4448.843
#2	3351.761	31476.53	2217.394	2022.094	4446.221
#3	3349.474	31893.16	2240.836	2053.020	4446.678

Sample Name: Q2481-01ADLX10 Acquired: 7/11/2025 1:29:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0703555**	**.1983563**	**.1335358**	**.2023192**	**.0671814**	**.1920401**
Stddev	.0007064	.0009993	.0009311	.0043630	.0047424	.0378356
%RSD	1.003998	.5038074	.6972549	2.156483	7.059163	19.70192
#1	.0695421	.1977704	.1332985	.2040177	.0617900	.1958472
#2	.0708146	.1977883	.1345626	.1973624	.0690461	.2278282
#3	.0707098	.1995102	.1327463	.2055774	.0707080	.1524449

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0224708**	**.0215371**	**.0220259**	**.6481740**	**.0742742**	**.0231566**
Stddev	.0003994	.0002169	.0001467	.0055368	.0010077	.0003915
%RSD	1.777340	1.006915	.6658803	.8542205	1.356743	1.690589
#1	.0229139	.0217416	.0221952	.6522141	.0737652	.0235034
#2	.0223599	.0215600	.0219355	.6418627	.0754349	.0227321
#3	.0221386	.0213097	.0219471	.6504452	.0736225	.0232342

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1680617**	**.6319959**	**.0232919**	**.3886827**	**.1499226**	**.0078765**
Stddev	.0039643	.0062806	.0017368	.0825727	.0010018	.0014429
%RSD	2.358860	.9937660	7.456733	21.24425	.6682377	18.31891
#1	.1721186	.6387185	.0238668	.4791953	.1510518	.0095396
#2	.1678697	.6309903	.0213405	.3693853	.1491402	.0069587
#3	.1641969	.6262788	.0246684	.3174675	.1495760	.0071312

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**288.5375**	**.0421749**	F **115.2248**	**55.30728**	**.6484201**	**.0479469**
Stddev	4.4353	.0038126	.6367	.33301	.0010048	.0012389
%RSD	1.537167	9.040002	.5526066	.6021173	.1549592	2.583931
#1	293.6582	.0431568	114.7551	55.17253	.6495635	.0492902
#2	285.8981	.0379673	114.9697	55.68655	.6480192	.0468492
#3	286.0564	.0454005	115.9495	55.06275	.6476777	.0477013

Sample Name: Q2481-01ADLX10 Acquired: 7/11/2025 1:29:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0627085	F 724.1251	.2654947	.0743040	.0216759	.0058793
Stddev	.0003597	2.2503	.0058445	.0010278	.0017165	.0044954
%RSD	.5736299	.3107650	2.201360	1.383192	7.919011	76.46099
#1	.0626546	726.5931	.2692729	.0740335	.0223697	.0012900
#2	.0623788	722.1870	.2684482	.0754400	.0229370	.0102745
#3	.0630921	723.5953	.2587628	.0734386	.0197211	.0060735

Elem	Sr4077
Units	ppm
Avg	.0255549
Stddev	.0001976
%RSD	.7730426
#1	.0257781
#2	.0254839
#3	.0254026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3342.566	31292.68	2210.966	2016.430	4422.061
Stddev	10.506	147.46	22.595	12.053	21.184
%RSD	.3143070	.4712132	1.021943	.5977504	.4790483
#1	3331.049	31378.25	2185.258	2017.291	4399.396
#2	3345.023	31377.39	2219.967	2028.030	4425.424
#3	3351.626	31122.42	2227.673	2003.969	4441.362

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-02DLX10 Acquired: 7/11/2025 1:34:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.007551**	**-.003147**	**.2955000**	**.0039530**	**-.003811**	**-.004229**
Stddev	.002807	.001524	.0038820	.0008816	.002752	.017553
%RSD	37.17376	48.43475	1.313698	22.30143	72.20250	415.0330
#1	-.009468	-.002941	.2929081	.0049667	-.000788	-.001693
#2	-.008855	-.004763	.2936287	.0033656	-.006171	-.022912
#3	-.004329	-.001736	.2999632	.0035266	-.004474	.011917

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006239**	**.0002755**	**.0158806**	**.1853113**	**.0007595**	**.0016334**
Stddev	.0012904	.0000286	.0001046	.0204441	.0002396	.0001546
%RSD	206.8148	10.39951	.6589323	11.03229	31.54577	9.465839
#1	.0020817	.0002959	.0159871	.2082570	.0004829	.0017302
#2	-.000372	.0002427	.0157779	.1786429	.0008960	.0017150
#3	.000162	.0002877	.0158767	.1690340	.0008997	.0014551

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.334742**	**.1622503**	**.0033865**	**-.009891**	**.0619398**	**.0062151**
Stddev	.033715	.0011039	.0006339	.054785	.0004248	.0002307
%RSD	1.011021	.6803476	18.71900	553.8781	.6857486	3.712555
#1	3.296231	.1614555	.0041080	-.069683	.0622391	.0063364
#2	3.349061	.1635107	.0029189	.002113	.0621266	.0059490
#3	3.358934	.1617847	.0031326	.037896	.0614536	.0063599

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.305535**	**-.003382**	F **52.29860**	**132.5349**	**.1235827**	**-.001313**
Stddev	.035104	.004396	.18935	1.4504	.0011099	.001398
%RSD	.8153158	129.9820	.3620465	1.094343	.8981183	106.4533
#1	4.265460	.000708	52.51157	131.5358	.1243112	.000301
#2	4.320303	-.008031	52.14928	131.8703	.1241315	-.002129
#3	4.330842	-.002823	52.23494	134.1985	.1223052	-.002111

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-02DLX10 Acquired: 7/11/2025 1:34:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005820	.4943799	.0065945	.0010276	.0020218	-.027675
Stddev	.0007154	.0121861	.0018320	.0021941	.0061795	.006391
%RSD	122.9356	2.464922	27.78129	213.5215	305.6507	23.09228
#1	.0013935	.5084505	.0061733	.0019087	.0012439	-.024844
#2	.0000422	.4872248	.0050097	.0026442	.0085533	-.023188
#3	.0003102	.4874644	.0086004	-.001470	-.003732	-.034992

Elem	Sr4077
Units	ppm
Avg	.0024415
Stddev	.0005026
%RSD	20.58496
#1	.0025000
#2	.0029122
#3	.0019122

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3449.647	33278.53	2283.137	2104.574	4735.647
Stddev	5.482	193.29	23.742	14.272	6.224
%RSD	.1589122	.5808381	1.039890	.6781197	.1314295
#1	3452.194	33144.65	2296.564	2089.207	4741.874
#2	3443.355	33500.13	2297.124	2117.412	4729.426
#3	3453.392	33190.80	2255.724	2107.104	4735.641

Sample Name: Q2481-03DLX10 Acquired: 7/11/2025 1:39:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0875444**	**-.003230**	**.0033117**	**.0808603**	**.0500379**	**.1004545**
Stddev	.0069291	.000280	.0017920	.0011754	.0024316	.0302304
%RSD	7.914921	8.679770	54.11012	1.453646	4.859483	30.09364
#1	.0813284	-.003535	.0052496	.0802896	.0526246	.1345705
#2	.0862897	-.002983	.0017147	.0800791	.0496905	.0769972
#3	.0950151	-.003173	.0029708	.0822121	.0477988	.0897958

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0064317**	**.0001011**	**.0187550**	**.0219310**	**.0036833**	**.0002202**
Stddev	.0007039	.0002992	.0000257	.0179526	.0003612	.0001364
%RSD	10.94375	295.8282	.1369909	81.85949	9.806506	61.93761
#1	.0062743	-.000034	.0187731	.0399485	.0035826	.0000685
#2	.0058198	.000444	.0187664	.0218005	.0040841	.0002595
#3	.0072009	-.000107	.0187256	.0040440	.0033831	.0003327

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0184656**	**-.003690**	**-.000232**	**-.065401**	**-.000893**	**5.253675**
Stddev	.0005505	.003905	.001441	.057494	.000818	.047202
%RSD	2.981127	105.8390	621.4545	87.91056	91.59315	.8984615
#1	.0186877	-.004044	.000142	-.012249	-.001753	5.262020
#2	.0188704	.000381	-.001823	-.126425	-.000803	5.202857
#3	.0178388	-.007406	.000986	-.057528	-.000124	5.296148

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**706.4428**	**.0070343**	F **26.11905**	^ *****	**.1466326**	**.0252837**
Stddev	5.2815	.0028567	.15887	-----	.0059370	.0013808
%RSD	.7476223	40.61014	.6082635	-----	4.048905	5.461315
#1	701.4596	.0038127	26.00169	^ -----	.1409869	.0237622
#2	711.9791	.0080315	26.05562	^ -----	.1460876	.0264573
#3	705.8896	.0092587	26.29983	^ -----	.1528234	.0256315

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-03DLX10 Acquired: 7/11/2025 1:39:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002175	22.18887	.3750561	.0650322	.0043416	.1322102
Stddev	.0008744	.05813	.0008946	.0029003	.0052457	.0035327
%RSD	402.1250	.2619857	.2385211	4.459744	120.8240	2.672034
#1	-.000447	22.14225	.3751699	.0622311	.0073307	.1349220
#2	-.000108	22.25400	.3758884	.0648430	-.001715	.1282153
#3	.001208	22.17034	.3741101	.0680223	.007410	.1334935

Elem	Sr4077
Units	ppm
Avg	.0097896
Stddev	.0000716
%RSD	.7313075
#1	.0097891
#2	.0098615
#3	.0097183

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3119.399	28547.92	2262.059	1884.722	3895.688
Stddev	9.361	137.19	7.262	12.952	11.556
%RSD	.3001036	.4805448	.3210142	.6872314	.2966453
#1	3109.359	28692.25	2270.418	1898.977	3887.389
#2	3127.889	28532.28	2257.315	1881.512	3908.887
#3	3120.949	28419.22	2258.442	1873.676	3890.787

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV06 Acquired: 7/11/2025 1:47:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.779350**	**4.844964**	**4.821446**	**4.813967**	**4.788605**	**9.524801**	**9.806736**
Stddev	.018222	.007395	.005821	.009408	.005735	.046398	.017328
%RSD	.3812758	.1526332	.1207273	.1954267	.1197644	.4871257	.1766952
#1	4.784395	4.845586	4.823434	4.824512	4.793666	9.484281	9.787303
#2	4.759136	4.837278	4.814892	4.810951	4.789773	9.575415	9.820579
#3	4.794518	4.852029	4.826013	4.806436	4.782376	9.514707	9.812327

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2482047**	**2.410481**	**24.14206**	**.9777817**	**2.373176**	**1.237627**	**4.891031**
Stddev	.0014198	.004403	.02681	.0024513	.004765	.007713	.010018
%RSD	.5720379	.1826693	.1110406	.2506955	.2008031	.6232091	.2048303
#1	.2466289	2.410659	24.14092	.9787647	2.373415	1.229095	4.881965
#2	.2486007	2.405992	24.11585	.9795889	2.368296	1.239679	4.889342
#3	.2493844	2.414793	24.16942	.9749915	2.377818	1.244106	4.901786

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.444680**	**24.16233**	**2.372048**	**1.215150**	**26.40793**	**2.469393**	**2.443189**
Stddev	.002871	.07567	.003129	.000575	.10872	.009197	.003363
%RSD	.1174547	.3131819	.1319278	.0473339	.4116816	.3724230	.1376411
#1	2.441572	24.09082	2.374010	1.215326	26.28283	2.478942	2.439675
#2	2.445236	24.24157	2.368439	1.215616	26.46143	2.468642	2.446378
#3	2.447233	24.15461	2.373694	1.214507	26.47953	2.460595	2.443514

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.24970**	**4.836783**	**5.005972**	**4.785479**	**4.749384**	**4.998668**	**4.851292**
Stddev	.25549	.003927	.021866	.001736	.013938	.027564	.010488
%RSD	.9733028	.0811949	.4367914	.0362776	.2934794	.5514283	.2161997
#1	26.51878	4.839671	4.982352	4.783537	4.756470	4.971391	4.840462
#2	26.21989	4.832311	5.010056	4.786021	4.733326	4.998101	4.852012
#3	26.01042	4.838366	5.025508	4.786880	4.758356	5.026511	4.861402

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV06 Acquired: 7/11/2025 1:47:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.860757**	**4.811559**	**4.901961**
Stddev	.014289	.003038	.015916
%RSD	.2939728	.0631434	.3246895
#1	4.847364	4.813843	4.887980
#2	4.875800	4.808110	4.919282
#3	4.859107	4.812722	4.898619

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3463.017**	**33383.90**	**2295.991**	**2081.986**	**4634.775**
Stddev	12.119	228.56	3.618	5.324	17.486
%RSD	.3499566	.6846327	.1575921	.2557249	.3772685
#1	3476.759	33141.05	2293.886	2077.135	4654.822
#2	3453.855	33415.84	2293.918	2081.142	4626.831
#3	3458.438	33594.80	2300.169	2087.682	4622.671

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB06 Acquired: 7/11/2025 2:23:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011112**	**-.003434**	**-.000346**	**.0005869**	**.0025126**	**-.033661**	**-.000983**
Stddev	.0020943	.001469	.001404	.0024599	.0029004	.011250	.000795
%RSD	188.4656	42.78236	405.9503	419.1553	115.4325	33.42300	80.85254
#1	-.000474	-.001755	.001269	.0007350	.0051915	-.043704	-.001283
#2	.000322	-.004485	-.001033	-.001944	-.000567	-.035776	-.001584
#3	.003485	-.004060	-.001273	.002969	.002914	-.021503	-.000082

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000358**	**-.000026**	**-.009448**	**.0000816**	**-.000014**	**-.000677**	**-.003250**
Stddev	.0000470	.000077	.014328	.0006784	.000095	.000192	.002214
%RSD	131.3065	294.2899	151.6567	831.0992	702.2389	28.30297	68.13338
#1	-.000017	.000007	-.015690	.0005728	.000035	-.000497	-.003506
#2	.000050	-.000114	-.019596	-.000692	.000047	-.000654	-.000919
#3	.000074	.000028	.006943	.000365	-.000123	-.000878	-.005325

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0087545**	**-.015373**	**-.000028**	**.0048747**	**-.020752**	**-.009330**	**.0014267**
Stddev	.0011188	.105704	.000536	.0010135	.009777	.005278	.0006705
%RSD	12.78017	687.5747	1889.104	20.78996	47.11324	56.56752	46.99529
#1	.0081382	-.007446	.000107	.0044577	-.010606	-.014630	.0020635
#2	.0100459	-.124818	.000427	.0060302	-.030113	-.004074	.0007269
#3	.0080793	.086144	-.000619	.0041364	-.021538	-.009287	.0014899

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.012331**	**-.002292**	**-.006605**	**-.000122**	**.0064450**	**-.000230**	**-.008007**
Stddev	.001201	.004095	.000522	.000345	.0043743	.004469	.001112
%RSD	9.735550	178.6229	7.908756	284.1619	67.87139	1945.692	13.88351
#1	-.013240	-.002501	-.006179	-.000267	.0058530	.004770	-.008726
#2	-.012783	.001903	-.007188	.000273	.0110852	-.001626	-.008569
#3	-.010970	-.006279	-.006448	-.000370	.0023969	-.003833	-.006727

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB06 Acquired: 7/11/2025 2:23:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0017381	F -.041567	-.000236
Stddev	.0014538	.013332	.000238
%RSD	83.64459	32.07274	100.9888
#1	.0029579	-.056834	-.000448
#2	.0021269	-.035638	.000022
#3	.0001294	-.032228	-.000282

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3666.652	35908.25	2382.933	2221.837	5504.199
Stddev	4.328	164.90	8.293	9.516	7.392
%RSD	.1180422	.4592269	.3480324	.4283158	.1342991
#1	3661.655	35718.24	2391.724	2212.832	5499.608
#2	3669.188	35992.71	2381.827	2220.885	5500.263
#3	3669.114	36013.82	2375.249	2231.793	5512.727

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-04DLX5 Acquired: 7/11/2025 2:27:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000865**	**-.001766**	**-.000554**	**.0048568**	**.0055569**	**-.024926**	**.0014969**
Stddev	.005746	.000718	.001034	.0054532	.0000999	.015010	.0008850
%RSD	664.3931	40.66757	186.5605	112.2820	1.797055	60.21830	59.12245
#1	.004294	-.002558	.000441	-.001305	.0056710	-.024223	.0005272
#2	.000168	-.001157	-.000481	.009061	.0055144	-.040274	.0017025
#3	-.007057	-.001583	-.001622	.006814	.0054853	-.010279	.0022610

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001419**	**.0027101**	**-.016952**	**.0004004**	**.0113082**	**.0262615**	**-.001305**
Stddev	.0002533	.0001488	.025630	.0006322	.0001542	.0006782	.003020
%RSD	178.4685	5.490629	151.1886	157.8806	1.363371	2.582612	231.4634
#1	-.000073	.0025893	-.021346	.0010763	.0114342	.0264246	-.003363
#2	.000078	.0028763	-.040102	.0003014	.0111363	.0268433	-.002712
#3	.000421	.0026648	.010590	-.000176	.0113542	.0255165	.002162

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016548**	**-.014345**	**.0001623**	**.0470533**	**29.98721**	**-.000194**	**.0193647**
Stddev	.0007893	.063169	.0007668	.0019157	.10872	.001490	.0000564
%RSD	47.69883	440.3626	472.4537	4.071388	.3625436	766.4946	.2912667
#1	.0010788	.016049	-.000418	.0490440	29.88475	-.001767	.0194297
#2	.0025545	.027882	.001031	.0468934	30.10125	-.000014	.0193362
#3	.0013311	-.086965	-.000126	.0452226	29.97562	.001197	.0193283

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**136.3019**	**.0135360**	**-.003150**	**.0000285**	**2.243962**	**.0001236**	**-.001147**
Stddev	2.7267	.0037536	.002384	.0005018	.007371	.0015303	.000753
%RSD	2.000471	27.73061	75.65579	1758.378	.3284701	1237.825	65.66183
#1	139.4219	.0094503	-.004489	-.000531	2.250498	.0017889	-.001187
#2	134.3757	.0143260	-.004563	.000439	2.235973	-.001221	-.001880
#3	135.1082	.0168318	-.000399	.000177	2.245416	-.000197	-.000375

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-04DLX5 Acquired: 7/11/2025 2:27:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0034121	-.039111	.0001092
Stddev	.0060706	.003016	.0002653
%RSD	177.9146	7.711304	242.9235
#1	-.000836	-.039843	-.000190
#2	.000707	-.041693	.000315
#3	.010365	-.035796	.000203

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3490.105	33415.82	2324.125	2108.835	4781.832
Stddev	6.651	85.49	9.482	3.483	13.815
%RSD	.1905539	.2558303	.4079630	.1651533	.2888974
#1	3485.484	33407.43	2315.730	2109.665	4766.891
#2	3497.727	33334.83	2322.236	2105.012	4794.143
#3	3487.105	33505.19	2334.409	2111.828	4784.462

Sample Name: Q2481-05DLX5 Acquired: 7/11/2025 2:32:08 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0280443**	**.0213673**	**.0023479**	**.0020152**	**.0544563**	**.0964939**
Stddev	.0018052	.0023364	.0013629	.0085959	.0024351	.0464890
%RSD	6.436901	10.93462	58.04480	426.5463	4.471717	48.17817
#1	.0296714	.0186873	.0011984	.0067529	.0572632	.1369182
#2	.0261024	.0224393	.0019919	.0071999	.0531976	.1068698
#3	.0283591	.0229754	.0038535	-.007907	.0529081	.0456937

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0173728**	**-.000154**	**-.000438**	**.8028029**	**2.701542**	**.0393361**
Stddev	.0018638	.000234	.000187	.0403728	.007960	.0003718
%RSD	10.72807	151.7308	42.77244	5.028977	.2946397	.9452738
#1	.0169834	.000116	-.000222	.7631394	2.692514	.0389523
#2	.0157345	-.000282	-.000553	.8014199	2.707551	.0393613
#3	.0194005	-.000296	-.000538	.8438494	2.704560	.0396946

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0714213**	**3.169173**	**.2150965**	**.1168678**	**21.06798**	**.0024795**
Stddev	.0139594	.414151	.0017601	.1355338	.04919	.0010196
%RSD	19.54509	13.06811	.8182682	115.9719	.2334906	41.12290
#1	.0609048	2.854379	.2162707	.1483329	21.01740	.0014487
#2	.0661005	3.014801	.2130728	.2339014	21.07088	.0034876
#3	.0872586	3.638339	.2159460	-.031631	21.11566	.0025021

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**514.1969**	**-.045123**	**.6095784**	**^ *****	**.1061597**	**.0984310**
Stddev	67.0632	.004750	.0043463	-----	.0031363	.0141652
%RSD	13.04232	10.52712	.7129977	-----	2.954283	14.39099
#1	464.0179	-.040915	.6134965	^ -----	.1086268	.0863059
#2	488.2077	-.044181	.6049034	^ -----	.1026302	.0949862
#3	590.3650	-.050274	.6103353	^ -----	.1072219	.1140009

Sample Name: Q2481-05DLX5 Acquired: 7/11/2025 2:32:08 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.801797	F 3752.863	.0864857	.0037571	-.007027	.0326678
Stddev	.012247	11.438	.0221684	.0001920	.004658	.0227845
%RSD	.1800614	.3047721	25.63249	5.109955	66.28832	69.74584
#1	6.799600	3765.357	.0695978	.0035839	-.004890	.0126809
#2	6.790797	3742.910	.0782700	.0037240	-.003821	.0278450
#3	6.814995	3750.321	.1115891	.0039635	-.012371	.0574776

Elem	Sr4077
Units	ppm
Avg	.0335223
Stddev	.0001091
%RSD	.3254720
#1	.0336237
#2	.0334068
#3	.0335364

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3156.063	30165.65	2021.690	1909.832	4093.043
Stddev	5.576	122.52	251.436	8.847	1.137
%RSD	.1766636	.4061515	12.43690	.4632242	.0277809
#1	3149.627	30142.48	2213.285	1904.197	4094.303
#2	3159.421	30298.10	2114.806	1920.029	4092.735
#3	3159.141	30056.37	1736.979	1905.271	4092.093

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-06DLX5 Acquired: 7/11/2025 2:36:49 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013443**	**.0218905**	**.0017766**	**.0050913**	**.0022867**	**-.012160**	**-.000444**
Stddev	.0037515	.0041801	.0006796	.0061990	.0034074	.024132	.000602
%RSD	279.0651	19.09566	38.25350	121.7567	149.0080	198.4558	135.5432
#1	.0034647	.0171420	.0015545	.0060724	.0061673	-.038984	-.000547
#2	-.002987	.0250144	.0025394	.0107413	-.000216	-.005279	-.000988
#3	.003555	.0235151	.0012358	-.001540	.000909	.007784	.000203

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003511**	**.0013280**	**.0022340**	**.0000666**	**.0001446**	**.1014440**	**-.001564**
Stddev	.0002551	.0000908	.0251273	.0006166	.0001082	.0201959	.002222
%RSD	72.67624	6.839901	1124.765	926.2484	74.84107	19.90843	142.0471
#1	.0004913	.0014280	.0266077	-.000617	.0000228	.1244429	-.003933
#2	.0000566	.0012505	-.023585	.000237	.0001812	.0932859	-.001231
#3	.0005053	.0013056	.003679	.000580	.0002297	.0866033	.000472

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063719**	**-.062676**	**.0013207**	**.0275604**	**69.92356**	**-.003782**	**.2334818**
Stddev	.0013878	.092618	.0007474	.0002565	13.46793	.003742	.0040169
%RSD	21.77984	147.7726	56.59403	.9306750	19.26093	98.95067	1.720449
#1	.0064993	.040047	.0017072	.0274293	85.43908	-.001460	.2332921
#2	.0076916	-.139808	.0017957	.0278560	63.08035	-.001787	.2295631
#3	.0049248	-.088268	.0004591	.0273960	61.25124	-.008099	.2375903

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.0216527**	**.0350827**	**-.000350**	**1.589951**	**.0061046**	**-.000922**
Stddev	-----	.0040870	.0085811	.000474	.190151	.0046909	.001663
%RSD	-----	18.87511	24.45957	135.2662	11.95955	76.84228	180.3181
#1	^ -----	.0263713	.0441864	-.000296	1.806655	.0114558	-.001509
#2	^ -----	.0193637	.0339187	.000094	1.512208	.0027022	-.002212
#3	^ -----	.0192232	.0271430	-.000849	1.450990	.0041559	.000955

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-06DLX5 Acquired: 7/11/2025 2:36:49 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0059660	-.022142	-.000085
Stddev	.0034649	.008073	.000235
%RSD	58.07711	36.45986	275.5652
#1	.0041419	-.030693	-.000351
#2	.0099618	-.014652	.000092
#3	.0037942	-.021081	.000004

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3327.863	30607.93	2117.174	2004.141	4387.052
Stddev	113.675	1818.92	311.919	102.058	178.557
%RSD	3.415867	5.942650	14.73280	5.092346	4.070094
#1	3196.833	31024.87	1757.570	2043.398	4180.874
#2	3400.120	32182.18	2314.500	2080.742	4489.378
#3	3386.637	28616.73	2279.452	1888.284	4490.904

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-07DLX5 Acquired: 7/11/2025 2:41:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047716**	**.0000016**	**.0003464**	**.0019813**	**.0027561**	**-.013788**	**-.001088**
Stddev	.0034377	.0012760	.0024273	.0006119	.0010959	.022203	.000250
%RSD	72.04525	79861.04	700.6576	30.88630	39.76241	161.0306	22.92497
#1	.0087151	-.001437	-.000431	.0026373	.0020485	.011848	-.001311
#2	.0031923	.000445	-.001597	.0018806	.0040184	-.026366	-.000819
#3	.0024073	.000996	.003067	.0014259	.0022014	-.026847	-.001135

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002130**	**-.000079**	**-.018936**	**.0006276**	**.1220705**	**.0654500**	**-.002986**
Stddev	.0001127	.000046	.023355	.0006890	.0002132	.0010322	.002412
%RSD	52.90611	58.67393	123.3317	109.7797	.1746275	1.577066	80.77976
#1	.0003401	-.000052	-.009154	.0004376	.1222780	.0665857	-.005136
#2	.0001736	-.000132	-.002063	.0013917	.1218521	.0651950	-.003445
#3	.0001253	-.000053	-.045591	.0000536	.1220815	.0645691	-.000377

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000323**	**.0283246**	**.0007143**	**.0127787**	**28.11435**	**.0001350**	**.0012008**
Stddev	.0022958	.0896412	.0003632	.0008862	.20284	.0119733	.0006083
%RSD	7116.933	316.4781	50.84620	6.935156	.7214961	8870.877	50.66093
#1	.0007322	.0757411	.0006445	.0117556	28.34112	-.000996	.0006201
#2	-.002532	.0842988	.0011073	.0132724	28.05173	.012634	.0018334
#3	.001897	-.075066	.0003910	.0133081	27.95020	-.011233	.0011488

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.4861135**	**.0229262**	**.0021053**	**.9484401**	**.0023986**	**-.000462**
Stddev	-----	.0018077	.0027775	.0004530	.0038018	.0015239	.000389
%RSD	-----	.3718695	12.11487	21.51618	.4008432	63.53148	84.01121
#1	^ -----	.4850844	.0215868	.0023785	.9489106	.0011274	-.000885
#2	^ -----	.4850553	.0261195	.0023549	.9519848	.0019805	-.000121
#3	^ -----	.4882008	.0210722	.0015824	.9444251	.0040879	-.000381

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-07DLX5 Acquired: 7/11/2025 2:41:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0027963	-.023718	-.000063
Stddev	.0032753	.011733	.000165
%RSD	117.1319	49.46749	262.6475
#1	.0061225	-.034087	.000124
#2	-.000426	-.010983	-.000189
#3	.002692	-.026084	-.000124

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3463.132	32838.89	2338.801	2098.876	4615.074
Stddev	4.784	200.93	27.849	1.694	6.960
%RSD	.1381500	.6118524	1.190733	.0806899	.1508123
#1	3457.640	33047.17	2311.142	2100.665	4608.205
#2	3465.358	32646.22	2366.836	2098.666	4622.122
#3	3466.397	32823.29	2338.424	2097.297	4614.895

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-08 Acquired: 7/11/2025 2:45:49 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038835**	**.0007300**	**.0175259**	**.0045071**	**.0129553**	**.5584006**
Stddev	.0014575	.0017477	.0093970	.0073046	.0005715	.0273417
%RSD	37.53111	239.4099	53.61801	162.0678	4.410959	4.896432
#1	.0051623	-.001112	.0099675	.0060331	.0122971	.5805436
#2	.0041917	.002364	.0145629	.0109282	.0132429	.5668184
#3	.0022966	.000938	.0280473	-.003440	.0133257	.5278397

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0120538**	**-.000144**	**.0012822**	**.8028050**	**.6226171**	**.0105072**
Stddev	.0016093	.000088	.0000515	.0220440	.0065304	.0004788
%RSD	13.35105	61.54116	4.016888	2.745866	1.048865	4.557273
#1	.0134262	-.000159	.0012361	.7944795	.6299776	.0110042
#2	.0124527	-.000223	.0013378	.8277992	.6175179	.0104684
#3	.0102826	-.000049	.0012727	.7861363	.6203558	.0100489

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.33917**	**9.463913**	**.1167890**	**.1715891**	**2.067238**	**.0027286**
Stddev	5.64819	.467483	.0025932	.0270756	.008083	.0005845
%RSD	23.20619	4.939638	2.220448	15.77930	.3910273	21.42267
#1	28.93258	8.924191	.1138764	.1416667	2.075899	.0025847
#2	26.05213	9.741857	.1176431	.1943972	2.059894	.0022294
#3	18.03278	9.725691	.1188474	.1787035	2.065921	.0033716

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.329126**	**-.001977**	**8.266591**	**75.21408**	**.5611726**	**.0207769**
Stddev	.190711	.008955	.120342	23.56845	.0710324	.0011217
%RSD	3.013227	453.0475	1.455763	31.33515	12.65785	5.398564
#1	6.514415	.002421	8.388853	69.65009	.6189576	.0195775
#2	6.133420	-.012280	8.148265	101.0667	.5826911	.0209532
#3	6.339543	.003929	8.262655	54.9255	.4818690	.0218000

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-08 Acquired: 7/11/2025 2:45:49 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8011135	F 1060.345	.2001790	.0002069	.0622759	-.002491
Stddev	.0024363	3.894	.0091842	.0014884	.0055316	.004178
%RSD	.3041101	.3672249	4.587975	719.5086	8.882371	167.6842
#1	.8011071	1063.704	.1895937	-.001096	.0559285	.000741
#2	.7986805	1056.077	.2060298	.001829	.0660673	-.001006
#3	.8035530	1061.253	.2049137	-.000113	.0648319	-.007209

Elem	Sr4077
Units	ppm
Avg	.0089444
Stddev	.0003302
%RSD	3.691539
#1	.0086794
#2	.0093143
#3	.0088395

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3390.797	34624.69	2302.011	2141.380	4869.881
Stddev	58.766	1586.88	38.968	53.497	74.204
%RSD	1.733114	4.583085	1.692765	2.498263	1.523735
#1	3458.376	32849.07	2339.491	2087.647	4955.475
#2	3351.683	35904.36	2304.833	2194.639	4823.699
#3	3362.333	35120.65	2261.709	2141.855	4830.468

Sample Name: Q2481-09DLX10 Acquired: 7/11/2025 2:50:29 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0594889**	**-.004232**	**.0011592**	**.1234624**	**.0432979**	**-.016765**	**.0143308**
Stddev	.0059978	.002673	.0009428	.0055459	.0010377	.022351	.0006233
%RSD	10.08215	63.15489	81.32918	4.491951	2.396555	133.3198	4.349161
#1	.0527839	-.001527	.0022304	.1298058	.0421207	-.042517	.0146600
#2	.0613395	-.006872	.0007918	.1195308	.0436929	-.002409	.0136119
#3	.0643432	-.004297	.0004555	.1210506	.0440801	-.005369	.0147204

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001659**	**.0106953**	**.0277793**	**.0008910**	**-.000030**	**.0045116**	**-.005649**
Stddev	.0001098	.0000258	.0206572	.0013020	.000092	.0005414	.002904
%RSD	66.17778	.2412816	74.36182	146.1185	303.1715	12.00100	51.41591
#1	.0002819	.0106715	.0284498	-.000385	-.000134	.0042494	-.007046
#2	.0000636	.0106916	.0067950	.002217	.000042	.0051342	-.002310
#3	.0001522	.0107227	.0480930	.000841	.000002	.0041511	-.007591

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002742**	**-.032775**	**.0014955**	**3.342563**	**525.1447**	**-.005299**	**10.18475**
Stddev	.0021171	.079151	.0005741	.009358	7.8670	.004276	.04819
%RSD	772.0626	241.4954	38.38588	.2799783	1.498062	80.68214	.4731859
#1	.0026864	.003938	.0015392	3.353116	519.2572	-.003116	10.21737
#2	-.000588	-.123616	.0009008	3.339300	534.0795	-.002556	10.20749
#3	-.001276	.021352	.0020465	3.335272	522.0975	-.010226	10.12940

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.1099271**	**.0165949**	**.0007896**	**2.705360**	**.0303693**	**.0370929**
Stddev	-----	.0053112	.0014125	.0000763	.141535	.0024412	.0034489
%RSD	-----	4.831562	8.511675	9.665405	5.231649	8.038419	9.298035
#1	^ -----	.1096757	.0174947	.0008122	2.852827	.0298192	.0331290
#2	^ -----	.1047460	.0173231	.0007045	2.692638	.0282501	.0387419
#3	^ -----	.1153595	.0149669	.0008520	2.570616	.0330386	.0394077

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-09DLX10 Acquired: 7/11/2025 2:50:29 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0042676	.0806419	.0003845
Stddev	.0087792	.0044127	.0002041
%RSD	205.7168	5.471963	53.07402
#1	.0026248	.0835673	.0003270
#2	.0137521	.0755663	.0002154
#3	-.003574	.0827922	.0006112

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3140.586	29145.33	2286.544	1915.055	3957.641
Stddev	12.140	41.28	33.556	6.036	8.789
%RSD	.3865420	.1416251	1.467547	.3151849	.2220795
#1	3152.120	29102.75	2310.197	1910.918	3967.219
#2	3141.718	29148.09	2248.139	1912.266	3955.758
#3	3127.920	29185.16	2301.297	1921.981	3949.946

Sample Name: Q2481-10DLX5 Acquired: 7/11/2025 2:55:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0158836**	**-.002832**	**.0011564**	**.0314131**	**.0227434**	**.0006173**
Stddev	.0022787	.003429	.0017419	.0066160	.0016755	.0133071
%RSD	14.34602	121.0681	150.6291	21.06123	7.366754	2155.557
#1	.0185122	-.003649	.0027459	.0274598	.0246671	-.013877
#2	.0144668	-.005779	.0014291	.0390510	.0216037	.012283
#3	.0146720	.000931	-.000706	.0277285	.0219594	.003446

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098444**	**.0002807**	**-.000025**	**-.006858**	**.0007544**	**-.000304**
Stddev	.0002703	.0001290	.000073	.024995	.0005231	.000238
%RSD	2.746069	45.94857	296.3492	364.4719	69.33433	78.38720
#1	.0099143	.0003425	.000054	-.032900	.0002413	-.000533
#2	.0095460	.0001325	-.000036	-.004612	.0012868	-.000058
#3	.0100730	.0003672	-.000092	.016938	.0007351	-.000320

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015001**	**.0135196**	**.0027518**	**-.042929**	**-.001311**	**.1013890**
Stddev	.0012348	.0005314	.0017199	.103017	.000547	.0061046
%RSD	82.31329	3.930770	62.50103	239.9723	41.70127	6.020924
#1	.0023086	.0140112	.0007659	.043952	-.001464	.1072979
#2	.0021130	.0135919	.0037592	-.016004	-.001765	.1017630
#3	.0000788	.0129557	.0037302	-.156734	-.000704	.0951060

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1995.260**	**-.005173**	**.0065525**	**.6744796**	**.0164390**	**.0012866**
Stddev	19.828	.005318	.0004108	.0117846	.0035755	.0016955
%RSD	.9937686	102.8103	6.269745	1.747211	21.75001	131.7819
#1	2015.202	-.008229	.0067489	.6704977	.0123135	.0013558
#2	1975.547	-.008257	.0060803	.6652019	.0183640	-.000442
#3	1995.030	.000968	.0068283	.6877394	.0186395	.002947

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-10DLX5 Acquired: 7/11/2025 2:55:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001145	F 1125.622	.1477723	.0026920	.0049593	.2372657
Stddev	.0007130	1.027	.0010296	.0011522	.0012174	.0048377
%RSD	622.7041	.0912466	.6967236	42.79960	24.54834	2.038940
#1	.0008760	1126.791	.1480402	.0035496	.0041423	.2319632
#2	-.000537	1124.866	.1466352	.0013824	.0043771	.2414388
#3	.000005	1125.208	.1486413	.0031440	.0063585	.2383952

Elem	Sr4077
Units	ppm
Avg	.0095704
Stddev	.0004126
%RSD	4.311676
#1	.0098713
#2	.0097398
#3	.0091000

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2976.863	27313.02	2251.920	1812.744	3670.524
Stddev	1.742	107.53	15.098	14.799	.969
%RSD	.0585340	.3936951	.6704355	.8163930	.0263886
#1	2978.763	27274.90	2234.536	1797.072	3670.859
#2	2975.340	27229.75	2259.476	1814.682	3671.280
#3	2976.486	27434.42	2261.749	1826.479	3669.432

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-03DL2X20 Acquired: 7/11/2025 2:59:42 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0267328**	**-.003392**	**.0028360**	**.0667153**	**.0204631**	**.0484306**	**.0021113**
Stddev	.0022749	.002215	.0010723	.0004414	.0025300	.0059353	.0007973
%RSD	8.509854	65.29268	37.81126	.6615957	12.36367	12.25518	37.76550
#1	.0248457	-.002534	.0017879	.0662082	.0231586	.0466908	.0018277
#2	.0292589	-.005907	.0027892	.0669251	.0181398	.0435596	.0014945
#3	.0260939	-.001734	.0039310	.0670127	.0200911	.0550413	.0030116

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000357**	**.0092668**	**-.005145**	**.0013945**	**-.000018**	**.0095305**	**-.004040**
Stddev	.0002109	.0000161	.023845	.0009825	.000320	.0006852	.000962
%RSD	590.4345	.1737907	463.4380	70.45811	1800.395	7.189491	23.80804
#1	.0001503	.0092543	.018113	.0025164	-.000309	.0099259	-.004923
#2	-.000208	.0092611	-.029536	.0006878	-.000070	.0087393	-.003015
#3	.000165	.0092849	-.004013	.0009792	.000325	.0099262	-.004183

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000975**	**.0025310**	**-.000333**	**3.309008**	**430.0078**	**-.006415**	**13.24479**
Stddev	.0003186	.0236061	.000236	.080525	3.9626	.020392	.04468
%RSD	326.6503	932.6825	70.78813	2.433498	.9215288	317.8796	.3373278
#1	-.000168	.0220907	-.000599	3.392072	434.2162	.014516	13.21463
#2	.000010	.0091922	-.000147	3.303662	426.3481	-.007539	13.22363
#3	.000451	-.023690	-.000255	3.231289	429.4590	-.026223	13.29612

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**^ *****	**.0731256**	**.0092333**	**.0001733**	**10.89295**	**.1895911**	**.0287877**
Stddev	-----	.0013171	.0014347	.0009257	.03474	.0013695	.0005235
%RSD	-----	1.801180	15.53783	534.0505	.3189538	.7223442	1.818582
#1	^ -----	.0741031	.0107537	-.000840	10.87638	.1891706	.0288799
#2	^ -----	.0716278	.0090430	.000975	10.86958	.1911215	.0282242
#3	^ -----	.0736458	.0079034	.000384	10.93287	.1884811	.0292591

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2481-03DL2X20 Acquired: 7/11/2025 2:59:42 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0064195	.0871189	.0047679
Stddev	.0030853	.0120898	.0001477
%RSD	48.06111	13.87742	3.096766
#1	.0038678	.0934228	.0046559
#2	.0055424	.0947540	.0049352
#3	.0098484	.0731799	.0047125

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3265.810	30459.19	2325.080	1981.420	4151.790
Stddev	4.534	89.26	15.586	10.178	8.351
%RSD	.1388393	.2930605	.6703305	.5136928	.2011420
#1	3261.102	30369.17	2307.115	1992.901	4147.760
#2	3270.148	30460.73	2334.994	1977.860	4161.392
#3	3266.181	30547.68	2333.130	1973.500	4146.218

Sample Name: Q2487-11DLX5 Acquired: 7/11/2025 3:04:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0687596**	**.0114868**	**8.626525**	**.0563478**	**.0706094**	**25.55558**
Stddev	.0025976	.0006943	.012261	.0075861	.0029891	.04800
%RSD	3.777822	6.044536	.1421339	13.46297	4.233364	.1878328
#1	.0691494	.0122874	8.633738	.0640993	.0721411	25.60959
#2	.0659891	.0111224	8.612368	.0489387	.0671648	25.51779
#3	.0711403	.0110505	8.633470	.0560055	.0725221	25.53937

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.801505**	**.0049339**	**.0135724**	**144.1925**	**.3495219**	**.2071703**
Stddev	.012871	.0001317	.0002410	.4517	.0022504	.0004445
%RSD	.3385718	2.668863	1.775394	.3132432	.6438527	.2145623
#1	3.797619	.0048714	.0134606	144.4225	.3474829	.2066580
#2	3.815871	.0050852	.0134076	144.4828	.3491462	.2073985
#3	3.791025	.0048451	.0138489	143.6721	.3519365	.2074544

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.130453**	**263.0412**	**1.673938**	**25.65804**	**.1685912**	**.1212684**
Stddev	.012298	4.1370	.008620	.06173	.0005406	.0046610
%RSD	.3928440	1.572744	.5149351	.2405734	.3206699	3.843549
#1	3.140216	264.2527	1.672571	25.68715	.1689010	.1256333
#2	3.134501	266.4372	1.683160	25.69983	.1689056	.1218127
#3	3.116641	258.4338	1.666084	25.58714	.1679669	.1163591

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.858596**	**.1185559**	F **21.79513**	**4.678890**	**1.504553**	**.2726273**
Stddev	.031557	.0064723	.09208	.013274	.007727	.0056719
%RSD	.5386364	5.459264	.4224605	.2836934	.5135585	2.080475
#1	5.887043	.1252654	21.84949	4.682868	1.498964	.2738810
#2	5.864093	.1123503	21.84708	4.689720	1.501324	.2775674
#3	5.824652	.1180521	21.68882	4.664083	1.513371	.2664334

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2487-11DLX5 Acquired: 7/11/2025 3:04:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2959197**	**8.527079**	**5.336152**	**2.390583**	**1.195987**	**.0132848**
Stddev	.0004910	.021723	.028468	.001692	.007302	.0075926
%RSD	.1659329	.2547541	.5334848	.0707872	.6105793	57.15239
#1	.2961171	8.543727	5.360360	2.389134	1.188344	.0168281
#2	.2962813	8.502506	5.343305	2.390173	1.202893	.0045683
#3	.2953607	8.535003	5.304790	2.392443	1.196723	.0184579

Elem	Sr4077
Units	ppm
Avg	**.5904142**
Stddev	.0017663
%RSD	.2991600
#1	.5909878
#2	.5918223
#3	.5884324

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3557.476**	**33955.29**	**2419.188**	**2146.210**	**4695.010**
Stddev	9.047	160.33	19.987	11.471	16.443
%RSD	.2542976	.4721857	.8261783	.5344777	.3502249
#1	3567.577	33988.14	2422.629	2151.995	4713.784
#2	3550.120	33781.07	2397.705	2132.998	4688.080
#3	3554.730	34096.64	2437.232	2153.637	4683.167

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2487-16DLX5 Acquired: 7/11/2025 3:08:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1069982**	**.0133212**	**6.706103**	**.0482893**	**.0285811**	**26.48915**
Stddev	.0008356	.0010373	.005205	.0076669	.0004892	.04090
%RSD	.7809399	7.786860	.0776116	15.87703	1.711694	.1544020
#1	.1078995	.0133691	6.710452	.0489549	.0288294	26.49578
#2	.1062493	.0122608	6.707520	.0403113	.0280175	26.44534
#3	.1068458	.0143337	6.700336	.0556017	.0288964	26.52632

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.665496**	**.0049289**	**.0138639**	**141.9261**	**.5131419**	**.2284014**
Stddev	.009046	.0001565	.0001017	.1642	.0021990	.0003742
%RSD	.3393590	3.174985	.7333464	.1156770	.4285361	.1638270
#1	2.658586	.0047784	.0138305	141.7565	.5107074	.2288307
#2	2.662166	.0049176	.0139781	141.9375	.5149841	.2282292
#3	2.675734	.0050907	.0137832	142.0843	.5137340	.2281444

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.833651**	**254.1978**	**1.835937**	**19.91275**	**.1155301**	**.0584830**
Stddev	.008449	1.1759	.007507	.17453	.0009664	.0021928
%RSD	.2981636	.4625883	.4089044	.8764565	.8364745	3.749444
#1	2.828547	255.5541	1.827696	19.88254	.1149564	.0610107
#2	2.829003	253.4647	1.842386	19.75530	.1166458	.0573473
#3	2.843403	253.5746	1.837728	20.10041	.1149880	.0570910

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.620435**	**.1161786**	F **23.85677**	**4.308588**	**2.276469**	**.1966727**
Stddev	.013955	.0020926	.02462	.015263	.012097	.0022828
%RSD	.3854423	1.801160	.1032012	.3542570	.5313768	1.160731
#1	3.614184	.1143375	23.87465	4.292214	2.288717	.1989667
#2	3.636423	.1184544	23.86698	4.322421	2.276160	.1944011
#3	3.610699	.1157440	23.82869	4.311129	2.264530	.1966503

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2487-16DLX5 Acquired: 7/11/2025 3:08:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2500234	F 23.19793	6.370597	2.426679	1.275321	-.002216
Stddev	.0010401	.03685	.013343	.003511	.009079	.006285
%RSD	.4159861	.1588462	.2094401	.1446784	.7118875	283.6730
#1	.2507252	23.23223	6.360233	2.430531	1.275695	-.003582
#2	.2488285	23.20258	6.365907	2.425846	1.266061	-.007706
#3	.2505166	23.15897	6.385651	2.423659	1.284207	.004640

Elem	Sr4077
Units	ppm
Avg	.6923658
Stddev	.0007531
%RSD	.1087784
#1	.6915016
#2	.6927142
#3	.6928817

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3578.706	34288.13	2458.908	2148.331	4721.445
Stddev	4.674	147.75	5.246	6.473	5.888
%RSD	.1305978	.4308929	.2133633	.3013056	.1247045
#1	3579.787	34291.37	2464.886	2142.497	4728.231
#2	3582.744	34138.78	2455.069	2147.201	4717.692
#3	3573.586	34434.22	2456.769	2155.294	4718.413

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV07 Acquired: 7/11/2025 3:17:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.641234**	**4.714706**	**4.670011**	**4.672621**	**4.708521**	**9.391441**	**9.536893**
Stddev	.013105	.015251	.021828	.011347	.003346	.035186	.062177
%RSD	.2823586	.3234719	.4674148	.2428442	.0710682	.3746641	.6519639
#1	4.631650	4.698915	4.651297	4.668467	4.706598	9.401590	9.577781
#2	4.635884	4.715850	4.664746	4.663936	4.706579	9.352296	9.567558
#3	4.656167	4.729352	4.693990	4.685460	4.712384	9.420437	9.465340

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2364063**	**2.334242**	**23.74515**	**.9609536**	**2.332375**	**1.178931**	**4.634404**
Stddev	.0016320	.008936	.04175	.0014479	.006605	.005905	.049401
%RSD	.6903244	.3828343	.1758124	.1506756	.2831784	.5009183	1.065964
#1	.2382747	2.326416	23.74593	.9609740	2.327881	1.185153	4.688698
#2	.2356846	2.332330	23.78650	.9623913	2.329286	1.173403	4.622407
#3	.2352597	2.343979	23.70301	.9594956	2.339958	1.178238	4.592106

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.396387**	**23.59948**	**2.320122**	**1.196335**	**24.18393**	**2.416878**	**2.383144**
Stddev	.018742	.23413	.006315	.003300	.17445	.023667	.010805
%RSD	.7821048	.9921172	.2721882	.2758537	.7213576	.9792488	.4533992
#1	2.414276	23.49616	2.314834	1.192533	24.38534	2.430676	2.389842
#2	2.397991	23.43478	2.318416	1.198015	24.08000	2.430409	2.370679
#3	2.376895	23.86750	2.327114	1.198457	24.08646	2.389550	2.388910

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.78673**	**4.701549**	**4.759130**	**4.708223**	**4.671103**	**4.756574**	**4.686549**
Stddev	.23436	.022841	.033927	.001662	.026382	.032342	.021649
%RSD	.9852706	.4858167	.7128779	.0352906	.5647832	.6799427	.4619388
#1	24.04752	4.684354	4.798291	4.707108	4.647031	4.793041	4.662178
#2	23.71892	4.692827	4.738646	4.710133	4.666971	4.731367	4.693915
#3	23.59374	4.727466	4.740452	4.707429	4.699306	4.745314	4.703553

Sample Name: CCV07 Acquired: 7/11/2025 3:17:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.753327**	**4.753011**	**4.769916**
Stddev	.028055	.014270	.018565
%RSD	.5902136	.3002245	.3892066
#1	4.770158	4.738424	4.783644
#2	4.768881	4.753668	4.777310
#3	4.720940	4.766941	4.748793

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3492.015**	**33823.43**	**2393.078**	**2103.009**	**4695.497**
Stddev	6.809	47.60	15.094	7.078	7.557
%RSD	.1949984	.1407435	.6307358	.3365542	.1609374
#1	3493.696	33873.67	2375.649	2102.005	4702.622
#2	3484.523	33817.63	2401.721	2110.535	4687.572
#3	3497.826	33779.00	2401.863	2096.486	4696.296

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB07 Acquired: 7/11/2025 3:26:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022878**	**-.003164**	**-.000266**	**.0026708**	**.0024136**	**-.028993**
Stddev	.0016748	.000513	.000493	.0003808	.0026182	.003065
%RSD	73.20485	16.21039	185.2966	14.25692	108.4741	10.56996
#1	.0007313	-.003063	.000302	.0022773	.0024759	-.032529
#2	.0040600	-.002710	-.000528	.0030374	-.000235	-.027351
#3	.0020721	-.003721	-.000572	.0026976	.005000	-.027099

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003029**	**-.000024**	**-.000097**	**-.010015**	**-.000142**	**-.000403**
Stddev	.000912	.000034	.000057	.007012	.000168	.000232
%RSD	30.10867	145.3033	58.41468	70.01259	118.1285	57.66918
#1	-.003312	-.000056	-.000033	-.001998	-.000334	-.000137
#2	-.003767	.000012	-.000139	-.013045	-.000021	-.000504
#3	-.002009	-.000027	-.000120	-.015003	-.000072	-.000568

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001333**	**-.003419**	**.0096275**	**.0346707**	**.0000492**	**.0045696**
Stddev	.000553	.002276	.0020447	.0507926	.0001680	.0008285
%RSD	41.46010	66.54960	21.23794	146.5000	341.1515	18.13144
#1	-.000975	-.005783	.0083653	.0443542	-.000064	.0036201
#2	-.001970	-.003232	.0085307	.0799245	.000242	.0049432
#3	-.001055	-.001243	.0119866	-.020267	-.000030	.0051456

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.011774**	**-.008781**	**.0004431**	**-.008501**	**.0001938**	**.0019256**
Stddev	.011152	.004883	.0002388	.002521	.0015026	.0005837
%RSD	94.71631	55.60274	53.89093	29.65393	775.3522	30.31536
#1	-.021261	-.011907	.0005759	-.007724	-.001534	.0014662
#2	-.014571	-.011283	.0005859	-.011319	.001191	.0025824
#3	.000510	-.003155	.0001674	-.006460	.000925	.0017281

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB07 Acquired: 7/11/2025 3:26:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000051	F .0390958	-.002480	-.006484	.0069242	F -.045363
Stddev	.000411	.0036211	.000295	.000378	.0012115	.007637
%RSD	799.2897	9.262019	11.90174	5.836531	17.49644	16.83456
#1	.000290	.0388995	-.002327	-.006337	.0076809	-.052116
#2	-.000508	.0428110	-.002293	-.006200	.0075648	-.037076
#3	.000063	.0355768	-.002820	-.006914	.0055269	-.046898

Elem	Sr4077
Units	ppm
Avg	-.000158
Stddev	.000275
%RSD	174.2807
#1	-.000413
#2	.000133
#3	-.000194

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3728.070	36308.51	2409.385	2248.552	5579.450
Stddev	7.576	91.76	3.569	4.168	11.265
%RSD	.2032018	.2527317	.1481461	.1853505	.2018989
#1	3724.184	36332.14	2409.009	2253.119	5578.466
#2	3736.800	36207.24	2406.018	2244.955	5591.175
#3	3723.226	36386.14	2413.127	2247.582	5568.710

Sample Name: Q2487-14DLX5 Acquired: 7/11/2025 3:30:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0631883**	**.0119868**	**11.18022**	**.0341887**	**.1003892**	**31.37946**
Stddev	.0054851	.0013128	.02031	.0026501	.0013872	.09321
%RSD	8.680489	10.95246	.1817043	7.751328	1.381789	.2970264
#1	.0695030	.0120256	11.18227	.0311341	.0988254	31.48681
#2	.0604540	.0132798	11.19943	.0355571	.1014711	31.31916
#3	.0596078	.0106549	11.15895	.0358748	.1008713	31.33241

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9371708**	**.0045025**	**.0083915**	**163.0615**	**.1008022**	**.1407192**
Stddev	.0019003	.0000691	.0001455	.6720	.0019199	.0004047
%RSD	.2027694	1.535599	1.733714	.4120977	1.904672	.2875880
#1	.9391363	.0045405	.0085511	163.8307	.1024056	.1403291
#2	.9370329	.0045444	.0083572	162.5883	.1013264	.1406914
#3	.9353432	.0044227	.0082663	162.7656	.0986746	.1411371

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.687602**	**207.6663**	**1.315395**	**16.53467**	**.0871873**	**.0210872**
Stddev	.011547	1.3850	.007625	.05879	.0009389	.0013355
%RSD	.6842036	.6669417	.5797035	.3555370	1.076890	6.333323
#1	1.697809	206.5567	1.322356	16.47290	.0882673	.0223599
#2	1.689926	209.2185	1.316582	16.58993	.0865647	.0212051
#3	1.675070	207.2236	1.307245	16.54118	.0867300	.0196966

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.396302**	**.1076800**	**9.774089**	**3.009265**	**2.317309**	**.1238763**
Stddev	.027755	.0090268	.033950	.038597	.005963	.0030287
%RSD	1.158226	8.382943	.3473506	1.282616	.2573063	2.444914
#1	2.410610	.1091441	9.788265	3.023619	2.317262	.1213685
#2	2.413983	.0980107	9.735348	3.038630	2.323294	.1272411
#3	2.364313	.1158852	9.798654	2.965548	2.311370	.1230192

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2487-14DLX5 Acquired: 7/11/2025 3:30:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0800128	F 45.58062	2.339569	1.144911	1.221730	.0090942
Stddev	.0003003	.05796	.016911	.003356	.006916	.0017954
%RSD	.3752745	.1271643	.7228282	.2931348	.5660514	19.74215
#1	.0802919	45.58460	2.358532	1.141542	1.229044	.0093070
#2	.0796951	45.63649	2.334123	1.148254	1.215297	.0072019
#3	.0800515	45.52078	2.326052	1.144938	1.220847	.0107737

Elem	Sr4077
Units	ppm
Avg	1.011001
Stddev	.004717
%RSD	.4665641
#1	1.016375
#2	1.007547
#3	1.009080

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3592.665	33892.54	2400.294	2140.436	4665.740
Stddev	13.544	92.62	14.329	6.404	12.261
%RSD	.3769981	.2732610	.5969704	.2991938	.2627914
#1	3577.585	33790.17	2387.942	2137.405	4652.759
#2	3596.615	33970.51	2396.935	2147.793	4667.337
#3	3603.795	33916.93	2416.004	2136.110	4677.124

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-21 Acquired: 7/11/2025 3:34:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.010318**	**-.000530**	**.0028843**	**-.005020**	**-.000348**	**-.009418**	**.0281250**
Stddev	.002657	.001825	.0018130	.007085	.002752	.030699	.0028207
%RSD	25.75276	344.3266	62.85730	141.1402	791.3766	325.9655	10.02911
#1	-.013280	-.002127	.0016519	.000759	-.000651	-.044738	.0295078
#2	-.008145	-.000922	.0020349	-.002894	-.002936	.005627	.0248798
#3	-.009528	.001459	.0049661	-.012924	.002543	.010857	.0299875

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000224**	**.0001377**	**13.84873**	**.0002041**	**.0061013**	**.9323694**	**.0665701**
Stddev	.000081	.0000599	.03712	.0005447	.0002630	.0180670	.0012521
%RSD	36.25795	43.49088	.2680328	266.9040	4.310462	1.937748	1.880905
#1	-.000247	.0002066	13.82776	-.000417	.0060956	.9161731	.0662863
#2	-.000290	.0001091	13.89159	.000427	.0058412	.9518551	.0679398
#3	-.000133	.0000975	13.82683	.000602	.0063671	.9290800	.0654843

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0180624**	**2.565855**	**.1498855**	**-.000861**	**23.20670**	**.0065435**	**1.291547**
Stddev	.0011961	.077050	.0003996	.001096	.57588	.0098101	.008194
%RSD	6.621792	3.002878	.2666166	127.2228	2.481515	149.9218	.6344199
#1	.0194423	2.496989	.1503386	-.002000	22.99364	.0152022	1.282103
#2	.0173224	2.649070	.1497345	.000185	23.85875	-.004111	1.295765
#3	.0174226	2.551507	.1495834	-.000769	22.76772	.008539	1.296773

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.253152**	**1.171846**	**.0054465**	**-.002742**	**2.022930**	**1.954940**	**-.006342**
Stddev	.035299	.003804	.0008905	.000595	.008441	.047117	.000460
%RSD	2.816813	.3246371	16.34991	21.69748	.4172561	2.410175	7.247314
#1	1.248312	1.172639	.0044941	-.002057	2.032162	1.914335	-.006275
#2	1.290622	1.167708	.0055872	-.003037	2.015608	2.006603	-.006831
#3	1.220523	1.175192	.0062584	-.003132	2.021021	1.943881	-.005920

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-21 Acquired: 7/11/2025 3:34:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0053914	-.049557	.0517945
Stddev	.0054146	.008482	.0004637
%RSD	100.4286	17.11629	.8951742
#1	.0067266	-.045411	.0519943
#2	-.000566	-.059315	.0512645
#3	.010014	-.043946	.0521248

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3577.965	34736.34	2377.342	2141.161	5188.623
Stddev	6.509	111.65	45.222	.529	13.029
%RSD	.1819073	.3214221	1.902200	.0247257	.2511125
#1	3570.797	34639.72	2408.912	2141.450	5175.527
#2	3583.504	34710.73	2325.536	2140.550	5201.584
#3	3579.595	34858.57	2397.579	2141.483	5188.758

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-22 Acquired: 7/11/2025 3:39:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004633**	**.0008249**	**.0019721**	**-.004897**	**.0006842**	**-.003125**	**.0254623**
Stddev	.005459	.0013860	.0006320	.003320	.0038126	.003532	.0011230
%RSD	117.8337	168.0184	32.04889	67.80309	557.1938	113.0280	4.410385
#1	-.000319	.0005861	.0020362	-.008716	-.003248	.000939	.0254984
#2	-.002809	.0023148	.0013104	-.002700	.004365	-.005452	.0265668
#3	-.010771	-.000426	.0025696	-.003274	.000935	-.004862	.0243217

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000046**	**-.000121**	**13.44304**	**.0006598**	**.0056185**	**.1997864**	**.0669168**
Stddev	.000066	.000020	.00704	.0006144	.0003267	.0047965	.0013290
%RSD	142.4871	16.21001	.0523731	93.12152	5.814092	2.400808	1.986098
#1	-.000007	-.000141	13.43492	.0011814	.0059918	.1975334	.0657432
#2	-.000010	-.000102	13.44682	-.000017	.0054789	.2052946	.0666472
#3	-.000123	-.000120	13.44739	.000815	.0053848	.1965312	.0683600

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0114569**	**2.530379**	**.0084416**	**-.000878**	**23.75627**	**-.008940**	**.0112652**
Stddev	.0019952	.067489	.0001482	.000797	.49926	.013033	.0004568
%RSD	17.41515	2.667169	1.755182	90.73300	2.101610	145.7866	4.054914
#1	.0126532	2.452533	.0082786	-.000270	23.42442	-.023756	.0117279
#2	.0091536	2.566169	.0084782	-.001780	24.33045	.000753	.0108146
#3	.0125640	2.572436	.0085681	-.000584	23.51393	-.003817	.0112531

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.265944**	**1.371542**	**.0036873**	**-.002719**	**2.026487**	**1.991748**	**-.007499**
Stddev	.028941	.004046	.0033289	.000283	.002678	.048907	.001048
%RSD	2.286119	.2949989	90.28208	10.39220	.1321640	2.455502	13.98059
#1	1.244836	1.373399	.0075095	-.002878	2.024570	1.960608	-.008702
#2	1.298936	1.366901	.0021294	-.002392	2.025344	2.048119	-.006783
#3	1.254061	1.374326	.0014229	-.002885	2.029547	1.966519	-.007011

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-22 Acquired: 7/11/2025 3:39:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0021693	-.052990	.0493149
Stddev	.0046961	.006006	.0001268
%RSD	216.4798	11.33523	.2570762
#1	.0031408	-.046100	.0493203
#2	-.002937	-.057124	.0491855
#3	.006304	-.055745	.0494389

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3616.459	34995.42	2365.381	2174.631	5234.712
Stddev	1.385	73.40	57.910	7.547	7.682
%RSD	.0383079	.2097365	2.448248	.3470604	.1467565
#1	3617.089	34911.27	2388.636	2167.789	5225.866
#2	3614.870	35028.73	2299.458	2173.377	5239.707
#3	3617.417	35046.26	2408.048	2182.727	5238.563

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-23 Acquired: 7/11/2025 3:43:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001942**	**-.000529**	**.0042529**	**-.002865**	**.0020102**	**.0074375**	**.0277479**
Stddev	.002595	.001614	.0031830	.002189	.0049624	.0158880	.0011213
%RSD	133.5929	305.1700	74.84219	76.38294	246.8646	213.6202	4.040888
#1	.000380	.000700	.0041680	-.003712	.0008100	-.001158	.0265730
#2	-.001463	.000070	.0074775	-.000380	.0074626	.025771	.0288065
#3	-.004743	-.002357	.0011133	-.004504	-.002242	-.002301	.0278642

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000135**	**-.000098**	**13.83306**	**.0011707**	**.0057516**	**.2350333**	**.0896138**
Stddev	.000113	.000032	.07595	.0004174	.0001915	.0037109	.0016742
%RSD	83.29275	32.85283	.5490256	35.65043	3.329859	1.578868	1.868267
#1	-.000045	-.000083	13.92048	.0007118	.0059663	.2378924	.0880366
#2	-.000099	-.000135	13.79546	.0012729	.0055984	.2363677	.0894342
#3	-.000261	-.000076	13.78325	.0015275	.0056902	.2308397	.0913706

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0268402**	**2.545667**	**.0095698**	**-.001137**	**24.33848**	**.0002406**	**.0212648**
Stddev	.0023635	.074800	.0003652	.000699	.23019	.0045499	.0007218
%RSD	8.805854	2.938319	3.815832	61.50368	.9457982	1891.229	3.394161
#1	.0286678	2.606260	.0099753	-.001589	24.58513	-.003508	.0208397
#2	.0241711	2.568674	.0094674	-.001489	24.30096	.005303	.0208566
#3	.0276818	2.462066	.0092669	-.000331	24.12935	-.001073	.0220982

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.308558**	**1.405735**	**.0025655**	**-.003049**	**2.093181**	**2.069717**	**.0041037**
Stddev	.012316	.002700	.0004028	.000265	.004027	.018394	.0005194
%RSD	.9412199	.1920819	15.70172	8.676171	.1923947	.8887098	12.65709
#1	1.322257	1.408837	.0029750	-.003337	2.092674	2.082018	.0046975
#2	1.305017	1.403912	.0025516	-.002992	2.089432	2.078561	.0038801
#3	1.298400	1.404456	.0021697	-.002818	2.097438	2.048572	.0037336

Sample Name: Q2520-23 Acquired: 7/11/2025 3:43:41 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0083386	-.055758	.0506255
Stddev	.0026870	.003393	.0002778
%RSD	32.22346	6.085005	.5487880
#1	.0076434	-.053465	.0503073
#2	.0113049	-.059655	.0507492
#3	.0060676	-.054153	.0508200

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3613.744	35001.18	2362.629	2174.895	5223.614
Stddev	12.231	195.36	14.018	12.022	14.651
%RSD	.3384527	.5581453	.5933107	.5527642	.2804803
#1	3617.855	35195.78	2355.370	2187.450	5224.106
#2	3623.389	35002.67	2353.730	2173.746	5238.014
#3	3599.987	34805.08	2378.788	2163.488	5208.724

Sample Name: PB168771BL Acquired: 7/11/2025 3:48:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010826**	**-.002667**	**-.000467**	**.0040606**	**.0024083**	**-.025752**
Stddev	.0032718	.000414	.000558	.0006305	.0036462	.036781
%RSD	302.2157	15.50698	119.3288	15.52823	151.3996	142.8305
#1	.0045337	-.002759	-.000951	.0038617	.0061219	-.025024
#2	-.001974	-.003026	-.000594	.0047666	.0022697	.010660
#3	.000688	-.002215	.000143	.0035535	-.001167	-.062892

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002151**	**.0000682**	**-.000102**	**.0057305**	**.0006377**	**.0001650**
Stddev	.001875	.0002020	.000025	.0383432	.0007534	.0001482
%RSD	87.13999	296.2700	24.25292	669.1086	118.1420	89.80498
#1	-.000097	-.000093	-.000078	-.000846	.0000570	.0003264
#2	-.003769	.000295	-.000099	-.028899	.0003670	.0001333
#3	-.002589	.000002	-.000127	.046936	.0014891	.0000352

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000790**	**-.005701**	**.0008711**	**-.016919**	**-.000511**	F **.0163174**
Stddev	.000625	.003431	.0018777	.020461	.000250	.0012607
%RSD	79.15274	60.17781	215.5524	120.9364	48.82250	7.726220
#1	-.000470	-.009530	-.000551	-.004873	-.000239	.0177677
#2	-.000389	-.004666	.002999	-.005339	-.000566	.0154837
#3	-.001510	-.002907	.000165	-.040544	-.000729	.0157007

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.011048**	**.0038380**	**.0014714**	**.0162221**	**-.000265**	**-.007731**
Stddev	.006522	.0014845	.0000615	.0002618	.001506	.001155
%RSD	59.03701	38.67875	4.178828	1.614081	568.1114	14.94473
#1	-.003672	.0021242	.0015403	.0159209	.000674	-.007266
#2	-.013418	.0047238	.0014517	.0163499	-.002002	-.006880
#3	-.016053	.0046661	.0014221	.0163955	.000533	-.009046

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: PB168771BL Acquired: 7/11/2025 3:48:04 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000187	F .0499741	-.003298	-.005567	.0012245	F -.034926
Stddev	.000565	.0038828	.001421	.001147	.0080384	.004078
%RSD	301.4367	7.769714	43.08541	20.59602	656.4496	11.67765
#1	-.000714	.0510360	-.002324	-.006677	-.008010	-.030382
#2	.000410	.0532155	-.002641	-.004387	.005031	-.038270
#3	-.000258	.0456708	-.004928	-.005637	.006653	-.036125

Elem	Sr4077
Units	ppm
Avg	-.000328
Stddev	.000238
%RSD	72.75048
#1	-.000483
#2	-.000053
#3	-.000446

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3656.035	35199.51	2355.137	2199.427	5421.516
Stddev	9.648	85.58	9.885	6.155	8.842
%RSD	.2638911	.2431241	.4197143	.2798585	.1630844
#1	3650.150	35292.02	2345.255	2197.844	5414.557
#2	3667.170	35123.17	2355.133	2194.217	5431.465
#3	3650.786	35183.33	2365.024	2206.219	5418.526

Sample Name: PB168771BS Acquired: 7/11/2025 3:52:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7203884**	**1.990545**	**.9491558**	**1.945627**	**.7766234**	**2.010171**
Stddev	.0047149	.002984	.0026014	.004389	.0036893	.016480
%RSD	.6544929	.1498844	.2740776	.2255799	.4750389	.8198273
#1	.7191146	1.987137	.9464192	1.943286	.7794230	2.027863
#2	.7164413	1.991809	.9515968	1.942905	.7724429	1.995256
#3	.7256094	1.992688	.9494514	1.950690	.7780043	2.007393

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2044426**	**.2123425**	**.1888695**	**1.000340**	**.4155421**	**.1938499**
Stddev	.0011648	.0010644	.0000805	.029033	.0013362	.0003237
%RSD	.5697293	.5012764	.0426004	2.902325	.3215664	.1669926
#1	.2041250	.2134302	.1888388	.980287	.4142387	.1942209
#2	.2057332	.2122943	.1888090	.987100	.4154787	.1936245
#3	.2034695	.2113030	.1889608	1.033633	.4169089	.1937045

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3308797**	**3.387282**	**.2099928**	**2.078478**	**.4840728**	F **.0860080**
Stddev	.0015022	.017766	.0033460	.061286	.0006082	.0008006
%RSD	.4540134	.5244781	1.593402	2.948602	.1256503	.9308960
#1	.3319606	3.406052	.2138562	2.013962	.4838792	.0860196
#2	.3291643	3.385064	.2080217	2.135921	.4835849	.0852017
#3	.3315141	3.370729	.2081005	2.085550	.4847543	.0868028

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.290175**	**.3112877**	**.2095032**	**9.754514**	**5.517638**	**.3058371**
Stddev	.036120	.0056908	.0010932	.183642	.007310	.0013905
%RSD	1.097805	1.828135	.5217853	1.882636	.1324848	.4546395
#1	3.312803	.3092037	.2095109	9.965002	5.513647	.3042316
#2	3.248519	.3177266	.2084062	9.627012	5.526074	.3066452
#3	3.309203	.3069326	.2105924	9.671528	5.513191	.3066347

Sample Name: PB168771BS Acquired: 7/11/2025 3:52:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3837835	F .0376341	.9521652	.6511508	.1958716	.1821934
Stddev	.0007092	.0011614	.0032949	.0006874	.0003872	.0070171
%RSD	.1847856	3.086076	.3460442	.1055667	.1976906	3.851436
#1	.3846020	.0384317	.9559469	.6518163	.1960854	.1875580
#2	.3833948	.0381688	.9499133	.6504434	.1961048	.1742523
#3	.3833536	.0363016	.9506354	.6511926	.1954247	.1847699

Elem	Sr4077
Units	ppm
Avg	.2052294
Stddev	.0005668
%RSD	.2762002
#1	.2056050
#2	.2055058
#3	.2045773

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3652.766	35081.37	2375.725	2197.660	5242.467
Stddev	8.891	149.48	2.022	9.013	11.251
%RSD	.2433931	.4261075	.0851304	.4101371	.2146146
#1	3645.932	35233.87	2373.391	2206.769	5232.971
#2	3662.817	35075.14	2376.952	2197.464	5254.893
#3	3649.547	34935.09	2376.833	2188.746	5239.536

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-01 Acquired: 7/11/2025 3:56:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004056**	**-.002762**	**-.003646**	**-.000950**	**.0039018**	**-.021509**	**.0264044**
Stddev	.001662	.001458	.001943	.003860	.0012409	.015976	.0009217
%RSD	40.98862	52.80944	53.29459	406.2065	31.80253	74.27750	3.490766
#1	-.004422	-.001089	-.001664	.003492	.0024783	-.005478	.0260939
#2	-.002241	-.003767	-.005547	-.003490	.0047553	-.037430	.0256780
#3	-.005504	-.003429	-.003726	-.002853	.0044717	-.021617	.0274412

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000084**	**-.000104**	**13.14440**	**.0004086**	**.0059308**	**5.286944**	**.0361643**
Stddev	.000118	.000121	.02212	.0010775	.0008699	.013596	.0000576
%RSD	139.7145	117.0482	.1682546	263.7295	14.66674	.2571631	.1591526
#1	-.000128	-.000007	13.13350	.0008869	.0052513	5.298995	.0361157
#2	-.000174	-.000064	13.16985	-.000825	.0056300	5.289631	.0362279
#3	.000049	-.000240	13.12986	.001164	.0069112	5.272205	.0361495

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063741**	**2.316092**	**.1453402**	**-.000615**	**25.02943**	**-.002675**	**.0544657**
Stddev	.0035446	.028587	.0011449	.001176	.61254	.010385	.0009500
%RSD	55.61024	1.234273	.7877110	191.2232	2.447287	388.2591	1.744298
#1	.0095298	2.301629	.1441153	.000359	24.66141	.007579	.0555331
#2	.0025389	2.297627	.1455223	-.000283	25.73654	-.013185	.0537128
#3	.0070535	2.349021	.1463832	-.001922	24.69035	-.002418	.0541512

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.340041**	**.6512624**	**.0046967**	**-.002148**	**2.000707**	**1.927436**	**-.007103**
Stddev	.050155	.0233913	.0023559	.000148	.087217	.006756	.000990
%RSD	3.742817	3.591689	50.16146	6.874536	4.359306	.3505417	13.93466
#1	1.316431	.6242655	.0047167	-.002282	1.900014	1.925915	-.005960
#2	1.397644	.6654891	.0070427	-.002172	2.049495	1.934824	-.007683
#3	1.306047	.6640325	.0023309	-.001990	2.052614	1.921570	-.007665

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-01 Acquired: 7/11/2025 3:56:53 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001667	-.053852	.0500204
Stddev	.003134	.007656	.0005381
%RSD	188.0735	14.21624	1.075735
#1	-.003995	-.060805	.0506282
#2	.001897	-.055104	.0498285
#3	-.002901	-.045647	.0496046

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3476.969	34440.70	2356.571	2138.582	4973.691
Stddev	80.840	146.98	5.903	6.021	148.995
%RSD	2.325028	.4267516	.2505088	.2815481	2.995665
#1	3570.137	34610.26	2355.630	2145.255	5145.551
#2	3425.395	34362.05	2351.194	2136.934	4880.866
#3	3435.374	34349.78	2362.888	2133.556	4894.655

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-02 Acquired: 7/11/2025 4:01:15 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.007386**	**-.002121**	**.0017060**	**-.006977**	**.0023837**	**-.003051**	**.0300125**
Stddev	.002635	.003365	.0026518	.004101	.0013282	.026735	.0014682
%RSD	35.67608	158.7074	155.4399	58.77963	55.71996	876.2041	4.891941
#1	-.004366	.001495	-.001048	-.010852	.0026048	-.007746	.0315976
#2	-.009213	-.002694	.001923	-.002682	.0009589	-.027127	.0286992
#3	-.008581	-.005162	.004242	-.007397	.0035875	.025720	.0297407

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000522**	**-.000079**	**14.16386**	**.0006010**	**.0061541**	**.9227315**	**.0717152**
Stddev	.0001211	.000074	.02416	.0002431	.0003963	.0426954	.0069895
%RSD	232.2464	93.17717	.1705472	40.44676	6.439605	4.627066	9.746185
#1	.0001608	-.000115	14.13862	.0003339	.0058241	.9468976	.0732219
#2	-.000078	-.000128	14.16620	.0006599	.0065936	.9478626	.0778284
#3	.000074	.000006	14.18676	.0008092	.0060445	.8734342	.0640952

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0235602**	**2.638552**	**.0542913**	**.0005997**	**24.74270**	**.0029425**	**.0166765**
Stddev	.0016119	.132092	.0013696	.0003371	.26522	.0074589	.0005529
%RSD	6.841445	5.006230	2.522587	56.22098	1.071900	253.4852	3.315460
#1	.0251512	2.532388	.0543500	.0003953	24.54086	.0109175	.0164204
#2	.0236011	2.786477	.0528934	.0004149	24.64417	-.003862	.0162981
#3	.0219283	2.596792	.0556306	.0009888	25.04308	.001772	.0173111

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	**.8856433**	**.0029616**	**-.002539**	**2.197658**	**2.080178**	**-.006448**
Stddev	-----	.0339811	.0019780	.000595	.103536	.070073	.000258
%RSD	-----	3.836879	66.78586	23.45230	4.711210	3.368626	3.995232
#1	1.333924	.8466488	.0049288	-.003173	2.081399	2.120362	-.006305
#2	1.350978	.9089202	.0009731	-.001991	2.279925	2.120906	-.006745
#3	^ -----	.9013608	.0029830	-.002452	2.231650	1.999264	-.006293

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-02 Acquired: 7/11/2025 4:01:15 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0025149	-.050403	.0542156
Stddev	.0006296	.001794	.0004163
%RSD	25.03464	3.558341	.7678855
#1	.0032411	-.048780	.0537914
#2	.0021236	-.050102	.0542319
#3	.0021799	-.052329	.0546236

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3413.657	32893.51	2332.119	2072.078	4918.805
Stddev	127.204	1849.03	14.642	71.235	206.635
%RSD	3.726338	5.621273	.6278450	3.437866	4.200917
#1	3528.430	33870.58	2320.542	2120.501	5121.452
#2	3276.889	34049.04	2327.236	2105.450	4708.401
#3	3435.653	30760.92	2348.579	1990.283	4926.563

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-03 Acquired: 7/11/2025 4:05:39 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006832**	**-.001504**	**.0032525**	**-.002630**	**.0030918**	**.1539091**	**.0030731**
Stddev	.003432	.001039	.0004170	.002414	.0012879	.0498141	.0018736
%RSD	50.23332	69.08517	12.81939	91.80924	41.65639	32.36592	60.96671
#1	-.005201	-.000589	.0029622	-.001989	.0016262	.0975741	.0048028
#2	-.004520	-.001288	.0030651	-.000600	.0036061	.1720157	.0033336
#3	-.010775	-.002633	.0037303	-.005300	.0040431	.1921374	.0010829

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000010**	**-.000071**	**16.19382**	**.0010381**	**.0066106**	**.0618149**	**.0208062**
Stddev	.000156	.000058	.02923	.0006356	.0002420	.0012867	.0043149
%RSD	1529.619	81.11459	.1805258	61.22486	3.660412	2.081580	20.73857
#1	-.000040	-.000119	16.16127	.0011609	.0068657	.0632999	.0234518
#2	.000159	-.000007	16.21785	.0003501	.0063843	.0610321	.0158270
#3	-.000149	-.000087	16.20235	.0016033	.0065819	.0611126	.0231397

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044906**	**.2236730**	**-.001221**	**-.001466**	**5.467583**	**.0013776**	**.0236030**
Stddev	.0029381	.0457038	.000546	.000378	.053362	.0098114	.0002227
%RSD	65.42718	20.43333	44.70982	25.81976	.9759685	712.1921	.9435806
#1	.0078828	.1777897	-.001823	-.001880	5.501448	.0087557	.0233896
#2	.0027502	.2240340	-.000760	-.001139	5.406070	.0051342	.0238340
#3	.0028388	.2691953	-.001079	-.001378	5.495229	-.009757	.0235853

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6117551**	**.1483248**	**.0044069**	**-.002564**	**.3083149**	**.1733507**	**-.006566**
Stddev	.0068169	.0019682	.0014194	.000392	.0010297	.0062381	.001411
%RSD	1.114314	1.326974	32.20753	15.27766	.3339734	3.598511	21.49032
#1	.6149238	.1498483	.0037229	-.002650	.3089000	.1780332	-.005213
#2	.6039306	.1490235	.0034591	-.002136	.3071260	.1757497	-.006457
#3	.6164109	.1461025	.0060387	-.002906	.3089188	.1662693	-.008028

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-03 Acquired: 7/11/2025 4:05:39 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0041161	-.046936	.0405206
Stddev	.0044173	.002911	.0002773
%RSD	107.3158	6.202655	.6842762
#1	.0025362	-.046106	.0406331
#2	.0091061	-.044530	.0402047
#3	.0007061	-.050172	.0407239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3640.560	35146.37	2367.486	2180.392	5344.955
Stddev	7.512	247.13	5.418	13.350	8.958
%RSD	.2063390	.7031465	.2288681	.6122556	.1675972
#1	3647.007	35369.34	2370.918	2187.288	5346.968
#2	3632.311	34880.65	2361.239	2165.005	5335.162
#3	3642.361	35189.12	2370.300	2188.883	5352.735

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04 Acquired: 7/11/2025 4:10:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004088**	**-.000363**	**.0036126**	**-.002647**	**.0014650**	**1.027130**	**.0232192**
Stddev	.002394	.001129	.0007789	.005509	.0004882	.020847	.0008567
%RSD	58.55991	311.2089	21.55988	208.1794	33.32543	2.029594	3.689485
#1	-.006848	-.000052	.0027885	.002468	.0012479	1.050158	.0241332
#2	-.002592	.000578	.0037128	-.001927	.0020241	1.021684	.0224346
#3	-.002823	-.001615	.0043365	-.008480	.0011230	1.009546	.0230897

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000029**	**-.000181**	**13.30530**	**-.000408**	**.0058181**	**.6449374**	**.0618343**
Stddev	.000209	.000057	.12951	.000683	.0002496	.0040185	.0024775
%RSD	728.2679	31.72566	.9733531	167.2751	4.290444	.6230891	4.006709
#1	.000211	-.000116	13.44467	-.001007	.0059819	.6403143	.0594386
#2	-.000130	-.000200	13.28255	-.000553	.0059415	.6469035	.0643862
#3	-.000167	-.000226	13.18867	.000335	.0055308	.6475942	.0616781

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0313460**	**2.489398**	**.0002443**	**.0005817**	**24.22880**	**-.000262**	**.0838571**
Stddev	.0014082	.061603	.0003294	.0026319	1.81856	.009555	.0008349
%RSD	4.492427	2.474624	134.8336	452.4306	7.505778	3651.148	.9955873
#1	.0306896	2.560380	.0004790	-.000002	26.31412	.003427	.0845668
#2	.0329626	2.457911	.0003861	-.001709	23.39995	-.011111	.0840674
#3	.0303859	2.449902	-.000132	.003456	22.97231	.006900	.0829372

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**^ *****	**1.098171**	**.0020728**	**-.002970**	**2.012792**	**2.007976**	**-.005052**
Stddev	-----	.015036	.0004185	.000303	.027086	.007876	.000945
%RSD	-----	1.369217	20.18967	10.20577	1.345717	.3922373	18.70186
#1	^ -----	1.086825	.0025146	-.002890	2.004248	2.016584	-.004182
#2	1.233027	1.092463	.0016824	-.003305	1.991007	2.006214	-.004917
#3	1.209361	1.115226	.0020213	-.002715	2.043120	2.001130	-.006057

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-04 Acquired: 7/11/2025 4:10:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0043932	-.051203	.0492652
Stddev	.0028570	.003444	.0001697
%RSD	65.03352	6.726442	.3444783
#1	.0035146	-.053151	.0493307
#2	.0075863	-.053232	.0493924
#3	.0020786	-.047227	.0490725

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3596.112	34614.07	2347.720	2155.272	5196.025
Stddev	21.308	650.90	17.762	17.171	11.153
%RSD	.5925358	1.880453	.7565764	.7966905	.2146503
#1	3580.662	33944.57	2337.497	2157.669	5188.203
#2	3587.254	34653.01	2337.433	2137.028	5191.075
#3	3620.421	35244.63	2368.230	2171.118	5208.796

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV08 Acquired: 7/11/2025 4:18:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.786593**	**4.793358**	**4.816982**	**4.724857**	**4.758633**	**9.522748**	**9.729750**
Stddev	.009383	.008916	.014041	.011622	.012736	.045321	.013775
%RSD	.1960182	.1860047	.2914883	.2459853	.2676332	.4759277	.1415745
#1	4.785346	4.783285	4.801955	4.714195	4.751250	9.486014	9.714659
#2	4.777895	4.800235	4.819227	4.723129	4.751309	9.508835	9.732940
#3	4.796536	4.796556	4.829766	4.737247	4.773339	9.573395	9.741649

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2444227**	**2.400811**	**23.82044**	**.9871037**	**2.387724**	**1.224973**	**4.781406**
Stddev	.0002932	.004916	.09134	.0047208	.003400	.001545	.009369
%RSD	.1199590	.2047563	.3834581	.4782509	.1423932	.1260854	.1959548
#1	.2445241	2.395858	23.87189	.9816660	2.386016	1.223399	4.783348
#2	.2446517	2.400885	23.71498	.9894907	2.385516	1.226486	4.789652
#3	.2440922	2.405689	23.87446	.9901544	2.391639	1.225036	4.771217

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.430055**	**23.71485**	**2.366805**	**1.219993**	**26.77094**	**2.466190**	**2.444567**
Stddev	.009777	.06778	.002790	.003431	.10307	.010409	.008975
%RSD	.4023410	.2858282	.1178881	.2812252	.3849920	.4220878	.3671316
#1	2.418783	23.67280	2.365039	1.216642	26.65426	2.460854	2.434886
#2	2.435146	23.79304	2.365354	1.219837	26.84958	2.459530	2.446203
#3	2.436236	23.67870	2.370021	1.223499	26.80898	2.478185	2.452611

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.58871**	**4.838759**	**4.960511**	**4.740369**	**4.771811**	**4.986514**	**4.816493**
Stddev	.17177	.016235	.008478	.012941	.016921	.014972	.007056
%RSD	.6460082	.3355288	.1709168	.2730031	.3545996	.3002436	.1465038
#1	26.73986	4.820179	4.953873	4.732009	4.755348	4.973941	4.808347
#2	26.40192	4.845885	4.957598	4.733821	4.770930	4.982524	4.820716
#3	26.62434	4.850212	4.970062	4.755275	4.789155	5.003076	4.820417

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV08 Acquired: 7/11/2025 4:18:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.819902**	**4.755408**	**4.842905**
Stddev	.009191	.009508	.005650
%RSD	.1906901	.1999455	.1166681
#1	4.811617	4.752500	4.838031
#2	4.818299	4.747693	4.841585
#3	4.829788	4.766031	4.849098

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3493.868**	**33272.54**	**2314.934**	**2094.767**	**4648.682**
Stddev	6.874	138.85	8.738	6.439	9.826
%RSD	.1967447	.4173139	.3774624	.3073869	.2113685
#1	3492.049	33169.62	2305.595	2087.814	4644.218
#2	3501.468	33430.47	2322.911	2095.962	4659.948
#3	3488.085	33217.54	2316.295	2100.525	4641.881

Sample Name: CCB08 Acquired: 7/11/2025 4:27:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002924**	**-.003247**	**.0002745**	**.0017807**	**-.000238**	**-.010420**
Stddev	.0011959	.001675	.0012670	.0020227	.002674	.014091
%RSD	408.9154	51.58562	461.5955	113.5885	1125.182	135.2376
#1	-.001022	-.004759	.0004238	-.000527	-.002463	-.023253
#2	.000584	-.003534	-.001061	.003246	-.000977	.004660
#3	.001316	-.001447	.001460	.002623	.002728	-.012666

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001326**	**.0001703**	**-.000067**	**-.010786**	**.0003815**	**.0000950**
Stddev	.000622	.0000504	.000036	.036749	.0002499	.0001893
%RSD	46.91642	29.60079	54.22686	340.7072	65.49978	199.1701
#1	-.001702	.0002285	-.000086	-.018933	.0002699	-.000014
#2	-.000608	.0001438	-.000090	.029353	.0002068	-.000014
#3	-.001669	.0001387	-.000025	-.042777	.0006677	.000314

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000608**	**-.003849**	**.0005469**	**.0060491**	**-.000621**	**.0060600**
Stddev	.000945	.001785	.0015322	.0818568	.000470	.0011223
%RSD	155.3163	46.36501	280.1516	1353.218	75.79993	18.51995
#1	.000479	-.003684	.0013975	.0908887	-.000890	.0053663
#2	-.001229	-.005710	-.001222	-.000285	-.000077	.0073548
#3	-.001075	-.002152	.001465	-.072457	-.000894	.0054588

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.028249**	**-.004006**	**-.000281**	**.0134168**	**-.000867**	**.0017322**
Stddev	.015647	.003472	.000241	.0022239	.001675	.0009761
%RSD	55.38966	86.67699	85.89117	16.57583	193.3156	56.34862
#1	-.014408	-.006305	-.000403	.0157722	.000967	.0014254
#2	-.045227	-.000012	-.000003	.0131249	-.001249	.0028248
#3	-.025111	-.005700	-.000435	.0113532	-.002318	.0009464

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB08 Acquired: 7/11/2025 4:27:27 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000388	F .0225866	-.002744	-.005930	.0036207	F -.041760
Stddev	.000077	.0037576	.002156	.000759	.0010661	.006307
%RSD	19.76913	16.63648	78.55791	12.80768	29.44410	15.10234
#1	-.000350	.0235844	-.003456	-.005296	.0044997	-.048352
#2	-.000476	.0257447	-.000323	-.005721	.0039276	-.041144
#3	-.000338	.0184308	-.004454	-.006772	.0024349	-.035783

Elem	Sr4077
Units	ppm
Avg	-.000353
Stddev	.000170
%RSD	48.08351
#1	-.000168
#2	-.000501
#3	-.000390

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3556.142	34281.98	2335.934	2142.446	5267.249
Stddev	7.560	123.86	5.616	11.945	4.488
%RSD	.2125981	.3613062	.2404329	.5575262	.0852082
#1	3554.184	34395.68	2342.391	2148.087	5262.750
#2	3564.489	34300.28	2333.233	2150.525	5267.271
#3	3549.754	34149.99	2332.179	2128.725	5271.726

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-05 Acquired: 7/11/2025 4:31:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002727**	**-.002148**	**.0037186**	**.0020783**	**.0013191**	**.0124145**	**.0289816**
Stddev	.004672	.000806	.0012672	.0033949	.0035306	.0274410	.0011919
%RSD	171.3535	37.54349	34.07715	163.3530	267.6470	221.0411	4.112684
#1	.000232	-.002202	.0022691	-.001775	-.001080	.0393738	.0277969
#2	-.008113	-.001316	.0046166	.004630	-.000336	-.015484	.0301806
#3	-.000299	-.002926	.0042701	.003379	.005373	.013354	.0289673

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000110**	**-.000080**	**13.30077**	**.0008062**	**.0059484**	**.4437156**	**.0720744**
Stddev	.0001649	.000047	.01507	.0007485	.0000784	.0083539	.0040206
%RSD	1492.137	59.24727	.1133021	92.85200	1.318287	1.882719	5.578391
#1	-.000111	-.000027	13.28419	.0011206	.0059035	.4469857	.0735662
#2	.000199	-.000096	13.30446	.0013462	.0060390	.4499398	.0751358
#3	-.000054	-.000117	13.31364	-.000048	.0059027	.4342213	.0675211

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0151234**	**2.511714**	**.0580282**	**-.000650**	**24.88695**	**.0033146**	**.0477208**
Stddev	.0013246	.062840	.0005434	.000527	1.41493	.0098188	.0007033
%RSD	8.758608	2.501860	.9364026	81.07129	5.685415	296.2295	1.473857
#1	.0152260	2.582866	.0581857	-.000102	23.26527	.0075733	.0480579
#2	.0137505	2.463814	.0584755	-.000697	25.86995	.0102851	.0469123
#3	.0163937	2.488462	.0574235	-.001153	25.52562	-.007915	.0481921

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**^ *****	**1.370633**	**.0063900**	**-.002756**	**2.028156**	**1.898169**	**-.006416**
Stddev	-----	.030674	.0017055	.000282	.045301	.025937	.000305
%RSD	-----	2.237941	26.69030	10.24536	2.233610	1.366425	4.760565
#1	1.237950	1.398966	.0059598	-.003079	2.072298	1.897304	-.006121
#2	1.462464	1.374873	.0082694	-.002633	2.030389	1.924528	-.006731
#3	^ -----	1.338059	.0049407	-.002557	1.981779	1.872676	-.006395

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-05 Acquired: 7/11/2025 4:31:55 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0020305	-.053532	.0508485
Stddev	.0032632	.002023	.0002789
%RSD	160.7108	3.778709	.5484397
#1	.0002492	-.052450	.0505542
#2	.0000456	-.052281	.0511088
#3	.0057967	-.055866	.0508826

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3491.196	33400.41	2332.115	2114.457	5038.947
Stddev	71.397	719.55	7.882	35.095	112.602
%RSD	2.045068	2.154307	.3379780	1.659775	2.234638
#1	3410.354	33827.01	2332.306	2104.479	4915.570
#2	3517.617	33804.57	2324.139	2153.460	5065.099
#3	3545.616	32569.65	2339.900	2085.430	5136.173

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-06 Acquired: 7/11/2025 4:36:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s -.002715	s -.004424	s .0020010	s -.006861	s .0039619	k .2314268	.0283278
Stddev	.002989	.001736	.0010768	.004204	.0012835	.0035311	.0005573
%RSD	110.0817	39.23453	53.81467	61.28045	32.39649	1.525783	1.967322
#1	-.003817	-.005521	.0026127	-.002672	.0031181	.2278887	.0282392
#2	.000668	k -.005327	.0007576	-.006831	k .0033287	.2314410	.0278201
#3	s -.004997	s -.002423	s .0026327	s -.011081	s .0054390	k .2349508	.0289241

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .0000646	s -.000023	14.01311	s .0017002	s .0062607	k .4369590	.0710339
Stddev	.0003081	.000118	.05283	.0016453	.0002040	.0136679	.0043314
%RSD	477.0588	511.1331	.3770134	96.77528	3.257733	3.127956	6.097594
#1	.0001029	.000101	13.95226	.0013884	.0060274	.4432185	.0708705
#2	.0003517	-.000134	14.04723	s .0034790	.0064054	.4212824	.0667865
#3	k -.000261	s -.000036	14.03985	k .0002330	s .0063492	k .4463762	.0754446

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .0265234	2.652175	s .0239558	s .0000834	24.71462	k -.000519	k .0353286
Stddev	.0018310	.031408	.0011739	.0034124	1.49954	.004841	.0011174
%RSD	6.903287	1.184218	4.900409	4088.954	6.067435	933.2788	3.162740
#1	.0244636	2.636691	.0231718	-.002636	26.29047	-.006056	.0344076
#2	.0271407	2.631515	.0233901	s .003913	23.30529	k .001589	.0365715
#3	k .0279660	2.688318	s .0253055	k -.001026	24.54809	k .002911	k .0350065

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.397688	s 1.344691	k .0041392	s -.002631	s 2.130185	k 1.982471	s -.006353
Stddev	.092495	.011832	.0023947	.000632	.025755	.054176	.000687
%RSD	6.617719	.8799418	57.85582	24.02077	1.209054	2.732773	10.81336
#1	1.502611	1.333693	.0056546	-.001927	2.104581	2.019093	-.006337
#2	1.362512	1.357211	k .0013783	-.002817	2.156089	1.920237	-.005675
#3	1.327942	s 1.343170	k .0053845	s -.003149	s 2.129885	k 2.008082	s -.007048

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-06 Acquired: 7/11/2025 4:36:18 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	k .0051413	-.052385	.0521570
Stddev	.0059727	.005435	.0001993
%RSD	116.1700	10.37500	.3820758
#1	.0118535	-.056561	.0522609
#2	.0004132	-.054354	.0522828
#3	k .0031572	-.046240	.0519272

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	2294.690	2050.960	^ *****
Stddev	-----	-----	106.634	179.950	-----
%RSD	-----	-----	4.647000	8.773927	-----
#1	3561.200	33948.32	2347.976	2156.006	5119.646
#2	3373.492	^ -----	2171.915	1843.176	4858.534
#3	^ -----	34398.68	2364.179	2153.697	^ -----

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-07 Acquired: 7/11/2025 4:40:39 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.005773**	**-.001074**	**.0040038**	**.0001383**	**.0002697**	**2.792929**	**.0241954**
Stddev	.002185	.001156	.0027244	.0033992	.0019164	.051752	.0011761
%RSD	37.85864	107.5990	68.04595	2458.214	710.7031	1.852954	4.860969
#1	-.008107	-.002407	.0070738	-.003130	-.001650	2.788812	.0249785
#2	-.005435	-.000466	.0018742	.003654	.000276	2.846616	.0228429
#3	-.003776	-.000349	.0030633	-.000109	.002183	2.743359	.0247647

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000183**	**-.000093**	**12.95741**	**.0006856**	**.0057372**	**1.132265**	**.1729005**
Stddev	.000012	.000039	.05154	.0007120	.0000954	.001542	.0022555
%RSD	6.628677	41.85428	.3977969	103.8521	1.663057	.1361561	1.304482
#1	-.000181	-.000092	12.92310	.0006205	.0057617	1.133286	.1727790
#2	-.000172	-.000055	13.01668	.0000083	.0058180	1.130491	.1707082
#3	-.000196	-.000133	12.93244	.0014278	.0056319	1.133016	.1752142

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0614220**	**2.492370**	**.0006325**	**-.000519**	**23.89497**	**-.004992**	**.2734050**
Stddev	.0032630	.049536	.0005767	.001665	.33828	.010760	.0021810
%RSD	5.312355	1.987502	91.17250	320.5724	1.415678	215.5396	.7977342
#1	.0613925	2.548852	.0011221	.000823	23.77567	-.016720	.2711232
#2	.0646997	2.471947	-.000003	.000002	23.63250	.004424	.2754689
#3	.0581739	2.456310	.000779	-.002383	24.27673	-.002681	.2736230

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.268251**	**1.355123**	**.0042706**	**-.002230**	**1.970798**	**2.125466**	**-.003318**
Stddev	.020819	.023712	.0014365	.000433	.037653	.002130	.000300
%RSD	1.641589	1.749838	33.63741	19.42258	1.910533	.1002128	9.050221
#1	1.259846	1.352721	.0039124	-.001864	1.956364	2.123033	-.003453
#2	1.252948	1.379945	.0058524	-.002118	2.013532	2.126367	-.002974
#3	1.291959	1.332703	.0030471	-.002709	1.942498	2.126997	-.003527

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-07 Acquired: 7/11/2025 4:40:39 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0036344	-.055444	.0506185
Stddev	.0068444	.005435	.0003933
%RSD	188.3200	9.802123	.7769381
#1	.0025874	-.056719	.0506020
#2	.0109420	-.049485	.0510198
#3	-.002626	-.060128	.0502338

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3621.875	34596.70	2377.539	2156.433	5188.225
Stddev	18.896	19.12	5.768	9.477	7.283
%RSD	.5217101	.0552798	.2426136	.4394962	.1403772
#1	3624.802	34576.58	2372.458	2160.009	5189.813
#2	3639.136	34598.87	2376.351	2145.688	5180.279
#3	3601.686	34614.64	2383.809	2163.602	5194.584

Sample Name: Q2520-08 Acquired: 7/11/2025 4:44:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003069**	**-.002252**	**.0024370**	**-.003580**	**.0006810**	**.4635656**	**.0055603**
Stddev	.002403	.002499	.0014198	.004102	.0033501	.0187532	.0019390
%RSD	78.29615	110.9777	58.26044	114.5896	491.9574	4.045420	34.87153
#1	-.000697	-.004699	.0008382	-.000708	-.001318	.4568610	.0040279
#2	-.003010	.000296	.0029223	-.008278	.004549	.4847496	.0077402
#3	-.005502	-.002351	.0035506	-.001754	-.001188	.4490863	.0049130

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000158**	**-.000070**	**12.73246**	**.0002407**	**.0055348**	**.2100956**	**.0336039**
Stddev	.000160	.000015	.00764	.0011002	.0001522	.0020692	.0013420
%RSD	101.2541	21.34572	.0599836	457.0771	2.750572	.9848596	3.993433
#1	.000001	-.000073	12.73000	.0006159	.0054855	.2120718	.0341334
#2	-.000319	-.000084	12.74102	-.000998	.0057056	.2079446	.0346002
#3	-.000155	-.000054	12.72635	.001104	.0054134	.2102706	.0320779

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0192481**	**2.389203**	**-.000575**	**-.000570**	**23.79557**	**-.007665**	**.0449194**
Stddev	.0008945	.074262	.000316	.000674	.22013	.013986	.0004481
%RSD	4.647016	3.108246	54.92713	118.2416	.9250898	182.4581	.9975982
#1	.0184011	2.405333	-.000777	-.000635	23.86480	.003481	.0448596
#2	.0201835	2.308201	-.000738	-.001209	23.54915	-.003117	.0445042
#3	.0191598	2.454074	-.000211	.000134	23.97277	-.023359	.0453944

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.347315**	**.7006726**	**.0065256**	**-.002475**	**1.978605**	**2.372428**	**-.005677**
Stddev	.012782	.0032029	.0011577	.000289	.007195	.017378	.000618
%RSD	.9486826	.4571236	17.74016	11.68752	.3636196	.7324988	10.87956
#1	1.348916	.7018408	.0078306	-.002338	1.986192	2.392494	-.004977
#2	1.333808	.7031274	.0061238	-.002280	1.971880	2.362244	-.005910
#3	1.359221	.6970495	.0056224	-.002807	1.977743	2.362546	-.006144

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-08 Acquired: 7/11/2025 4:44:59 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0046175	-.054402	.0518779
Stddev	.0050417	.004362	.0001358
%RSD	109.1863	8.017679	.2618311
#1	.0027510	-.059014	.0520343
#2	.0103264	-.050343	.0517900
#3	.0007753	-.053850	.0518093

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3598.931	34483.42	2340.889	2147.898	5178.745
Stddev	3.184	139.85	10.318	2.422	6.050
%RSD	.0884640	.4055551	.4407603	.1127686	.1168285
#1	3598.648	34617.60	2330.336	2150.674	5176.066
#2	3595.898	34338.52	2341.376	2146.211	5174.497
#3	3602.247	34494.15	2350.955	2146.810	5185.673

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-09 Acquired: 7/11/2025 4:49:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006120**	**-.001542**	**.0016552**	**-.005780**	**.0041151**	**.6320956**	**.0256942**
Stddev	.003713	.001318	.0007251	.002173	.0039199	.0322446	.0001678
%RSD	60.66854	85.51621	43.80877	37.59959	95.25568	5.101223	.6530824
#1	-.002609	-.000706	.0024061	-.007664	.0079256	.6628199	.0255785
#2	-.010007	-.000858	.0016005	-.006273	.0000943	.6349468	.0256174
#3	-.005745	-.003061	.0009590	-.003402	.0043255	.5985200	.0258866

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000039**	**.0000512**	**13.64691**	**.0002391**	**.0059486**	**.5020527**	**.0604154**
Stddev	.000192	.0000672	.01327	.0012711	.0002892	.0018198	.0017180
%RSD	496.2672	131.4270	.0972346	531.6580	4.861621	.3624775	2.843594
#1	-.000206	.0001230	13.64025	-.001228	.0058951	.5024531	.0600409
#2	.000171	-.000010	13.63830	.001022	.0062607	.5000660	.0622898
#3	-.000080	.000041	13.66219	.000923	.0056898	.5036390	.0589156

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0242428**	**2.622108**	**-.000121**	**-.000761**	**24.34337**	**-.011592**	**.1681383**
Stddev	.0012720	.064444	.000507	.000497	.18011	.002712	.0014431
%RSD	5.246937	2.457728	417.9672	65.33883	.7398675	23.39165	.8583081
#1	.0247916	2.629865	.000432	-.000499	24.43694	-.009795	.1696223
#2	.0227885	2.682323	-.000564	-.000450	24.13573	-.014711	.1680527
#3	.0251483	2.554136	-.000232	-.001334	24.45743	-.010270	.1667399

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.275904**	**1.210041**	**.0033724**	**-.002507**	**2.062825**	**2.051667**	**-.006805**
Stddev	.008965	.004643	.0014319	.000447	.003740	.011786	.000581
%RSD	.7026476	.3836778	42.45947	17.81213	.1813028	.5744587	8.534785
#1	1.281794	1.205245	.0017268	-.002884	2.058520	2.063715	-.007173
#2	1.265586	1.214513	.0040565	-.002625	2.065273	2.040161	-.006135
#3	1.280331	1.210363	.0043340	-.002014	2.064682	2.051124	-.007106

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-09 Acquired: 7/11/2025 4:49:23 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0037954	-.048999	.0506893
Stddev	.0026111	.003567	.0002285
%RSD	68.79657	7.279729	.4508741
#1	.0051744	-.049369	.0509082
#2	.0007839	-.045261	.0504522
#3	.0054280	-.052366	.0507074

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3599.868	34338.96	2361.018	2138.179	5174.990
Stddev	16.478	156.44	13.820	14.435	15.551
%RSD	.4577266	.4555805	.5853380	.6751080	.3005000
#1	3610.525	34180.36	2345.546	2122.800	5189.158
#2	3608.190	34343.37	2372.136	2140.300	5177.460
#3	3580.889	34493.15	2365.373	2151.435	5158.352

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-10 Acquired: 7/11/2025 4:53:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006318**	**-.000265**	**.0015654**	**-.003854**	**.0005665**	**.6789724**	**.0237056**
Stddev	.003205	.000790	.0012629	.002725	.0032239	.0090504	.0007754
%RSD	50.72844	297.5592	80.67268	70.70105	569.1087	1.332950	3.270853
#1	-.002637	-.001175	.0019397	-.001323	.0042610	.6879683	.0245100
#2	-.007826	.000248	.0025989	-.003500	-.000885	.6698686	.0229629
#3	-.008489	.000130	.0001577	-.006738	-.001676	.6790802	.0236439

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000018**	**-.000118**	**13.23622**	**.0001860**	**.0059216**	**.3934046**	**.0530980**
Stddev	.000103	.000044	.07049	.0009657	.0003486	.0046437	.0026356
%RSD	577.4645	37.51964	.5325635	519.2893	5.886600	1.180397	4.963563
#1	.000036	-.000104	13.31002	-.000862	.0056701	.3921145	.0557393
#2	.000047	-.000167	13.22906	.001039	.0063195	.3985569	.0530866
#3	-.000137	-.000082	13.16959	.000381	.0057752	.3895422	.0504682

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0468082**	**2.492611**	**-.000408**	**-.001100**	**23.74568**	**-.002815**	**.0651246**
Stddev	.0019319	.039500	.000388	.000319	.20516	.005516	.0005649
%RSD	4.127314	1.584703	95.16957	29.03875	.8640010	195.9080	.8674061
#1	.0451505	2.447499	.000015	-.000930	23.67869	-.000117	.0647193
#2	.0463441	2.520999	-.000490	-.001468	23.97596	-.009161	.0648845
#3	.0489298	2.509333	-.000749	-.000902	23.58238	.000831	.0657698

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.276546**	**1.188766**	**.0034780**	**-.002604**	**1.988904**	**1.973269**	**-.005991**
Stddev	.016930	.002356	.0018251	.000363	.014228	.016970	.000123
%RSD	1.326231	.1982184	52.47556	13.95276	.7153445	.8599823	2.057838
#1	1.278227	1.186229	.0049913	-.002836	1.991378	1.966097	-.005873
#2	1.292573	1.189185	.0014512	-.002791	1.973602	1.992647	-.005980
#3	1.258838	1.190886	.0039915	-.002185	2.001732	1.961062	-.006119

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-10 Acquired: 7/11/2025 4:53:45 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0013645	-.049703	.0489656
Stddev	.0053212	.004493	.0003095
%RSD	389.9720	9.039038	.6320592
#1	-.002754	-.049857	.0492514
#2	-.000525	-.045135	.0486369
#3	.007372	-.054117	.0490084

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3622.884	34728.72	2371.658	2165.197	5210.044
Stddev	7.309	258.90	2.751	12.465	10.625
%RSD	.2017484	.7454927	.1159926	.5756849	.2039284
#1	3614.934	34563.63	2370.379	2160.454	5197.832
#2	3629.314	35027.11	2369.779	2179.337	5217.166
#3	3624.404	34595.42	2374.815	2155.800	5215.134

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-11 Acquired: 7/11/2025 4:58:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004192**	**-.000843**	**.0020080**	**-.004402**	**.0016616**	**.6910142**	**.0262368**
Stddev	.001541	.000626	.0006976	.005543	.0020334	.0065878	.0016600
%RSD	36.77145	74.25228	34.73986	125.9380	122.3701	.9533585	6.326999
#1	-.002944	-.000573	.0027749	-.005537	.0039088	.6924942	.0243529
#2	-.005915	-.000397	.0018376	.001621	.0011274	.6967362	.0274850
#3	-.003717	-.001559	.0014114	-.009290	-.000051	.6838123	.0268725

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000607**	**.0000161**	**13.73935**	**.0001734**	**.0058490**	**.5214218**	**.0896952**
Stddev	.0001478	.0000786	.10362	.0008738	.0002579	.0187470	.0072733
%RSD	243.5388	487.9322	.7541526	503.8668	4.409924	3.595355	8.108897
#1	-.000064	-.000011	13.62040	.0007165	.0060628	.5117059	.0899048
#2	.000023	.000105	13.78759	.0006383	.0055626	.5430324	.0968615
#3	.000224	-.000046	13.81004	-.000835	.0059217	.5095272	.0823194

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0318769**	**2.620558**	**-.001075**	**-.000711**	**26.23467**	**-.009199**	**.1203220**
Stddev	.0044334	.029158	.000150	.000532	1.37505	.012419	.0002761
%RSD	13.90782	1.112646	13.98875	74.85535	5.241351	135.0002	.2294635
#1	.0268750	2.642507	-.001220	-.000139	24.99818	.002371	.1202135
#2	.0334340	2.631692	-.001084	-.000802	25.99032	-.022321	.1201167
#3	.0353216	2.587474	-.000920	-.001192	27.71552	-.007647	.1206359

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**^ *******	**1.273338**	**.0025379**	**-.003056**	**2.077119**	**2.115546**	**-.005941**
Stddev	-----	.005462	.0013461	.000424	.009391	.066460	.000020
%RSD	-----	.4289356	53.04020	13.87208	.4521059	3.141518	.3353372
#1	1.341797	1.269293	.0040479	-.003486	2.071547	2.073234	-.005928
#2	1.378458	1.271169	.0021020	-.002638	2.071848	2.192148	-.005931
#3	^ -----	1.279551	.0014638	-.003045	2.087961	2.081256	-.005964

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-11 Acquired: 7/11/2025 4:58:09 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0010489	-.057497	.0500225
Stddev	.0019863	.004492	.0003746
%RSD	189.3816	7.813143	.7489000
#1	-.000107	-.052469	.0496605
#2	-.000089	-.058905	.0504086
#3	.003342	-.061116	.0499986

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3504.758	33695.05	2293.104	2114.941	5039.191
Stddev	11.414	374.51	77.871	9.687	24.067
%RSD	.3256641	1.111458	3.395895	.4580290	.4775999
#1	3507.771	33988.22	2345.449	2121.726	5056.036
#2	3514.364	33823.77	2203.615	2103.847	5049.911
#3	3492.141	33273.16	2330.249	2119.250	5011.626

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-12 Acquired: 7/11/2025 5:02:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004206**	**-.003109**	**.0032332**	**-.004756**	**.0047022**	**.6190923**	**.0243996**
Stddev	.004093	.002433	.0012229	.007891	.0004409	.0397725	.0009413
%RSD	97.30125	78.23841	37.82408	165.9204	9.375425	6.424317	3.857951
#1	-.007368	-.001479	.0020228	-.009654	.0052094	.6045490	.0247172
#2	.000417	-.001944	.0044683	-.008960	.0044114	.5886384	.0251410
#3	-.005668	-.005906	.0032084	.004347	.0044858	.6640895	.0233405

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000650**	**-.000123**	**13.45424**	**.0001256**	**.0057963**	**.3735146**	**.0502173**
Stddev	.0000709	.000110	.09945	.0002708	.0001673	.0009880	.0020110
%RSD	109.1548	89.37411	.7391431	215.6226	2.886887	.2645156	4.004662
#1	.0000009	-.000002	13.49020	.0001890	.0056764	.3737878	.0524275
#2	.0000528	-.000217	13.53070	.0003591	.0057250	.3743372	.0484952
#3	.0001411	-.000151	13.34181	-.000171	.0059875	.3724187	.0497293

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0157952**	**2.538966**	**-.000909**	**-.000643**	**24.17071**	**.0017557**	**.0568900**
Stddev	.0021071	.120124	.000389	.001888	.36692	.0103850	.0002079
%RSD	13.33991	4.731231	42.81784	293.8644	1.518028	591.4909	.3655194
#1	.0164835	2.458804	-.000534	-.000897	23.95147	.0103363	.0571039
#2	.0174720	2.677079	-.000883	.001360	24.59430	-.009789	.0568775
#3	.0134300	2.481013	-.001311	-.002390	23.96635	.004720	.0566886

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.276957**	**1.215007**	**.0013848**	**-.002903**	**2.068960**	**2.002022**	**-.006124**
Stddev	.026246	.025131	.0008828	.000220	.053323	.007922	.000619
%RSD	2.055322	2.068423	63.74819	7.571136	2.577286	.3957134	10.10938
#1	1.254126	1.195931	.0003664	-.003104	2.034047	2.004760	-.005437
#2	1.305632	1.205607	.0019322	-.002936	2.042494	2.008212	-.006296
#3	1.271114	1.243483	.0018558	-.002668	2.130339	1.993094	-.006640

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-12 Acquired: 7/11/2025 5:02:32 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0048144	-.047832	.0494843
Stddev	.0034317	.010142	.0003255
%RSD	71.27978	21.20319	.6576991
#1	.0020762	-.044152	.0491469
#2	.0037029	-.059301	.0497964
#3	.0086641	-.040045	.0495094

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3539.489	34619.67	2360.740	2160.959	5089.048
Stddev	106.664	150.65	14.505	1.209	159.911
%RSD	3.013555	.4351525	.6144087	.0559564	3.142261
#1	3587.656	34747.42	2360.697	2159.875	5160.757
#2	3613.576	34453.54	2346.258	2162.263	5200.552
#3	3417.236	34658.04	2375.267	2160.739	4905.833

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-13 Acquired: 7/11/2025 5:06:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006838**	**-.001170**	**.0024597**	**-.002595**	**.0006589**	**.7191598**	**.0243745**
Stddev	.001149	.002959	.0023494	.003460	.0035181	.0107330	.0020066
%RSD	16.80800	252.9333	95.51324	133.3196	533.8956	1.492432	8.232559
#1	-.005830	-.004385	.0050317	-.006281	.0045711	.7129706	.0266291
#2	-.006593	-.000561	.0019208	.000582	-.000350	.7129555	.0227844
#3	-.008090	.001437	.0004266	-.002085	-.002245	.7315531	.0237099

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000055**	**-.000119**	**13.52904**	**.0013510**	**.0057820**	**.4520428**	**.0506301**
Stddev	.000160	.000093	.01775	.0009136	.0006351	.0037611	.0007182
%RSD	292.0002	78.37585	.1311960	67.62259	10.98368	.8320108	1.418538
#1	-.000149	-.000024	13.54102	.0009497	.0053533	.4556392	.0514095
#2	-.000147	-.000211	13.53746	.0023966	.0065116	.4523530	.0504859
#3	.000130	-.000123	13.50865	.0007068	.0054811	.4481363	.0499949

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0330310**	**2.584201**	**.0002677**	**-.000961**	**24.13713**	**-.000856**	**.1355317**
Stddev	.0022214	.118786	.0004888	.000481	.41084	.001703	.0004569
%RSD	6.725150	4.596605	182.6023	50.02541	1.702124	198.8915	.3371450
#1	.0339371	2.483587	-.000052	-.000560	24.59036	-.001483	.1352093
#2	.0304998	2.553777	.000024	-.000829	24.03187	.001071	.1360546
#3	.0346561	2.715240	.000830	-.001493	23.78916	-.002156	.1353312

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.257039**	**1.128942**	**.0036607**	**-.002967**	**2.101127**	**2.006648**	**-.004737**
Stddev	.021284	.008667	.0011964	.000142	.015409	.022817	.000551
%RSD	1.693156	.7677445	32.68149	4.798760	.7333486	1.137075	11.63852
#1	1.281336	1.133741	.0050075	-.003118	2.113835	2.030674	-.004384
#2	1.248085	1.118936	.0027211	-.002948	2.083989	2.003999	-.005372
#3	1.241695	1.134149	.0032535	-.002835	2.105558	1.985271	-.004454

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-13 Acquired: 7/11/2025 5:06:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001030	-.050684	.0501949
Stddev	.001737	.012758	.0004162
%RSD	168.6305	25.17150	.8291991
#1	-.000868	-.038816	.0497267
#2	.000620	-.049060	.0505228
#3	-.002843	-.064176	.0503353

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3586.883	34500.60	2354.616	2142.473	5170.860
Stddev	3.617	128.89	14.639	12.051	5.220
%RSD	.1008471	.3735822	.6216957	.5624624	.1009553
#1	3588.690	34649.43	2338.227	2156.369	5165.072
#2	3582.718	34427.24	2359.227	2134.891	5175.211
#3	3589.241	34425.15	2366.394	2136.159	5172.297

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-14 Acquired: 7/11/2025 5:11:16 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004043**	**-.001766**	**.0017573**	**-.001072**	**.0004613**	**.1703281**	**.0042198**
Stddev	.001107	.002699	.0010167	.000462	.0017561	.0148872	.0007669
%RSD	27.38865	152.8332	57.85694	43.10321	380.7301	8.740325	18.17389
#1	-.005299	.001033	.0014432	-.000539	.0024499	.1840404	.0041055
#2	-.003210	-.004352	.0009347	-.001311	-.000876	.1544937	.0035164
#3	-.003619	-.001979	.0028940	-.001365	-.000190	.1724502	.0050374

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000067**	**-.000012**	**5.585823**	**.0004243**	**.0024386**	**.1387936**	**.0163649**
Stddev	.000111	.000029	.028657	.0009367	.0002444	.0020640	.0026146
%RSD	165.8310	231.2868	.5130237	220.7478	10.02360	1.487108	15.97708
#1	.000060	.000014	5.612872	.0008447	.0027151	.1405227	.0139354
#2	-.000117	-.000043	5.555792	-.000649	.0022512	.1365086	.0191319
#3	-.000145	-.000008	5.588805	.001077	.0023496	.1393496	.0160275

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0112169**	**.8138543**	**-.000609**	**-.000156**	**6.298927**	**-.000372**	**.0242195**
Stddev	.0011134	.0841947	.000415	.000479	.115343	.008417	.0002891
%RSD	9.926193	10.34518	68.16019	306.4661	1.831147	2260.683	1.193687
#1	.0120621	.9109785	-.000143	-.000697	6.418343	.005357	.0241385
#2	.0099553	.7615628	-.000938	.000215	6.188143	.003562	.0245404
#3	.0116332	.7690214	-.000745	.000013	6.290294	-.010036	.0239794

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.543935**	**2.506036**	**.0057756**	**-.001173**	**.9913297**	**.4748700**	**-.005717**
Stddev	.160169	.002455	.0011239	.000647	.0010814	.0051641	.000987
%RSD	2.123151	.0979435	19.45882	55.15147	.1090843	1.087471	17.26412
#1	7.712992	2.504272	.0058553	-.000438	.9900811	.4794854	-.006589
#2	7.394453	2.504997	.0068575	-.001423	.9919420	.4692926	-.005915
#3	7.524359	2.508839	.0046140	-.001657	.9919660	.4758321	-.004646

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-14 Acquired: 7/11/2025 5:11:16 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0059469	-.053639	.0093299
Stddev	.0030175	.001968	.0002491
%RSD	50.74031	3.668525	2.669636
#1	.0071807	-.052443	.0090455
#2	.0025080	-.052565	.0095088
#3	.0081519	-.055910	.0094355

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3642.235	35167.42	2334.947	2179.134	5278.176
Stddev	9.735	42.91	14.579	9.453	10.117
%RSD	.2672880	.1220107	.6243678	.4337905	.1916733
#1	3648.119	35165.32	2326.188	2189.024	5285.533
#2	3630.998	35211.34	2351.776	2178.190	5266.639
#3	3647.588	35125.60	2326.876	2170.189	5282.356

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV09 Acquired: 7/11/2025 5:19:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.774680**	**4.773549**	**4.774373**	**4.723297**	**4.827031**	**9.800520**	**9.963190**
Stddev	.010681	.011418	.004868	.007067	.007769	.038142	.046339
%RSD	.2236931	.2391853	.1019704	.1496140	.1609564	.3891852	.4651039
#1	4.782922	4.782747	4.769766	4.731109	4.832586	9.789761	10.01499
#2	4.762614	4.760770	4.773886	4.717350	4.818153	9.768914	9.94892
#3	4.778505	4.777131	4.779466	4.721432	4.830355	9.842887	9.92567

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2464943**	**2.378791**	**24.35417**	**1.002420**	**2.403851**	**1.245552**	**4.814790**
Stddev	.0025567	.002514	.06730	.002284	.000790	.013141	.044058
%RSD	1.037240	.1056811	.2763447	.2278950	.0328620	1.055026	.9150461
#1	.2487489	2.380281	24.40663	1.004344	2.404689	1.259071	4.854413
#2	.2470175	2.375889	24.37760	1.003021	2.403745	1.244760	4.822610
#3	.2437164	2.380205	24.27829	.999895	2.403120	1.232825	4.767346

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.491568**	**24.24049**	**2.372374**	**1.237920**	**26.07820**	**2.536241**	**2.496446**
Stddev	.012697	.10243	.002760	.004803	.44703	.011696	.004135
%RSD	.5095851	.4225668	.1163578	.3879646	1.714173	.4611589	.1656436
#1	2.502236	24.13696	2.375023	1.243442	26.55095	2.545277	2.500959
#2	2.494945	24.24271	2.369514	1.234716	26.02130	2.523030	2.492838
#3	2.477525	24.34178	2.372585	1.235603	25.66235	2.540417	2.495543

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.59568**	**4.798793**	**5.004551**	**4.807769**	**4.730933**	**5.017959**	**4.779152**
Stddev	.85386	.007823	.053088	.008101	.002480	.059647	.007793
%RSD	3.335964	.1630294	1.060797	.1684959	.0524271	1.188670	.1630719
#1	26.48845	4.806519	5.054060	4.816879	4.733391	5.075348	4.785403
#2	25.51166	4.790875	5.011100	4.801376	4.728431	5.022246	4.770420
#3	24.78694	4.798985	4.948492	4.805053	4.730977	4.956285	4.781632

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV09 Acquired: 7/11/2025 5:19:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.945765**	**4.875044**	**4.963323**
Stddev	.033644	.004329	.012962
%RSD	.6802684	.0888027	.2611503
#1	4.981122	4.878992	4.977673
#2	4.914145	4.870415	4.959831
#3	4.942028	4.875724	4.952465

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3422.453**	**32573.10**	**2279.319**	**2034.060**	**4586.178**
Stddev	7.632	47.00	20.879	4.706	6.892
%RSD	.2230085	.1442964	.9160028	.2313641	.1502853
#1	3413.903	32523.97	2261.611	2037.260	4582.483
#2	3428.578	32577.69	2274.005	2036.263	4594.130
#3	3424.878	32617.64	2302.341	2028.656	4581.921

Sample Name: CCB09 Acquired: 7/11/2025 5:24:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000473**	**-.002551**	**.0002021**	**-.000835**	**.0010254**	**-.023582**
Stddev	.002862	.001439	.0021701	.002740	.0017513	.010467
%RSD	605.0839	56.41951	1073.604	328.2856	170.7972	44.38570
#1	.002506	-.002541	.0013194	-.003817	.0022661	-.032167
#2	-.000724	-.001117	-.002299	-.000258	.0017880	-.011922
#3	-.003201	-.003996	.001586	.001571	-.000978	-.026657

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000932**	**.0001488**	**-.000018**	**-.039099**	**-.000491**	**-.000188**
Stddev	.001780	.0000805	.000011	.009975	.000370	.000190
%RSD	190.9737	54.10873	61.42121	25.51146	75.25449	101.4102
#1	.001062	.0002411	-.000030	-.027586	-.000772	-.000385
#2	-.002361	.0000934	-.000015	-.045150	-.000072	-.000174
#3	-.001496	.0001118	-.000008	-.044560	-.000630	-.000004

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000950**	**-.008434**	**.0018402**	**-.012662**	**-.000584**	**.0029702**
Stddev	.000635	.002536	.0031969	.105361	.000524	.0011029
%RSD	66.82850	30.06409	173.7278	832.0806	89.86955	37.13073
#1	-.000222	-.006978	.0036019	-.025085	-.000533	.0019125
#2	-.001238	-.006962	-.001850	-.111261	-.000086	.0028849
#3	-.001389	-.011362	.003769	.098359	-.001131	.0041133

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006432**	**.0015779**	**-.000325**	**.0061057**	**.0016447**	F **.0148176**
Stddev	.016342	.0051958	.000096	.0017967	.0009845	.0012204
%RSD	254.0732	329.2864	29.39631	29.42720	59.86127	8.236116
#1	-.009521	-.003089	-.000231	.0041145	.0026317	.0160892
#2	.011234	.000646	-.000323	.0076058	.0016397	.0147077
#3	-.021009	.007177	-.000422	.0065968	.0006626	.0136558

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB09 Acquired: 7/11/2025 5:24:14 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000502	.0179079	-.001020	-.005530	.0016010	F -.030467
Stddev	.000567	.0048304	.000574	.000458	.0049766	.004861
%RSD	112.9699	26.97361	56.26064	8.278048	310.8377	15.95646
#1	-.000531	.0123318	-.000912	-.006058	.0002710	-.030932
#2	-.001054	.0208122	-.000507	-.005254	-.002575	-.025389
#3	.000079	.0205796	-.001639	-.005278	.007107	-.035079

Elem	Sr4077
Units	ppm
Avg	-.000211
Stddev	.000182
%RSD	86.05332
#1	-.000031
#2	-.000395
#3	-.000209

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3615.472	34755.08	2427.712	2147.838	5353.380
Stddev	5.738	90.29	13.161	9.036	10.762
%RSD	.1587144	.2597928	.5421129	.4206835	.2010332
#1	3609.220	34859.04	2419.664	2157.916	5342.356
#2	3620.500	34696.22	2442.900	2140.459	5363.860
#3	3616.694	34709.99	2420.573	2145.140	5353.925

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-15 Acquired: 7/11/2025 5:33:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004024**	**.0000434**	**-.000138**	**-.002914**	**.0027273**	**-.008570**	**.0310208**
Stddev	.001138	.0013606	.002161	.000952	.0040691	.016611	.0004493
%RSD	28.27908	3135.272	1568.094	32.67538	149.1958	193.8144	1.448370
#1	-.002728	.0015589	.001680	-.002514	-.000699	-.021849	.0305213
#2	-.004862	-.000356	-.002527	-.004001	.001656	-.013917	.0311491
#3	-.004481	-.001073	.000434	-.002227	.007225	.010055	.0313919

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000099**	**-.000180**	**14.28154**	**.0000549**	**.0059083**	**1.988811**	**.0651971**
Stddev	.000088	.000054	.09478	.0002501	.0001999	.008850	.0035452
%RSD	89.66607	30.02004	.6636821	455.4179	3.382746	.4449701	5.437655
#1	-.000034	-.000226	14.35976	-.000158	.0061379	1.996991	.0688690
#2	-.000199	-.000194	14.30872	.000330	.0058136	1.990024	.0617939
#3	-.000062	-.000120	14.17614	-.000008	.0057735	1.979417	.0649285

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108703**	**2.601742**	**.0236546**	**-.001410**	**23.09693**	**-.000972**	**.2149284**
Stddev	.0024280	.032887	.0005384	.000563	.08734	.005254	.0005702
%RSD	22.33580	1.264044	2.276062	39.89854	.3781479	540.6089	.2653182
#1	.0094722	2.628104	.0240539	-.001442	23.19638	.002263	.2143291
#2	.0094647	2.564889	.0238676	-.000833	23.03272	-.007034	.2149917
#3	.0136739	2.612234	.0230423	-.001957	23.06169	.001855	.2154643

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.272859**	**.8204358**	**.0048009**	**-.002886**	**2.119877**	**1.850708**	**-.006676**
Stddev	.006565	.0080654	.0014801	.000404	.004365	.007874	.002197
%RSD	.5157556	.9830591	30.83050	13.98608	.2059257	.4254503	32.91003
#1	1.272046	.8263024	.0060738	-.003251	2.121514	1.859681	-.004531
#2	1.266739	.8112385	.0031767	-.002954	2.114930	1.847488	-.006576
#3	1.279793	.8237665	.0051520	-.002453	2.123188	1.844954	-.008922

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-15 Acquired: 7/11/2025 5:33:11 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0047900	-.052074	.0548341
Stddev	.0043888	.011904	.0003223
%RSD	91.62292	22.85965	.5877736
#1	.0052059	-.059699	.0547668
#2	.0002081	-.058166	.0551847
#3	.0089561	-.038357	.0545508

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3607.921	34529.04	2337.791	2138.980	5211.004
Stddev	7.550	36.68	6.309	12.193	6.106
%RSD	.2092716	.1062174	.2698854	.5700240	.1171659
#1	3599.241	34569.75	2341.354	2152.275	5204.581
#2	3611.558	34498.57	2330.506	2128.321	5211.698
#3	3612.965	34518.80	2341.512	2136.343	5216.733

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-16 Acquired: 7/11/2025 5:37:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004743**	**-.002298**	**.0004598**	**-.004832**	**.0013479**	**.0025027**	**.0297107**
Stddev	.003740	.001729	.0003091	.002890	.0028399	.0073742	.0008180
%RSD	78.85637	75.25666	67.21293	59.81167	210.6893	294.6520	2.753124
#1	-.008823	-.000817	.0001376	-.007664	.0032700	.0095350	.0293376
#2	-.003929	-.001879	.0007538	-.001888	-.001914	-.005172	.0291457
#3	-.001477	-.004198	.0004882	-.004943	.002688	.003145	.0306487

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000008**	**.0000232**	**13.51377**	**-.000277**	**.0058167**	**.4141125**	**.0505748**
Stddev	.000153	.0000304	.05872	.000917	.0003616	.0036969	.0017368
%RSD	1996.443	131.1336	.4345497	331.2868	6.215946	.8927293	3.434046
#1	.000169	.0000514	13.52125	-.001020	.0061543	.4134810	.0488179
#2	-.000096	.0000273	13.56840	.000748	.0058607	.4180845	.0506158
#3	-.000096	-.000009	13.45167	-.000558	.0054352	.4107720	.0522907

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140270**	**2.567026**	**.0206784**	**.0000727**	**23.89845**	**.0030560**	**.0188869**
Stddev	.0008357	.068802	.0000595	.0010381	.06737	.0086098	.0003486
%RSD	5.957580	2.680231	.2879586	1428.801	.2818811	281.7383	1.845591
#1	.0141730	2.618556	.0207342	.0003985	23.92405	.0078217	.0191764
#2	.0131280	2.593628	.0206157	-.001089	23.94927	-.006883	.0189843
#3	.0147801	2.488895	.0206854	.000909	23.82204	.008229	.0185000

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.265004**	**1.411731**	**.0041587**	**-.002475**	**2.055816**	**1.946552**	**-.005893**
Stddev	.010221	.007120	.0012221	.000368	.008352	.013590	.000668
%RSD	.8080008	.5043510	29.38603	14.87652	.4062761	.6981515	11.33343
#1	1.268515	1.411612	.0051068	-.002781	2.046184	1.943537	-.006658
#2	1.273008	1.404671	.0027795	-.002578	2.060202	1.961396	-.005426
#3	1.253490	1.418910	.0045897	-.002066	2.061062	1.934723	-.005595

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-16 Acquired: 7/11/2025 5:37:34 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0024936	-.050218	.0515373
Stddev	.0024374	.009984	.0003442
%RSD	97.74802	19.88094	.6679626
#1	.0049995	-.038711	.0513853
#2	.0001309	-.056578	.0519314
#3	.0023504	-.055365	.0512951

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3580.945	34413.96	2382.731	2135.089	5160.666
Stddev	11.396	158.67	10.506	8.888	11.479
%RSD	.3182265	.4610567	.4409079	.4162902	.2224307
#1	3574.667	34406.47	2386.124	2141.863	5153.738
#2	3594.098	34576.24	2370.949	2138.380	5173.916
#3	3574.068	34259.17	2391.121	2125.025	5154.344

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-17 Acquired: 7/11/2025 5:41:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.006361**	**-.001115**	**.0040496**	**-.005948**	**.0054948**	**-.002652**	**.0319856**
Stddev	.001933	.001102	.0016193	.003609	.0022877	.034302	.0010347
%RSD	30.39765	98.79950	39.98547	60.67446	41.63370	1293.544	3.235010
#1	-.005960	-.002363	.0040303	-.009505	.0045032	.032385	.0312586
#2	-.004659	-.000277	.0024401	-.006050	.0038702	-.004172	.0315280
#3	-.008463	-.000705	.0056785	-.002289	.0081110	-.036168	.0331703

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000085**	**.0002500**	**13.66405**	**.0008096**	**.0058185**	**.4437449**	**.0750562**
Stddev	.000171	.0000921	.02592	.0006846	.0007243	.0043576	.0011520
%RSD	200.0113	36.83042	.1897083	84.56512	12.44858	.9820034	1.534910
#1	-.000134	.0001447	13.65456	.0010145	.0059119	.4462295	.0752455
#2	-.000226	.0002905	13.69338	.0013683	.0050520	.4462918	.0738212
#3	.000105	.0003150	13.64420	.0000459	.0064916	.4387133	.0761019

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0195325**	**2.585314**	**.0293892**	**-.001108**	**23.77359**	**-.007139**	**.6450407**
Stddev	.0005450	.047415	.0002581	.001895	.18268	.009224	.0029017
%RSD	2.790384	1.834004	.8782162	171.0092	.7684048	129.2074	.4498445
#1	.0201068	2.634498	.0296540	-.003146	23.83332	-.007939	.6472027
#2	.0190225	2.581549	.0291383	-.000778	23.91893	.002459	.6417430
#3	.0194681	2.539893	.0293754	.000600	23.56853	-.015938	.6461766

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.274454**	**1.291774**	**.0027695**	**-.002319**	**2.004894**	**1.980992**	**-.006643**
Stddev	.014164	.006203	.0023867	.000322	.003127	.009736	.000896
%RSD	1.111381	.4801557	86.17872	13.86983	.1559883	.4914781	13.48526
#1	1.272127	1.286421	.0028684	-.001951	2.002741	1.987237	-.007641
#2	1.289638	1.290328	.0003348	-.002454	2.003461	1.985966	-.005909
#3	1.261598	1.298571	.0051052	-.002550	2.008481	1.969774	-.006379

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-17 Acquired: 7/11/2025 5:41:58 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0081307	-.060313	.0525815
Stddev	.0033872	.007456	.0004016
%RSD	41.65990	12.36258	.7637041
#1	.0117904	-.067401	.0522612
#2	.0074959	-.052536	.0524513
#3	.0051058	-.061002	.0530320

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3544.668	33954.73	2323.818	2111.322	5104.083
Stddev	8.996	84.00	11.820	7.113	18.748
%RSD	.2538004	.2473946	.5086361	.3368836	.3673169
#1	3546.032	33857.74	2316.224	2104.939	5111.540
#2	3552.903	34002.48	2317.794	2118.989	5117.955
#3	3535.067	34003.98	2337.436	2110.037	5082.753

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-18 Acquired: 7/11/2025 5:46:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.004294**	**-.001223**	**.0026236**	**-.005245**	**.0022856**	**-.039741**	**.0317430**
Stddev	.001322	.000391	.0018888	.007423	.0006484	.014572	.0012683
%RSD	30.79557	31.98609	71.99518	141.5228	28.37152	36.66843	3.995496
#1	-.002897	-.001675	.0005919	-.011157	.0028963	-.047662	.0312267
#2	-.005527	-.001013	.0029525	-.007665	.0023554	-.022923	.0308142
#3	-.004458	-.000982	.0043263	.003086	.0016050	-.048637	.0331880

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000052**	**-.000055**	**14.33434**	**.0009155**	**.0062048**	**.3950115**	**.1124018**
Stddev	.000134	.000067	.07700	.0002092	.0002850	.0157979	.0030328
%RSD	259.3705	122.9620	.5371571	22.85189	4.593179	3.999347	2.698157
#1	-.000054	-.000127	14.36206	.0010903	.0058803	.3859311	.1104027
#2	-.000185	.000006	14.39364	.0006837	.0064140	.4132533	.1158914
#3	.000084	-.000043	14.24732	.0009725	.0063203	.3858503	.1109112

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0570743**	**2.716651**	**.0155893**	**-.000305**	**25.53031**	**-.005021**	**.0234947**
Stddev	.0007200	.074686	.0002760	.000621	1.01629	.006577	.0002060
%RSD	1.261580	2.749203	1.770462	203.3795	3.980711	130.9838	.8767642
#1	.0565585	2.763533	.0156280	.000034	25.03435	-.005769	.0232666
#2	.0567674	2.755895	.0152960	-.001023	26.69936	-.011192	.0236670
#3	.0578969	2.630523	.0158439	.000072	24.85723	.001898	.0235506

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.373836**	**1.471063**	**.0017953**	**-.002494**	**2.186943**	**2.067462**	**-.005797**
Stddev	.055428	.004924	.0002779	.000097	.010217	.086014	.001019
%RSD	4.034518	.3347456	15.47696	3.878939	.4671921	4.160352	17.57198
#1	1.350218	1.465922	.0016863	-.002462	2.183195	2.020403	-.006527
#2	1.437161	1.471530	.0021112	-.002417	2.179129	2.166737	-.006232
#3	1.334129	1.475737	.0015886	-.002602	2.198504	2.015245	-.004633

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-18 Acquired: 7/11/2025 5:46:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0008147	-.062407	.0546434
Stddev	.0001976	.006288	.0003689
%RSD	24.25100	10.07593	.6750786
#1	.0006056	-.056022	.0549698
#2	.0009983	-.068594	.0547173
#3	.0008403	-.062604	.0542432

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3479.425	33041.17	2239.195	2049.986	5002.412
Stddev	15.358	127.27	76.769	14.203	11.866
%RSD	.4413887	.3851729	3.428421	.6928316	.2371970
#1	3463.649	33029.43	2280.467	2047.385	4993.808
#2	3480.297	33173.90	2150.618	2065.310	4997.480
#3	3494.328	32920.19	2286.500	2037.263	5015.948

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-19 Acquired: 7/11/2025 5:50:42 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.007724**	**-.000127**	**.0033884**	**-.004202**	**.0013319**	**.0192314**	**.0323801**
Stddev	.002324	.000450	.0018228	.004309	.0009714	.0163662	.0011673
%RSD	30.09350	353.1370	53.79403	102.5434	72.93690	85.10108	3.605038
#1	-.008510	.000028	.0054739	-.001560	.0002168	.0008122	.0330345
#2	-.009553	-.000634	.0025919	-.009174	.0019947	.0247805	.0310324
#3	-.005108	.000224	.0020995	-.001872	.0017842	.0321017	.0330734

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000092**	**-.000091**	**14.29321**	**.0004692**	**.0058902**	**.4464048**	**.1193257**
Stddev	.0000967	.000070	.06384	.0007641	.0001923	.0035135	.0030131
%RSD	1054.190	77.44341	.4466577	162.8467	3.265418	.7870606	2.525073
#1	.0000749	-.000010	14.24323	.0003977	.0060681	.4491440	.1205755
#2	-.000102	-.000131	14.27127	.0012665	.0056861	.4424434	.1215129
#3	.000055	-.000132	14.36512	-.000257	.0059163	.4476269	.1158889

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0310155**	**2.689851**	**.0273885**	**-.000768**	**24.70436**	**-.002406**	**.3975322**
Stddev	.0022018	.050882	.0005007	.001893	.03078	.005636	.0017154
%RSD	7.099073	1.891628	1.827961	246.5076	.1245985	234.2656	.4315182
#1	.0286867	2.735610	.0268495	-.002791	24.73789	-.004122	.3983368
#2	.0312963	2.635057	.0278390	-.000473	24.67738	-.006983	.3986975
#3	.0330633	2.698888	.0274771	.000961	24.69781	.003889	.3955624

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.348657**	**1.386657**	**.0019250**	**-.003234**	**2.187867**	**2.050440**	**-.006450**
Stddev	.004554	.002878	.0008501	.000338	.003554	.010381	.000766
%RSD	.3376339	.2075322	44.16138	10.46086	.1624610	.5062695	11.86926
#1	1.343852	1.386169	.0029052	-.003344	2.185841	2.061310	-.005569
#2	1.349209	1.384053	.0014802	-.003504	2.191971	2.040630	-.006831
#3	1.352909	1.389747	.0013896	-.002855	2.185789	2.049380	-.006950

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-19 Acquired: 7/11/2025 5:50:42 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0035025	-.058898	.0545963
Stddev	.0042238	.005553	.0004258
%RSD	120.5940	9.428051	.7799043
#1	.0047477	-.063607	.0541055
#2	.0069638	-.052775	.0548171
#3	-.001204	-.060312	.0548664

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3519.117	33624.89	2302.009	2091.886	5064.834
Stddev	8.227	150.91	3.298	8.936	7.772
%RSD	.2337849	.4488087	.1432689	.4271879	.1534431
#1	3521.816	33770.89	2299.342	2099.161	5063.509
#2	3525.655	33469.50	2305.697	2081.911	5073.182
#3	3509.879	33634.29	2300.988	2094.586	5057.809

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20 Acquired: 7/11/2025 5:55:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.003023**	**-.000501**	**.0026142**	**-.003448**	**.0015190**	**.0134820**	**.0269705**
Stddev	.003541	.000815	.0010933	.002099	.0040154	.0115507	.0015769
%RSD	117.1366	162.6205	41.81942	60.89250	264.3356	85.67463	5.846877
#1	.000220	-.000979	.0029073	-.001527	-.003104	.0099810	.0262484
#2	-.002488	-.000965	.0014043	-.005689	.004134	.0040869	.0287792
#3	-.006801	.000440	.0035311	-.003127	.003527	.0263782	.0258839

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000191**	**-.000074**	**13.19354**	**.0004525**	**.0054740**	**.3085750**	**.0888599**
Stddev	.000121	.000073	.09390	.0008325	.0005237	.0028328	.0012498
%RSD	63.42977	98.59632	.7116990	183.9552	9.566960	.9180151	1.406445
#1	-.000257	-.000014	13.08556	.0009567	.0056754	.3118308	.0883153
#2	-.000265	-.000156	13.23900	-.000508	.0048795	.3072198	.0902895
#3	-.000051	-.000054	13.25605	.000909	.0058671	.3066744	.0879748

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0244465**	**2.509944**	**.0123994**	**-.001114**	**23.35276**	**.0002438**	**.0146218**
Stddev	.0021631	.112344	.0001712	.001002	.17088	.0072284	.0004546
%RSD	8.848206	4.475969	1.380906	89.96401	.7317354	2965.007	3.109091
#1	.0220121	2.616723	.0122085	-.000335	23.52435	.0079712	.0141563
#2	.0261476	2.520351	.0124502	-.000762	23.35132	-.006352	.0150646
#3	.0251798	2.392759	.0125395	-.002244	23.18260	-.000888	.0146447

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.227658**	**1.381933**	**.0007332**	**-.002741**	**2.002855**	**1.961027**	**-.007420**
Stddev	.011937	.003359	.0005054	.000169	.012800	.014039	.000440
%RSD	.9723199	.2430932	68.93011	6.170361	.6390835	.7158835	5.933743
#1	1.241438	1.378076	.0002618	-.002672	2.005018	1.977032	-.007924
#2	1.221017	1.383504	.0006709	-.002934	1.989112	1.950796	-.007223
#3	1.220518	1.384219	.0012668	-.002617	2.014436	1.955252	-.007112

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20 Acquired: 7/11/2025 5:55:05 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002646	-.049299	.0494212
Stddev	.003851	.008771	.0002053
%RSD	145.5792	17.79163	.4153956
#1	-.005856	-.058511	.0492151
#2	.001625	-.041048	.0494230
#3	-.003705	-.048338	.0496256

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3630.699	34736.33	2404.928	2161.707	5240.567
Stddev	1.299	267.73	10.659	15.624	4.812
%RSD	.0357905	.7707632	.4432320	.7227697	.0918187
#1	3629.266	34968.83	2398.433	2173.990	5235.404
#2	3631.800	34443.61	2399.121	2144.121	5244.927
#3	3631.030	34796.56	2417.230	2167.008	5241.369

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20DUP Acquired: 7/11/2025 5:59:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002398**	**-.002267**	**.0041179**	**-.006487**	**.0018956**	**.0086425**	**.0282977**
Stddev	.000442	.002287	.0016487	.002160	.0004902	.0114025	.0013801
%RSD	18.40998	100.8570	40.03790	33.29098	25.85955	131.9361	4.877190
#1	-.002870	.000373	.0039010	-.006851	.0019998	.0130918	.0272103
#2	-.001994	-.003589	.0058643	-.008442	.0023254	.0171496	.0278325
#3	-.002331	-.003585	.0025884	-.004169	.0013617	-.004314	.0298504

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000154**	**-.000192**	**13.07901**	**-.000063**	**.0056628**	**.3046989**	**.1018949**
Stddev	.000122	.000094	.02273	.000600	.0002415	.0033695	.0034520
%RSD	79.21383	48.64209	.1738168	947.5500	4.265170	1.105856	3.387842
#1	-.000013	-.000300	13.06244	-.000561	.0058093	.3082920	.1057668
#2	-.000219	-.000134	13.06967	-.000231	.0053840	.3016097	.1007792
#3	-.000230	-.000143	13.10493	.000602	.0057951	.3041948	.0991386

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0244027**	**2.501250**	**.0127124**	**-.001219**	**23.26602**	**-.000066**	**.0158554**
Stddev	.0010437	.013804	.0004121	.001925	.22073	.016915	.0004101
%RSD	4.277057	.5518748	3.241378	157.8860	.9487106	25545.59	2.586334
#1	.0232001	2.486135	.0129256	-.001996	23.51493	.015913	.0159614
#2	.0249362	2.513188	.0129742	.000973	23.09412	.001672	.0154028
#3	.0250719	2.504427	.0122375	-.002633	23.18900	-.017783	.0162021

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.229639**	**1.365334**	**.0027489**	**-.003070**	**1.982987**	**1.946858**	**-.006136**
Stddev	.015520	.006322	.0014886	.000273	.005350	.022620	.000693
%RSD	1.262142	.4630231	54.15091	8.897200	.2698124	1.161889	11.29325
#1	1.247447	1.365899	.0042148	-.002761	1.980928	1.972351	-.005587
#2	1.222476	1.358750	.0012387	-.003169	1.978973	1.929186	-.006915
#3	1.218995	1.371355	.0027933	-.003280	1.989061	1.939037	-.005906

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20DUP Acquired: 7/11/2025 5:59:28 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001129	-.053454	.0488422
Stddev	.004671	.009902	.0002855
%RSD	413.6627	18.52392	.5844417
#1	.001012	-.044328	.0486310
#2	.002088	-.052053	.0487285
#3	-.006486	-.063982	.0491669

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3626.153	34872.36	2387.533	2161.859	5232.988
Stddev	6.124	91.91	20.631	4.904	1.039
%RSD	.1688860	.2635692	.8641038	.2268343	.0198529
#1	3633.219	34956.58	2364.161	2167.256	5233.960
#2	3622.374	34774.32	2403.209	2157.677	5231.893
#3	3622.867	34886.18	2395.230	2160.643	5233.110

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20LX5 Acquired: 7/11/2025 6:03:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.001199**	**-.001952**	**.0003602**	**-.001912**	**-.001135**	**.0062570**	**.0034728**
Stddev	.001779	.001202	.0010999	.002628	.001540	.0195351	.0012397
%RSD	148.3384	61.57770	305.3644	137.4757	135.6824	312.2125	35.69807
#1	-.001701	-.002807	.0016096	-.004733	.000591	-.011874	.0029444
#2	.000777	-.002471	-.000462	-.001469	-.002369	.026945	.0025848
#3	-.002674	-.000578	-.000067	.000467	-.001628	.003700	.0048891

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000954**	**-.000122**	**2.559817**	**.0003932**	**.0014336**	**.0596379**	**.0169415**
Stddev	.0001219	.000018	.022123	.0007958	.0003241	.0008194	.0014584
%RSD	127.7564	14.62296	.8642603	202.3682	22.60701	1.373943	8.608469
#1	.0000785	-.000137	2.540413	.0013069	.0018075	.0597556	.0152615
#2	-.000017	-.000126	2.583908	.0000207	.0012621	.0603921	.0176812
#3	.000225	-.000102	2.555129	-.000148	.0012314	.0587660	.0178819

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051352**	**.4661201**	**.0021847**	**.0004919**	**4.452525**	**.0005137**	**.0032693**
Stddev	.0016030	.0466055	.0004323	.0015914	.104324	.0027432	.0004184
%RSD	31.21563	9.998593	19.78521	323.5252	2.343036	534.0465	12.79619
#1	.0042335	.4435628	.0025275	.0023263	4.375213	-.000742	.0028955
#2	.0069860	.4350851	.0023275	-.000331	4.571185	-.001377	.0037212
#3	.0041862	.5197124	.0016992	-.000519	4.411177	.003660	.0031913

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2138987**	**.2650920**	**-.005414**	**-.000617**	**.3990050**	**.4001060**	**-.007217**
Stddev	.0061325	.0042596	.001900	.000520	.0022727	.0123830	.000881
%RSD	2.867030	1.606825	35.09331	84.39418	.5695989	3.094938	12.20869
#1	.2088110	.2608617	-.003329	-.001201	.4002069	.3882905	-.006216
#2	.2207081	.2650339	-.005865	-.000446	.4004245	.4129876	-.007877
#3	.2121771	.2693802	-.007048	-.000203	.3963837	.3990398	-.007557

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20LX5 Acquired: 7/11/2025 6:03:51 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0005727	-.038924	.0095718
Stddev	.0067574	.003152	.0000969
%RSD	1180.006	8.097521	1.012329
#1	.0067418	-.037322	.0095823
#2	.0016256	-.036896	.0094701
#3	-.006649	-.042556	.0096631

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3600.967	34564.27	2317.269	2149.603	5284.104
Stddev	4.225	90.67	58.330	8.131	7.708
%RSD	.1173243	.2623160	2.517190	.3782669	.1458686
#1	3603.619	34547.17	2365.449	2151.063	5285.316
#2	3603.187	34662.27	2252.418	2156.905	5291.133
#3	3596.095	34483.37	2333.939	2140.840	5275.861

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20MS Acquired: 7/11/2025 6:08:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7398036**	**1.938829**	**.9700545**	**1.860194**	**.8085420**	**2.118476**	**.2429032**
Stddev	.0031407	.008562	.0024904	.006217	.0046824	.020377	.0005617
%RSD	.4245341	.4415841	.2567295	.3342131	.5791182	.9618561	.2312285
#1	.7376341	1.930418	.9675369	1.856940	.8065555	2.125465	.2433227
#2	.7383715	1.938536	.9701097	1.856279	.8051804	2.095525	.2431220
#3	.7434051	1.947534	.9725168	1.867363	.8138902	2.134439	.2422651

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2046351**	**.1921027**	**14.89644**	**.4297725**	**.2056573**	**.6567418**	**3.473600**
Stddev	.0008832	.0007860	.04936	.0006241	.0011033	.0023683	.004282
%RSD	.4316104	.4091705	.3313698	.1452121	.5364707	.3606125	.1232767
#1	.2038051	.1912047	14.92324	.4301629	.2048665	.6548143	3.474376
#2	.2055634	.1924377	14.83948	.4301019	.2051878	.6593855	3.468983
#3	.2045370	.1926657	14.92661	.4290527	.2069177	.6560254	3.477441

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2430945**	**4.748751**	**.5048896**	**.0703395**	**27.89565**	**.3240544**	**.2219182**
Stddev	.0019026	.104089	.0017165	.0013112	.14208	.0012207	.0002997
%RSD	.7826770	2.191927	.3399683	1.864124	.5093366	.3767026	.1350717
#1	.2449154	4.663283	.5034704	.0714098	27.74825	.3233200	.2222551
#2	.2411195	4.718300	.5044010	.0707318	28.03174	.3254635	.2216811
#3	.2432485	4.864670	.5067974	.0688769	27.90694	.3233797	.2218184

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.31769**	**7.126434**	**.2928766**	**.4147996**	**2.121123**	**3.045509**	**.6961272**
Stddev	.16480	.023504	.0023397	.0005694	.009750	.015438	.0024756
%RSD	1.337946	.3298092	.7988846	.1372756	.4596609	.5069034	.3556238
#1	12.23094	7.099863	.2903357	.4142218	2.109885	3.029943	.6938935
#2	12.21439	7.134931	.2949423	.4148167	2.126157	3.060815	.6956992
#3	12.50775	7.144507	.2933519	.4153603	2.127327	3.045770	.6987888

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20MS Acquired: 7/11/2025 6:08:19 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2160920	.1593479	.2625626
Stddev	.0023475	.0043431	.0004897
%RSD	1.086368	2.725575	.1865159
#1	.2133943	.1564254	.2627940
#2	.2176704	.1572796	.2628937
#3	.2172114	.1643386	.2620000

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3524.844	33953.16	2328.642	2114.253	4987.121
Stddev	4.245	81.03	6.806	6.542	9.728
%RSD	.1204393	.2386459	.2922929	.3094160	.1950569
#1	3529.656	34035.43	2335.287	2107.367	4998.352
#2	3523.246	33873.43	2321.685	2120.386	4981.356
#3	3521.629	33950.63	2328.954	2115.004	4981.655

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV10 Acquired: 7/11/2025 6:16:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.785638**	**4.765807**	**4.797495**	**4.706650**	**4.767564**	**9.571021**	**9.827998**
Stddev	.019306	.021197	.024699	.026024	.020387	.051129	.028504
%RSD	.4034181	.4447802	.5148260	.5529116	.4276263	.5342057	.2900293
#1	4.764113	4.744445	4.773973	4.676608	4.746292	9.548273	9.842789
#2	4.791375	4.766140	4.795289	4.721097	4.769466	9.629576	9.846067
#3	4.801425	4.786836	4.823223	4.722246	4.786934	9.535214	9.795139

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2423514**	**2.387109**	**23.71853**	**.9878261**	**2.391603**	**1.221578**	**4.703318**
Stddev	.0032140	.010119	.02897	.0025955	.009196	.015022	.059335
%RSD	1.326152	.4239054	.1221493	.2627541	.3845227	1.229758	1.261552
#1	.2390319	2.376977	23.70265	.9888706	2.381430	1.205549	4.641400
#2	.2454482	2.387134	23.70097	.9897366	2.394052	1.235336	4.759678
#3	.2425741	2.397215	23.75197	.9848710	2.399327	1.223848	4.708876

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.442148**	**23.63598**	**2.360849**	**1.213966**	**26.71242**	**2.492434**	**2.473111**
Stddev	.004745	.20861	.009227	.003452	.35373	.007903	.015509
%RSD	.1942913	.8825859	.3908261	.2843813	1.324201	.3170743	.6271175
#1	2.446838	23.45404	2.350933	1.216623	26.37511	2.494949	2.480203
#2	2.442255	23.59023	2.362433	1.215210	27.08055	2.498773	2.483806
#3	2.437350	23.86366	2.369181	1.210064	26.68160	2.483580	2.455323

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.96655**	**4.810198**	**4.941589**	**4.745053**	**4.729378**	**4.954994**	**4.796087**
Stddev	.33586	.018520	.048019	.018715	.020416	.070645	.020830
%RSD	1.293436	.3850207	.9717326	.3944114	.4316897	1.425726	.4343043
#1	25.59937	4.793127	4.889714	4.724661	4.714260	4.884578	4.776625
#2	26.04204	4.807577	4.984484	4.749054	4.721271	5.025866	4.793579
#3	26.25824	4.829889	4.950570	4.761445	4.752602	4.954537	4.818057

Sample Name: CCV10 Acquired: 7/11/2025 6:16:54 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.865808**	**4.759329**	**4.870733**
Stddev	.004855	.000555	.008719
%RSD	.0997761	.0116547	.1790091
#1	4.863367	4.759252	4.879875
#2	4.871399	4.759919	4.869815
#3	4.862659	4.758818	4.862509

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3484.022**	**33035.16**	**2313.336**	**2071.092**	**4640.798**
Stddev	13.655	61.09	27.573	6.356	16.148
%RSD	.3919388	.1849347	1.191911	.3068928	.3479529
#1	3499.460	32966.24	2342.840	2066.241	4658.923
#2	3479.077	33056.59	2288.220	2068.747	4635.527
#3	3473.527	33082.65	2308.947	2078.287	4627.945

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB10 Acquired: 7/11/2025 6:21:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005051**	**-.002089**	**-.000733**	**-.001402**	**.0005620**	**-.026486**
Stddev	.0018687	.001033	.001485	.001340	.0046638	.015586
%RSD	369.9906	49.43740	202.5446	95.61308	829.7916	58.84626
#1	.0025969	-.000926	-.001368	-.001185	.0029136	-.010885
#2	-.000999	-.002442	.000964	-.000183	.0035819	-.026516
#3	-.000082	-.002899	-.001796	-.002837	-.004809	-.042057

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.002302**	**.0001124**	**-.000015**	**-.018233**	**.0005756**	**-.000158**
Stddev	.000791	.0001156	.000084	.014308	.0007655	.000215
%RSD	34.35641	102.8583	567.4602	78.47343	133.0017	135.8456
#1	-.001403	-.000004	.000065	-.033631	.0003274	.000090
#2	-.002613	.000227	-.000103	-.005346	.0014344	-.000276
#3	-.002891	.000115	-.000006	-.015723	-.000035	-.000288

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000399**	**-.005204**	**.0003917**	**-.007522**	**-.000591**	**.0006202**
Stddev	.000320	.000831	.0021520	.080258	.000353	.0008699
%RSD	80.21294	15.97562	549.3633	1067.024	59.69692	140.2663
#1	-.000090	-.004249	-.000983	.025009	-.000556	.0000161
#2	-.000729	-.005599	-.000714	.051364	-.000257	.0016172
#3	-.000379	-.005764	.002872	-.098938	-.000961	.0002272

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.017554**	**-.005023**	**-.000656**	**.0081267**	**.0010458**	F **.0132788**
Stddev	.007737	.000913	.000727	.0003824	.0015749	.0013659
%RSD	44.07804	18.16898	110.8363	4.704982	150.5966	10.28619
#1	-.008782	-.004099	-.000769	.0083055	.0006204	.0144136
#2	-.020467	-.005923	-.001318	.0083868	-.000273	.0136600
#3	-.023411	-.005046	.000121	.0076877	.002790	.0117628

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCB10 Acquired: 7/11/2025 6:21:10 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000238	.0065022	-.000609	-.006414	-.000114	F -.029655
Stddev	.000200	.0011829	.002370	.000788	.002532	.015047
%RSD	83.75760	18.19273	388.8378	12.28845	2219.278	50.73988
#1	-.000009	.0051426	.001882	-.005506	.002808	-.014790
#2	-.000377	.0072955	-.002835	-.006922	-.001479	-.029297
#3	-.000329	.0070685	-.000875	-.006815	-.001671	-.044878

Elem	Sr4077
Units	ppm
Avg	-.000451
Stddev	.000267
%RSD	59.12150
#1	-.000331
#2	-.000757
#3	-.000266

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3610.923	34697.82	2387.733	2163.836	5337.986
Stddev	7.770	211.75	10.156	12.525	14.156
%RSD	.2151897	.6102585	.4253559	.5788276	.2651897
#1	3614.866	34483.04	2387.318	2151.827	5343.695
#2	3615.931	34704.03	2398.091	2162.861	5348.396
#3	3601.971	34906.40	2377.791	2176.820	5321.867

Sample Name: Q2520-20MSD Acquired: 7/11/2025 6:30:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6952192**	**1.823900**	**.9135085**	**1.753818**	**.7598009**	**2.002399**	**.2302368**
Stddev	.0021981	.003200	.0024464	.007872	.0029613	.012200	.0007971
%RSD	.3161692	.1754491	.2678033	.4488685	.3897520	.6092703	.3462183
#1	.6927614	1.821210	.9133283	1.752017	.7574072	2.009406	.2293180
#2	.6958995	1.823051	.9111572	1.747002	.7588829	1.988311	.2306495
#3	.6969967	1.827439	.9160400	1.762435	.7631125	2.009478	.2307430

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1929390**	**.1802335**	**14.36029**	**.4065791**	**.1929491**	**.6260112**	**3.280844**
Stddev	.0014588	.0002214	.04278	.0009368	.0001814	.0034180	.023363
%RSD	.7560802	.1228269	.2979129	.2304190	.0939931	.5459898	.7121047
#1	.1912991	.1800642	14.31122	.4075603	.1930729	.6221282	3.253933
#2	.1934257	.1801523	14.37984	.4056940	.1927409	.6273411	3.295941
#3	.1940921	.1804840	14.38979	.4064829	.1930335	.6285644	3.292657

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2308360**	**4.508364**	**.4753889**	**.0650669**	**27.16875**	**.3096089**	**.2108513**
Stddev	.0016678	.033513	.0002737	.0012682	.22609	.0048167	.0019656
%RSD	.7225230	.7433459	.0575666	1.949046	.8321806	1.555754	.9322277
#1	.2299137	4.502571	.4752440	.0656627	26.97220	.3041307	.2116239
#2	.2298331	4.544396	.4757045	.0659274	27.41583	.3115156	.2123134
#3	.2327613	4.478125	.4752181	.0636105	27.11821	.3131805	.2086168

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.71033**	**6.742933**	**.2793324**	**.3909040**	**2.065820**	**2.941027**	**.6558208**
Stddev	.13923	.015793	.0014532	.0006799	.005373	.022922	.0034826
%RSD	1.188986	.2342125	.5202310	.1739249	.2600694	.7793973	.5310282
#1	11.57887	6.742274	.2778012	.3903678	2.061212	2.914755	.6569610
#2	11.85622	6.727481	.2806923	.3916687	2.064526	2.956949	.6519110
#3	11.69591	6.759046	.2795038	.3906756	2.071721	2.951378	.6585903

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20MSD Acquired: 7/11/2025 6:30:06 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2044156	.1459904	.2482964
Stddev	.0012495	.0031153	.0012987
%RSD	.6112292	2.133924	.5230412
#1	.2036755	.1458572	.2482313
#2	.2037131	.1491702	.2470314
#3	.2058582	.1429438	.2496263

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3544.904	33858.45	2325.126	2111.011	5019.316
Stddev	2.589	147.09	6.775	7.052	1.540
%RSD	.0730335	.4344118	.2913954	.3340380	.0306840
#1	3547.746	33690.03	2332.806	2103.259	5021.072
#2	3542.680	33961.61	2319.994	2117.044	5018.194
#3	3544.286	33923.72	2322.579	2112.729	5018.681

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20A Acquired: 7/11/2025 6:34:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7203391**	**1.891814**	**.9443280**	**1.815478**	**.7957681**	**2.049979**	**.2374941**
Stddev	.0041034	.003445	.0031797	.003366	.0014652	.022795	.0018231
%RSD	.5696559	.1820979	.3367144	.1854286	.1841247	1.111971	.7676213
#1	.7205948	1.888394	.9479718	1.816664	.7947124	2.072884	.2365709
#2	.7243087	1.891764	.9421153	1.811679	.7951509	2.027295	.2363173
#3	.7161137	1.895283	.9428971	1.818091	.7974409	2.049758	.2395941

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1985140**	**.1871008**	**14.32446**	**.4354666**	**.2002612**	**.6318512**	**3.457726**
Stddev	.0011820	.0003511	.08586	.0007719	.0004378	.0038023	.022656
%RSD	.5954298	.1876319	.5994072	.1772608	.2186370	.6017730	.6552225
#1	.1974510	.1873837	14.27857	.4350344	.2006893	.6280447	3.431572
#2	.1997869	.1867079	14.42352	.4363578	.1998142	.6356493	3.471308
#3	.1983040	.1872108	14.27130	.4350077	.2002802	.6318598	3.470299

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2355432**	**4.588437**	**.5010988**	**.0602030**	**26.95406**	**.3234891**	**.2226825**
Stddev	.0002056	.039420	.0005368	.0069327	.12116	.0047533	.0006124
%RSD	.0872740	.8591194	.1071193	11.51557	.4495115	1.469389	.2750135
#1	.2354763	4.542998	.5017057	.0610094	26.83997	.3182292	.2222046
#2	.2357739	4.608825	.5009039	.0529024	26.94097	.3274770	.2224701
#3	.2353794	4.613488	.5006867	.0666973	27.08123	.3247611	.2233728

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.05644**	**6.912255**	**.2872057**	**.4109679**	**2.039924**	**2.974232**	**.6878319**
Stddev	.10276	.009863	.0019359	.0009830	.006991	.015467	.0006963
%RSD	.8523554	.1426956	.6740472	.2391885	.3427315	.5200408	.1012359
#1	12.14992	6.918326	.2854029	.4104706	2.045446	2.958550	.6884376
#2	12.07299	6.900875	.2892517	.4103329	2.042263	2.989476	.6879870
#3	11.94641	6.917566	.2869624	.4121002	2.032063	2.974669	.6870711

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: Q2520-20A Acquired: 7/11/2025 6:34:26 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2069946	.1583960	.2553851
Stddev	.0044131	.0054858	.0009616
%RSD	2.132008	3.463349	.3765505
#1	.2120699	.1575121	.2543331
#2	.2040606	.1642701	.2556036
#3	.2048534	.1534059	.2562188

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3524.822	33623.89	2321.904	2094.486	4989.355
Stddev	2.925	173.77	5.721	12.329	6.432
%RSD	.0829813	.5168170	.2464047	.5886203	.1289114
#1	3526.680	33496.03	2321.006	2082.317	4992.537
#2	3526.335	33821.75	2328.021	2106.968	4993.576
#3	3521.450	33553.89	2316.685	2094.174	4981.953

Reviewed By:
On:
Inst Id :P5
LB :LB136434

Sample Name: CCV11 Acquired: 7/11/2025 6:43:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.754103**	**4.713844**	**4.765893**	**4.664929**	**4.733110**	**9.569591**	**9.786624**
Stddev	.012584	.011791	.004379	.015305	.013196	.004953	.023877
%RSD	.2646984	.2501435	.0918917	.3280945	.2788033	.0517536	.2439767
#1	4.744526	4.712547	4.768124	4.647259	4.721209	9.574829	9.759615
#2	4.749426	4.702755	4.760847	4.673441	4.730821	9.564984	9.795329
#3	4.768355	4.726230	4.768708	4.674085	4.747301	9.568961	9.804927

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2410116**	**2.370208**	**23.85868**	**.9818681**	**2.372362**	**1.212303**	**4.702750**
Stddev	.0022179	.002545	.10426	.0042226	.004148	.008022	.053758
%RSD	.9202639	.1073937	.4369840	.4300628	.1748609	.6617258	1.143120
#1	.2404037	2.369179	23.78960	.9867058	2.368436	1.210392	4.687860
#2	.2391611	2.368339	23.80783	.9789218	2.371949	1.205410	4.658007
#3	.2434702	2.373107	23.97860	.9799766	2.376702	1.221109	4.762384

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.436974**	**23.65819**	**2.340246**	**1.209797**	**26.43543**	**2.456392**	**2.442280**
Stddev	.004978	.01196	.001762	.000800	.17056	.013092	.017104
%RSD	.2042633	.0505553	.0752842	.0660969	.6452096	.5329863	.7003113
#1	2.432217	23.66941	2.340808	1.210719	26.28640	2.445300	2.448018
#2	2.436556	23.65956	2.338272	1.209384	26.39843	2.453041	2.455776
#3	2.442147	23.64561	2.341658	1.209288	26.62145	2.470834	2.423045

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.85187**	**4.785361**	**4.903716**	**4.704961**	**4.695918**	**4.918398**	**4.766074**
Stddev	.19022	.005902	.029079	.010217	.004764	.032304	.009081
%RSD	.7357997	.1233435	.5929977	.2171578	.1014412	.6568088	.1905268
#1	25.78098	4.778878	4.902737	4.693523	4.695396	4.919892	4.756447
#2	25.70727	4.790425	4.875138	4.708175	4.700921	4.885372	4.767288
#3	26.06735	4.786779	4.933271	4.713184	4.691437	4.949929	4.774486

Sample Name: CCV11 Acquired: 7/11/2025 6:43:01 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCV11 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	**4.860929**	**4.748630**	**4.845755**
Stddev	.006355	.002323	.012017
%RSD	.1307354	.0489174	.2479972
#1	4.855924	4.749892	4.836166
#2	4.868079	4.745950	4.841864
#3	4.858784	4.750049	4.859236

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3501.787**	**33242.14**	**2327.031**	**2089.160**	**4662.471**
Stddev	11.512	195.25	12.578	17.020	10.244
%RSD	.3287408	.5873668	.5405331	.8146657	.2197046
#1	3514.664	33045.66	2321.570	2077.619	4673.554
#2	3492.493	33244.60	2341.417	2081.155	4653.351
#3	3498.205	33436.15	2318.106	2108.706	4660.507

Sample Name: CCB11 Acquired: 7/11/2025 6:47:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007080**	**-.001104**	**.0012350**	**.0011873**	**-.000147**	**-.029891**
Stddev	.0036247	.001673	.0015883	.0019087	.002203	.027790
%RSD	511.9604	151.5285	128.6018	160.7547	1498.462	92.96995
#1	.0018955	-.002897	.0029439	.0007129	.000691	-.055107
#2	.0035901	.000415	.0009572	.0032885	.001514	-.034469
#3	-.003362	-.000831	-.000196	-.000439	-.002646	-.000096

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000628**	**.0002203**	**-.000017**	**.0077147**	**.0006940**	**-.000341**
Stddev	.001374	.0001204	.000089	.0194360	.0004005	.000111
%RSD	218.7980	54.63184	513.7028	251.9340	57.70182	32.54847
#1	-.001896	.0001722	.000085	-.005086	.0005116	-.000213
#2	-.000821	.0003573	-.000064	.030079	.0011533	-.000395
#3	.000833	.0001315	-.000073	-.001849	.0004173	-.000415

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.000477**	**-.009012**	**-.002502**	**-.013425**	**-.000178**	**.0015505**
Stddev	.000785	.001948	.000968	.021994	.000477	.0008703
%RSD	164.5898	21.61790	38.70877	163.8284	267.8739	56.13344
#1	-.001191	-.008055	-.003457	-.032731	-.000186	.0019892
#2	-.000605	-.007728	-.002527	.010518	.000303	.0021142
#3	.000364	-.011254	-.001521	-.018063	-.000650	.0005481

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.032003**	**-.006849**	**-.000921**	**.0083737**	**.0013060**	F **.0130502**
Stddev	.005182	.006619	.000145	.0030371	.0025657	.0013901
%RSD	16.19078	96.63209	15.72370	36.26942	196.4472	10.65200
#1	-.026052	-.004259	-.000835	.0118660	.0003602	.0124629
#2	-.035514	-.001917	-.001089	.0069051	-.000652	.0146376
#3	-.034444	-.014371	-.000841	.0063501	.004210	.0120502

Sample Name: CCB11 Acquired: 7/11/2025 6:47:17 Type: Unk
Method: METHOD 6010D, 200.7 M(v32) Mode: CONC Corr. Factor: 1.000000
User: Janvi Custom ID1: CCB11 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002815	.0024674	-.003838	.0005627	.0048052	F -.030790
Stddev	.0007434	.0027007	.001633	.0003115	.0048597	.003929
%RSD	264.0430	109.4553	42.56119	55.35632	101.1354	12.76028
#1	-.000460	.0054701	-.002896	.0002513	.0060990	-.027530
#2	.001027	.0016950	-.005723	.0008743	.0088871	-.029687
#3	.000278	.0002370	-.002893	.0005625	-.000571	-.035152

Elem	Sr4077
Units	ppm
Avg	.0000894
Stddev	.0002735
%RSD	305.7356
#1	.0001266
#2	.0003424
#3	-.000201

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3570.597	34187.53	2340.284	2126.667	5301.582
Stddev	21.084	204.42	14.765	8.541	25.878
%RSD	.5904908	.5979472	.6308893	.4016023	.4881222
#1	3593.758	34297.26	2325.033	2129.550	5330.467
#2	3565.514	34313.66	2341.309	2133.393	5293.765
#3	3552.519	33951.67	2354.509	2117.058	5280.513

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168739

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 07/07/2025 **Time :** 10:15 **Temp :** 96 °C

End Digest Date: 07/07/2025 **Time :** 13:20 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SPB.

Supervisor Signature: JPP

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6015
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
CONC: HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/07/25 14:20	SPB.met dig	JPP /Met lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168739

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168739BL	PBW739	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB168739BS	LCS739	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	2
Q2488-01	RW8-SP100-20250701	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2488-02	RW8-SP303-20250701	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2503-01	GCAP2W	<2	50	25	Brown	Colorless	Cloudy	Clear	N/A	5
Q2509-01	AUD-25-0110-0111	<2	50	25	Brown	Colorless	Cloudy	Clear	N/A	6
Q2512-01	WATER-TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2512-01MS	WATER-TREATMENT DISCHARGEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	9
Q2512-01MSD	WATER-TREATMENT DISCHARGEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	10
Q2512-01DUP	WATER-TREATMENT DISCHARGEDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB168739 **WorkList ID :** 190569 **Department :** Digestion **Date :** 07-07-2025 09:37:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2488-01	RW8-SP100-20250701	Water	Metals Group4	1:1 HNO3 to pH < 2	TETR06	A42	07/01/2025	6010D
Q2488-02	RW8-SP303-20250701	Water	Metals Group4	1:1 HNO3 to pH < 2	TETR06	A42	07/01/2025	6010D
Q2503-01	GCAP2W	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	GENV01	O11	07/02/2025	6010D
Q2509-01	AUD-25-0110-0111	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	O22	07/03/2025	6010D
Q2512-01	WATER-TREATMEN DISCHAR	Water	Metals Group4	1:1 HNO3 to pH < 2	VERI01	O13	07/03/2025	6010D

Date/Time 07/07/25 09:50
Raw Sample Received by: SLG. metdiz
Raw Sample Relinquished by: IT(SM)

Date/Time 07/07/25 10:50
Raw Sample Received by: IT(SM)
Raw Sample Relinquished by: SLG. metdiz

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

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

Review By	Janvi	Review On	7/10/2025 7:19:58 PM
Supervise By	jaswal	Supervise On	7/10/2025 11:33:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/09/25 09:39		Janvi	OK
2	S1	S1	CAL2	07/09/25 09:44		Janvi	OK
3	S2	S2	CAL3	07/09/25 09:48		Janvi	OK
4	S3	S3	CAL4	07/09/25 09:52		Janvi	OK
5	S4	S4	CAL5	07/09/25 09:57		Janvi	OK
6	S5	S5	CAL6	07/09/25 10:01		Janvi	OK
7	ICV01	ICV01	ICV	07/09/25 10:05		Janvi	OK
8	LLICV01	LLICV01	LLICV	07/09/25 10:17		Janvi	OK
9	ICB01	ICB01	ICB	07/09/25 10:22		Janvi	OK
10	CRI01	CRI01	CRDL	07/09/25 10:26		Janvi	OK
11	ICSA01	ICSA01	ICSA	07/09/25 10:31		Janvi	OK
12	ICSAB01	ICSAB01	ICSAB	07/09/25 10:35		Janvi	OK
13	ICSADL	ICSADL	ICSA	07/09/25 10:39		Janvi	OK
14	ICSABDL	ICSABDL	ICSAB	07/09/25 10:44		Janvi	OK
15	CCV01	CCV01	CCV	07/09/25 10:48		Janvi	OK
16	CCB01	CCB01	CCB	07/09/25 10:57		Janvi	OK
17	Q2425-01	COMP-1	SAM	07/09/25 11:02		Janvi	OK
18	Q2425-02	COMP-2	SAM	07/09/25 11:06		Janvi	OK

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

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

Review By	Janvi	Review On	7/10/2025 7:19:58 PM
Supervise By	jaswal	Supervise On	7/10/2025 11:33:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

19	Q2425-03	COMP-3	SAM	07/09/25 11:11		Janvi	OK
20	Q2425-03DUP	COMP-3DUP	DUP	07/09/25 11:15		Janvi	OK
21	Q2425-03L	COMP-3L	SD	07/09/25 11:20		Janvi	OK
22	Q2425-03MS	COMP-3MS	MS	07/09/25 11:24		Janvi	OK
23	Q2425-03MSD	COMP-3MSD	MSD	07/09/25 11:29		Janvi	OK
24	Q2425-03A	COMP-3A	PS	07/09/25 11:33	0.1ML OF M6004 AND M6013 IN 10ML SAMPLE.	Janvi	OK
25	PB168628BL	PB168628BL	MB	07/09/25 11:38		Janvi	OK
26	PB168628BS	PB168628BS	LCS	07/09/25 11:42		Janvi	OK
27	CCV02	CCV02	CCV	07/09/25 11:47		Janvi	OK
28	CCB02	CCB02	CCB	07/09/25 11:56		Janvi	OK
29	Q2477-01	50728	SAM	07/09/25 12:10	CCB Fail for Al	Janvi	Not Ok
30	Q2477-01DUP	50728DUP	DUP	07/09/25 12:14	CCB Fail for Al	Janvi	Not Ok
31	Q2477-01L	50728L	SD	07/09/25 12:18	CCB Fail for Al	Janvi	Not Ok
32	Q2477-01MS	50728MS	MS	07/09/25 12:23	CCB Fail for Al	Janvi	Not Ok
33	Q2477-01MSD	50728MSD	MSD	07/09/25 12:27	CCB Fail for Al	Janvi	Not Ok
34	Q2477-01A	50728A	PS	07/09/25 12:31	CCB Fail for Al	Janvi	Not Ok
35	Q2473-07	PIT#3	SAM	07/09/25 12:36	NOT USE	Janvi	Not Ok
36	Q2473-08	PIT#4	SAM	07/09/25 12:40	NOT USE	Janvi	Not Ok
37	PB168748BL	PB168748BL	MB	07/09/25 12:45	CCB Fail for Al	Janvi	Not Ok

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

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

Review By	Janvi	Review On	7/10/2025 7:19:58 PM
Supervise By	jaswal	Supervise On	7/10/2025 11:33:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

38	PB168748BS	PB168748BS	LCS	07/09/25 12:49	CCB Fail for Al	Janvi	Not Ok
39	CCV03	CCV03	CCV	07/09/25 12:54		Janvi	OK
40	CCB03	CCB03	CCB	07/09/25 12:58	CCB Fail for Al	Janvi	OK
41	Q2481-01DL	CC0627-ALDL	SAM	07/09/25 13:06	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
42	Q2481-01DUPDL	CC0627-ALDUPDL	DUP	07/09/25 13:11	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
43	Q2481-011DL	CC0627-AL	SAM	07/09/25 13:16	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
44	Q2481-01MSDL	CC0627-ALMSDL	MS	07/09/25 13:20	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
45	Q2481-01MSDDL	CC0627-ALMSDDL	MSD	07/09/25 13:25	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
46	Q2481-01ADL	CC0627-ALADL	PS	07/09/25 13:30	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
47	Q2481-02DL	CC0627-CLOXPLDL	SAM	07/09/25 13:35	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
48	Q2481-03DL	CC0625-OXBLDL	SAM	07/09/25 13:40	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
49	Q2481-03DL2	CC0625-OXBLDL2	SAM	07/09/25 13:44	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
50	Q2481-04DL	CC0627-AOXLDL	SAM	07/09/25 13:49	CCB Fail for Ag, Straight 10x Dilution for all elements	Janvi	Not Ok
51	CCV04	CCV04	CCV	07/09/25 14:05		Janvi	OK
52	CCB04	CCB04	CCB	07/09/25 14:28	CCB Fail for Ag	Janvi	OK
53	Q2481-06DL	CC0267-OXPLDL	SAM	07/09/25 14:33	CCB Fail for Ag, Straight 5x Dilution for all elements	Janvi	Not Ok

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

Review By	Janvi	Review On	7/10/2025 7:19:58 PM
Supervise By	jaswal	Supervise On	7/10/2025 11:33:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

54	Q2481-07DL	CC0627-OXLDL	SAM	07/09/25 14:37	CCB Fail for Ag, Straight 5x Dilution for all elements	Janvi	Not Ok
55	Q2481-08	CC0627-CLOXAL	SAM	07/09/25 14:42	CCB Fail for Ag	Janvi	Not Ok
56	Q2481-09DL	CC0627-BLDL	SAM	07/09/25 14:46	CCB Fail for Ag, Straight 5x Dilution for all elements	Janvi	Not Ok
57	Q2481-10DL	CC0627-SFBLDL	SAM	07/09/25 14:51	CCB Fail for Ag, Straight 5x Dilution for all elements	Janvi	Not Ok
58	Q2481-05DL	CC0625-NLDL	SAM	07/09/25 14:56	CCB Fail for Ag, Straight 5x Dilution for all elements	Janvi	Not Ok
59	Q2509-01	AUD-25-0110-0111	SAM	07/09/25 15:00	CCB Fail for Ag	Janvi	Not Ok
60	Q2512-01	WATER TREATMENT	SAM	07/09/25 15:05	CCB Fail for Ag	Janvi	Not Ok
61	Q2488-01	RW8-SP100-2025070	SAM	07/09/25 15:10		Janvi	OK
62	PB168705TB	PB168705TB	MB	07/09/25 15:14	CCB Fail for Ag	Janvi	Not Ok
63	CCV05	CCV05	CCV	07/09/25 15:27		Janvi	OK
64	CCB05	CCB05	CCB	07/09/25 15:33	CCB Fail for Ag	Janvi	OK
65	Q2503-01	GCAP2W	SAM	07/09/25 15:37	CCB Fail for Ag	Janvi	Not Ok
66	Q2512-01DUP	WATER TREATMENT	DUP	07/09/25 15:43	CCB Fail for Ag	Janvi	Not Ok
67	Q2512-01L	WATER TREATMENT	SD	07/09/25 15:47	CCB Fail for Ag	Janvi	Not Ok
68	Q2512-01MS	WATER TREATMENT	MS	07/09/25 15:52	CCB Fail for Ag	Janvi	Not Ok
69	Q2512-01MSD	WATER TREATMENT	MSD	07/09/25 15:56	CCB Fail for Ag	Janvi	Not Ok
70	Q2512-01A	WATER TREATMENT	PS	07/09/25 16:01	CCB Fail for Ag	Janvi	Not Ok
71	PB168712BL	PB168712BL	MB	07/09/25 16:05	CCB Fail for Ag	Janvi	Not Ok
72	PB168712BS	PB168712BS	LCS	07/09/25 16:09	CCB Fail for Ag	Janvi	Not Ok

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

Review By	Janvi	Review On	7/10/2025 7:19:58 PM
Supervise By	jaswal	Supervise On	7/10/2025 11:33:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

73	CCV06	CCV06	CCV	07/09/25 16:39		Janvi	OK
74	CCB06	CCB06	CCB	07/09/25 16:43		Janvi	OK
75	Q2488-02	RW8-SP303-2025070	SAM	07/09/25 16:52		Janvi	OK
76	Q2487-15	G1(0-6)	SAM	07/09/25 17:14	Bad injection	Janvi	Not Ok
77	Q2484-02	TP-57	SAM	07/09/25 17:19		Janvi	OK
78	Q2484-03	TP-64	SAM	07/09/25 17:23		Janvi	OK
79	Q2484-04	TP-107	SAM	07/09/25 17:28		Janvi	OK
80	Q2484-05	TP-106	SAM	07/09/25 17:32		Janvi	OK
81	Q2484-06	TP-104	SAM	07/09/25 17:37	NOT USE	Janvi	Not Ok
82	Q2484-06DUP	TP-104DUP	DUP	07/09/25 17:41	NOT USE	Janvi	Not Ok
83	Q2484-06L	TP-104L	SD	07/09/25 17:46	NOT USE	Janvi	Not Ok
84	CCV07	CCV07	CCV	07/09/25 17:50		Janvi	OK
85	CCB07	CCB07	CCB	07/09/25 17:54		Janvi	OK
86	Q2484-06MS	TP-104MS	MS	07/09/25 17:59	Bad injection	Janvi	Not Ok
87	Q2484-06MSD	TP-104MSD	MSD	07/09/25 18:03	Bad injection	Janvi	Not Ok
88	Q2484-06A	TP-104A	PS	07/09/25 18:08	NOT USE	Janvi	Not Ok
89	Q2487-09	G4(0-6)	SAM	07/09/25 18:12		Janvi	OK
90	Q2487-10	G4(6-12)	SAM	07/09/25 18:17		Janvi	OK
91	Q2487-11	G3(0-6)	SAM	07/09/25 18:21	Zn high	Janvi	Dilution
92	Q2487-12	G3(6-12)	SAM	07/09/25 18:26		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

Review By	Janvi	Review On	7/10/2025 7:19:58 PM
Supervise By	jaswal	Supervise On	7/10/2025 11:33:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

93	Q2487-13	G2(0-6)	SAM	07/09/25 18:31		Janvi	OK
94	PB168689TB	PB168689TB	MB	07/09/25 18:35		Janvi	OK
95	Q2473-02	PIT#2	SAM	07/09/25 18:40		Janvi	OK
96	CCV08	CCV08	CCV	07/09/25 18:54		Janvi	OK
97	CCB08	CCB08	CCB	07/09/25 18:58		Janvi	OK
98	Q2487-16	G1(6-12)	SAM	07/09/25 19:03	Zn high	Janvi	Dilution
99	Q2503-01DL	GCAP2WDL	SAM	07/09/25 19:08	NOT USE	Janvi	Not Ok
100	PB168740BL	PB168740BL	MB	07/09/25 19:12	LCS fail for K	Janvi	Not Ok
101	PB168740BS	PB168740BS	LCS	07/09/25 19:16	LCS fail for K	Janvi	Not Ok
102	Q2503-05	GCAP2A	SAM	07/09/25 19:21		Janvi	OK
103	Q2513-01	HR-2-070325	SAM	07/09/25 19:25		Janvi	OK
104	Q2513-03	HR-3-070325	SAM	07/09/25 19:30		Janvi	OK
105	Q2514-01	TP-92	SAM	07/09/25 19:34		Janvi	OK
106	Q2514-02	TP-93	SAM	07/09/25 19:39		Janvi	OK
107	Q2514-03	TP-94	SAM	07/09/25 19:43		Janvi	OK
108	CCV09	CCV09	CCV	07/09/25 19:48		Janvi	OK
109	CCB09	CCB09	CCB	07/09/25 19:52		Janvi	OK
110	Q2514-04	TP-96	SAM	07/09/25 19:56		Janvi	OK
111	Q2514-05	TP-97	SAM	07/09/25 20:01		Janvi	OK
112	Q2514-06	TP-103	SAM	07/09/25 20:05		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

Review By	Janvi	Review On	7/10/2025 7:19:58 PM
Supervise By	jaswal	Supervise On	7/10/2025 11:33:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

113	Q2514-07	TP-36	SAM	07/09/25 20:10		Janvi	OK
114	Q2514-08	TP-78	SAM	07/09/25 20:14		Janvi	OK
115	Q2514-09	TP-81	SAM	07/09/25 20:19		Janvi	OK
116	Q2514-10	TP-90	SAM	07/09/25 20:23		Janvi	OK
117	Q2515-01	WC-1	SAM	07/09/25 20:28	NOT USE	Janvi	Not Ok
118	Q2515-01DUP	WC-1DUP	DUP	07/09/25 20:32	NOT USE	Janvi	Not Ok
119	Q2515-01L	WC-1L	SD	07/09/25 20:37	NOT USE	Janvi	Not Ok
120	CCV10	CCV10	CCV	07/09/25 20:41		Janvi	OK
121	CCB10	CCB10	CCB	07/09/25 20:45		Janvi	OK
122	Q2515-01MS	WC-1MS	MS	07/09/25 20:50	Bad Injection	Janvi	Not Ok
123	Q2515-01MSD	WC-1MSD	MSD	07/09/25 20:54	NOT USE	Janvi	Not Ok
124	Q2515-01A	WC-1A	PS	07/09/25 20:59	NOT USE	Janvi	Not Ok
125	Q2487-14	G2(6-12)	SAM	07/09/25 21:03	Zn high	Janvi	Dilution
126	Q2487-15DL	G1(0-6)DL	SAM	07/09/25 21:08	NOT USE	Janvi	Not Ok
127	CCV11	CCV11	CCV	07/09/25 21:12		Janvi	OK
128	CCB11	CCB11	CCB	07/09/25 21:16		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/10/25 16:46		Janvi	OK
2	S1	S1	CAL2	07/10/25 16:50		Janvi	OK
3	S2	S2	CAL3	07/10/25 16:55		Janvi	OK
4	S3	S3	CAL4	07/10/25 16:59		Janvi	OK
5	S4	S4	CAL5	07/10/25 17:03		Janvi	OK
6	S5	S5	CAL6	07/10/25 17:07		Janvi	OK
7	ICV01	ICV01	ICV	07/10/25 18:39	ICV fail for K,Ag (200.7) (95-105)	Janvi	OK
8	LLICV01	LLICV01	LLICV	07/10/25 18:51		Janvi	OK
9	ICB01	ICB01	ICB	07/10/25 18:55		Janvi	OK
10	CRI01	CRI01	CRDL	07/10/25 19:01		Janvi	OK
11	ICSA01	ICSA01	ICSA	07/10/25 19:11		Janvi	OK
12	ICSAB01	ICSAB01	ICSAB	07/10/25 19:15		Janvi	OK
13	ICSADL	ICSADL	ICSA	07/10/25 19:20		Janvi	OK
14	ICSABDL	ICSABDL	ICSAB	07/10/25 19:24		Janvi	OK
15	CCV01	CCV01	CCV	07/10/25 19:43		Janvi	OK
16	CCB01	CCB01	CCB	07/10/25 19:54		Janvi	OK
17	Q2532-01	001-WILLETS-PT-BL	SAM	07/10/25 19:58		Janvi	OK
18	Q2532-02	002-35th-Ave(May)	SAM	07/10/25 20:03		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

19	Q2533-01	001 WILLETS PT BLV	SAM	07/10/25 20:08		Janvi	OK
20	Q2533-02	002-35th-Ave(JUNE)	SAM	07/10/25 20:12		Janvi	OK
21	Q2509-01	AUD-25-0110-0111	SAM	07/10/25 20:17		Janvi	OK
22	Q2512-01	WATER TREATMENT	SAM	07/10/25 20:21		Janvi	OK
23	Q2520-04	A-4	SAM	07/10/25 20:26		Janvi	OK
24	Q2520-04DUP	A-4DUP	DUP	07/10/25 20:30	Wrong Qc	Janvi	Not Ok
25	Q2520-04L	A-4L	SD	07/10/25 20:35	Wrong Qc	Janvi	Not Ok
26	Q2520-04MS	A-4MS	MS	07/10/25 20:55	Wrong Qc , confirm wt/vol	Janvi	Not Ok
27	CCV02	CCV02	CCV	07/10/25 20:59		Janvi	OK
28	CCB02	CCB02	CCB	07/10/25 21:04		Janvi	OK
29	Q2520-04MSD	A-4MSD	MSD	07/10/25 21:09	Wrong Qc , confirm wt/vol	Janvi	Not Ok
30	Q2520-04A	A-4A	PS	07/10/25 21:14	Wrong Qc	Janvi	Not Ok
31	PB168772BL	PB168772BL	MB	07/10/25 21:18	LCS fail for Fe	Janvi	Not Ok
32	Q2512-01DUP	WATER TREATMENT	DUP	07/10/25 21:27	K oversaturated	Janvi	Dilution
33	PB168772BS	PB168772BS	LCS	07/10/25 21:31	LCS fail for Fe	Janvi	Not Ok
34	Q2512-01L	WATER TREATMENT	SD	07/10/25 21:36		Janvi	OK
35	Q2512-01MS	WATER TREATMENT	MS	07/10/25 21:50	K oversaturated	Janvi	Dilution
36	Q2512-01MSD	WATER TREATMENT	MSD	07/10/25 21:59	K oversaturated	Janvi	Dilution
37	Q2512-01A	WATER TREATMENT	PS	07/10/25 22:03	K oversaturated	Janvi	Dilution
38	PB168705TB	PB168705TB	MB	07/10/25 22:07		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

39	CCV03	CCV03	CCV	07/10/25 22:32		Janvi	OK
40	CCB03	CCB03	CCB	07/10/25 22:36		Janvi	OK
41	Q2477-01	50728	SAM	07/10/25 22:41	confirm wt/vol	Janvi	OK
42	Q2477-01DUP	50728DUP	DUP	07/10/25 22:45		Janvi	OK
43	Q2477-01L	50728L	SD	07/10/25 22:49		Janvi	OK
44	Q2477-01MS	50728MS	MS	07/10/25 22:54		Janvi	OK
45	Q2477-01MSD	50728MSD	MSD	07/10/25 22:58		Janvi	OK
46	Q2477-01A	50728A	PS	07/10/25 23:02		Janvi	OK
47	Q2473-07	PIT#3	SAM	07/10/25 23:07		Janvi	OK
48	Q2473-08	PIT#4	SAM	07/10/25 23:11		Janvi	OK
49	PB168748BL	PB168748BL	MB	07/10/25 23:16		Janvi	OK
50	PB168748BS	PB168748BS	LCS	07/10/25 23:20		Janvi	OK
51	CCV04	CCV04	CCV	07/10/25 23:29		Janvi	OK
52	CCB04	CCB04	CCB	07/10/25 23:53		Janvi	OK
53	Q2512-01DL	WATER TREATMENT	SAM	07/10/25 23:57	5x for K	Janvi	Confirms
54	Q2512-01DUPDL	WATER TREATMENT	DUP	07/11/25 00:02	5x for K	Janvi	Confirms
55	Q2512-01LDL	WATER TREATMENT	SD	07/11/25 00:07		Janvi	OK
56	Q2512-01MSDL	WATER TREATMENT	MS	07/11/25 00:11	5x for K	Janvi	Confirms
57	Q2512-01MSDDL	WATER TREATMENT	MSD	07/11/25 00:16	5x for K	Janvi	Confirms
58	Q2512-01ADL	WATER TREATMENT	PS	07/11/25 00:20	5x for K	Janvi	Confirms

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

59	PB168712BL	PB168712BL	MB	07/11/25 00:25		Janvi	OK
60	PB168712BS	PB168712BS	LCS	07/11/25 00:30		Janvi	OK
61	PB168740BL	PB168740BL	MB	07/11/25 00:34		Janvi	OK
62	PB168740BS	PB168740BS	LCS	07/11/25 00:38		Janvi	OK
63	CCV05	CCV05	CCV	07/11/25 00:47		Janvi	OK
64	CCB05	CCB05	CCB	07/11/25 00:51		Janvi	OK
65	PB168739BL	PB168739BL	MB	07/11/25 00:56		Janvi	OK
66	PB168739BS	PB168739BS	LCS	07/11/25 01:00		Janvi	OK
67	Q2481-01DL	CC0627-ALDL	SAM	07/11/25 01:04	Straight 10x for All elements	Janvi	OK
68	Q2481-01DUPDL	CC0627-ALDUPDL	DUP	07/11/25 01:09	Straight 10x for All elements	Janvi	OK
69	Q2481-01LDL	CC0627-ALLDL	SD	07/11/25 01:14	Straight 50x for All elements	Janvi	OK
70	Q2481-01MSDL	CC0627-ALMSDL	MS	07/11/25 01:19	Straight 10x for All elements	Janvi	OK
71	Q2481-01MSDDL	CC0627-ALMSDDL	MSD	07/11/25 01:24	Straight 10x for All elements	Janvi	OK
72	Q2481-01ADL	CC0627-ALADL	PS	07/11/25 01:29	Straight 10x for All elements	Janvi	OK
73	Q2481-02DL	CC0627-CLOXPLDL	SAM	07/11/25 01:34	Straight 10x for All elements	Janvi	OK
74	Q2481-03DL	CC0625-OXBLDL	SAM	07/11/25 01:39	Straight 10x for All elements	Janvi	OK
75	CCV06	CCV06	CCV	07/11/25 01:47		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

76	CCB06	CCB06	CCB	07/11/25 02:23		Janvi	OK
77	Q2481-04DL	CC0627-AOXLDL	SAM	07/11/25 02:27	Straight 5x for All elements	Janvi	OK
78	Q2481-05DL	CC0625-NLDL	SAM	07/11/25 02:32	Straight 5x for All elements	Janvi	OK
79	Q2481-06DL	CC0267-OXPLDL	SAM	07/11/25 02:36	Straight 5x for All elements	Janvi	OK
80	Q2481-07DL	CC0627-OXLDL	SAM	07/11/25 02:41	Straight 5x for All elements	Janvi	OK
81	Q2481-08	CC0627-CLOXAL	SAM	07/11/25 02:45		Janvi	OK
82	Q2481-09DL	CC0627-BLDL	SAM	07/11/25 02:50	Straight 10x for All elements	Janvi	OK
83	Q2481-10DL	CC0627-SFBLDL	SAM	07/11/25 02:55	Straight 5x for All elements	Janvi	OK
84	Q2481-03DL2	CC0625-OXBLDL2	SAM	07/11/25 02:59	NOT USE	Janvi	Not Ok
85	Q2487-11DL	G3(0-6)DL	SAM	07/11/25 03:04	5x for Zn, Still Zn high	Janvi	Dilution
86	Q2487-16DL	G1(6-12)DL	SAM	07/11/25 03:08	5x for Zn, Still Zn high	Janvi	Dilution
87	CCV07	CCV07	CCV	07/11/25 03:17		Janvi	OK
88	CCB07	CCB07	CCB	07/11/25 03:26		Janvi	OK
89	Q2487-14DL	G2(6-12)DL	SAM	07/11/25 03:30	5x for Zn	Janvi	Confirms
90	Q2520-21	A-21	SAM	07/11/25 03:34		Janvi	OK
91	Q2520-22	A-22	SAM	07/11/25 03:39		Janvi	OK
92	Q2520-23	A-23	SAM	07/11/25 03:43		Janvi	OK
93	PB168771BL	PB168771BL	MB	07/11/25 03:48		Janvi	OK
94	PB168771BS	PB168771BS	LCS	07/11/25 03:52		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

95	Q2520-01	A-1	SAM	07/11/25 03:56		Janvi	OK
96	Q2520-02	A-2	SAM	07/11/25 04:01		Janvi	OK
97	Q2520-03	A-3	SAM	07/11/25 04:05		Janvi	OK
98	Q2520-04RE	A-4RE	SAM	07/11/25 04:10	NOT USE	Janvi	Not Ok
99	CCV08	CCV08	CCV	07/11/25 04:18		Janvi	OK
100	CCB08	CCB08	CCB	07/11/25 04:27	CCB fail for Ag	Janvi	OK
101	Q2520-05	A-5	SAM	07/11/25 04:31		Janvi	OK
102	Q2520-06	A-6	SAM	07/11/25 04:36	Bad injection	Janvi	Not Ok
103	Q2520-07	A-7	SAM	07/11/25 04:40		Janvi	OK
104	Q2520-08	A-8	SAM	07/11/25 04:44		Janvi	OK
105	Q2520-09	A-9	SAM	07/11/25 04:49		Janvi	OK
106	Q2520-10	A-10	SAM	07/11/25 04:53		Janvi	OK
107	Q2520-11	A-11	SAM	07/11/25 04:58		Janvi	OK
108	Q2520-12	A-12	SAM	07/11/25 05:02		Janvi	OK
109	Q2520-13	A-13	SAM	07/11/25 05:06		Janvi	OK
110	Q2520-14	A-14	SAM	07/11/25 05:11		Janvi	OK
111	CCV09	CCV09	CCV	07/11/25 05:19		Janvi	OK
112	CCB09	CCB09	CCB	07/11/25 05:24		Janvi	OK
113	Q2520-15	A-15	SAM	07/11/25 05:33		Janvi	OK
114	Q2520-16	A-16	SAM	07/11/25 05:37		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

115	Q2520-17	A-17	SAM	07/11/25 05:41		Janvi	OK
116	Q2520-18	A-18	SAM	07/11/25 05:46		Janvi	OK
117	Q2520-19	A-19	SAM	07/11/25 05:50		Janvi	OK
118	Q2520-20	A-20	SAM	07/11/25 05:55		Janvi	OK
119	Q2520-20DUP	A-20DUP	DUP	07/11/25 05:59		Janvi	OK
120	Q2520-20L	A-20L	SD	07/11/25 06:03		Janvi	OK
121	Q2520-20MS	A-20MS	MS	07/11/25 06:08		Janvi	OK
122	CCV10	CCV10	CCV	07/11/25 06:16		Janvi	OK
123	CCB10	CCB10	CCB	07/11/25 06:21		Janvi	OK
124	Q2520-20MSD	A-20MSD	MSD	07/11/25 06:30		Janvi	OK
125	Q2520-20A	A-20A	PS	07/11/25 06:34		Janvi	OK
126	CCV11	CCV11	CCV	07/11/25 06:43		Janvi	OK
127	CCB11	CCB11	CCB	07/11/25 06:47		Janvi	OK

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Prep Standard - Chemical Standard Summary

Order ID : Q2488

Test : Metals Group4

Prepbatch ID : PB168739,

Sequence ID/Qc Batch ID: LB136407,LB136434,

Standard ID :
MP85156,MP86192,MP86193,MP86194,MP86195,MP86196,MP86211,MP86212,MP86214,MP86216,MP86217,MP86218,MP86219,MP86220,

Chemical ID :
M5467,M5470,M5471,M5499,M5658,M5747,M5748,M5751,M5798,M5799,M5800,M5801,M5811,M5814,M5816,M5820,M5942,M5962,M5970,M5984,M5985,M5996,M5997,M6007,M6015,M6021,M6023,M6028,M6030,M6032,M6058,M6076,M6127,M6128,M6137,M6142,M6144,M6145,M6146,M6151,M6152,M6155,M6158,M6159,M6162,M6163,M6164,M6165,W3112,

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP85156	04/07/2025	08/18/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 04/07/2025

FROM 1250.00000ml of M6151 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP86192	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 125.00000ml of M6151 + 2350.00000ml of W3112 + 25.00000ml of M6162 = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
907	ICP AES STD S (S5)	MP86193	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 5.00000ml of M5467 + 5.00000ml of M5470 + 5.00000ml of M5816 + 5.00000ml of M5820 + 5.00000ml of M5970 + 5.00000ml of M5996 + 5.00000ml of M5997 + 5.00000ml of M6076 + 5.00000ml of M6146 + 455.00000ml of MP86192 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
910	ICP AES STD S4	MP86194	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 50.00000ml of MP86192 + 50.00000ml of MP86193 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
909	ICP AES STD S3	MP86195	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 25.00000ml of MP86193 + 75.00000ml of MP86192 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3913	ICP AES STD S2	MP86196	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 16.00000ml of MP86193 + 184.00000ml of MP86192 = Final Quantity: 200.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2950	ICP AES S1/CRI STOCK STD	MP86211	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 0.03000ml of M5798 + 0.03000ml of M6028 + 0.04000ml of M6137 + 0.05000ml of M5658 + 0.05000ml of M5811 + 0.05000ml of M6030 + 0.05000ml of M6159 + 0.06000ml of M5747 + 0.10000ml of M5471 + 0.10000ml of M5751 + 0.10000ml of M5801 + 0.10000ml of M5820 + 0.10000ml of M5962 + 0.10000ml of M5970 + 0.10000ml of M6128 + 0.15000ml of M5800 + 0.20000ml of M5748 + 0.20000ml of M5799 + 0.20000ml of M6021 + 0.20000ml of M6023 + 0.20000ml of M6145 + 0.25000ml of M5467 + 0.25000ml of M6146 + 0.50000ml of M5814 + 0.50000ml of M6032 + 1.00000ml of M5499 + 1.00000ml of M5942 + 1.00000ml of M6127 + 1.00000ml of M6142 + 1.00000ml of M6144 + 2.00000ml of M5816 + 89.29000ml of MP86192 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2951	ICP AES S1/CRI WORK STD	MP86212	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 2.00000ml of MP86211 + 98.00000ml of MP86192 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
904	ICP AES ICSA SOLN	MP86214	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 10.00000ml of M6152 + 80.00000ml of MP86192 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
911	ICP AES CCV SOLN	MP86216	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 50.00000ml of MP86192 + 50.00000ml of MP86193 = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
919	ICP AES INTERNAL STD	MP86217	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 1.00000ml of M5984 + 10.00000ml of M5985 + 1969.00000ml of W3112 + 20.00000ml of M6162 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
903	ICP AES RINSE SOLN	MP86218	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 200.00000ml of M6162 + 9800.00000ml of W3112 = Final Quantity: 10000.000 ml

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Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4163	NEW ICV-060925	MP86219	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 0.20000ml of M6058 + 0.20000ml of M6163 + 0.20000ml of M6164 + 0.20000ml of M6165 + 49.20000ml of MP86192 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3494	ICP AES ICSAB SOLN-1	MP86220	06/25/2025	07/18/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 07/03/2025

FROM 0.10000ml of M6076 + 10.00000ml of M6152 + 10.00000ml of M6155 + 79.90000ml of MP86192 = Final Quantity: 100.000 ml

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57058 / Cerium, 1000PPM, 100ML	020623	02/06/2026	03/06/2023 / bin	03/01/2023 / bin	M5467

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	082922	08/29/2025	04/14/2025 / jaswal	03/16/2023 / jaswal	M5470

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	082922	08/29/2025	04/14/2025 / jaswal	03/16/2023 / jaswal	M5471

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	04/17/2025 / Janvi	03/17/2023 / bin	M5499

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.	/ Lead (Pb) 1000PPM	100923	10/09/2026	05/20/2024 / Jaswal	12/20/2023 / jaswal	M5747

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Nickel (Ni) 1000PPM	091223	09/12/2026	01/02/2024 / bin	12/20/2023 / jaswal	M5748

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	051523	05/15/2026	02/06/2025 / kareem	01/03/2024 / jaswal	M5811

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57005 / B, 1000 PPM, 125 ml	071123	07/11/2026	03/26/2024 / Sohil	01/03/2024 / jaswal	M5814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTI1-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	06/18/2024 / Jaswal	02/22/2024 / Jaswal	M5942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57003 / Li, 1000 PPM, 125 ml	061224	06/21/2027	07/01/2024 / Jaswal	07/01/2024 / Jaswal	M5970

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGY10-1 / YTTRIUM 125mL 10,000ug/mL	V2-Y740548	02/20/2029	08/05/2024 / kareem	06/14/2024 / Jaswal	M5984

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGIN10-5 / INDIUM 1 x 500 ml	U2-IN729349	02/21/2028	10/08/2024 / Jaswal	06/14/2024 / Jaswal	M5985

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL	T2-MEB714417	01/27/2027	05/07/2024 / JANVI	02/22/2024 / kareem	M5996

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	T2-MEB727800	12/21/2027	02/03/2025 / JANVI	02/22/2024 / kareem	M5997

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-1 / Laboratory Fortified Stock Solution 1, 125 ml	T2-MEB723367	05/27/2026	05/27/2025 / Janvi	05/14/2024 / Jaswal	M6007

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-2 / Laboratory Fortified Stock Solution 2, 125 ml	U2-MEB731108	03/17/2028	06/19/2025 / MOHAN	05/14/2024 / Jaswal	M6015

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / Tl, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	010924	01/09/2027	01/14/2025 / Jaswal	08/05/2024 / Jaswal	M6032

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti	V2-MEB746173	01/29/2026	01/29/2025 / JANVI	08/22/2024 / Jaswal	M6058

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	V2-MEB746762	01/01/2026	01/01/2025 / kareem	09/19/2024 / kareem	M6076

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	112124	11/21/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6127

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	101124	10/11/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSI1-1 / SILICON 125mL 1000ug/mL	V2-SI744713	07/10/2029	01/14/2025 / Jaswal	10/03/2024 / Jaswal	M6137

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	103024	10/30/2027	05/06/2025 / JANVI	01/13/2025 / Jaswal	M6142

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	072424	07/24/2027	01/23/2025 / kareem	01/13/2025 / Jaswal	M6144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	121724	12/17/2027	02/04/2025 / jaswal	01/13/2025 / Jaswal	M6145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	071724	07/17/2027	01/31/2025 / kareem	10/18/2024 / kareem	M6146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICP) STOCK SOLN	ICSA-1211	08/24/2025	02/24/2025 / kareem	04/20/2021 / kareem	M6152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSAB (ICP) STOCK SOLN	ICSB-0710	06/30/2025	02/10/2025 / kareem	02/09/2024 / kareem	M6155

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	03/25/2029	03/10/2025 / Eman	02/02/2025 / Sagar	M6158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011325	03/18/2026	03/18/2025 / kareem	02/09/2025 / kareem	M6159

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24H0162012	11/27/2025	05/27/2025 / Sagar	04/27/2025 / Sagar	M6162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-1-125ML / EPA CLP ICP Verification Standard1	V2-MEB744107	05/22/2029	06/09/2025 / jaswal	06/06/2025 / jaswal	M6163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-2-125ML / EPA CLP ICP Verification Standard2	U2-MEB733713	06/01/2028	06/09/2025 / jaswal	06/09/2025 / jaswal	M6164

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-3-125ML / EPA CLP ICP Verification Standard3	V2-MEB749572	01/02/2030	06/09/2025 / jaswal	06/09/2025 / jaswal	M6165

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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Certified Reference Material CRM

M6032

R: 8/5/24

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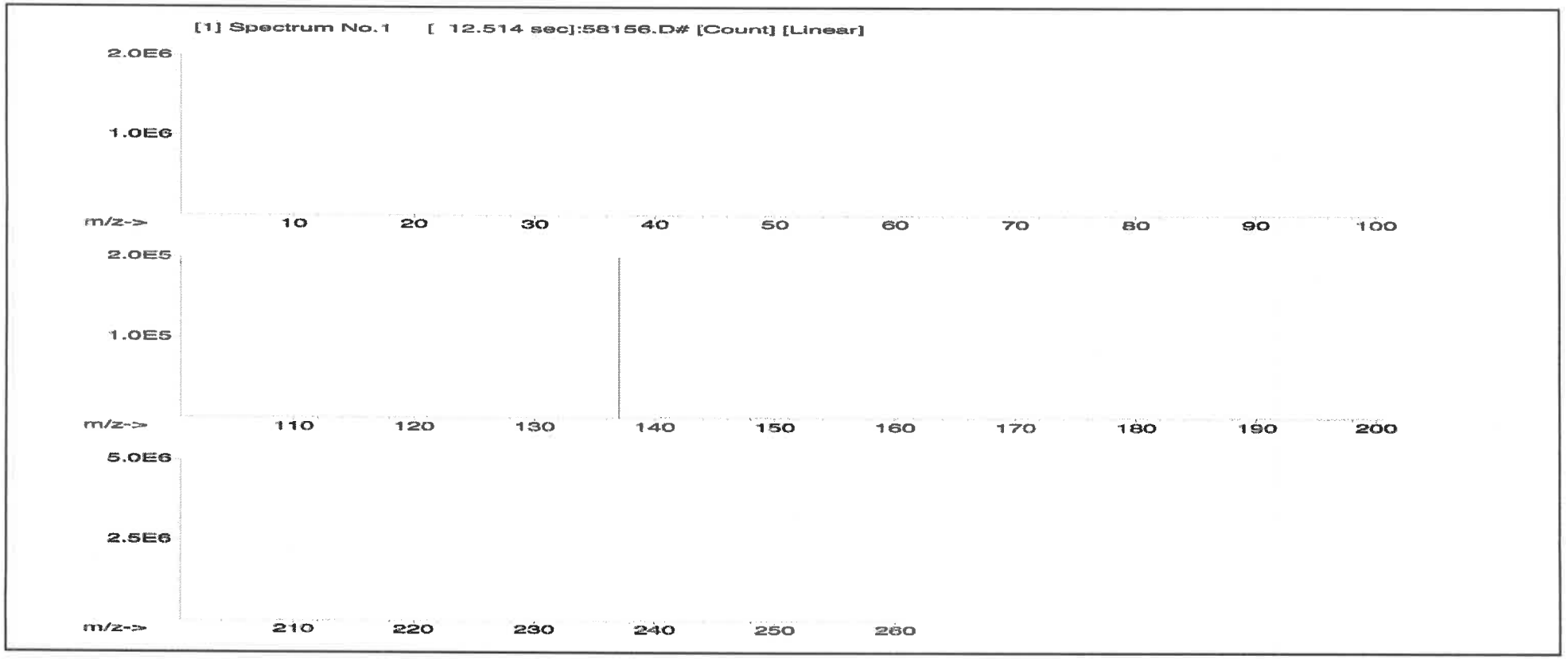
CERTIFIED WEIGHT REPORT:

Part Number:	**57056**		**Solvent:**	24002546	Nitric Acid
Lot Number:	**010924**				
Description:	**Barium (Ba)**			2%	40.0 (mL) Nitric Acid
Expiration Date:	010927				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Giovanni Esposito	
Formulated By:	Giovanni Esposito 010924
Pedro Rentas	
Reviewed By:	Pedro L. Rentas 010924

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Barium nitrate (Ba)	IN023	BAD022019A1	1000	99.999	0.10	52.3	3.82417	3.82441	**1000.1**	**2.0**	10022-31-8	0.5 mg/m3	orl-rat 355 mg/kg	3104a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certified Reference Material CRM

M6028

R 8/5/24

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CERTIFIED WEIGHT REPORT:

Part Number:	**57048**			**Lot #**	
Lot Number:	**070124**		**Solvent:**	24002546	Nitric Acid
Description:	**Cadmium (Cd)**				
			2%	40.0 (mL)	Nitric Acid
Expiration Date:	070127				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty		

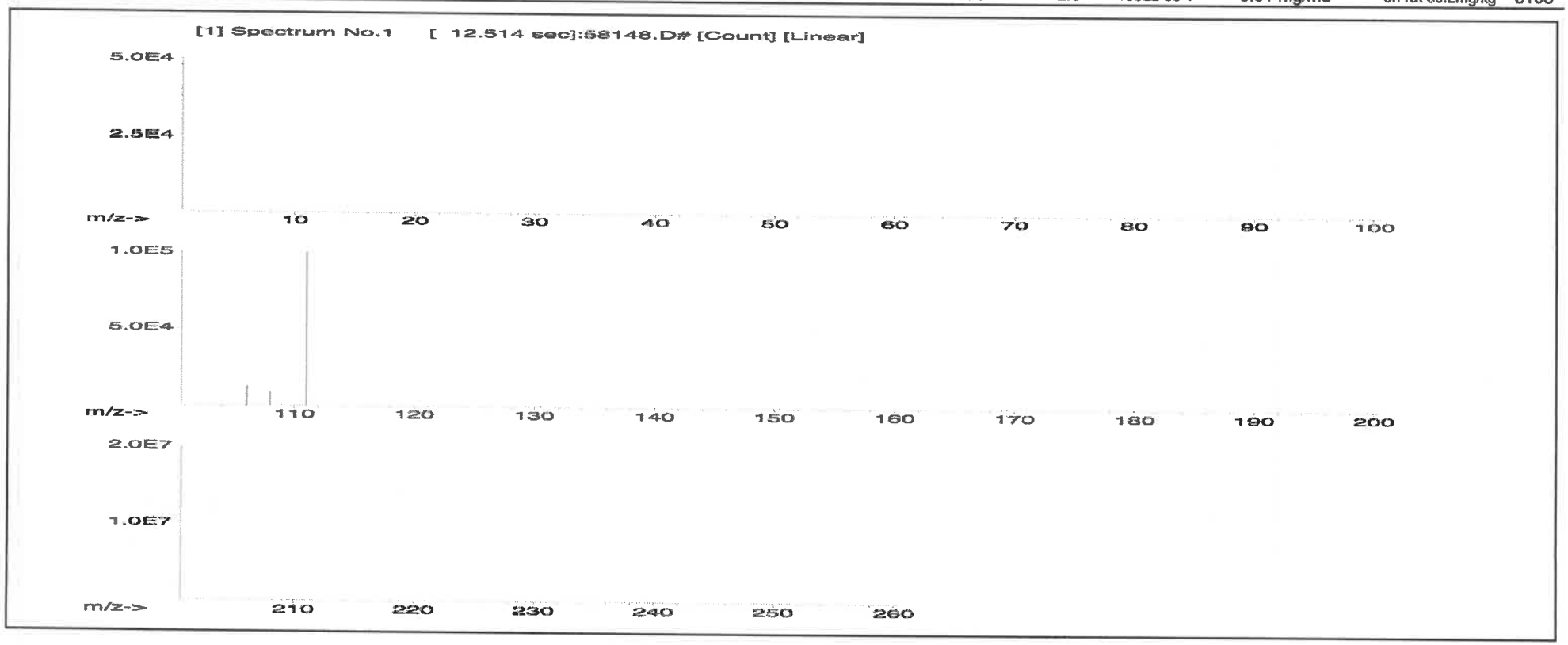
Aleah O'Brady

Formulated By:	Aleah O'Brady	070124

Pedro Rentas

Reviewed By:	Pedro L. Rentas	070124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cadmium nitrate tetrahydrate (Cd)	IN024	CDM092021A1	1000	99.999	0.10	36.5	5.4797	5.4804	**1000.1**	**2.0**	10022-68-1	0.01 mg/m3	orl-rat 60.2mg/kg	3108



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	T	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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R : 01/03/24. M5810, M5811

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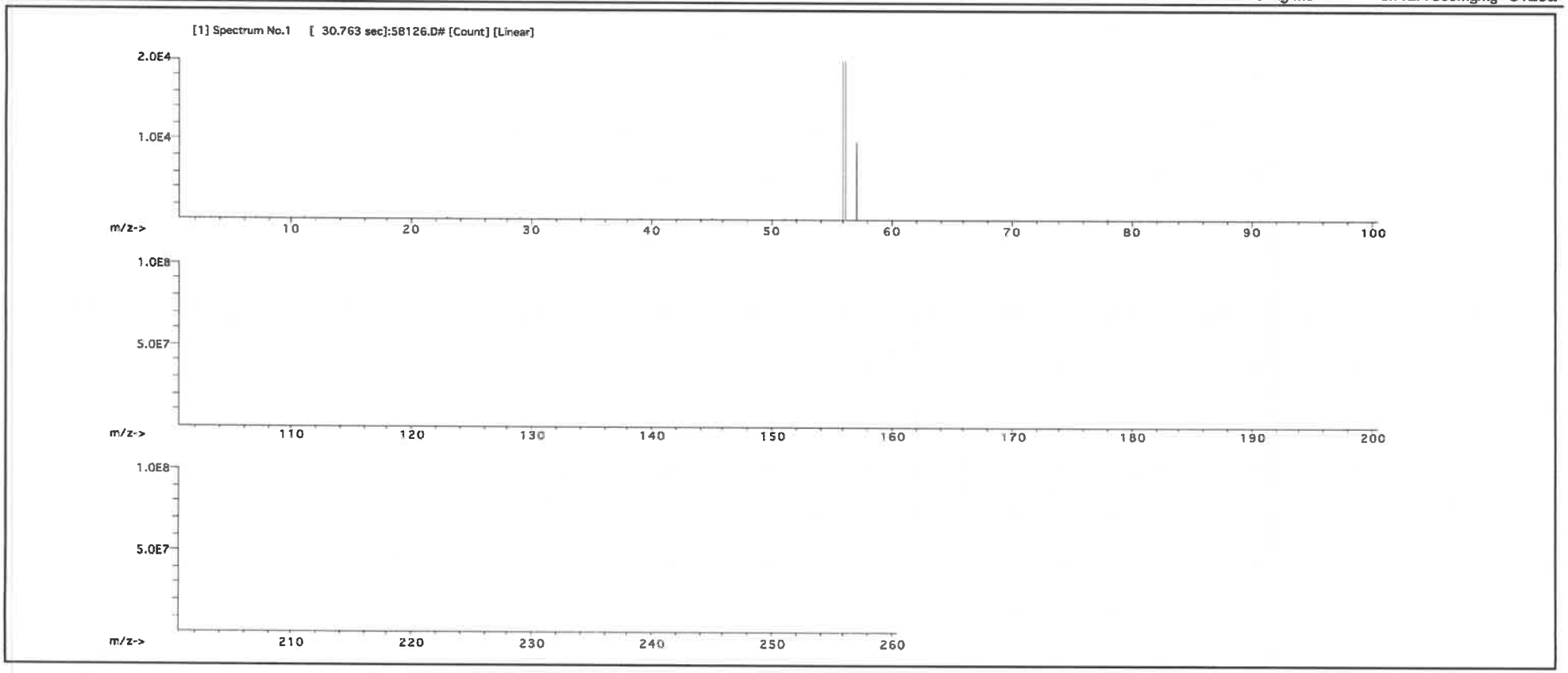
CERTIFIED WEIGHT REPORT:

Part Number:	**58126**			**Lot #**	
Lot Number:	**051523**	**Solvent:**	21110221	Nitric Acid	
Description:	**Iron (Fe)**		5.0%	250.0 (mL)	Nitric Acid
Expiration Date:	051526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	5000.1	0.12	Flask Uncertainty		

Giovanni Esposito

Formulated By:	Giovanni Esposito	051523
Reviewed By:	Pedro L. Rentas	051523

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Iron (Fe)	IN346	2302010-500	10000	99.995	0.10	100.0	50.0034	50.0111	**10001.5**	**20.0**	7439-89-6	5 mg/m3	orl-rat 7500mg/kg	3126a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.05	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.10	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.10
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-1
Lot Number:	T2-MEB723367
Matrix:	5% (v/v) HNO3

Value / Analyte(s):	1 000 µg/mL ea: Potassium,	
	600 µg/mL ea: Phosphorus,	
	300 µg/mL ea: Sodium,	Iron,
	200 µg/mL ea: Magnesium, Cerium, Thallium,	Aluminum, Selenium,
	100 µg/mL ea: Lead,	Calcium,
	80 µg/mL ea: Arsenic,	
	70 µg/mL ea: Mercury,	
	50 µg/mL ea: Nickel,	
	40 µg/mL ea: Chromium,	
	30 µg/mL ea: Copper, Vanadium,	Boron,
	20 µg/mL ea: Zinc, Barium, Cadmium, Manganese,	Strontium, Beryllium, Cobalt, Lithium,
	7.5 µg/mL ea: Silver	

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	200.0 ± 0.7 µg/mL	Arsenic, As	80.0 ± 0.7 µg/mL
Barium, Ba	20.00 ± 0.09 µg/mL	Beryllium, Be	20.00 ± 0.13 µg/mL
Boron, B	30.00 ± 0.18 µg/mL	Cadmium, Cd	20.00 ± 0.09 µg/mL
Calcium, Ca	100.0 ± 0.4 µg/mL	Cerium, Ce	200.0 ± 0.8 µg/mL
Chromium, Cr	40.00 ± 0.30 µg/mL	Cobalt, Co	20.00 ± 0.10 µg/mL
Copper, Cu	30.00 ± 0.13 µg/mL	Iron, Fe	300.0 ± 1.3 µg/mL
Lead, Pb	100.0 ± 0.4 µg/mL	Lithium, Li	20.00 ± 0.08 µg/mL
Magnesium, Mg	200.0 ± 0.8 µg/mL	Manganese, Mn	20.00 ± 0.08 µg/mL
Mercury, Hg	70.0 ± 0.3 µg/mL	Nickel, Ni	50.00 ± 0.22 µg/mL
Phosphorus, P	600.0 ± 2.7 µg/mL	Potassium, K	1 000 ± 4 µg/mL
Selenium, Se	200.0 ± 1.3 µg/mL	Silver, Ag	7.50 ± 0.03 µg/mL
Sodium, Na	300.0 ± 1.4 µg/mL	Strontium, Sr	20.01 ± 0.08 µg/mL
Thallium, Tl	200.0 ± 1.4 µg/mL	Vanadium, V	30.00 ± 0.13 µg/mL
Zinc, Zn	20.00 ± 0.09 µg/mL		

Density: 1.034 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Ce	ICP Assay	3110	090504
Ce	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
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- 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**

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

August 30, 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

- **August 30, 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:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

INORGANIC VENTURES

Refine your results. Redefine your industry.

Certificate of Analysis

RD:05/14/2024

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 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-2
Lot Number:	U2-MEB731108
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Silica, 80 µg/mL ea: Antimony, 70 µg/mL ea: Tin, 40 µg/mL ea: Molybdenum, 20 µg/mL ea: Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	80.1 ± 0.6 µg/mL	Molybdenum, Mo	40.03 ± 0.18 µg/mL
Silica, SiO2	200.2 ± 1.3 µg/mL	Tin, Sn	70.0 ± 0.4 µg/mL
Titanium, Ti	20.01 ± 0.13 µg/mL		

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
SiO2	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925
Ti	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

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 17, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 17, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5467 R: 03/01/23 (LA)

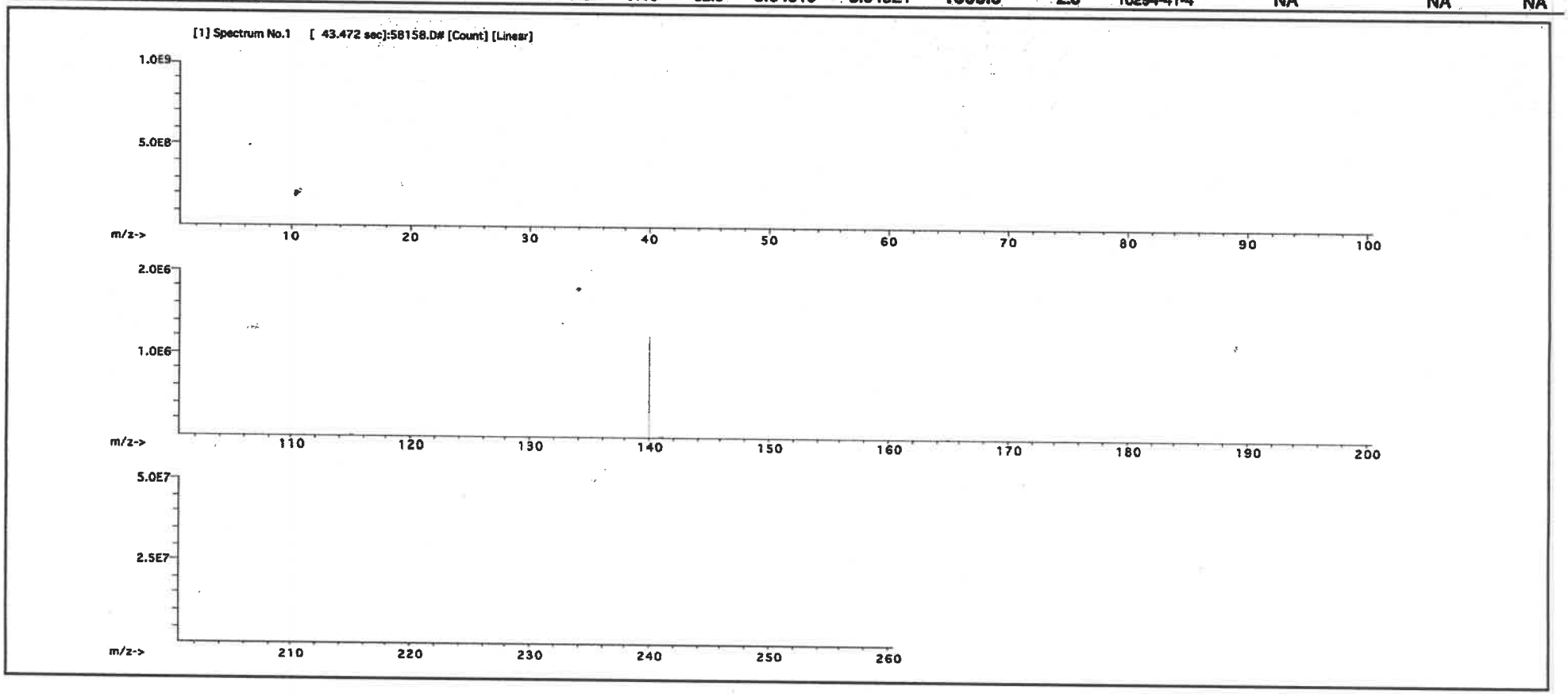
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:	57058		**Lot #**	
Lot Number:	020623	**Solvent:**	21110221	Nitric Acid
Description:	Cerium (Ce)			
		2%	20.0 (mL)	Nitric Acid
Expiration Date:	020626			
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):	1000.12	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	020623
Reviewed By:	Pedro L. Rentas	020623

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cerium nitrate hexahydrate (Ce)	IN146	Z512CEB1	1000	99.999	0.10	32.8	3.04919	3.04921	**1000.0**	**2.0**	10294-41-4	NA	NA	NA



2288-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	T	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

M5493 – M5708
Rad on 4/14/23
JMG

avantor™ | J.T.Baker®

Material No.: 3624-01
Batch No.: 0000281938
Manufactured Date: 2021-06-07
Retest Date: 2026-06-07
Revision No.: 2

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 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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Certified Reference Material CRM

M5658 R ! 8/25/23

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AR-1539 Certificate Number
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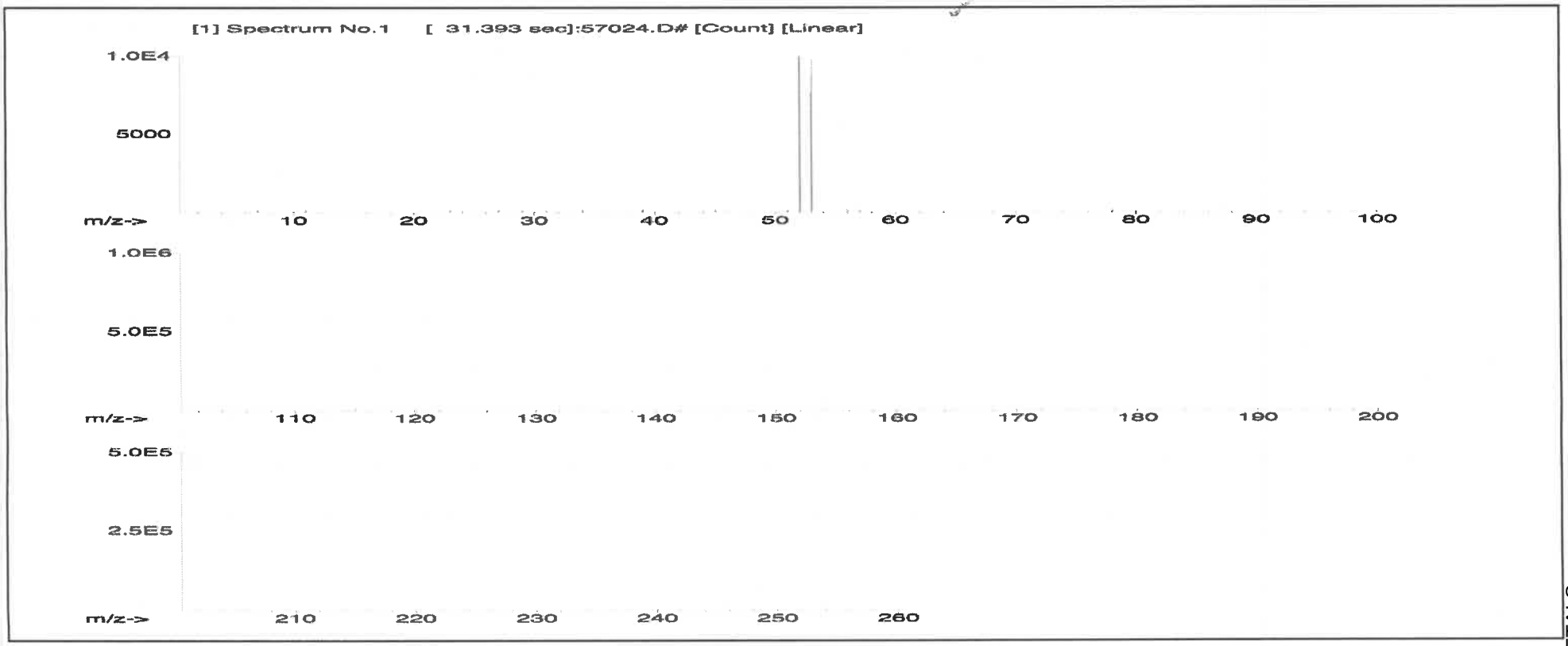
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58024**	21110221	Nitric Acid	
Lot Number:	**060523**			
Description:	**Chromium (Cr)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	060526			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Lawrence Barry	060523
Reviewed By:	Pedro L. Rentas	060523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Chromium(III) nitrate nonahydrate (Cr)	58124	071122	0.1000	200.0	0.084	1000	10000.1	**1000.0**	**2.2**	7789-02-8	0.5 mg(Cr)/m3	orl-rat 3250 mg/kg	3112a



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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).

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Certified Reference Material CRM

R: 12/20/23 M5747

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT:

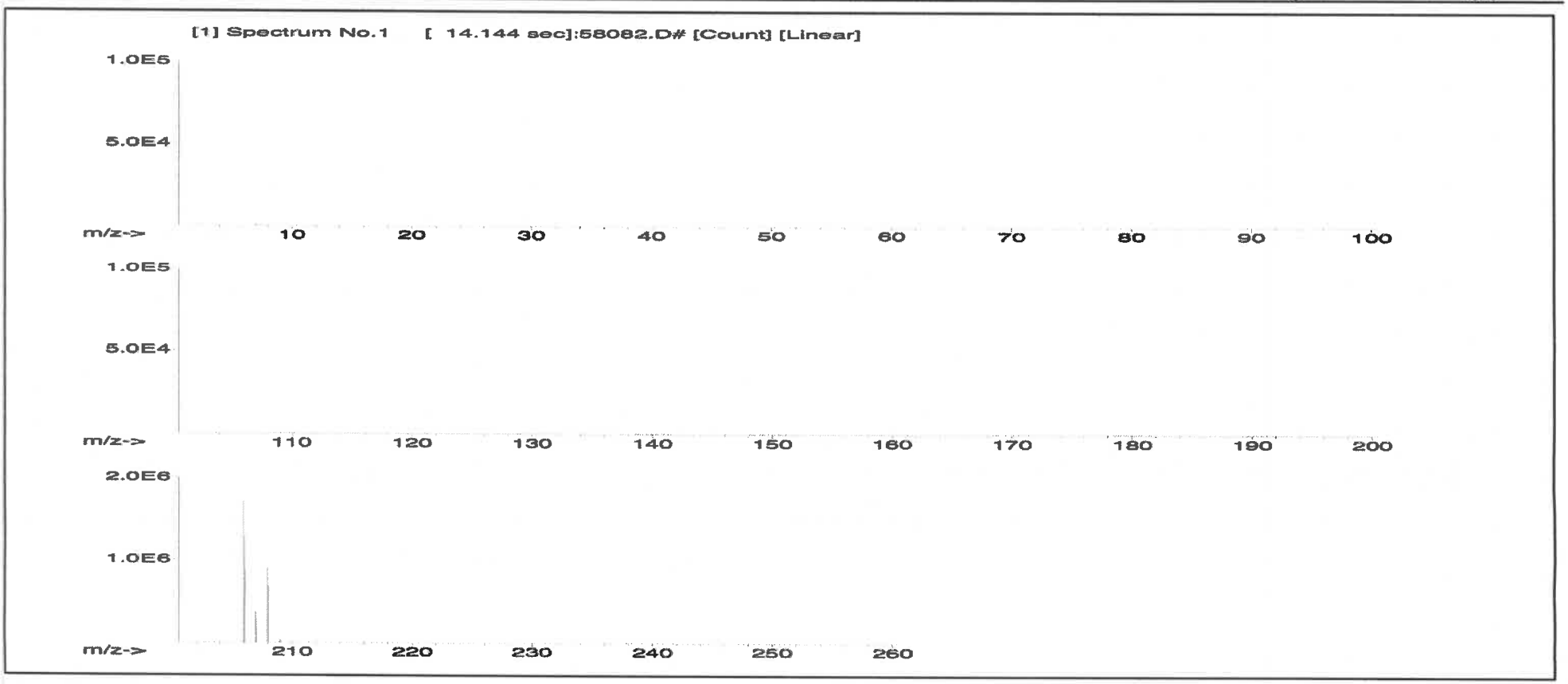
Part Number: 57082
Lot Number: 100923
Description: Lead (Pb)

Expiration Date: 100926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 3000.41 5E-05 Balance Uncertainty 0.06 Flask Uncertainty

	Lot #	
Solvent:	24002546	Nitric Acid
2%	60.0 (mL)	Nitric Acid

Formulated By:	Lawrence Barry	100923
Reviewed By:	Pedro L. Rentas	100923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lead(II) nitrate (Pb)	IN029	PBD122016A1	1000	99.999	0.10	62.5	4.80071	4.80077	**1000.0**	**2.0**	10099-74-8	0.05 mg/m3	intrvns-rat 93 mg/kg	3128



Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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R: 12/20/23 M5748

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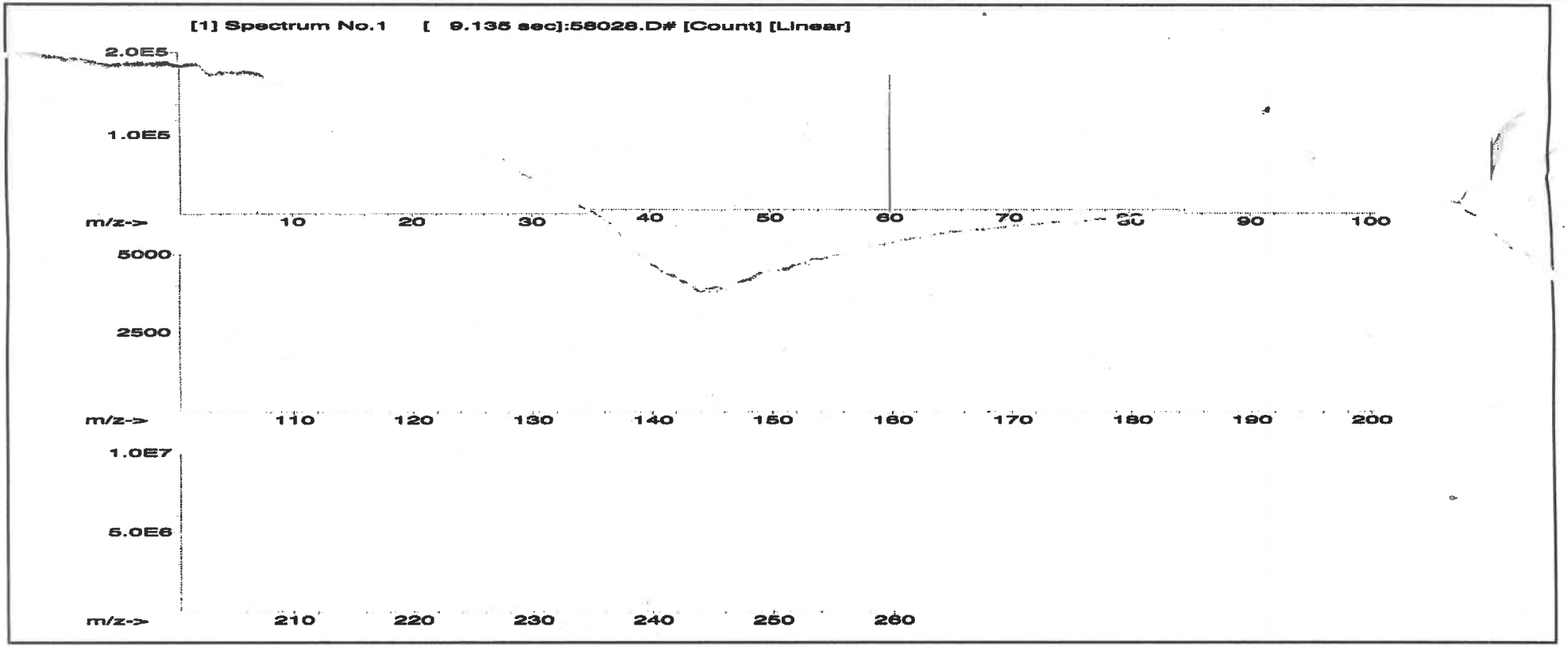
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57028**	24002546	Nitric Acid		
Lot Number:	**091223**				
Description:	**Nickel (Ni)**				
		2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091226				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091223
Reviewed By:	Pedro L. Rentas	091223

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Nickel(II) nitrate hexahydrate (Ni)	58128	062023	0.1000	200.0	0.084	1000	10000.4	**1000.0**	2.2	13478-00-7	1 mg/m3	orl-rat 1620 mg/kg	3136



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AR-1539 Certificate Number
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	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.

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R: 8/25/23 M5751

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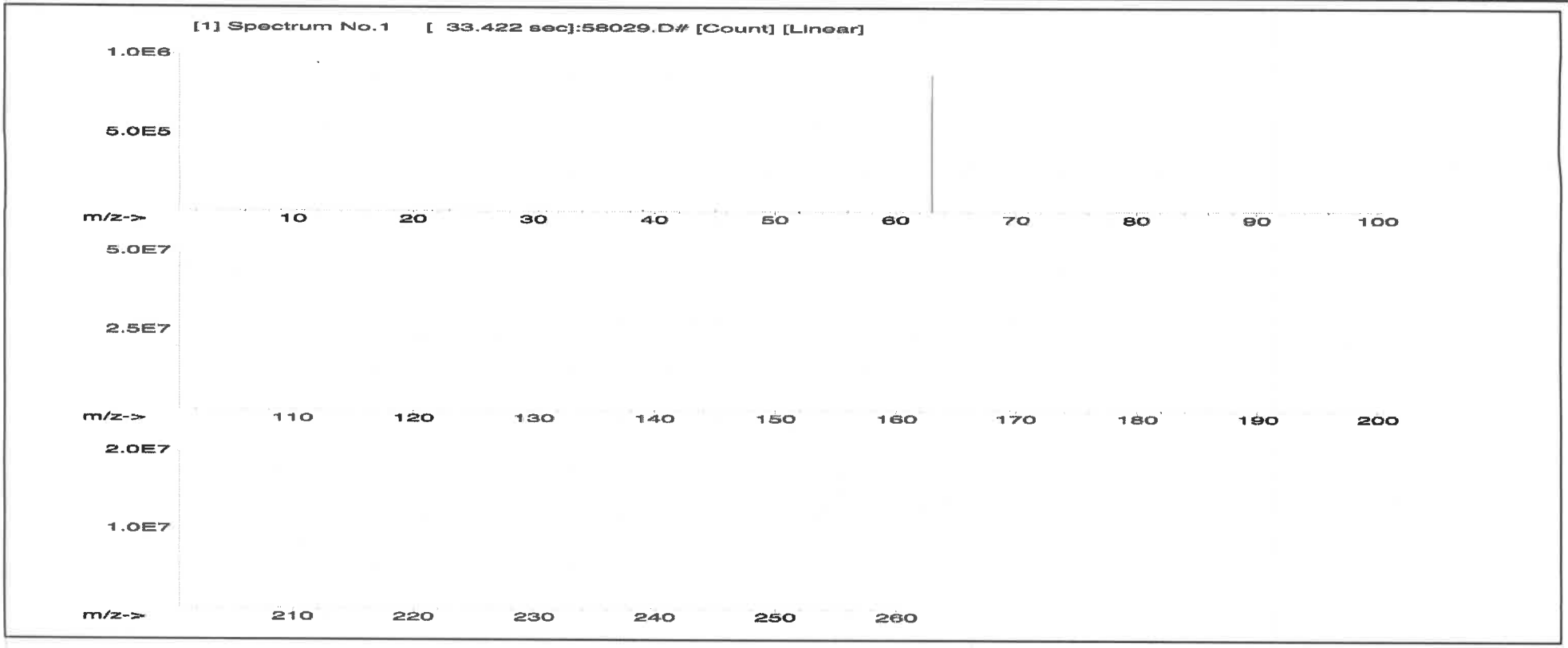
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**58029**	21110221	Nitric Acid	
Lot Number:	**071723**			
Description:	**Copper (Cu)**	2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071726			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty	

Formulated By:	Benson Chan	071723
Reviewed By:	Pedro L. Rentas	071723

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Copper(II) nitrate trihydrate (Cu)	58129	022723	0.1000	200.0	0.084	1000	10000.5	**1000.0**	**2.2**	10031-43-3	1 mg/m3	orl-rat 794 mg/kg	3114



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R: 02/09/24 M5798

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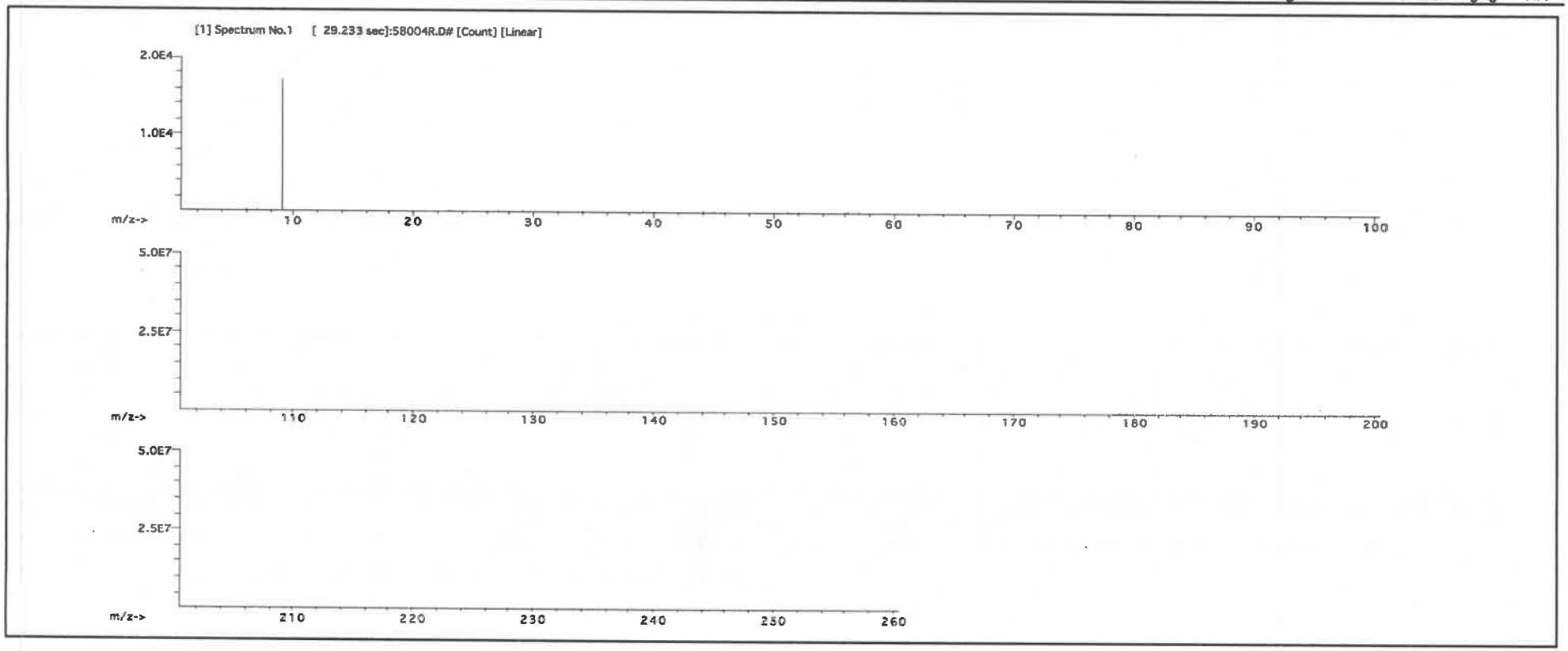
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57004**	24002546	Nitric Acid		
Lot Number:	**102523**				
Description:	**Beryllium (Be)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	102526				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	**1000.0**	**2.2**	13597-99-4	0.2ug/m3	intrvns-rat 3.16mg/kg	NA



Q2388-METALS

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R? 02/09/24 IV15799

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CERTIFIED WEIGHT REPORT:

Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

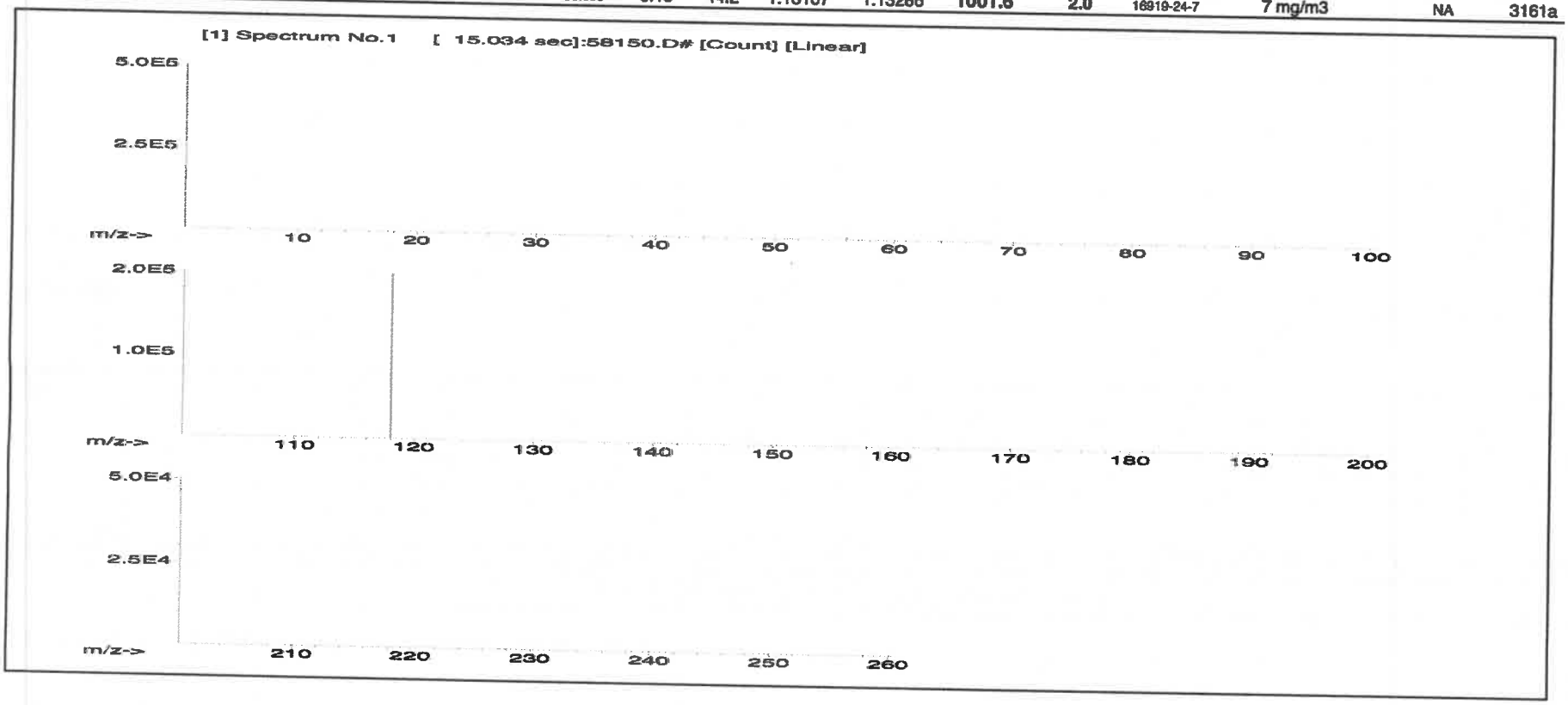
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93

Solvents:	Lot #	
	21110221	Nitric Acid
	22D0562008	Hydrochloric acid
2%	10.0	Nitric Acid
6%	30.0	Hydrochloric acid
	(mL)	

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium hexafluorostannate(IV) (Sn)	IN010	SND042023A1	1000	99.999	0.10	44.2	1.13107	1.13286	**1001.6**	**2.0**	16919-24-7	7 mg/m3	NA	3161a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	T	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

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R: 02/09/24 IM5800 BH

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AR-1539 Certificate Number
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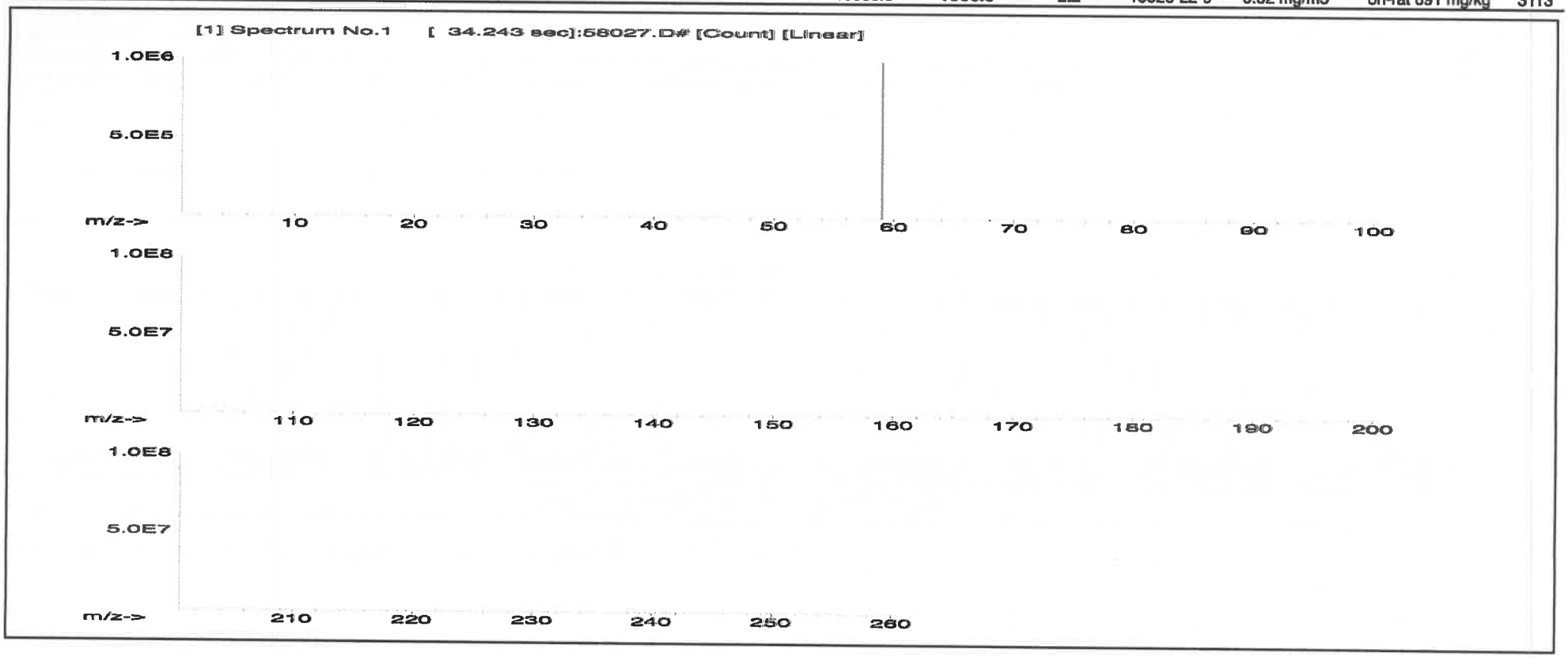
CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57027**	24002546	Nitric Acid		
Lot Number:	**091923**				
Description:	**Cobalt (Co)**	2.0%	40.0 (mL)	Nitric Acid	
Expiration Date:	091926				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By: Lawrence Barry 091923

Reviewed By: Pedro L. Rentas 091923

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Cobalt(II) nitrate hexahydrate (Co)	58127	050923	0.1000	200.0	0.084	1000	10000.0	**1000.0**	2.2	10026-22-9	0.02 mg/m3	orl-rat 691 mg/kg	3113



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Gé	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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R: 02/09/24 M5801 BH

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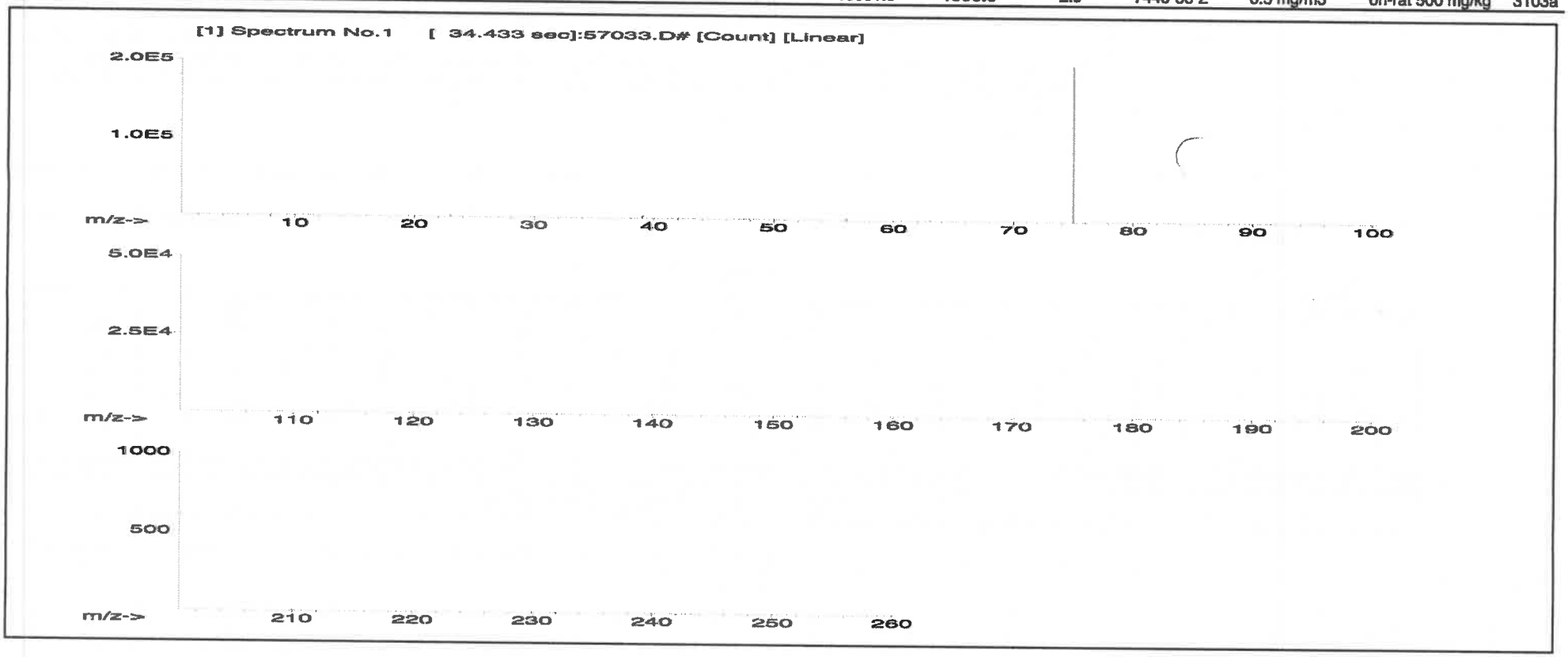
CERTIFIED **WEIGHT** REPORT:

		Lot #	Solvent:		
Part Number:	**57033**	24002546	Nitric Acid		
Lot Number:	**111323**				
Description:	**Arsenic (As)**	2.0%	80.0 (mL)	Nitric Acid	
Expiration Date:	111326				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Volume shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty		

Formulated By:	Lawrence Barry	111323
Reviewed By:	Pedro L. Rentas	111323

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	**1000.0**	2.0	7440-38-2	0.5 mg/m3	orl-rat 500 mg/kg	3103a



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Certified Reference Material CRM

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	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).

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A: 02/09/24 M.5814

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CERTIFIED WEIGHT REPORT:

Part Number: 57005
Lot Number: 071123
Description: Boron (B)

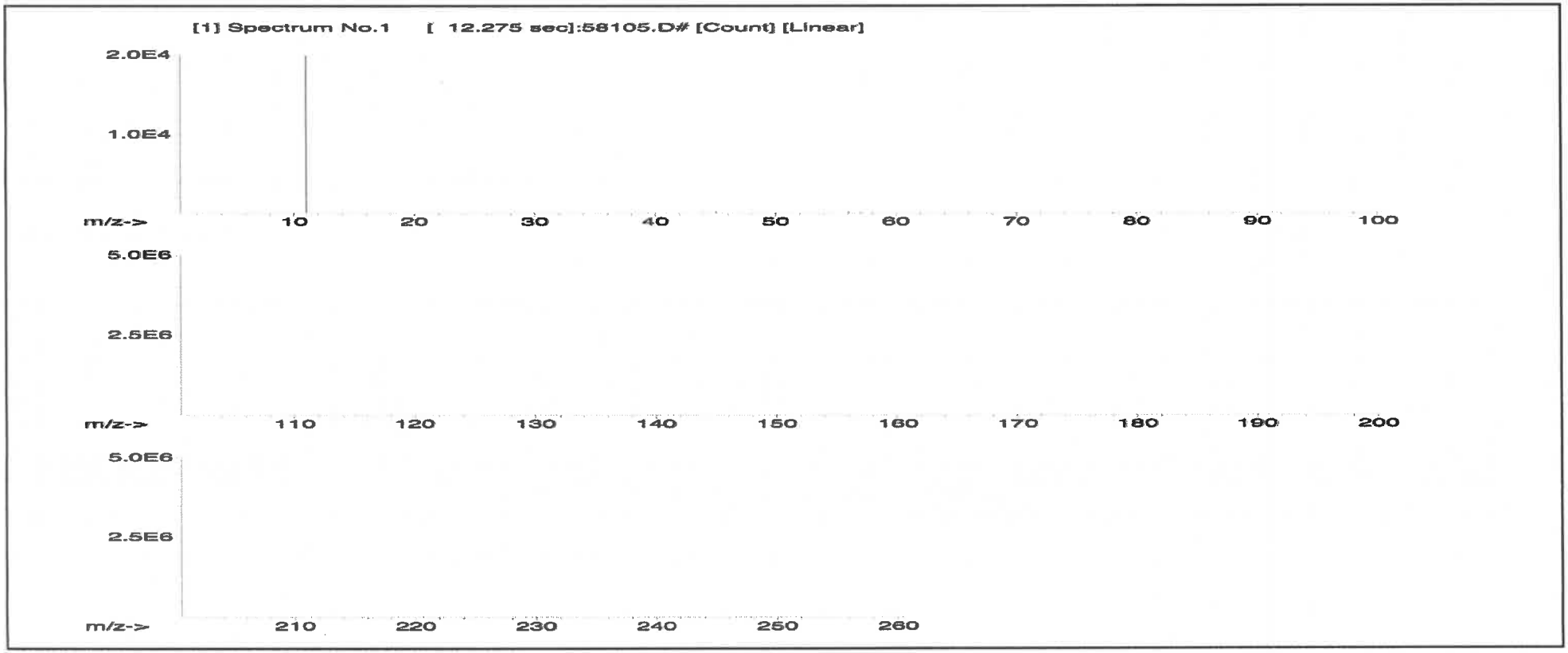
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 1999.48 0.058 Flask Uncertainty

	Lot #			
Solvent:	MKBQ8597V	Ammonium hydroxide		
	2.0%	40.0 (mL)	Ammonium hydroxide	
		5E-05	Balance Uncertainty	

Formulated By:	Benson Chan	071123
Reviewed By:	Pedro L. Rentas	071123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Boric acid (B)	IN018	BV092016A1	1000	99.9999	0.10	17.3	11.55772	11.56201	**1000.4**	**2.0**	10043-35-3	2 mg/m3	orl-rat 2660 mg/kg	3107



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	T	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Certified Reference Material CRM

R: 02/09/24 M5816

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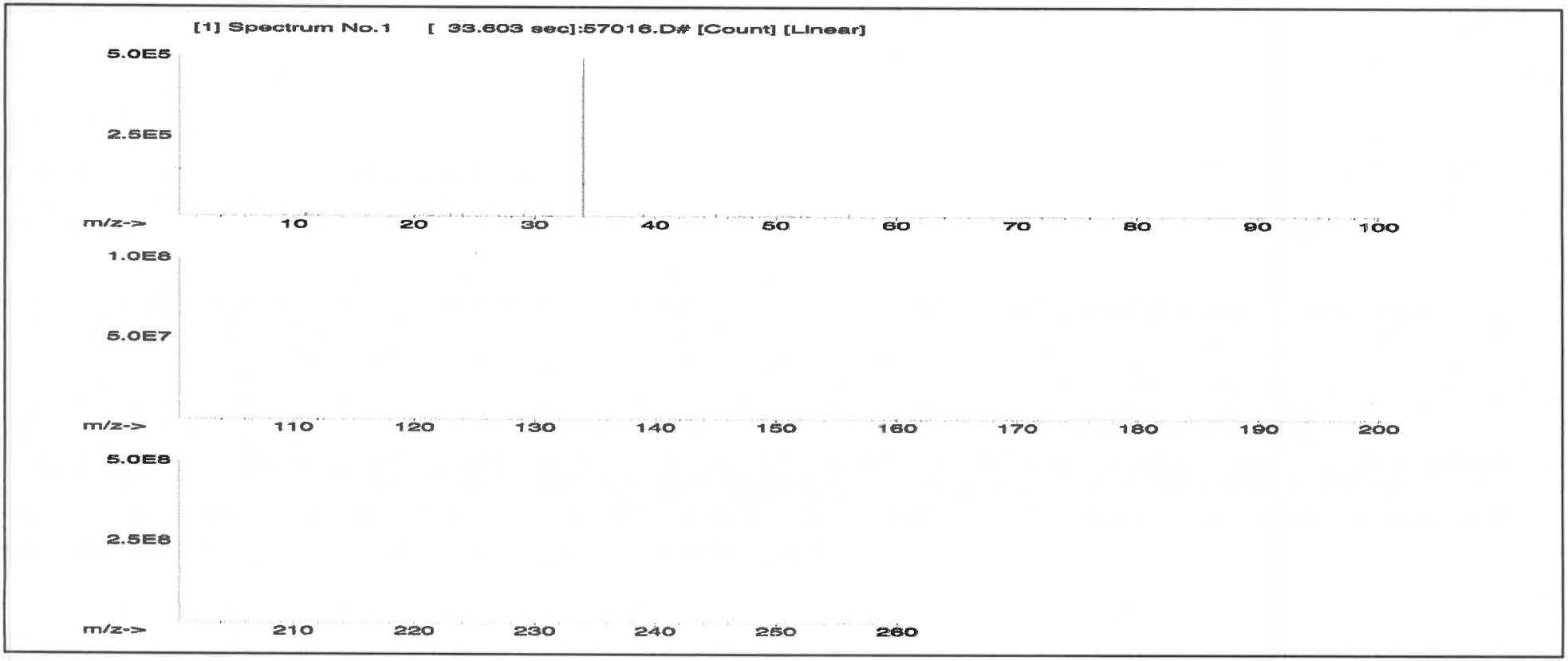
CERTIFIED WEIGHT REPORT:

Part Number:	**57016**	**Solvent:**	**Lot #** 122923	ASTM Type 1 Water
Lot Number:	**122923**			
Description:	**Sulfur (S)**			
Expiration Date:	122926			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	4000.0	0.06	Flask Uncertainty	

Formulated By:	Benson Chan	122923
Reviewed By:	Pedro L. Rentas	122923

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium sulfate (S)	IN117	SLBR7225V	1000	99.9	0.10	24.3	16.4979	16.4980	**1000.0**	**2.0**	7783-20-2	NA	orl-rat 4250mg/kg	3181



Q2488-METALS

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AR-1539 Certificate Number
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	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

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R: 02/09/24 M5820

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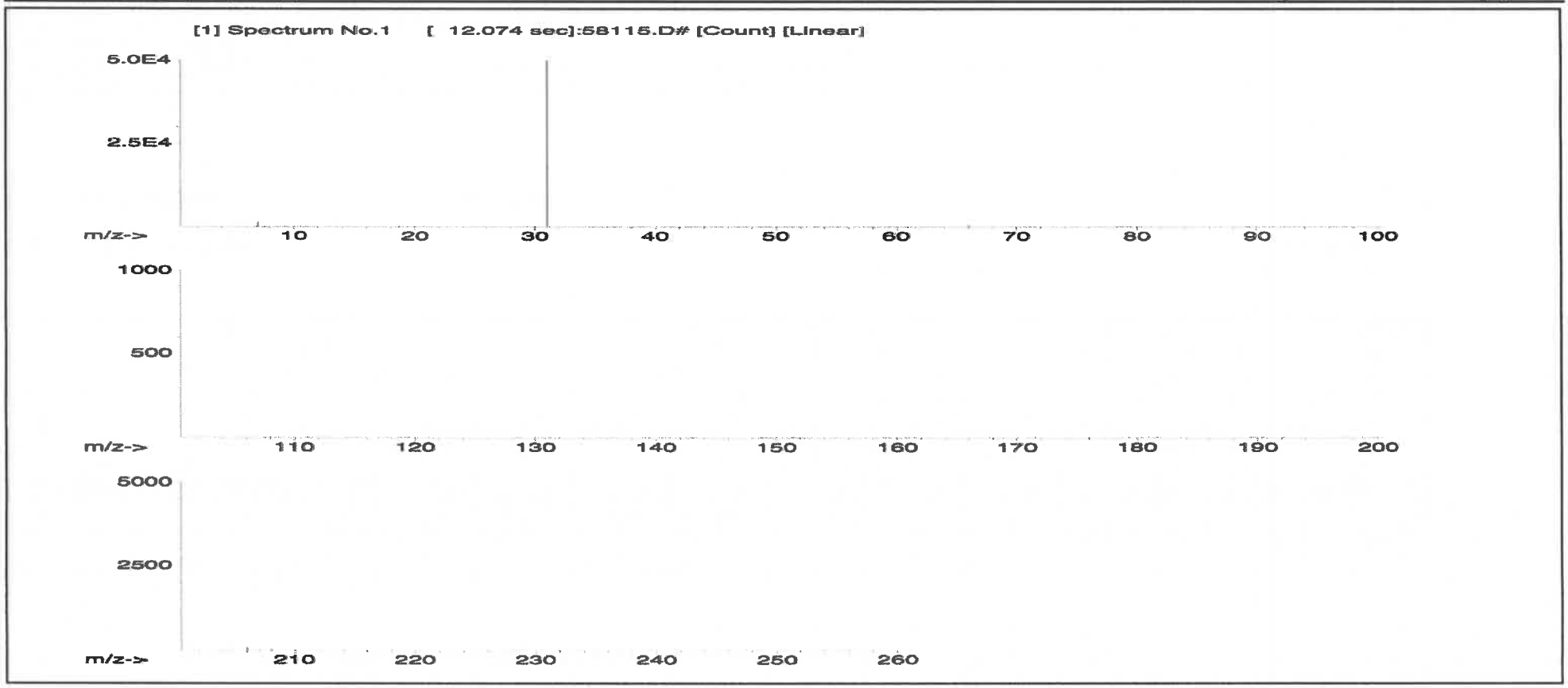
CERTIFIED WEIGHT REPORT:

Part Number:	**57015**		**Solvent:**	**Lot #** 24002546	Nitric Acid
Lot Number:	**091123**				
Description:	**Phosphorous (P)**		2%	40.0 (mL)	Nitric Acid
Expiration Date:	091126				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty		

Formulated By:	Lawrence Barry	091123
Reviewed By:	Pedro L. Rentas	091123

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium dihydrogen phosphate (P)	IN008	PV082019A1	1000	99.999	0.10	27.5	7.2729	7.2730	**1000.0**	**2.0**	7722-76-1	5 mg/m3	orl-rat >2000mg/k	3186



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

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inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTI1
Lot Number:	T2-TI719972
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Titanium
Starting Material:	Ti Metal
Starting Material Lot#:	2094
Starting Material Purity:	99.9975%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.012 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1002 ± 4 µg/mL**
ICP Assay NIST SRM 3162a Lot Number: 130925

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000536	M	Eu	<	0.000268	O	Na	<	0.032670	M	Se		0.001204	O	Zn	<	0.003267
O	Al		0.000872	O	Fe		0.003225	O	Nb	<	0.043560	O	Si		0.004735	O	Zr	<	0.043560
M	As	<	0.008586	M	Ga	<	0.000268	M	Nd	<	0.000268	M	Sm	<	0.000268				
M	Au	<	0.004577	M	Gd	<	0.000268	O	Ni	<	0.010890	M	Sn		0.000096				
O	B	<	0.008929	M	Ge	<	0.002146	M	Os	<	0.000269	O	Sr		0.000096				
M	Ba	<	0.002683	M	Hf		0.002161	O	P	<	0.054450	M	Ta		0.010560				
M	Be	<	0.005366	M	Hg	<	0.003231	M	Pb	<	0.001073	M	Tb	<	0.000268				
M	Bi	<	0.001609	M	Ho	<	0.000268	M	Pd	<	0.000268	M	Te	<	0.001341				
O	Ca		0.000676	M	In	<	0.002683	M	Pr	<	0.000268	M	Th	<	0.053663				
M	Cd	<	0.000268	M	Ir	<	0.000269	M	Pt	<	0.000536	s	Ti	<					
M	Ce	<	0.000268	M	K		0.001172	M	Rb	<	0.000268	M	Tl	<	0.000268				
M	Co	<	0.004293	M	La	<	0.000268	M	Re	<	0.000268	M	Tm	<	0.000268				
M	Cr		0.000752	O	Li	<	0.027225	M	Rh	<	0.000268	M	U	<	0.000268				
M	Cs	<	0.000268	M	Lu	<	0.000268	M	Ru	<	0.000269	M	V	<	0.019855				
O	Cu	<	0.010890	O	Mg	<	0.005445	i	S	<		M	W		0.000473				
M	Dy	<	0.000268	O	Mn	<	0.003267	M	Sb	<	0.006976	M	Y	<	0.002146				
M	Er	<	0.000268	M	Mo		0.000774	O	Sc	<	0.004900	M	Yb	<	0.000536				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 +4 6 Ti(F)6-2

Chemical Compatibility - Soluble in concentrated HCl, HF, H3PO4 H2SO4 and HNO3. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)6-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)6-2 chemically stable for years in 2-5% HNO3 / trace HF in an LDPE container.

Ti Containing Samples (Preparation and Solution) - Metal (Soluble in H2O / HF caution -powder reacts violently); Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H2O / HF / H2SO4); Oxide - high temperature history (~800EC) brookite (fuse in Pt0 with K2S2O7); Ores (fuse in Pt0 with KF + K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in Pt0 and dissolve by heating with 1:1:1 H2O / HF / H2SO4 or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystalline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 48 amu	14 ppt	N/A	32S16O, 32S14N, 14N16O18O, 14N17N2, 36Ar12C, 48Ca, [96X=2 (where X = Zr, Mo, Ru)]
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	Ce, Ar, Ni
ICP-OES 334.941 nm	0.0038 / 0.000028 µg/mL	1	Nb, Ta, Cr, U
ICP-OES 336.121 nm	0.0053 / 0.000034 µg/mL	1	W, Mo, Co

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **June 17, 2027**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M5962 R! 06/14/24.

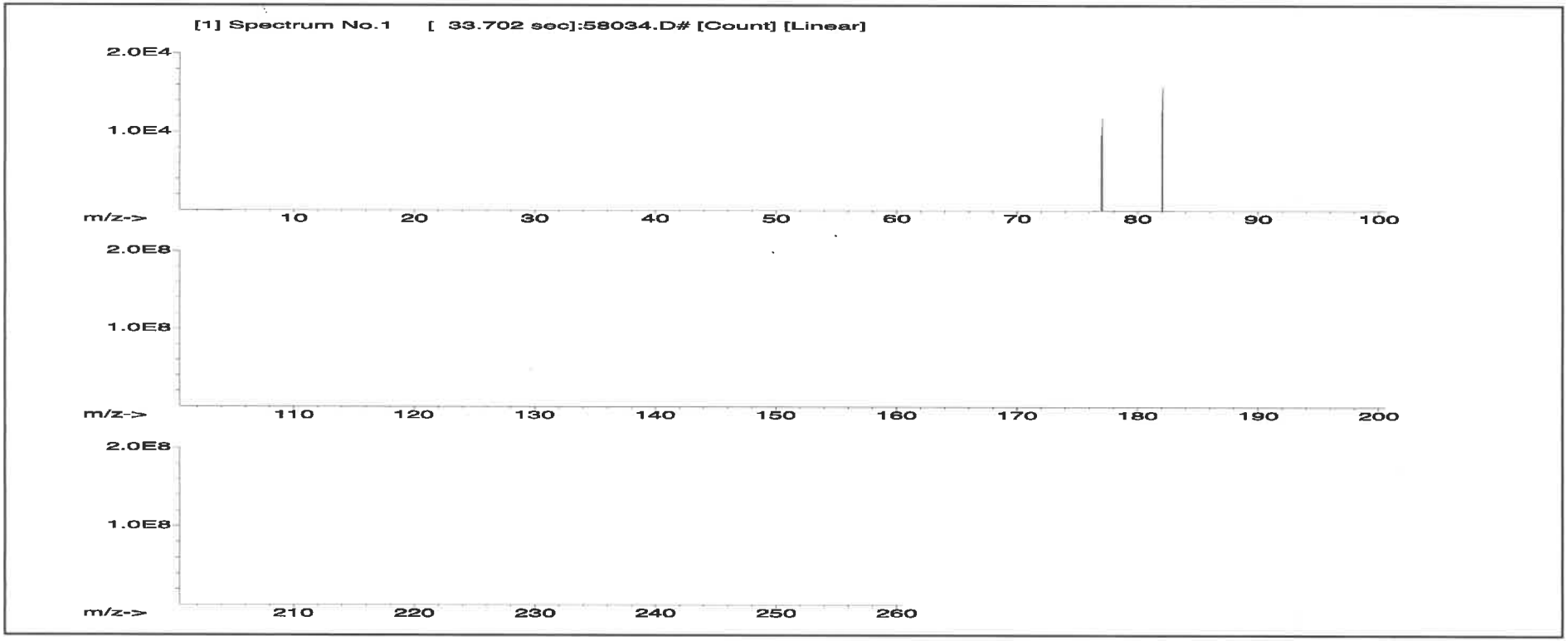
ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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



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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																		
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	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).

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Certified Reference Material CRM

M5970, M5971 R1 7/01/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:		
Part Number:	**57003**	24002546	Nitric Acid		
Lot Number:	**062124**				
Description:	**Lithium (Li)**	2.0%	5.0 (mL)	Nitric Acid	
Expiration Date:	062127				
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):	250.11	0.016	Flask Uncertainty		

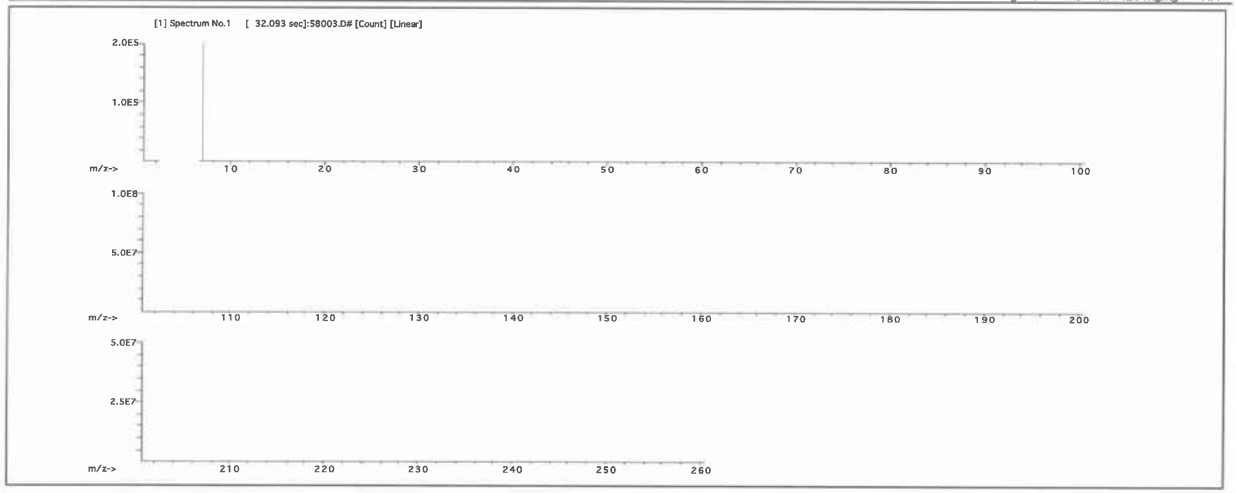
Giovanni Esposito

Formulated By: Giovanni Esposito 062124

Pedro Rentas

Reviewed By: Pedro L. Rentas 062124

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Lithium nitrate (Li)	58103	070622	0.1000	25.0	0.004	1000	10000.4	**1000.0**	**2.0**	7790-69-4	5 mg/m3	orl-rat 1426 mg/kg	NA



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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	T	Ni	<0.02	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
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).

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Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGY10
Lot Number:	V2-Y740548
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Yttrium
Starting Material:	Yttrium Oxide
Starting Material Lot#:	2661 and 06230520YL
Starting Material Purity:	99.9984%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10000 ± 30 µg/mL

Density: 1.032 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10011 ± 25 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #2	**9997 ± 50 µg/mL** ICP Assay NIST SRM 3167a Lot Number: 190730
Assay Method #3	**9984 ± 31 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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	<	0.004600	M	Eu		0.009037	M	Na		0.086360	M	Se	<	0.005200	M	Zn		0.030125
M	Al		0.014862	O	Fe		0.002410	M	Nb	<	0.000570	O	Si		0.024100	O	Zr	<	0.002600
M	As	<	0.003500	M	Ga	<	0.000570	M	Nd		0.000923	M	Sm		0.000461				
M	Au	<	0.001700	M	Gd	<	0.003500	M	Ni	<	0.005700	M	Sn	<	0.002300				
O	B		0.002209	M	Ge	<	0.005200	M	Os	<	0.001200	M	Sr	<	0.004600				
O	Ba	<	0.002500	M	Hf	<	0.000570	n	P	<		M	Ta	<	0.000570				
O	Be	<	0.001400	M	Hg	<	0.000570	M	Pb		0.005020	M	Tb		0.001044				
M	Bi	<	0.003500	M	Ho		0.009037	M	Pd	<	0.005100	M	Te	<	0.002300				
O	Ca		0.009841	M	In	<	0.002300	M	Pr	<	0.002300	M	Th	<	0.000570				
M	Cd	<	0.000570	M	Ir	<	0.000570	M	Pt	<	0.000570	M	Ti	<	0.003500				
M	Ce	<	0.002300	O	K		0.018677	M	Rb	<	0.000570	M	Tl	<	0.000570				
M	Co	<	0.000570	M	La		0.000461	M	Re	<	0.000570	M	Tm	<	0.003500				
M	Cr	<	0.004000	O	Li	<	0.009300	M	Rh	<	0.008000	M	U	<	0.000570				
M	Cs	<	0.000570	M	Lu		0.000582	M	Ru	<	0.000570	M	V		0.001265				
M	Cu		0.002610	O	Mg		0.001486	n	S	<		M	W	<	0.002300				
M	Dy		0.003815	M	Mn		0.000582	M	Sb		0.005422	s	Y	<					
M	Er		0.003615	M	Mo	<	0.005700	M	Sc	<	0.001200	M	Yb		0.001827				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 88.91 +3 6 Y(OH)(H2O)x+2

Chemical Compatibility -Soluble in HCl, H2SO4 and HNO3. Avoid HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming an insoluble carbonate, oxide, oxalate, and fluoride. Avoid mixing with elements / solutions containing moderate amounts of fluoride.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Y Containing Samples (Preparation and Solution) - Metal (Soluble in acids); Oxide (Dissolve by heating in H2O/ HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolve in 1:1 H2O / HCl or HNO3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 89 amu	0.8 ppt	N/A	73Ge16O, 178Hf+2
ICP-OES 360.073 nm	0.005 / 0.000036 µg/mL	1	Ce, Th
ICP-OES 371.030 nm	0.004 / 0.00007 µg/mL	1	Ce
ICP-OES 377.433 nm	0.005 / 0.0009 µg/mL	1	Ta, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 20, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 20, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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info@inorganicventures.com

MS985
R: 6/14/24

1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGIN10
Lot Number:	U2-IN729349
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Indium
Starting Material:	Indium Metal
Starting Material Lot#:	2511
Starting Material Purity:	99.9995%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10022 ± 30 µg/mL

Density: 1.044 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 — **10021 ± 56 µg/mL**
ICP Assay NIST SRM 3124a Lot Number: 110516

Assay Method #2 — **10035 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #3 — **10001 ± 33 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000760	M	Eu	<	0.000760	O	Na		0.012771	M	Se	<	0.023000	M	Zn	<	0.006100
M	Al		0.003385	O	Fe		0.004462	M	Nb	<	0.000760	O	Si		0.024619	M	Zr	<	0.000760
M	As	<	0.004600	M	Ga	<	0.000760	M	Nd	<	0.000760	M	Sm	<	0.000760				
M	Au	<	0.002300	M	Gd	<	0.000760	O	Ni	<	0.005100	M	Sn	<	0.000760				
O	B		0.003692	M	Ge	<	0.001600	M	Os	<	0.000760	O	Sr	<	0.000610				
M	Ba	<	0.001600	M	Hf	<	0.000760	n	P	<		M	Ta	<	0.000760				
O	Be	<	0.000130	M	Hg	<	0.003100	M	Pb		0.001400	M	Tb	<	0.000760				
M	Bi	<	0.000760	M	Ho	<	0.000760	M	Pd	<	0.001600	M	Te	<	0.000760				
O	Ca		0.004616	s	In	<		M	Pr	<	0.000760	M	Th	<	0.000760				
M	Cd	<	0.000760	M	Ir	<	0.000760	M	Pt	<	0.000760	O	Ti	<	0.001100				
M	Ce	<	0.000760	O	K		0.007078	M	Rb	<	0.000760	M	Tl	<	0.000760				
M	Co	<	0.000760	M	La	<	0.000760	M	Re	<	0.000760	M	Tm	<	0.000760				
O	Cr	<	0.001300	O	Li	<	0.000130	M	Rh	<	0.000760	M	U	<	0.000760				
M	Cs	<	0.000760	M	Lu	<	0.000760	M	Ru	<	0.000760	M	V	<	0.001600				
M	Cu	<	0.003800	O	Mg		0.000707	n	S	<		M	W	<	0.001600				
M	Dy	<	0.000760	O	Mn		0.000149	M	Sb	<	0.000760	M	Y	<	0.000760				
M	Er	<	0.000760	M	Mo	<	0.002300	M	Sc	<	0.000760	M	Yb	<	0.000760				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 114.82 +3 6 In(H2O)6+3

Chemical Compatibility -Soluble in HCl, HNO3, and H2SO4. Avoid neutral and basic media. Stable with most metals and inorganic anions. The oxalate, sulfide, carbonate, hydroxide and phosphate are insoluble in water.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

In Containing Samples (Preparation and Solution) -Metal (Best dissolved in HCl / HNO3); Oxide (Soluble in mineral acids); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric/peroxide digestion or dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 115 amu	1 ppt	n/a	115Sn, 99Ru16O
ICP-OES 158.583 nm	0.05 / 0.002 µg/mL	1	
ICP-OES 230.606 nm	0.1 / 0.03 µg/mL	1	Ni, Os
ICP-OES 325.609 nm	0.2 / 0.05 µg/mL	1	Mn, Mo, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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Refine your results. Redefine your industry.

Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-1
Lot Number:	T2-MEB714417
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 2 000 µg/mL ea: Aluminum, Barium, 1 000 µg/mL ea: Iron, 500 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 250 µg/mL ea: Silver, Copper, 200 µg/mL ea: Chromium, 50 µg/mL ea: Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Calcium, Ca	5 000 ± 22 µg/mL
Chromium, Cr	200.0 ± 1.0 µg/mL	Cobalt, Co	500.0 ± 2.4 µg/mL
Copper, Cu	250.0 ± 1.0 µg/mL	Iron, Fe	1 000 ± 4 µg/mL
Magnesium, Mg	5 000 ± 20 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Potassium, K	5 000 ± 19 µg/mL
Silver, Ag	250.0 ± 1.1 µg/mL	Sodium, Na	5 000 ± 18 µg/mL
Vanadium, V	499.7 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.118 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = (\Sigma((w_i)^2\,(u_{char\ i})^2))^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- 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**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 27, 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

- January 27, 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

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1.0 ACCREDITATION / REGISTRATION

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ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CLPP-CAL-3
Lot Number:	T2-MEB727800
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 500 µg/mL ea: Cadmium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	1 000 ± 7 µg/mL	Cadmium, Cd	500.0 ± 2.2 µg/mL
Lead, Pb	1 000 ± 4 µg/mL	Selenium, Se	1 000 ± 6 µg/mL
Thallium, Tl	1 000 ± 7 µg/mL		

Density: 1.042 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

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$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i}^2) / (\Sigma(1/(u_{char\ i}^2))$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

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- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

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- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

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- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

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10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

December 21, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- December 21, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

R! 08/22/24 M6058, M6059

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-CLP-4
Lot Number:	V2-MEB746172
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	1 000 ± 5 µg/mL	Molybdenum, Mo	1 000 ± 5 µg/mL
Silicon, Si	1 000 ± 7 µg/mL	Tin, Sn	1 000 ± 5 µg/mL
Titanium, Ti	1 000 ± 6 µg/mL		

Density: 1.032 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Mo	ICP Assay	traceable to 3134	U2-MO739068
Si	ICP Assay	Traceable to 3150	S2-SI702546
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	traceable to 3162a	T2-TI725816

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

August 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- August 12, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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Certificate of Analysis

M6074
M6075
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Christiansburg, VA 24073 USA
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info@inorganicventures.com

EXP.: 9/6/2029

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	CHEM-CLP-4
Lot Number:	V2-MEB746762
Matrix:	3% (v/v) HNO3 3% (v/v) HF
Value / Analyte(s):	1 000 µg/mL ea: Boron, Molybdenum, Silicon, Tin, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Boron, B	1 000 ± 5 µg/mL	Molybdenum, Mo	1 000 ± 5 µg/mL
Silicon, Si	1 000 ± 7 µg/mL	Tin, Sn	1 000 ± 5 µg/mL
Titanium, Ti	1 000 ± 6 µg/mL		

Density: 1.033 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Mo	ICP Assay	traceable to 3134	U2-MO739068
Si	ICP Assay	Traceable to 3150	S2-SI702546
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	traceable to 3162a	T2-TI725816

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

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u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

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- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 06, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 06, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

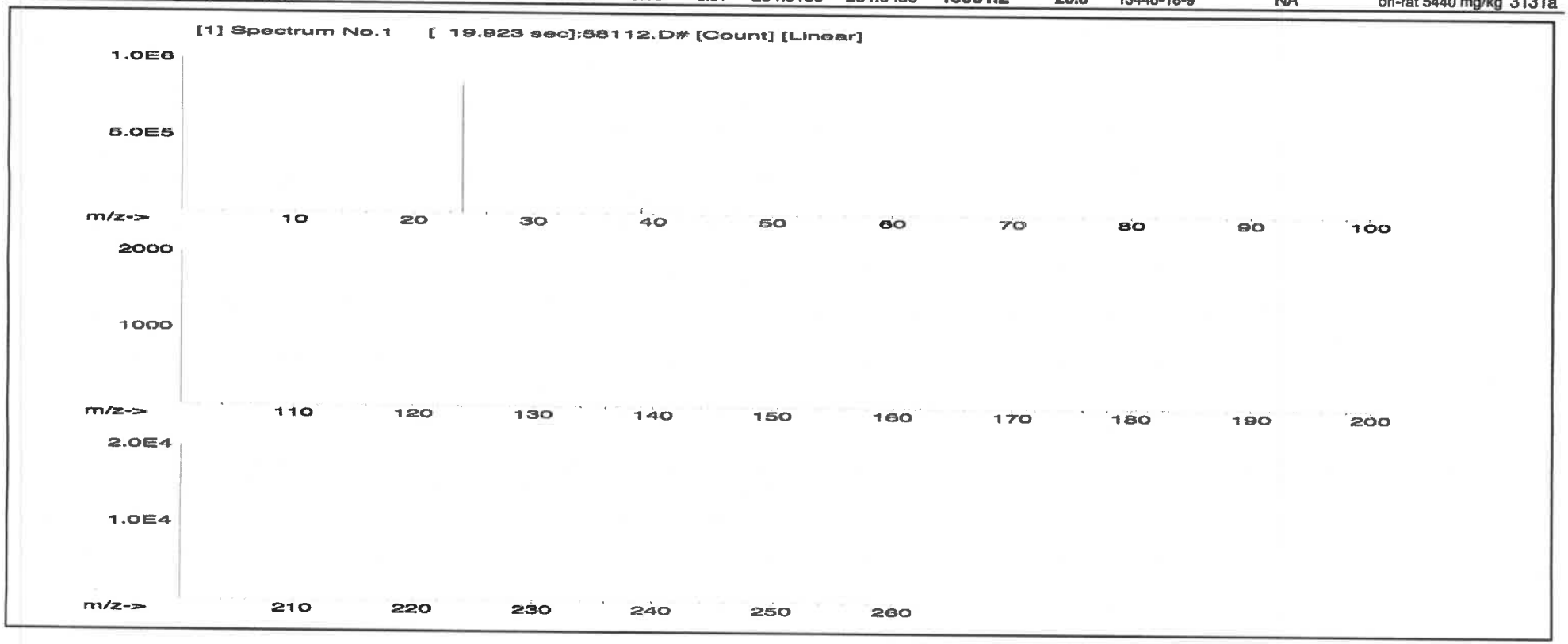
R -> 1/13/25
M 6127

Part Number:	**58112**	**Solvent:**	**Lot #** 24012496	Nitric Acid
Lot Number:	**112124**			
Description:	**Magnesium (Mg)**	2%	40.0 (mL)	Nitric Acid
Expiration Date:	112127			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**10000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Weight shown below was diluted to (mL):	2000.07	0.100	Flask Uncertainty	

Giovanni Esposito

Formulated By:	Giovanni Esposito	112124
Reviewed By:	Pedro L. Rentas	112124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium nitrate hexahydrate (Mg)	IN030	MGD052023A1	10000	99.999	0.10	8.51	234.9183	234.9459	**10001.2**	**20.0**	13446-18-9	NA	orl-rat 5440 mg/kg	3131a



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

R->1/13/25

M6128

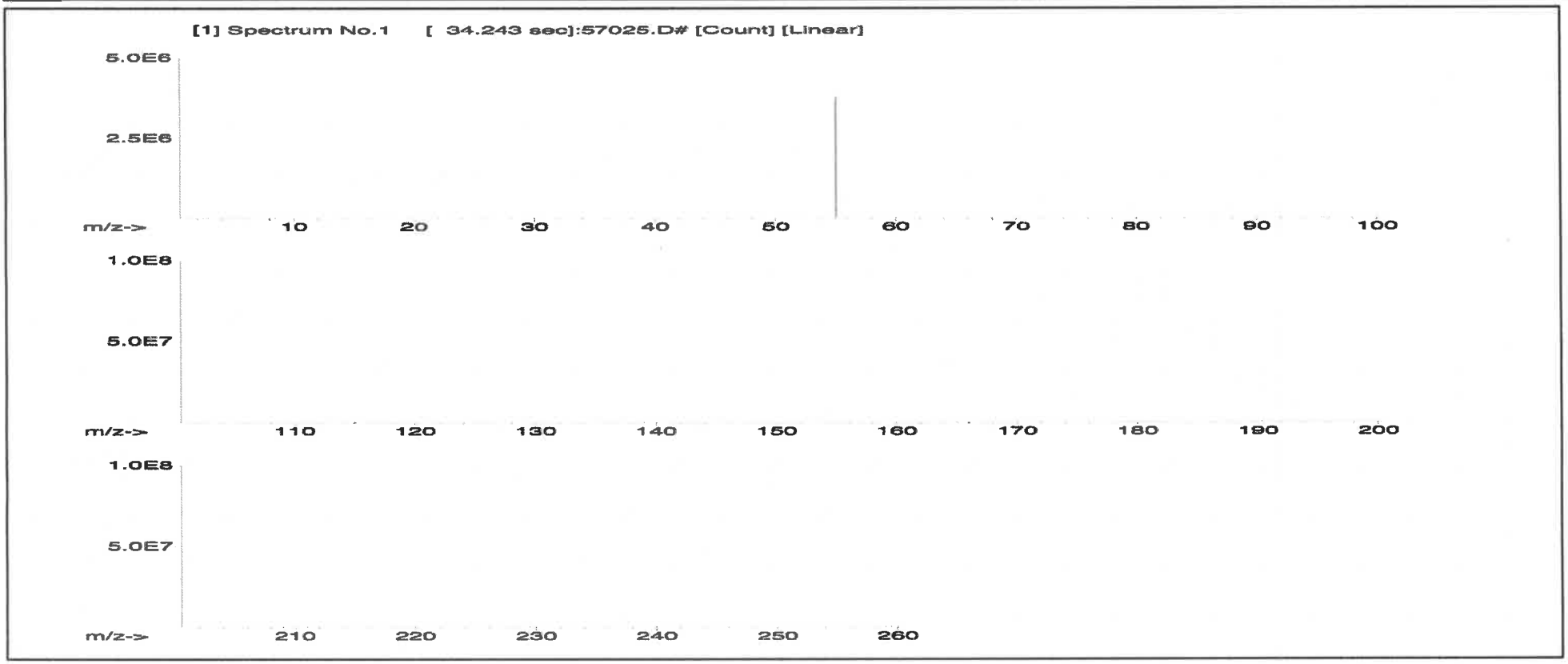
Part Number: 58025
Lot Number: 101124
Description: Manganese (Mn)
Expiration Date: 101127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 4000.2 ± 0.10 Flask Uncertainty

		Lot #	
Solvent:	24002546	Nitric Acid	
	2%	80.0 (mL)	Nitric Acid
		5E-05	Balance Uncertainty

Giovanni Esposito

Formulated By:	Giovanni Esposito	101124
Reviewed By:	Pedro L. Rentas	101124

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Manganese(II) nitrate hydrate (Mn)	IN031	MNM092020A1	1000	99.999	0.10	20.8	19.2322	19.2344	**1000.1**	**2.0**	15710-66-4	5 mg/m3	orl-rat >300mg/kg	3132



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
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F: 540-585-3012
info@inorganicventures.com

M6137 R→10/3/24

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSI1
Lot Number:	V2-SI744713
Matrix:	tr. HNO3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Silicon
Starting Material:	Silica
Starting Material Lot#:	1771
Starting Material Purity:	99.9981%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 999 ± 6 µg/mL

Density: 1.003 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**999 ± 5 µg/mL** ICP Assay NIST SRM Traceable to 3150 Lot Number: S2-SI702546
Assay Method #2	**1000 ± 7 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000310	M	Eu	<	0.000310	O	Na		0.001656	M	Se	<	0.022000	M	Zn	<	0.002500
M	Al		0.010787	M	Fe	<	0.027000	M	Nb	<	0.001300	s	Si	<		O	Zr	<	0.001900
M	As	<	0.001900	M	Ga	<	0.001300	M	Nd	<	0.000310	M	Sm	<	0.000310				
M	Au	<	0.000910	M	Gd	<	0.000310	M	Ni	<	0.005500	M	Sn		0.000096				
M	B		0.016180	M	Ge	<	0.001900	M	Os	<	0.000610	O	Sr		0.000092				
M	Ba		0.000096	M	Hf		0.000423	i	P	<		M	Ta		0.002542				
O	Be	<	0.000570	M	Hg	<	0.000610	M	Pb	<	0.000310	M	Tb	<	0.000310				
M	Bi	<	0.000310	M	Ho	<	0.000610	M	Pd	<	0.000610	M	Te	<	0.000910				
O	Ca		0.011557	M	In	<	0.000310	M	Pr	<	0.000310	M	Th	<	0.001900				
M	Cd	<	0.000310	M	Ir	<	0.000310	M	Pt	<	0.000310	M	Ti		0.001078				
M	Ce	<	0.000610	O	K		0.000577	M	Rb	<	0.009100	M	Tl	<	0.000310				
M	Co	<	0.001600	M	La	<	0.000310	M	Re	<	0.000310	M	Tm	<	0.000310				
M	Cr	<	0.010000	O	Li	<	0.000460	M	Rh	<	0.000310	M	U	<	0.000310				
M	Cs	<	0.000310	M	Lu	<	0.000310	M	Ru	<	0.000310	O	V	<	0.001300				
M	Cu	<	0.002500	O	Mg		0.001348	O	S	<	0.570000	M	W	<	0.001900				
M	Dy	<	0.000310	M	Mn	<	0.002500	M	Sb	<	0.000310	M	Y	<	0.000310				
M	Er	<	0.000310	M	Mo	<	0.000310	O	Sc	<	0.000590	M	Yb	<	0.000310				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 28.09 +4 6 Si(OH)x(F)y2-

Chemical Compatibility -Soluble in HCl, HF, H3PO4 H2SO4 and HNO3 as the Si(OH)x(F)y2-. Avoid neutral to basic media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths, or high levels of transition elements unless they are fluorinated. Stable with most inorganic anions with a tendency to hydrolyze forming silicic acid (silicic acid is soluble up to ∼100 ppm in water) in all dilute acids except HF.

Stability - 2-100 ppb levels - stability unknown - (alone or mixed with all other metals) as the Si(OH)x(F)y2-. 1-10,000 ppm single element solutions as the Si(OH)x(F)y2- chemically stable for years in 2-5 % HNO3 / trace HF in a LDPE container.

Si Containing Samples (Preparation and Solution) -Metal (Soluble in 1:1:1 H2O / HF / HNO3); Oxide - SiO2, amorphic (dissolve by heating in 1:1:1 H2O / HF / HNO3); Oxide - quartz (fuse in Pt0 with Na2CO3); Geological Samples(fuse in Pt0with Na2CO3 followed by HCl solution of the fuseate); Organic Matrices containing silicates and non volatile silicon compounds (dry ash at 4500C in Pt0 and dissolve by gently warming with 1:1:1 H2O / HF / H2SO4 or fuse / ash with Na2CO3 and dissolve fuseate with HCl / H2O); Silicone Oils - dimethyl silicones depolymerize to form volatile monomer units when heated (Measure directly in alcoholic KOH / xylene mixture where sample is treated first with the KOH at 60-1000C to "unzip" the Si- O-Si polymeric structure or digest with conc. H2SO4 / H2O2 followed by cooling and dissolution of the dehydrated silica with HF.) Note that the direct analysis of silicone oils in an organic solvent will result in false high results due to high vapor pressure of volatile monomer units like hexamethylcyclotrisiloxane. The KOH forms the K2+Si(CH3)2O= salt which is not volatile at room temperature.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 28 amu	4000 - 8000 ppt	N/A	N2, 12C16O
ICP-OES 212.412 nm	0.02/0.01 µg/mL	1	Hf, Os, Mo, Ta
ICP-OES 251.611 nm	0.012/0.003 µg/mL	1	Ta, U, Zn, Th
ICP-OES 288.158 nm	0.03/0.004 µg/mL	1	Ta, Ce, Cr, Cd, Th

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 10, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **July 10, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Muzzammil Khan
Stock Laboratory Supervisor

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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CERTIFIED WEIGHT REPORT:

R->1/13/25

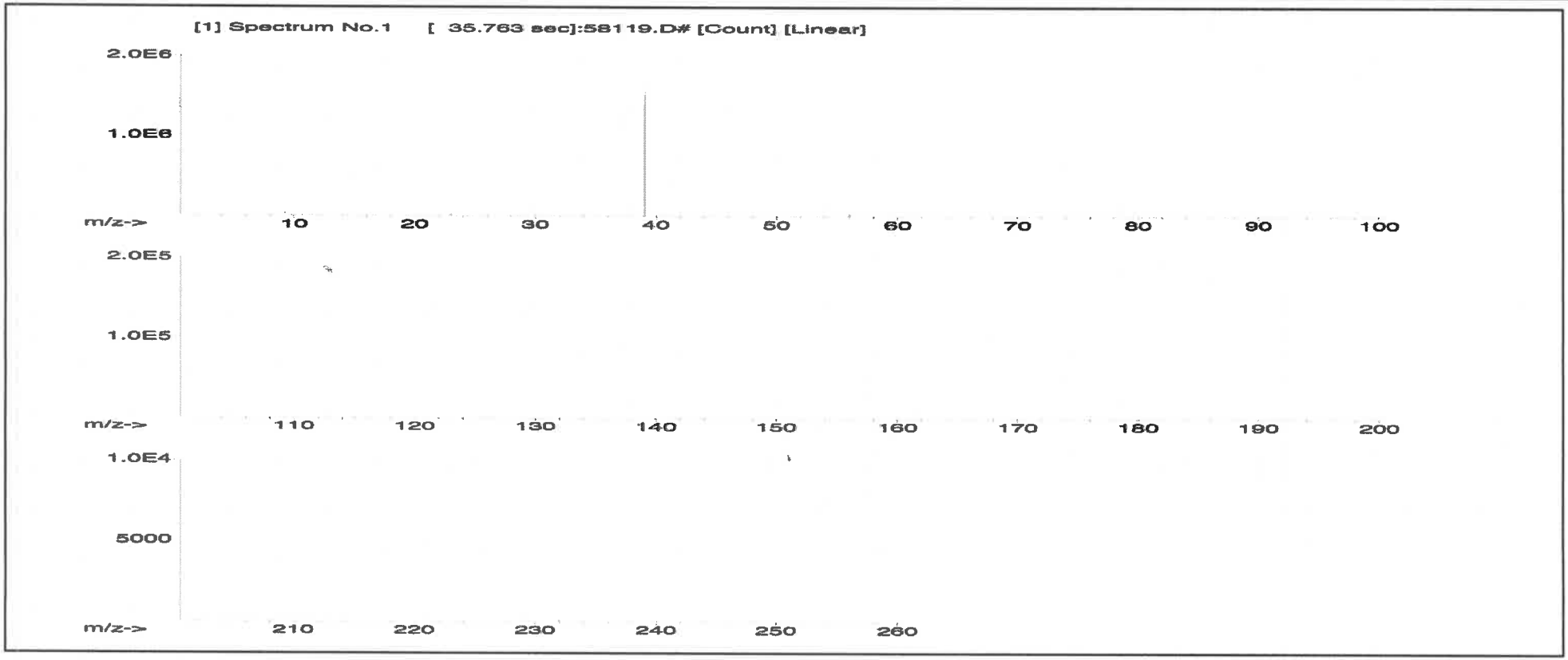
Part Number:	**57119**		**Lot #**		
Lot Number:	**103024**	**Solvent:**	24002546	Nitric Acid	
Description:	**Potassium (K)**				
		2%	80.0 (mL)	Nitric Acid	
Expiration Date:	103027				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.1	0.15	Flask Uncertainty		

M6141
M6142
M6143

Giovanni Esposito

Formulated By:	Giovanni Esposito	103024
Reviewed By:	Pedro L. Rentas	103024

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium nitrate (K)	IN034	KD062022A1	10000	99.999	0.10	37.7	106.1040	######	**10001.1**	**20.0**	7757-79-1	5 mg/m3	orl-rat 3750 mg/kg	3141a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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CERTIFIED WEIGHT REPORT:

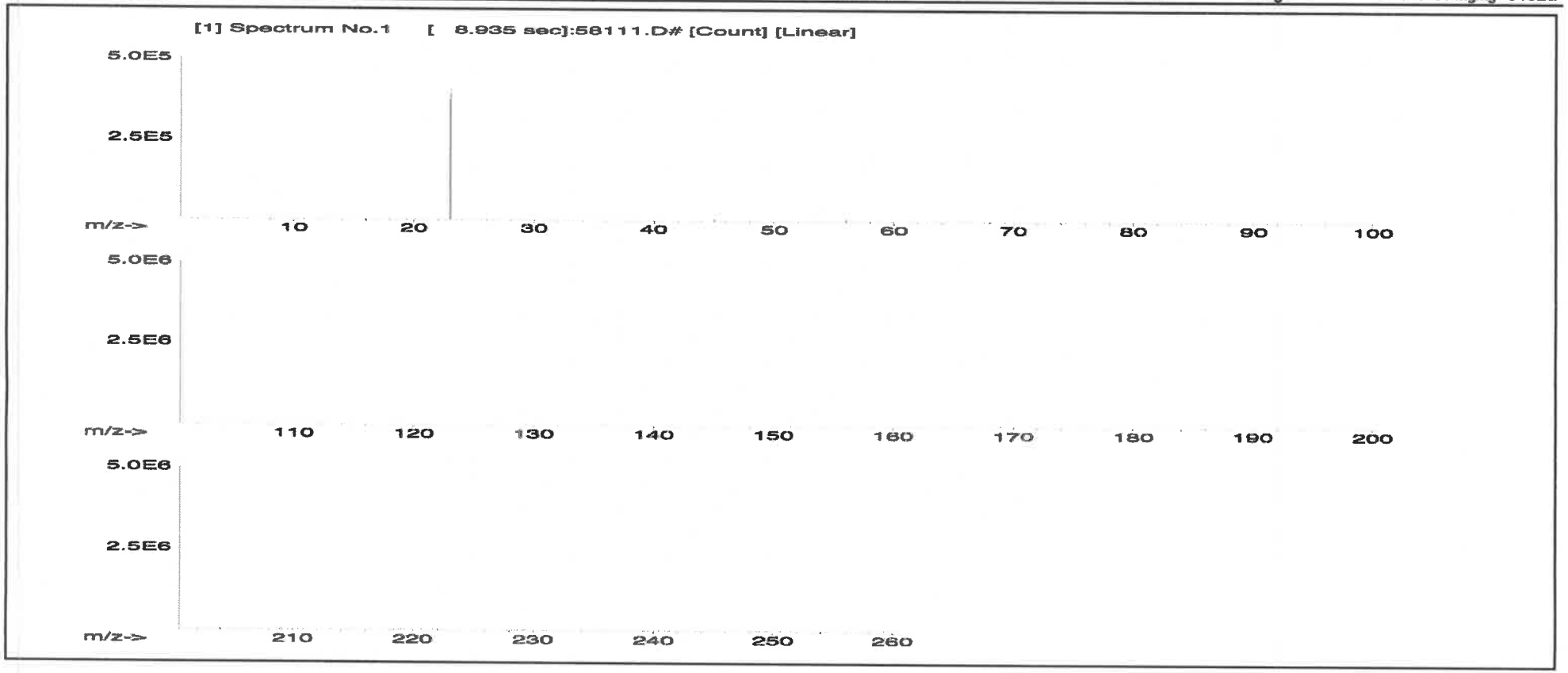
R->1/13/25

M6144

Part Number:	**58111**			**Lot #**	
Lot Number:	**072424**	**Solvent:**	24002546	Nitric Acid	
Description:	**Sodium (Na)**				
		2%	80.0 (mL)	Nitric Acid	
Expiration Date:	072427				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**10000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	4000.2	0.10	Flask Uncertainty		

Formulated By:	Benson Chan 072424
Reviewed By:	Pedro L. Rentas 072424

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV012015I1	10000	99.999	0.10	26.9	148.7096	######	**10000.0**	**20.0**	7631-99-4	5 mg/m3	orl-rat 3430 mg/kg	3152a



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* 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.
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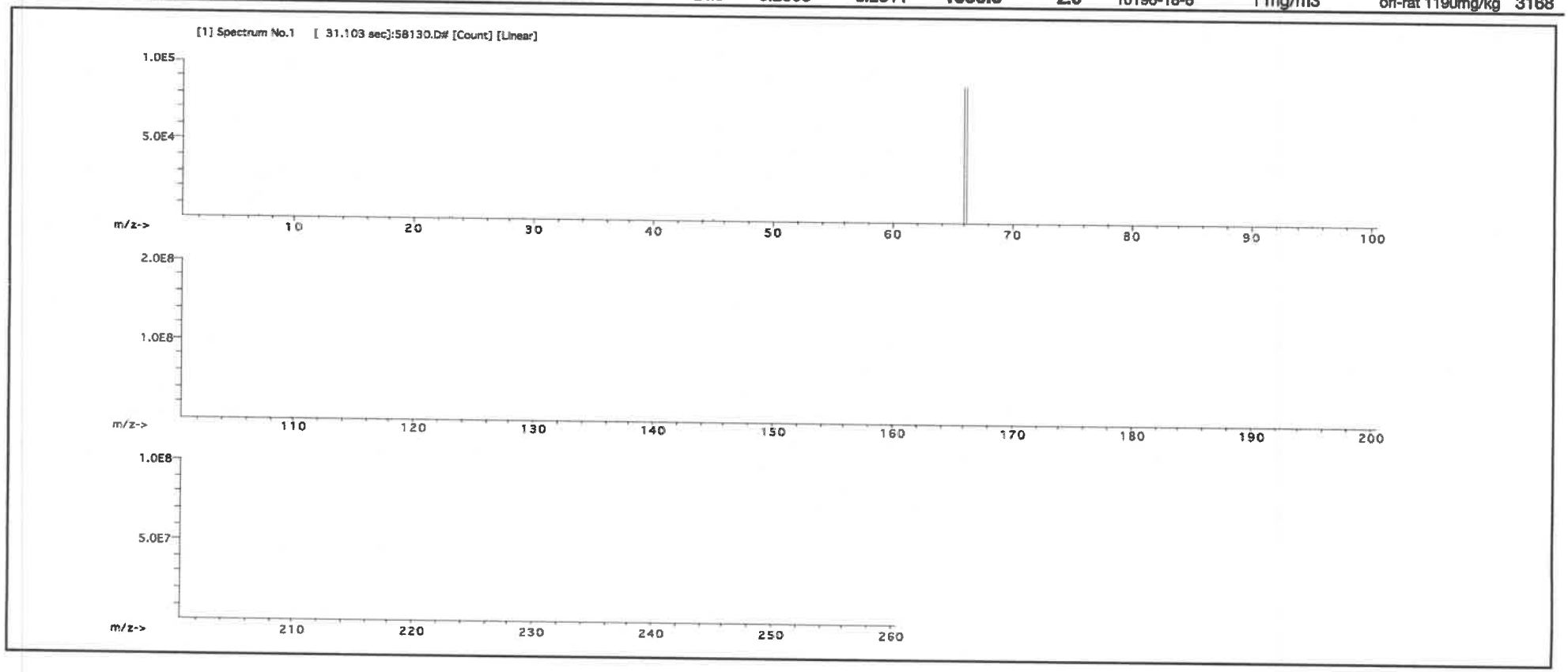
CERTIFIED WEIGHT REPORT:

Part Number:	**58030**	R→1/13/25	**Solvent:**	**Lot #** 24012496	Nitric Acid
Lot Number:	**121724**				
Description:	**Zinc (Zn)**	M6145	2%	40.0 (mL)	Nitric Acid
Expiration Date:	121727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	121724
Reviewed By:	Pedro L. Rentas	121724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zinc nitrate hexahydrate (Zn)	IN016	ZNE032021A1	1000	99.999	0.10	24.3	8.2308	8.2311	**1000.0**	**2.0**	10196-18-6	1 mg/m3	ori-rat 1190mg/kg	3168



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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	T
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R→ 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

R-02102/2025

M-6158

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

M-6162

R. Date :- 04/27/2025

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855 282 6867 or +1 610 386 1700

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

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Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

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F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	QCP-CICV-1
Lot Number:	V2-MEB744107
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	2 500 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 1 000 µg/mL ea: Aluminum, Barium, 500 µg/mL ea: Iron, 250 µg/mL ea: Nickel, Vanadium, Zinc, Cobalt, Manganese, 125 µg/mL ea: Silver, Copper, 100 µg/mL ea: Chromium, 25 µg/mL ea: Beryllium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	1 000 ± 4 µg/mL	Barium, Ba	1 000 ± 6 µg/mL
Beryllium, Be	24.98 ± 0.12 µg/mL	Calcium, Ca	2 500 ± 8 µg/mL
Chromium, Cr	99.9 ± 0.6 µg/mL	Cobalt, Co	250.2 ± 1.2 µg/mL
Copper, Cu	125.0 ± 0.5 µg/mL	Iron, Fe	500.0 ± 2.2 µg/mL
Magnesium, Mg	2 500 ± 11 µg/mL	Manganese, Mn	249.9 ± 1.1 µg/mL
Nickel, Ni	250.0 ± 1.2 µg/mL	Potassium, K	2 500 ± 11 µg/mL
Silver, Ag	125.0 ± 0.6 µg/mL	Sodium, Na	2 500 ± 11 µg/mL
Vanadium, V	250.0 ± 1.1 µg/mL	Zinc, Zn	249.9 ± 1.1 µg/mL

Density: 1.081 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

May 22, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **May 22, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

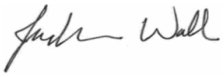
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor

Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	QCP-CICV-2
Lot Number:	U2-MEB733713
Matrix:	3% (w/v) Tartaric acid 1% (v/v) HNO3
Value / Analyte(s):	500 µg/mL ea: Antimony

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	**500.0 ± 2.8 µg/mL**		

Density: 1.017 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Sb	ICP Assay	3102a	140911

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$
w_i = the weighting factors for each method calculated using the inverse square of the variance:
$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2
$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with
$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2
$u_{char\ a}$ = the errors from characterization
u_{bb} = bottle to bottle homogeneity standard uncertainty
u_{lts} = long term stability standard uncertainty (storage)
u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 01, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 01, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

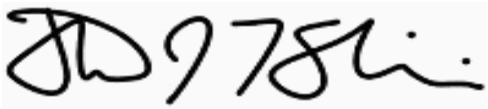
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	QCP-CICV-3
Lot Number:	V2-MEB749572
Matrix:	7% (v/v) HNO3
Value / Analyte(s):	500 µg/mL ea: Arsenic, Lead, Selenium, Thallium, 250 µg/mL ea: Cadmium

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	500.0 ± 3.1 µg/mL	Cadmium, Cd	250.1 ± 1.1 µg/mL
Lead, Pb	500.0 ± 2.3 µg/mL	Selenium, Se	500.0 ± 3.2 µg/mL
Thallium, Tl	500.0 ± 3.0 µg/mL		

Density: 1.040 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

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$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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

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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

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N/A

6.0 INTENDED USE

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- For more information, visit www.inorganicventures.com/TCT

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10.0 QUALITY STANDARD DOCUMENTATION

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- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 02, 2025

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 02, 2030**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

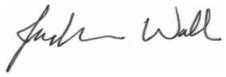
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor

Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6030

R: 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57047
Lot Number: 122823
Description: Silver (Ag)

Expiration Date: 122826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

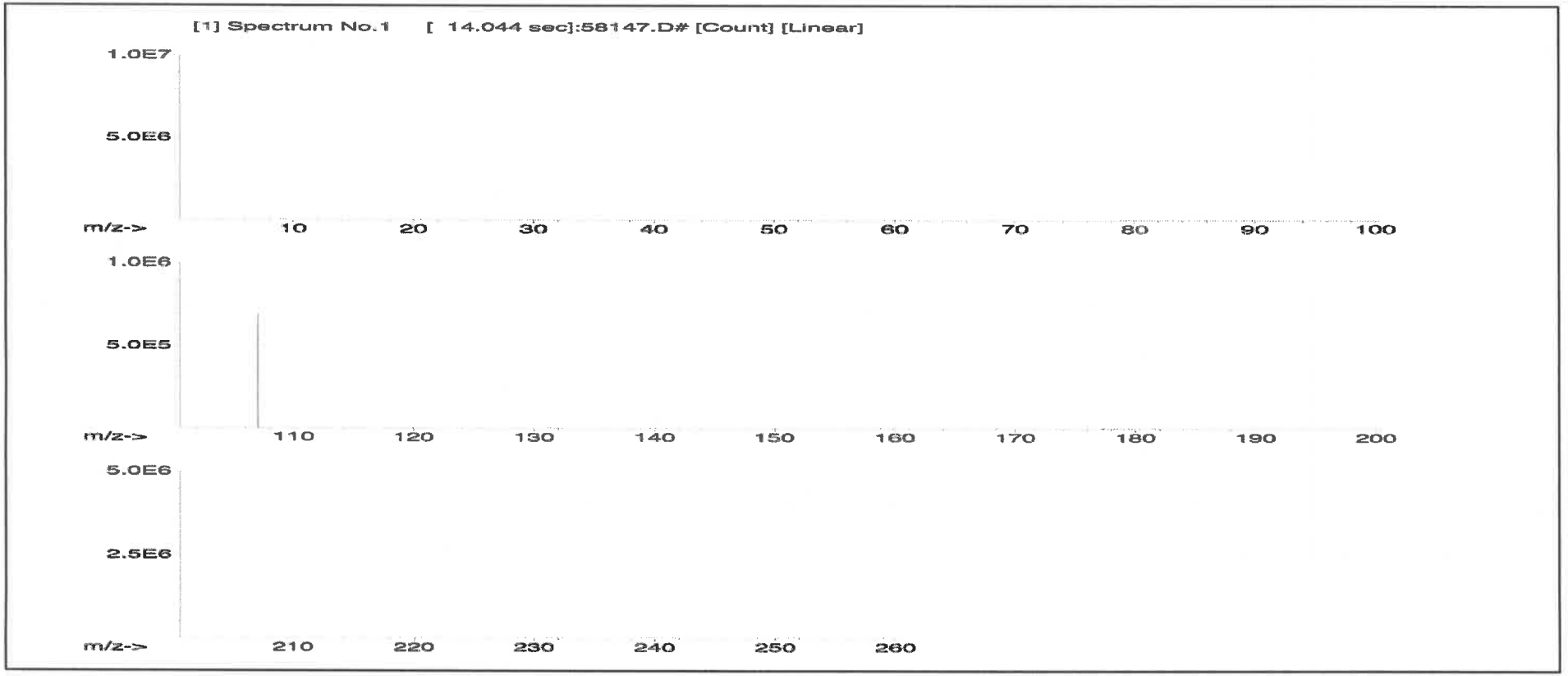
Weight shown below was diluted to (mL): 4000.30 0.058 Flask Uncertainty

		Lot #	
Solvent:	24002546	Nitric Acid	
2%	80.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty

Formulated By:	Benson Chan	122823
Reviewed By:	Pedro L. Rentas	122823

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9999	0.10	63.7	6.27992	6.27998	**1000.0**	**2.0**	7761-88-8	10 ug/m3	NA	3151



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

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www.absolutestandards.com

Certified Reference Material CRM

R: 10/18/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

MG146

		Lot #	Solvent:	
Part Number:	**57051**	24002546	Nitric Acid	
Lot Number:	**071724**			
Description:	**Antimony (Sb)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	071727			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.26	0.058	Flask Uncertainty	

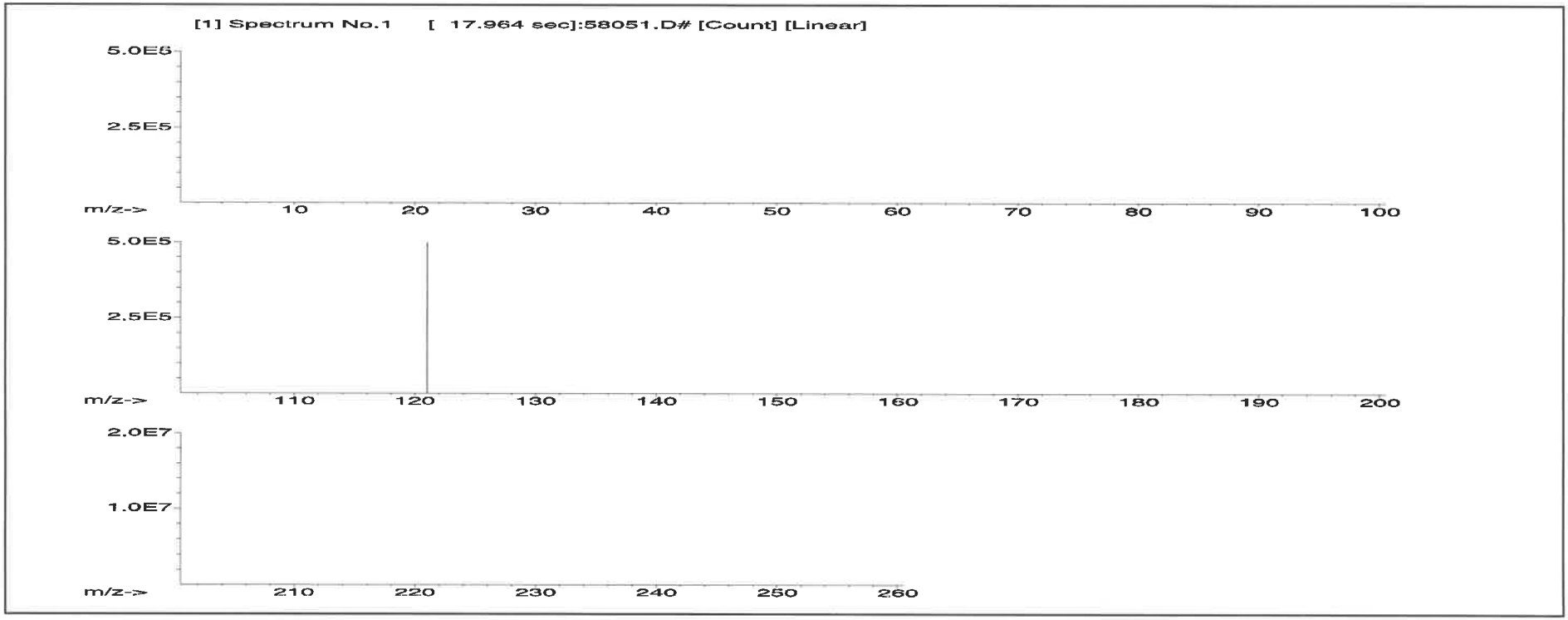
Giovanni Esposito

Formulated By:	Giovanni Esposito	071724

Pedro Rentas

Reviewed By:	Pedro L. Rentas	071724

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	**Final Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Antimony (Sb)	58151	060324	0.1000	200.0	0.084	1000	10001.4	**1000.0**	**2.2**	7440-36-0	0.5 mg/m3	orl-rat 7000 mg/kg	3102a



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	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).

APTIM

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *ICP-AES ICS*

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

M6152

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,

The Quality Assurance Technical Support (QATS) contract is operated by APTIM Federal Services, LLC.

Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for ICP-AES Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSA solution by ICP-AES.

ICSB-0710, Analytes, mixed with ICSA-1211, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 2% v/v HNO_3. Analyze this ICSAB solution by ICP-AES.

(D) *"CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-AES ICS SOLUTION(S)*

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
As	10	(0.0)	-10.0	10.0	104	88.4	120
Ba	200	(6.0)	-194	206	(537)	337	737
Be	5.0	(0.0)	-5.0	5.0	495	420	570
Cd	5.0	(1.0)	-4.0	6.0	972	826	1120
Ca	5000	245000	208000	282000	235000	199000	271000
Cr	10	(52.0)	42.0	62.0	542	460	624
Co	50	(0.0)	-50.0	50.0	476	404	548
Cu	25	(2.0)	-23.0	27.0	511	434	588
Fe	100	101000	85600	116500	99300	84400	114500
Pb	10	(0.0)	-10.0	10.0	(49.0)	39.0	59.0
Mg	5000	255000	216000	294000	248000	210000	286000
Mn	15	(7.0)	-8.0	22.0	507	430	584
Ni	40	(2.0)	-38.0	42.0	954	810	1100
Se	35	(0.0)	-35.0	35.0	(46.0)	11.0	81.0
Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

APTIM

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *ICP-AES ICS*

QATS LABORATORY INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE SET FOR ICP-AES (ICSA WITH ICSB)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

M6155

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

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Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-AES ICSA-1211, AND ICSA-1211 MIXED WITH ICSB-0710

Element	CRQL	Part A (µg/L)	Low Limit (µg/L)	High Limit (µg/L)	Part A +Part B (µg/L)	Low Limit (µg/L)	High Limit (µg/L)
Al	200	255000	216000	294000	247000	209000	285000
Sb	60	(0.0)	-60.0	60.0	618	525	711
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Ag	10	(0.0)	-10.0	10.0	201	170	232
Tl	25	(0.0)	-25.0	25.0	(108)	83.0	133
V	50	(0.0)	-50.0	50.0	491	417	565
Zn	60	(0.0)	-60.0	60.0	952	809	1095

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 1 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.

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F: 540-585-3012
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 888.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSR1
Lot Number:	U2-SR730227
Matrix:	0.1% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Strontium
Starting Material:	SrCO3
Starting Material Lot#:	M2-2192
Starting Material Purity:	99.9993%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 3 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985

Assay Method #2 **1001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #3 **1001 ± 2 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.001980	M	Eu	<	0.000495	O	Na		0.000200	M	Se	<	0.013862	O	Zn		0.000143
O	Al		0.000370	O	Fe		0.000410	M	Nb	<	0.000495	i	Si	<		M	Zr	<	0.000495
M	As	<	0.000495	M	Ga	<	0.000495	M	Nd	<	0.000495	M	Sm	<	0.000495				
M	Au	<	0.000989	M	Gd	<	0.000495	O	Ni	<	0.007631	M	Sn	<	0.000990				
M	B	<	0.039606	M	Ge	<	0.000495	M	Os	<	0.000494	s	Sr	<					
M	Ba		0.006486	M	Hf	<	0.000495	i	P	<		M	Ta	<	0.000495				
M	Be	<	0.000990	M	Hg	<	0.000989	M	Pb	<	0.002970	M	Tb	<	0.000495				
M	Bi	<	0.000495	M	Ho	<	0.000495	M	Pd	<	0.003957	M	Te	<	0.027724				
O	Ca		0.004255	M	In	<	0.000495	M	Pr	<	0.000495	M	Th	<	0.000990				
M	Cd		0.001339	M	Ir	<	0.000494	M	Pt	<	0.002970	M	Ti	<	0.005940				
M	Ce	<	0.004950	O	K	<	0.008184	M	Rb	<	0.002970	M	Tl	<	0.000495				
M	Co	<	0.000495	M	La	<	0.000495	M	Re	<	0.000495	M	Tm	<	0.000495				
O	Cr	<	0.003207	O	Li	<	0.000884	O	Rh	<	0.012829	M	U	<	0.001485				
M	Cs	<	0.000990	M	Lu	<	0.002970	M	Ru	<	0.000989	M	V	<	0.001980				
M	Cu		0.000099	O	Mg		0.000064	i	S	<		M	W	<	0.003960				
M	Dy	<	0.000495	O	Mn		0.000066	M	Sb	<	0.014852	O	Y	<	0.000995				
M	Er	<	0.000495	M	Mo	<	0.001980	M	Sc	<	0.001980	M	Yb	<	0.000495				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 $Sr(H_2O)_{6}^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 03, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 03, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

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ACCREDITED Testing Laboratory Certificate 888.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGSR1
Lot Number:	U2-SR730227
Matrix:	0.1% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Strontium
Starting Material:	SrCO3
Starting Material Lot#:	M2-2192
Starting Material Purity:	99.9993%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 3 µg/mL

Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **998 ± 4 µg/mL**
ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985

Assay Method #2 **1001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #3 **1001 ± 2 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

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$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

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Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

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u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

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- 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.

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CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.001980	M	Eu	<	0.000495	O	Na		0.000200	M	Se	<	0.013862	O	Zn		0.000143
O	Al		0.000370	O	Fe		0.000410	M	Nb	<	0.000495	i	Si	<		M	Zr	<	0.000495
M	As	<	0.000495	M	Ga	<	0.000495	M	Nd	<	0.000495	M	Sm	<	0.000495				
M	Au	<	0.000989	M	Gd	<	0.000495	O	Ni	<	0.007631	M	Sn	<	0.000990				
M	B	<	0.039606	M	Ge	<	0.000495	M	Os	<	0.000494	s	Sr	<					
M	Ba		0.006486	M	Hf	<	0.000495	i	P	<		M	Ta	<	0.000495				
M	Be	<	0.000990	M	Hg	<	0.000989	M	Pb	<	0.002970	M	Tb	<	0.000495				
M	Bi	<	0.000495	M	Ho	<	0.000495	M	Pd	<	0.003957	M	Te	<	0.027724				
O	Ca		0.004255	M	In	<	0.000495	M	Pr	<	0.000495	M	Th	<	0.000990				
M	Cd		0.001339	M	Ir	<	0.000494	M	Pt	<	0.002970	M	Ti	<	0.005940				
M	Ce	<	0.004950	O	K	<	0.008184	M	Rb	<	0.002970	M	Tl	<	0.000495				
M	Co	<	0.000495	M	La	<	0.000495	M	Re	<	0.000495	M	Tm	<	0.000495				
O	Cr	<	0.003207	O	Li	<	0.000884	O	Rh	<	0.012829	M	U	<	0.001485				
M	Cs	<	0.000990	M	Lu	<	0.002970	M	Ru	<	0.000989	M	V	<	0.001980				
M	Cu		0.000099	O	Mg		0.000064	i	S	<		M	W	<	0.003960				
M	Dy	<	0.000495	O	Mn		0.000066	M	Sb	<	0.014852	O	Y	<	0.000995				
M	Er	<	0.000495	M	Mo	<	0.001980	M	Sc	<	0.001980	M	Yb	<	0.000495				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 $Sr(H_2O)_{6}^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO_3 / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 03, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 03, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

M6023

R ! 8/5/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

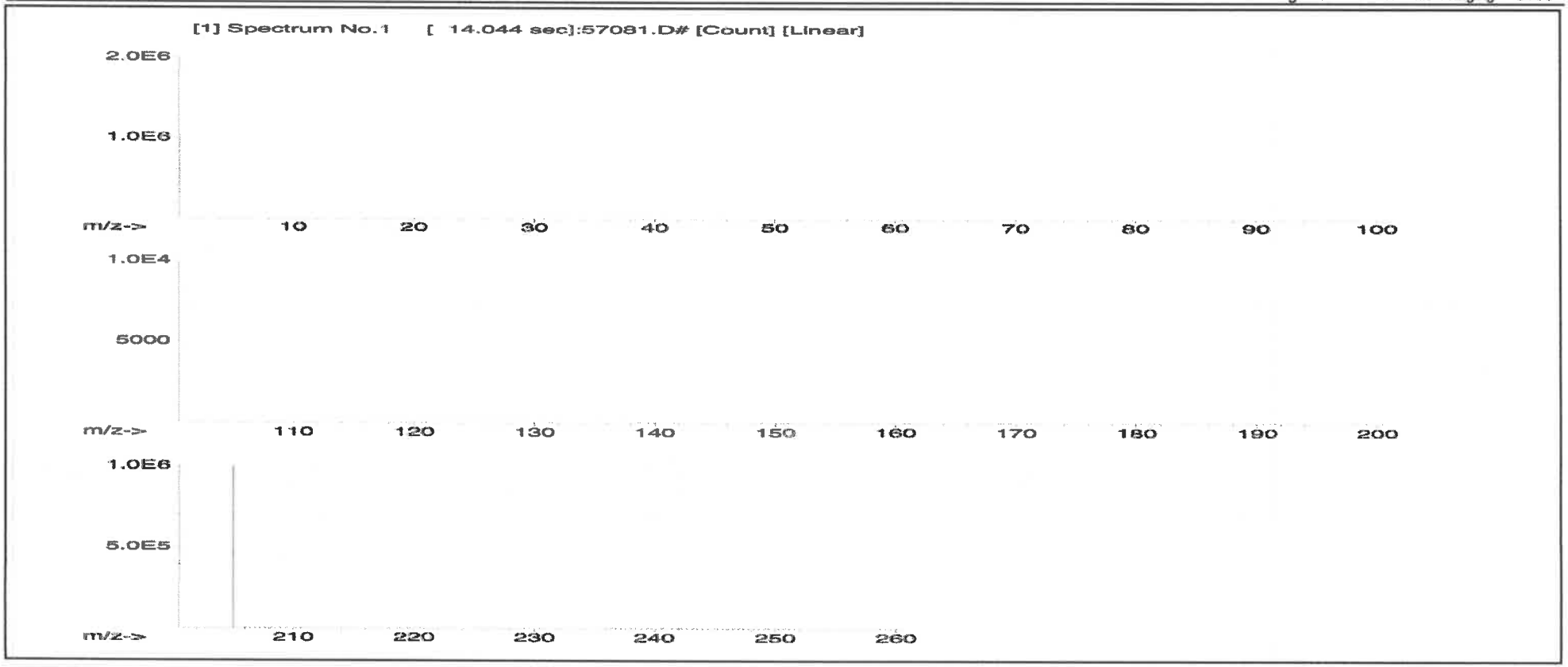
CERTIFIED WEIGHT REPORT:

Part Number:	**57081**		**Lot #**		
Lot Number:	**062724**	**Solvent:**	24002546	Nitric Acid	
Description:	**Thallium (Tl)**				
		2%	40.0 (mL)	Nitric Acid	
Expiration Date:	062727				
Recommended Storage:	Ambient (20 °C)				
Nominal Concentration (µg/mL):	**1000**				
NIST Test Number:	6UTB	5E-05	Balance Uncertainty		
Weight shown below was diluted to (mL):	2000.1	0.10	Flask Uncertainty		

Aleah O'Brady

Formulated By:	Aleah O'Brady	062724
Reviewed By:	Pedro L. Rentas	062724

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Thallium nitrate (Tl)	IN037	BCCF4399	1000	99.999	0.10	77.0	2.5975	2.5977	**1000.1**	**2.0**	10102-45-1	0.1 mg/m3	orl-mus 15mg/kg	3158



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ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																	
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Absolute Standards, Inc.
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www.absolutestandards.com

Certified Reference Material CRM

M6021

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Bc. 8/5/24

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent:	
Part Number:	**57023**			
Lot Number:	**062424**	24002546	Nitric Acid	
Description:	**Vanadium (V)**			
		2.0%	40.0 (mL)	Nitric Acid
Expiration Date:	062427			
Recommended Storage:	Ambient (20 °C)			
Nominal Concentration (µg/mL):	**1000**			
NIST Test Number:	6UTB	5E-05	Balance Uncertainty	
Volume shown below was diluted to (mL):	2000.3	0.06	Flask Uncertainty	

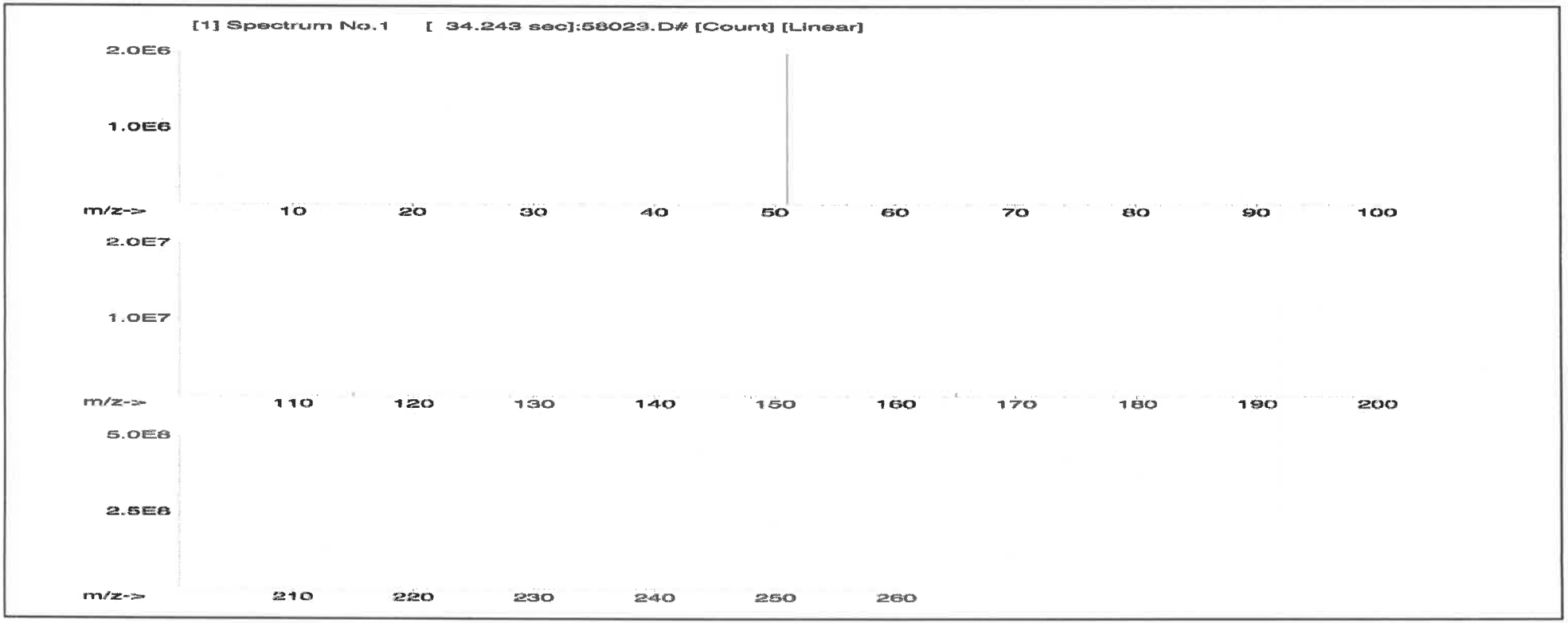
Aleah O'Brady

Formulated By:	Aleah O'Brady	062424

Pedro Rentas

Reviewed By:	Pedro L. Rentas	062424

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Ammonium metavanadate (V)	58123	021224	0.1000	200.0	0.084	1000	10000.3	**1000.0**	**2.2**	7803-55-6	0.05 mg/m3	orl-rat 58.1mg/kg	3165



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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	T
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

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) 78-8922
www.chemtech.net

Chemtech Project Number: Q2488

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: RW8
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie,wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 10 DAYS*
HARD COPY: 10 DAYS*
EDD 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1,4-Dioxane SW846 8270 SIM	Iron, Total	TSS	TDS					
	1	2	3	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	COMMENTS
									B								<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	RW8-SP100-20250701	GW		x	7/1/25	13:05	2	x	x								
2.	RW8-SP303-20250701	GW		x	7/1/25	13:13	4	x	x	x	x						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
	7/1/25 1430	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.	7/2/25 1000	2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.1 °C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: yes
Comments:
TR-6u #1

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Ovemight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488